

**SED-227**  
**Boots & Coots Daily Reports**  
**I.19-06-016**  
**ALJs: Hecht/Poirier**  
**Date Served: March 24, 2021**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	26-Oct-2015	<b>Well Name and Number:</b>	Standard Senson 25	<b>Report #</b>	2
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Danny Walzel	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Senson 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
General Daily Expense		D. Clayton / J. Kopecky / D. Walzel	3		
Hotel		D. Clayton / J. Kopecky / D. Walzel	3		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:30	7:00	Traveled from hotel to Aliso Canyon Storage Facility.
7:00	8:00	Attended morning meeting. Discussed fabricating A-Frame for slick line operations, sourcing intrinsically safe slick line unit, wellhead integrity, greasing and testing casing valves, and where to spot equipment on location.
8:00	8:30	Traveled to Standard Senson 25 wellsite. Performed site assessment. Gas activity was observed to be unchanged.
8:30	10:15	Observed 7" x 11-3/4" annulus pressure to be 428 psi. Dug out around wellhead to expose casing valve. Closed ball valve. Removed gauge and bushing from ball valve.
10:15	12:30	Operations were shut down for safety meeting and operational update.
12:30	14:00	Installed ball valve. Made up 602 iron from wellhead to test separator.
14:00	15:30	Checked wellhead pressures on 25A and 25B. 25A wellhead pressure 0 psi. 25B wellhead pressure 40 psi.
15:30	16:45	Began flowing well 25 7" x 11" annulus through test separator on 16/64" choke. 2-7/8" - 680 psi. 2-7/8" x 7" - 419 psi. 7" x 11-3/4" - 413 psi.
16:45	17:00	Opened choke to 23/64" choke. 2-7/8" - 446 psi, 2-7/8" x 7" - 416 psi, 7" x 11-3/4" - 404 psi. Gas rate 8 Mscf/day. Temp - 48F. Shut down. Secured well.
17:00	18:30	Attended end of the day meeting. A slick line unit has been sourced. A total of 1,000 bbls of 10.0 ppg KCl was delivered to location. Sourced Halliburton HT400. Customer requested B&C HSE specialist. Mike Baggett will travel to location tomorrow. Welder sourced materials and will begin fabricating A-Frame.
18:30	19:00	Traveled to hotel.

**Projected Operations**

Rig up to flow 2-3/8" x 7" annulus to test separator. Spot slick line unit and HT400 pump truck.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.5	1			
Danny Walzel	11.5	1			
James Kopecky	11.5	1			

**Total Man-hours for Noted Date: 37.5**



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281-931-8884



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<b>Date:</b>	27-Oct-2015	<b>Well Name and Number:</b>	Standard Senson 25	<b>Report #:</b>	3
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Danny Walzel	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Senson 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B.	4		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Airfare		Mike Baggett	1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:45	7:15	Traveled from hotel to location. Inspected slick line unit.
7:15	8:30	Performed site assessment. Discussed the day's operations with SCGC representatives. 7" x 11-3/4" - 325 psi. 2-7/8" x 7" - 307 psi. 2-7/8" - 34 psi.
8:30	10:15	Rigged up to flow 2-7/8" x 7" annulus to test separator.
10:15	11:15	Spot slick line unit and generator.
11:15	13:30	Continued isolating kill lines and with draw lines to well 25.
13:30	14:45	Opened orbitz valve on with draw line. 2-7/8" x 7" annulus pressure decreased from 260 psi to 15 psi. Monitored well.
14:45	15:00	7" x 11-3/4" - 308 psi. 2-7/8" x 7" - 16 psi. 2-7/8" - 78 psi. Began bleeding 7" x 11-3/4" annulus through test separator on 11/64 choke. Choke pressure 275 psi. Gas rate 3 Mcf/day.
15:00	15:30	Opened choke to 23/64. Choke pressure 300 psi. 2-7/8" x 7" - 21 psi. 2-7/8" 75 psi. Closed choke. 7" x 11-3/4" - 310 psi. 2-7/8" x 7" - 25 psi. 2-7/8" - 78 psi. Mike Baggett arrived on location. Met with SCGC safety representatives.
15:30	14:00	Secured well.
14:00	17:30	Continued rigging up slick line unit. Met with welder and slick line crew to discuss required modifications to A-Frame. Rigged up Halliburton HT400 pump truck.
17:30	18:00	Departed location. Traveled to hotel.

**Projected Operations**

Attempt to run in the hole with sinker bars.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.25	1			
Danny Walzel	10.25	1			
James Kopecky	10.25	1			
Mike Baggett	2	7			
<b>Total Man-hours for Noted Date:</b>					<b>42.75</b>







**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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281-931-8884



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<b>Date:</b>	28-Oct-2015	<b>Well Name and Number:</b>	Standard Senson 25	<b>Report #</b>	4
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328	<b>State:</b>	California		
	Northridge, CA, 91326	<b>Country:</b>	USA		
<b>AFE #:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Customer Representative:</b>		<b>Well Type:</b>	Gas		
<b>Report Generated By:</b>	Danny Walzel	<b>Job Type:</b>	Well Control		
<b>Lease - Well #:</b>	Standard Senson 25	<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:45	7:15	Traveled from hotel to location.
7:15	7:45	Attended morning safety/operations meeting.
7:45	8:00	Performed site assessment. Gas flow from fissures on well pad appear to have decreased.
8:00	9:30	Checked pressures on 25 well. 7" x 11-3/4" - 325 psi. 2-7/8" x 7" - 128 psi. 2-7/8" - 170 psi. Bled tubing pressure to 86 psi.
9:30	11:30	Closed all casing valves. Installed A-Frame on well. Continued rigging up slick line. (10:00) Checked pressure on 2-7/8" x 7" annulus - 134 psi. Bled to 124 psi.
11:30	12:15	Made up 1-5/8" sample bailer. Stabbed lubricator. Opened up well. 2-7/8" x 7" - 109 psi. 2-7/8" - 87 psi. RIH with sample bailer Sat down hard at 467 ft. Pulled out of the hole. Inspected sample bailer. Observed polymer on tool. Tool temperature 47 deg F. Fluid level - 300 ft.
12:15	12:45	Lunch.
12:45	14:15	Shot fluid levels on 7" x 11-3/4" and 2-7/8" x 7" annulus. 7" x 11-3/4" - 43 ft. 2-7/8" x 7" - 164 ft.
14:15	15:30	Lined up Halliburton to pump 8.7 ppg Flozane down tubing.
15:30	16:15	Filled kill line with 9.5 bbls. Pumped 3.1 bbls. Pump pressure increased to 350 psi. Monitored 5 minutes. Pressure increased to 377 psi. Pumped 0.2 bbls. Tubing pressure 500 psi. Monitored for 5 minutes. Tubing pressure increased to 525 psi. Pumped 0.5 bbls. Tubing pressure increased to 776 psi. Monitored for 5 minutes. Tubing pressure increased to 801 psi. Pumped 0.1 bbls. Tubing pressure 998 psi. Monitored for 5 minutes. Tubing pressure increased to 1,027 psi. Pumped 0.1 bbls. Tubing pressure 1,220 psi. Monitored for 5 minutes. Tubing pressure increased to 1,337 psi. Pumped 0.1 bbls. Tubing pressure 1,460 psi. Monitored for 5 minutes. Tubing pressure 1,603 psi.
16:15	17:00	Tubing pressure 1,824 psi. Bled to 1,790 psi. Continued monitoring well. (16:50) Tubing pressure 2,400 psi. Closed tubing head valve. Tubing pressure remained constant. Pressure on pump truck increased to 2,595 psi. Suspect communication with field injection lines. Made up 1-5/8" sample bailer.
17:00	17:30	Ran in hole with sample bailer. Tagged hard at 467 ft. Pulled out of the hole. Secured well.
17:30	18:00	Attended end of the day meeting.
18:00	18:30	Travel to hotel.

**Projected Operations**

Rig down A-Frame. Move in crane. Run in the hole with additional weight bars and attempt to work through obstruction. Source coiled tubing unit.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b> Danny Walzel	<b>Date</b>

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.75	1			
Danny Walzel	10.75	1			
James Kopecky	10.75	1			
Mike Baggett	10.75	1			

**Total Man-hours for Noted Date: 47**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	29-Oct-2015	Well Name and Number:	Standard Senson 25	Report #	5
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328	State:	California		
	Northridge, CA, 91326	Country:	USA		
AFE #:		Well Location:	Aliso Canyon Storage Facility		
Customer Representative:		Well Type:	Gas		
Report Generated By:	Danny Walzel	Job Type:	Well Control		
Lease - Well #:	Standard Senson 25	Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site. Surface casing pressure fluctuates between 505 psi and 770 psi. 11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:30	7:00	Traveled from hotel to location.
7:00	7:30	Attended morning safety/operations meeting.
7:30	8:15	Performed site assessment. Observed ice on fissures around cellar. Fissures appeared to have made fluid overnight. Checked pressures on SS 25. 2-7/8" - 429 psi. 2-7/8" x 7" - 353 psi. 7" x 11-3/4" - 505 psi.
8:15	8:30	7" x 11-3/4" pressure - 515 psi. Flowed annulus for fifteen minutes. Shut in. Casing pressure 509 psi.
8:30	9:30	Moved in and rigged up crane. Laid down lubricator. Removed A-Frame from well. 2-7/8" - 360 psi. 2-7/8" x 7" - 420 psi. 7" x 11-3/4" - 560 psi. Checked pressures on 25B. 2-7/8" - 2,450 psi. 2-7/8" x 7" - 2,450 psi. 7" x 11-3/4" - 44 psi.
9:30	10:30	Western wireline added sinker bar and lubricator.
10:30	10:45	Shot fluid levels on SS 25.
10:45	11:00	Bled 2-7/8" x 7" annulus f/ 456 psi t/ 440 psi.
11:00	12:00	Installed 2-9/16" 5M upper master valve. 2-7/8" - 375 psi. 2-7/8" x 7" - 462 psi. 7" x 11-3/4" - 591 psi.
12:00	12:30	Held PJSM to discuss slick line operations.
12:30	13:15	Made up 1.625" sample bailer. Stabbed lubricator. RIH. Sat down at 37 ft. POOH. Tool temperature 59 deg F. 2-7/8" - 54 psi.
13:15	13:45	Stabbed lubricator. RIH with 1.625" sample bailer. Sat down at 37 ft. POOH. Tool temperature - 19 deg F. Observed ice in sample bailer. Rigged down slick line.
13:45	14:15	Met with HALCO representatives to discuss coiled tubing operations. A coiled tubing unit is being mobilized from Houma, LA.
14:15	15:30	Blew down with draw and kill lines from 450 psi to 50 psi. Discussed removing lines to isolate SS 25 from facility lines.
15:30	16:00	Attended end of the day meeting. Coiled tubing unit will take 2 days to arrive at location. Will remove lateral lines from SS 25. Will move Halliburton pump truck closer to SS 25. SCGC will continue running diagnostics on nearby wells.
16:00	18:00	Continued monitoring pressures. (16:30) 2-7/8" - 51 psi. 7" - 685 psi. 11-3/4" 731 psi. (17:00) 2-7/8" - 55 psi. 7" - 634 psi. 11-3/4" - 697 psi. (17:30) 2-7/8" - Shut in. 7" - 631 psi. 11-3/4" - 770 psi.
18:00	18:30	Traveled to hotel.

**Projected Operations**

Remove lateral lines from SS 25. Rig up CT. Wash through hydrates. Attempt to kill well with 10.8 ppg CaCl2.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coats Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	1			
Danny Walzel	11	1			
James Kopecky	11	1			
Mike Baggett	11	1			

**Total Man-hours for Noted Date: 48**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	30-Oct-2015	Well Name and Number:	Standard Senson 25	Report #	6
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site. Surface casing pressure fluctuated between 750 psi and 830 psi. 11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:30	7:00	Traveled from hotel to location.
7:00	7:30	Attended morning safety/operations meeting.
7:30	8:15	Performed site assessment. Gas flow from fissures has decreased. Checked pressures on 25 well. 2-7/8" - Shut in. 7" - 614 psi. 11-3/4" - 823 psi.
8:15	11:45	Isolated wells 25A and 25B from injection and withdraw lines. Blew down lines from 250 psi to 0 psi. Met with Weatherford representative to discuss equipment requirements for coiled tubing operations. (10:50) Well 25 11-3/4" casing pressure decreased from 830 psi to 750 psi.
11:45	12:30	Removed tubing kill lateral from well 25.
12:30	13:00	Lunch
13:00	15:00	Removed kill and withdraw laterals from 7" casing spool and with draw line from tubing head. Removed 3-1/8" 5M manumatic valve from 7" casing head. Removed 2-1/6" 5M manumatic from tubing head. Installed 2-1/16" 5M valve on same. Installed 3-1/8" 5M 2" LP companion flanges with 2" tapped bull plugs with needles valve on 7" annulus casing valves. Installed 2-1/16" 5M 2" LP companion flanges with 2" tapped bull plugs with needle valves on tubing head casing valves. Installed tapped flanges w/ 2" LP needle valves on kill and with draw lines.
15:00	16:00	Nipped up 2-9/16" 5M x 4-1/16" 10M DSA, 4-1/16" 10M Gate Valve, and 4-1/16" 10M x 4-1/16" 15M DSA on upper master valve. Installed Rotemount transducers on well 25 7" casing outlet valve and 11-3/4" casing outlet valve. 7" - 585 psi. 11-3/4" - 770 psi.
16:00	17:30	Well 25A: Bled 8-5/8" casing from 920 psi to 700 psi. Shut in. Well 25: 7" - 584 psi. 11-3/4" - 771 psi.
17:30	18:00	Traveled to hotel.

**Projected Operations**

Kill 25A & 25B. Rig up on well 25 to pump and flow from casing annuli and tubing. Prepare for coiled tubing operations.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.5	1			
Danny Waizel	10.5	1			
James Kopecky	10.5	1			
Mike Baggett	10.5	1			
<b>Total Man-hours for Noted Date:</b>					
<b>46</b>					



**Confidential and Protected Materials Pursuant to  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	31-Oct-2015	Well Name and Number:	Standard Senson 25	Report #	7
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B.	4		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:30	7:15	Traveled from hotel to location.
7:15	7:30	Attended morning safety/operations meeting. Performed site assessment. Well 25: Tbg - Shut in. 7" - 574 psi 11-3/4" - 716 psi.
7:30	9:30	Checked surface casing pressure on 25A - 52 psi. Removed slick line equipment from Pad 25. Spotted hydraulic choke manifold.
9:30	11:00	Removed companion flanges from tubing head outlet valves. Installed 2-1/16" x 1502 thread half adapter flanges on same. Removed companion flange from 7" casing outlet valve. Installed 3-1/8" 5M x 1502 thread half adapter flange. Installed 1" plug valve.
11:00	12:30	Lined up on 25A tubing. 25A tubing pressure 2,600 psi. 8-5/8" - 940 psi. Well 25: 7" - 576 psi. 11-3/4" - 737 psi. Pumped 30 bbls 8.7 ppg polymer pill. Displaced with 152 bbls 8.5 ppg KCl. Shut down. Tubing pressure 550 psi. 8-5/8" casing 889 psi. Well 25: 7" - 578 psi. 11-3/4" - 749 psi. Well 25A: Bled 8-5/8" casing from 889 psi to 770 psi. Shut in.
12:30	13:00	Lunch.
13:00	13:30	Removed gauges and 3-1/8" 5M companion flange from 7" casing outlet valve. Installed 3-1/8" 5M x 1502 thread half adapter flange. Installed 1" plug valve and gauges.
13:30	14:00	Well 25A: Bled 8-5/8" casing pressure from 770 psi to 0 psi.
14:00	15:45	Filled 25A 2-7/8" x 8-5/8" annulus with 205 bbl 8.5 KCl. Left 50 psi on annulus and 600 psi on 2-7/8" tubing.
15:45	16:30	Met with welder to discuss fabricating valve extension handle to operate wellhead ball valves. Well 25: 2-7/8" - Shut in. 2-7/8" x 7" - 584 psi. 7" x 11-3/4" - 727 psi.
16:30	17:00	Traveled to hotel.

**Projected Operations**

Kill 25B. Rig up on well 25 to pump and flow from casing annuli and tubing. Prepare for coiled tubing operations.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	9.25	1			
Danny Waizel	9.25	1			
James Kopecky	9.25	1			
Mike Baggett	9.25	1			

**Total Man-hours for Noted Date: 41**



**Confidential and Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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281-931-8884



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Date:	1-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	8
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B.	4		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.

11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:30	7:15	Traveled from hotel to location.
7:15	7:30	Attended morning safety/operations meeting.
7:30	7:45	Performed site assessment. Well 25: 2-7/8" - Shut in. 7" - 676 psi. 11-3/4" - 690 psi.
7:45	8:30	Met with Halliburton Coiled Tubing Supervisor. Discussed well situation and where to spot coiled tubing equipment.
8:30	11:15	Rigged up on 25B. Tubing pressure - 2,500 psi. 8-5/8" - 2,440 psi. Pumped 30 bbls 8.7 ppg polymer pill down tubing. Pumped 387 bbls 8.5 ppg KCl. Shut down. Tubing pressure 0 psi. 8-5/8" - 0 psi.
11:15	11:45	Well 25: Installed valve extension handle on outer well head casing valve.
11:45	12:30	Lunch.
12:30	12:45	Well 25B: Tubing Pressure - 0 psi. 8-5/8" - 0 psi. 13-3/8" - 42 psi. Well 25 A: 2-7/8" - 1,000 psi. 8-5/8" - 140 psi. 13-3/8" - 0 psi. Well 25: 2-7/8" - Shut in. 7" - 694 psi. 11-3/4" - 679 psi.
12:45	14:30	Prepared location for coiled tubing equipment. Met with Halliburton and Onyx. Discussed rig up requirements for well 25. Onyx is going to fabricate 602 x 1502 cross overs for return lines. Rigged down and moved out 40T crane.
14:30	16:00	Moved in and rigged up 110T crane. Coiled tubing reel arrived at Aliso Canyon Storage Facility.
16:00	16:30	Attended end of the day meeting.
16:30	17:00	Traveled to hotel.

**Projected Operations**

Rig up on well 25 to pump and flow from casing annuli and tubing. Prepare for coiled tubing operations.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	9.25	1.25			
Danny Walzel	9.25	1.25			
James Kopecky	9.25	1.25			
Mike Baggett	9.25	1.25			

**Total Man-hours for Noted Date: 42**



7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	2-Nov-2015	<b>Well Name and Number:</b>	Standard Senson 25	<b>Report #</b>	9
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Danny Walzel	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Senson 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B.	4		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
6:30	7:15	Traveled from hotel to location.
7:15	7:45	Morning safety/operations meeting. Performed site assessment. Well 25: 2-7/8" - Shut in. 7" - 686 psi. 11-3/4" - 663 psi.
7:45	10:45	Rigged up return line from 7" annulus to choke manifold. Installed panic line.
10:45	12:00	Offloaded and spotted 1.5" coiled tubing reel.
12:00	13:15	Offloaded cab and injector. Well 25: 2-7/8" - Shut in. 7" - 682 psi. 11-3/4" - 638 psi.
13:15	14:30	Offloaded coiled tubing power pack, hydraulic tank, and stripper.
14:30	15:45	Offloaded coiled tubing BOP stack, goose neck, generator, and two hose baskets.
15:45	17:00	(16:10) Well 25: 11-3/4" pressure decreased to 284 psi. 7" decreased to 659 psi. Offloaded tool house and hose baskets. Moved man lift to pad 25.
17:00	17:30	Attended end of the day meeting.
17:30	18:00	Traveled to hotel.

**Projected Operations**

Rig up coiled tubing. Wash through hydrates. Kill well 25.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.25	1.25			
Danny Walzel	10.25	1.25			
James Kopecky	10.25	1.25			
Mike Baggett	10.25	1.25			
<b>Total Man-hours for Noted Date:</b>					46



**Confidential and Sensitive Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	3-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	10
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL levels at well 25 cellar were 100%. LEL levels 25 ft from well 25 were 14%. Well 25: 2-7/8" shut in. 7" - 626 psi. 11-3/4" - 599 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	7:15	Took LEL readings around well 25. LEL levels at cellar were 100%. LEL levels 25 ft from well 25 were 0 - 6%.
7:15	12:00	Spotted coiled tubing control cab, reel, and generator. Began rigging up. Installed line from tubing head to choke line. Spotted HT400 pump truck.
12:00	12:30	Lunch.
12:30	17:00	Continued rigging up coiled tubing unit. (13:00) Well 25: 2-7/8" - Shut in. 7" - 645 psi. 11-3/4" - 623 psi. Spotted MI/Swaco choke panel. Rigged up and function tested. Function tested BOP's. Nipped up 4-1/16" 10M riser. Nipped up BOP's. Installed kill lines. Dressed coiled tubing and installed connector. Delivered 490 bbls of 10.8 ppg CaCl2 to location.
17:00	17:30	Attended end of the day meeting. Will pull test and pressure test in the morning.
17:30	18:00	Traveled to hotel.

**Projected Operations**

Pull test. Pressure test. Wash through hydrates. Kill well 25.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.5	0.75			
Danny Walzel	11.5	0.75			
James Kopecky	11.5	0.75			
Mike Baggett	11.5	0.75			

**Total Man-hours for Noted Date: 49**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	4-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	11
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B.	4		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar - 44%. LEL 25 ft from well 25 0 - 5%. 2-7/8" - Shut in. 7" - 512 psi. 11-3/4" - 555 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:15	Pull tested coil tubing with 15k lbs.
8:15	9:00	Filled coil tubing with 19.5 bbbls 10.8 ppg CaCl2.
9:00	13:00	Held PJSM to discuss pressure testing operations. Tested reel to 300/8,000 psi for 10 minutes each test. Test good. Filled stack. Trouble shoot leak in kill line. Tested choke line to 300/4,000 psi 5 minutes/test. Change out two lo-torg valves. Continued pressure testing choke line. Observed leak from adapter flange on choke manifold. Tightened flange. Tested both BSR's to 300 psi low/4,000 psi high. Tests good.
13:00	14:00	Made up wash assembly BHA.
14:00	17:30	Stabbed injector. Tested BOP's to 300 psi low and 4,000 psi high. Tested choke manifold valves to 300 psi low and 4,000 psi high. Trouble shoot leak in choke manifold. Secured well for the night. Well 25: Tbg - Shut in. 7" - 523 psi. 11-3/4" - 468 psi.
17:30	18:00	Attended end of the day meeting.
18:00	18:15	Traveled to hotel.

**Projected Operations**

Complete pressure testing. Wash through hydrates. Kill well 25.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.5	0.75			
Danny Walzel	11.5	0.75			
James Kopecky	11.5	0.75			
Mike Baggett	11.5	0.75			

**Total Man-hours for Noted Date: 49**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	5-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	12
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C. / D.W. / J.K. / M.B.	4		
Hotel		D.C. / D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar - 25%. LEL 25 ft from well 25 0 - 6%. 2-7/8" - Shut in. 7" - 551 psi. 11-3/4" - 467 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	7:30	Discussed yesterday's pressure testing. Will continue trouble shooting choke manifold and retest coil tubing BOP's
7:30	8:00	Greased valve #2 on choke manifold.
8:00	11:15	Pressure tested choke manifold valves to 300 psi low and 4,000 psi high. Valve #2 did not test.
11:15	13:30	Pressure tested lower BSR's to 300 psi low and 4,000 psi high. Changed out valve #2.
13:30	15:00	Shell tested choke manifold to 300 psi low and 4,000 psi high. Test good. Tested valve #2 to 300 psi low and 4,000 psi high. Test good. 11-3/4" - 515 psi.
15:00	18:00	Made up wash assembly BHA. Stabbed injector. Tested lower and upper pipe rams to 300 psi low and 4,000 psi high. Tests good. Tested stripper to 300 psi low and 4,000 psi high. Test good. Removed injector and stood back. Secured well.
18:00	18:30	Traveled to hotel.

**Projected Operations**

Complete pressure testing. Wash through hydrates. Kill well 25.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	12	0.75			
Danny Walzel	12	0.75			
James Kopecky	12	0.75			
Mike Baggett	12	0.75			

**Total Man-hours for Noted Date: 51**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	6-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	13
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W. / J.K. / M.B.	4		
Hotel		D.C./D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar - 44%. LEL 25 ft from well 25 0%. 2-7/8" - Shut in. 7" - 560 psi. 11-3/4" - 460 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:30	Greased Rotac valves on kill line. Made up wash assembly BHA. Stabbed injector. Tested stripper and outside Rotac valve to 300 psi low and 4,000 psi high. Test good. Tested BPV 300 psi low and 4,000 psi high. Test good. Broke circulation in riser at 1 bpm. Maintained 2,800 psi back pressure with choke.
8:30	9:00	Held BOP drill with essential personnel.
9:00	10:00	Ran in hole to swab valve. Pumped 3 bbls of glycol and displaced out of the reel with 19 bbls 10.8 ppg CaCl2.
10:00	16:00	Held PJSM. Applied 3,000 psi on riser. Opened swab valve. Pressure stabilized at 2,700 psi. Began washing down at 3/4 bpm maintaining 2,900 psi with choke. Pump pressure 6,500 psi. Tagged up at 20 ft. Washed down to 53 ft. Pumped 5 bbls glycol. Displaced out of the coil with 19 bbls of 10.8 ppg CaCl2. Shut down. Applied 3,300 psi pressure. Waited 10 minutes. Pressure decreased to 2,800 psi. Continued washing down at 3/4 bpm holding 2,800 psi back pressure. Found bottom of hydrate plug at 188 ft. Continued washing down. At 482 ft choke pressure decreased to 1,200 psi. Unable to maintain back pressure. Lost returns. Experienced drag. Continued pumping without returns. Pulled coil tubing up into riser. Began pumping down tubing tubing head outlet. At 2 bpm PP - 41 psi. At 4 bpm PP - 120 psi. Continued pumping down tubing at 1 bpm waiting on polymer pill.
16:00	17:30	Began pumping polymer pill 4 bpm. Pump pressure 100 psi. Pumped total of 62 bbls. Gas activity from fissures increased. Observed polymer from fissures around cellar. Shut down pumping operations. Tubing pressure 0 psi. Evacuated personnel. 11-3/4" - 64 psi. 7" - 305 psi. Flowed gas from 7" and 11-3/4" annulus to open top tank. Activity from fissures appeared to decrease. Shut in well. 7" - 262 psi. 11-3/4" - 71 psi.
17:30	18:00	Attended end of the day meeting. Discussed running caliper tool on slick line to determine restriction at 482 ft. Pumped approximately 200 bbls without returns.
18:00	18:15	Traveled to hotel.

**Projected Operations**

Kill well 25.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name Danny Walzel	Date

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	12	0.75			
Danny Walzel	12	0.75			
James Kopecky	12	0.75			
Mike Baggett	12	0.75			

Total Man-hours for Noted Date: 51



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	7-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	14
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar - 54%. LEL 25 ft from well 25 49%. 2-7/8" - 940 psi. 7" - 229 psi. 11-3/4" - 60 psi. Could not start equipment due LEL levels.
6:30	7:00	Attended morning operations meeting. Discussed bleeding off tubing. Discussed removing mushroom from stripper to rig up slickline.
7:00	8:45	Installed gauge on tubing. Tubing pressure 1,100 psi.
8:45	9:30	Monitored well.
9:30	10:00	Tubing pressure 1,146 psi. 7" - 228 psi. 11-3/4" - 59 psi. Bled tubing to 1,110 psi. Bled gas and fluid. Shut in. 7" - 228 psi. 11-3/4" - 59 psi. After 10 minutes tubing pressure increased to 1,161 psi.
10:00	10:30	Tubing pressure 1,170 psi. 7" - 231 psi. 11-3/4" - 60 psi. Bled tubing to 1,070 psi. Bled gas and fluid. Shut in. 7" - 231 psi. 11-3/4" - 60 psi. After 10 minutes tubing pressure increased to 1,226 psi.
10:30	11:00	Attempted to shoot fluid levels. Could not detect fluid levels due to well noise.
11:00	14:00	Start equipment. Removed mushroom from stripper. Spotted slickline unit and rigged up. (11:45) 2-7/8" - 1298 psi. 7" - 222. 11-3/4" 60 psi. (13:45) 2-7/8" - 1,407 psi. 7" - 227 psi. 11-3/4" - 60 psi.
14:00	15:00	Made up 4-1/16" 15M x Bowen X-over on stripper.
15:00	17:00	Made up 2.30" gauge ring. Stabbed lubricator. Tested lubricator to 300 psi low and 4,000 psi high. Test good. Equalized swab valve with 1,250 psi. Opened swab valve and ran in hole. Estimated fluid level - 3,750 ft. Tagged nipple profile 8,425 ft. Pulled out of the hole. Secured well. Laid down lubricator. 2-7/8" - 1584 psi. 7" - 217 psi. 11-3/4" - 60 psi.
17:00	17:30	Traveled to hotel.

**Projected Operations**

Run production logging tool (CCL, Temp, Spinner). Run tubing caliper.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name Danny Waizel	Date

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	0.75			
Danny Waizel	11	0.75			
James Kopecky	11	0.75			
Mike Baggett	11	0.75			

**Total Man-hours for Noted Date: 47**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	8-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	15
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar - 100%. LEL 25 ft from well 25 35 - 75%. 2-7/8" - 1,660 psi 7" - 218 psi. 11-3/4" - 65 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:15	Continued monitoring LEL levels. Commenced operations.
8:15	11:15	Began making up slickline tools. Tool string: Spinner, ITL CL, Temperature, Pressure, and GR. Stabbed lubricator. 2-7/8" - 1,681 psi. 7" - 192 psi. 11-3/4" - 62 psi.
11:15	14:15	Pressure tested lubricator to 300/4,000 psi. Test good. Equalized swab valve with 1,500 psi. Opened swab valve RIH at 50 fpm. sat down at 8,425 ft. (13:15) 2-7/8" - 1,615 psi, 7" - 212 psi. 11-3/4" - 65 psi.
14:15	15:45	Pulled out of the hole at 100 fpm. In lubricator. Secured well.
15:45	16:00	Laid down lubricator. Down load data. Began preparing logs. Shut down for the night.

**Projected Operations**

Run gyro and tubing caliper.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	12	0.75			
Danny Walzel	12	0.75			
James Kopecky	12	0.75			
Mike Baggett	12	0.75			

**Total Man-hours for Noted Date: 51**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	9-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	16
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B.	4		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar - 100%. LEL 25 ft from well 25 35 - 75% (North side of pad). LEL around equipment 0%. 2-7/8" - 1,620 psi. 7" - 215 psi. 11-3/4" - 66 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	10:30	Rigged up e-line. SDI began preparing to run gyro.
10:30	11:15	Decision was made to run/noise temp. Made up noise/temp tools.
11:15	12:15	Stabbed lubricator. Tested to 300/4,000 psi. Test good. Equalized swab valve with 1,500 psi. Opened swab valve. RIH. Pulled out of hole to check noise/temp tools.
12:15	13:15	Pulled into lubricator. Secured well. 2-7/8" - 1,585 psi. 7" - 216 psi. 11-3/4" - 69 psi. Changed out noise/temp tools.
13:15	18:00	Stabbed lubricator. Tested to 300/4,000 psi. Test good. Equalized swab valve with 1,500 psi. Opened swab valve. RIH. Logged temperature down to 8,435 ft. Log noise out of the hole. Secured well. Laid down lubricator. 2-7/8" - 1,585 psi. 7" - 216 psi. 11-3/4" - 69 psi.
18:00	18:30	Attended end of the day meeting.
18:30	18:45	Traveled to hotel.

**Projected Operations**

Run gyro and tubing caliper.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	12.5	0.5			
Danny Walzel	12.5	0.5			
James Kopecky	12.5	0.5			
Mike Baggett	12.5	0.5			

**Total Man-hours for Noted Date: 52**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	10-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	17
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. LEL at Well 25 cellar: 75 - 100%. LEL 25 ft from well 25 25 - 75%. 2-7/8" - 1,624 psi. 7" - 211 psi. 11-3/4" - 70 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	9:30	SDI prepared to run gyro.
9:30	12:00	Stabbed lubricator. Tested lubricator to 300/4,000 psi. Test good. Equalized swab valve with 1,500 psi. Opened swab valve. RIH. Attempted to orient gyro. Unsuccessful. Pulled out of the hole.
12:00	14:00	Tested gyro. Cut 300 feet of e-line. Made up gyro.
14:00	16:00	Stabbed lubricator. Tested lubricator to 300/4,000 psi. Test good. RIH. Could not orient gyro. Well temperature and vibrations affecting tool. Pulled out of the hole.
16:00	17:00	Secured well. Laid down lubricator. Rigged down SDI.
17:00	17:45	Attended end of the day meeting. Located 2-7/8" EZSV in Longview, Texas.
17:45	18:00	Traveled to hotel.

**Projected Operations**

Prepare for kill.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.75	0.5			
Danny Walzel	11.75	0.5			
James Kopecky	11.75	0.5			
Mike Baggett	11.75	0.5			

**Total Man-hours for Noted Date: 49**



**Confidential and Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	11-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	18
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Took LEL readings. Cleared location to begin work. 2-7/8" - 1,705 psi. 7" - 227 psi. 11-3/4" - 75 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	12:00	Drained riser to vac truck. Nipped down coil tubing BOP's. Nipped down riser and 4-1/16" 10M gate valve. Installed 2-9/16" 5M gate valve on swab valve. Installed 2-9/16" 5M x Bowen adapter flange. Tested to 300 psi low and 5,000 psi high. Test good. Talked with Western Wireline representative. Ordered out 2 Baker 5 setting tools to set 2-7/8" EZSV. Halliburton is flying 2 2-7/8" EZSV's from Longview, Texas and setting sleeves from Utah. Tools will arrive tonight. Bridge Plug conversion kits are being machined in Ventura, California.
12:00	15:00	Back loaded slickline unit and sent to staging area. Back loaded lateral lines from well 25. Pulling 10.8 ppg CaCl2 from frac tank. Will cut to 9.4 ppg.
15:00	15:30	2-7/8" - 1,707 psi. 7" - 229 psi. 11-3/4" - 85 psi. Flowed 11-3/4" casing for 5 minutes on 32/64 choke. Flowing casing pressure 69 psi. Shut in. 11-3/4" - 85 psi. Flowed 7" casing on 28/64 choke for 15 minutes. Flowing casing pressure - 200 psi. Shut in 7" casing pressure 220 psi. 2-7/8" - 1,703 psi. 7" - 220 psi. 11-3/4" - 84 psi.
15:30	17:00	Continued removing equipment from location in preparation for kill. Discussed kill plan with SCGC representative.
17:00	17:30	Traveled to hotel.

**Projected Operations**

Set EZSV in tubing. Perforate tubing. Kill well.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	0.5			
Danny Waizel	11	0.5			
James Kopecky	11	0.5			
Mike Baggett	11	0.5			

**Total Man-hours for Noted Date: 46**







**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	13-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	20
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Took LEL readings. Cleared location to begin work. 2-7/8" - 1,202 psi. 7" - 229 psi. 11-3/4" - 89 psi.
6:30	7:00	Attended morning safety/operations meeting. Discussed perforating tubing and pumping kill.
7:00	9:00	Installed targeted 90 on wellhead flowline. Stabbed lubricator. Tested to 300/4,000 psi. Test good. Equalized swab valve with 1,200 psi. Opened swab valve. Tubing pressure 1,201 psi. Pumped 6 bbls of 10.8 ppg CaCl2. 2-7/8" - 908 psi. 7" - 229 psi. 11-3/4" - 90 psi.
9:00	11:15	RIH with tubing punch. Tagged EZSV at 8,402 ft. Perforated tubing 8,387 ft to 8,391 ft. Pulled out of hole. Laid down lubricator.
11:15	14:00	2-7/8" - 1,526 psi. 7" - 253 psi. 11-3/4" - 89 psi. Held PJSM. Pumped 10 9.4 ppg polymer pill. Began displacing with 9.4 ppg CaCl2. After displacing tubing volume opened choke on 7" casing. Pump rate 6 bpm. PP - 166 psi. After 80 bbls displaced observed increased gas flow and liquid from fissures. Pump rate 8.0 bpm. PP - 1,500 psi. Continued pumping at 8.0 bpm. After 185 bbls pumped. Pump pressure - 1,400 psi. Pony motor went down. 7" - 45 psi. 11-3/4" - 45 psi. Pumps offline. Brought pumps online at 7 bpm. Pump pressure 0 psi. After 210 bbs pumped. Pump pressure 203 psi. After 320 bbls pumped PP - 634 psi. Brine, oil, and gas flowing from fissures on pad. After 693 bbls pumped 10 bbls 9.4 ppg polymer pill. Displaced into tubing with 3 bbls. Shut down. Tubing pressure 0 psi. 7" - 192 psi. 11-3/4" - 92 psi.
14:00	17:00	Lined up to pump down 2-7/8" x 7" annulus. Pumped junk shot. After 5 bbls pumped observed brine from fissures. Continued pumping junk shots. Shut down. 2-7/8" - 278 psi. 7" - 293 psi. 11-3/4" - 42 psi.
17:00	17:45	Attended end of the day meeting. Discussed pumping junk shot to plug hole in 7" casing and pumping barite pill out of perfs in tubing.
17:45	18:00	Traveled to hotel.

**Projected Operations**

Pump barite pill.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.75	0.5			
Danny Walzel	11.75	0.5			
James Kopecky	11.75	0.5			
Mike Baggett	11.75	0.5			

**Total Man-hours for Noted Date: 49**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	14-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	21
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Took LEL readings. Cleared location to begin work. 2-7/8" - 1,610 psi. 7" - 245 psi. 11-3/4" - 35 psi.
6:30	7:30	Checked pressures on Well 25A: 2-7/8" - 680 psi. 8-5/8" - 80 psi. Checked pressures on Well 25B: 2-7/8" - 2,375 psi. 8-5/8" - 1,500 psi.
7:30	8:30	Bled Well 25 7" annulus from 245 psi to 200 psi. Bled gas. Shut in and monitored.
8:30	16:30	Cleaned location and equipment. Discussed pumping barite pill with SCGC representatives. Created program for pumping barite pill. Gave to SCGC for review. Performed pilot tests with chemicals for 18.0 ppg pill. Samples proved to be pumpable with good settling times. (15:15) Well 25: 2-7/8" - 1,690 psi. 7" - 213 psi. 11-3/4" - 32 psi. Moved in and rigged up HAL batch mixer. Sucked out Well 25 cellar. 11-3/4" casing valve is covered with silt. Ordered out Super Sucker.
16:30	18:00	Filled frac tank on Pad 25 with 500 bbls 9.4 ppg brine. Modified pump line to pump junk shots down 7" annulus.
18:00	18:15	Traveled to hotel.

**Projected Operations**

Pump barite pill.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10	0.5			
Danny Walzel	10	0.5			
James Kopecky	12	0.5			
Mike Baggett	12	0.5			

**Total Man-hours for Noted Date: 46**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	15-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	22
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Took LEL readings. Cleared location to begin work. 2-7/8" - 1,607 psi. 7" - 217 psi. 11-3/4" - 32 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	7:45	Cleaned location.
7:45	10:30	Began moving chemicals for barite pill to pad 25. Began mixing 22 bbl 18.0 ppg barite pill. Held PJSM.
10:30	11:15	Began pumping 9.4 ppg CaCl2. Initial pump pressure - 1,645 psi. Staged pumps up to 5 bpm. After 50 bbls pumped PP - 83 psi. Increased pump rate to 8 bpm. After 75 bbls pumped PP - 1,305 psi. Gas rate from fissures increased followed by oil and brine. After 170 bbls pumped PP - 1,550 psi. Pumped 19 bbls 18.0 ppg barite pill. Began displacing with 9.4 ppg CaCl2 at 8.0 bpm. PP - 220 psi. After displacing 35 bbls PP - 1,367 psi. After displacing 45 bbls PP - 1,500 psi. After displacing 50 bbls pump pressure 1,250 psi. (11:15) Shut down. 2-7/8" - 0 psi. 7" - 107 psi. 11-3/4" - 22 psi.
11:15	14:00	Monitored well. Flow from fissures stopped briefly and then began flow gas. (12:20) 2-7/8" began increasing. 7" - 205 psi. 11-3/4" - 35 psi. (13:00) 2-7/8" - 220 psi. 7" - 190 psi. 11-3/4" - 38 psi. (14:00) 2-7/8" - 600 psi. 7" - 190 psi. 11-3/4" - 40 psi. (15:00) 2-7/8" - 980 psi. 7" - 220 psi. 11-3/4" - 39 psi. (16:00) 2-7/8" - 1159 psi. 7" - 251 psi. 11-3/4" - 37 psi.
14:00	14:30	Attended end of the day meeting. Discussed pumping another barite pill. Will pump 35 bbl 18.0 ppg barite pill.
14:30	14:45	Traveled to hotel.

**Projected Operations**

Pump barite pill.

Approvals		
Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.5	0.5			
Danny Walzel	10.5	0.5			
James Kopecky	10.5	0.5			
Mike Baggett	10.5	0.5			

**Total Man-hours for Noted Date: 44**







**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	17-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	24
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W. / J.K. / M.B.	4		
Hotel		D.C./D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. Took LEL readings. LEL level at the cellar - 100%. LEL level 25 ft from well 0 to 100% LEL around equipment 0 - 77%. Winds out of the North 40 - 50 mph. 2-7/8" - 1668 psi. 7" - 204 psi. 11-3/4" - 35 psi.
6:30	7:00	Attended morning safety/operations meeting. Decision was made to wait for LEL levels to subside before starting equipment.
7:00	11:00	Escorted HAL and T&T crane personnel to wellsite to inspect equipment.
11:00	14:00	Talked with B&C Houston about relief well trajectories. Provided surface locations and Well 25 survey data.
14:00	14:30	Escorted DOGGR representatives to Well 25 for afternoon survey. Decision was made to end operations for the day due to LEL levels. 2-7/8" - 1,688 psi. 7" - 209 psi. 11-3/4" - 32 psi. Secured location. Placed absorbent boom across access road.
14:30	15:00	Attended end of the day meeting with state agency representatives and SCGC.
15:00	15:15	Traveled to hotel.

**Projected Operations**

Pump barite pill.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	9	0.5			
Danny Walzel	9	0.5			
James Kopecky	9	0.5			
Mike Baggett	9	0.5			

**Total Man-hours for Noted Date: 38**







**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	18-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	25
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	1	NO CHARGE	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. Took LEL readings. LEL level at the cellar - 100%. LEL level 25 feet from well - 0 to 100%. LEL level around equipment 0 - 100%. 2-7/8" - 1,597 psi. 7" - 199 psi. 11-3/4" - 34 psi.
6:30	7:00	Attended morning safety/operations meeting. Discussed pumping barite pill.
7:00	8:00	Identified location north of well pad 25 to spot pump, frac tanks, and batch mixer. Began preparing location for equipment.
8:00	9:00	Continued monitoring LEL around well pad 25.
9:00	10:00	Began mixing 35 bbls 18.0 ppg barite pill. Began pumping 9.4 ppg CaCl2 down tubing. Began pumping at 0.5 bpm. Pump pressure - 1,850 psi. Staged pumps to 5 bpm. After 50 bbls pump pressure - 65 psi. Shut down. Perforations clear. Well unloaded tubing.
10:00	10:15	Held PJSM.
10:15	11:00	Began pumping 9.4 ppg CaCl2. Staged pumps up to 6.0 bpm. PP - 125 psi. At 45 bbls pumped gas increased from fissure. Observed brine and oil from fissure. After 65 bbls pumped increased pump rate to 8 bpm. PP - 225 psi. At 70 bbls pumped PP increased to 987 psi. After 100 bbls pumped PP - 1,116 psi. After 130 bbls pumped increased pump rate to 9.0 bpm. PP - 1,838 psi. At 230 bbls pump PP - 1,830 psi. Winds began shifting out of the North. Pumped 35 bbl 18.0 ppg barite pill. Displaced with 13 bbls at 8.0 bpm. PP - 1,333 psi. Pumped 17 bbls at 6.0 bpm. Pump pressure 123 psi. Pumped 10 bbls at 4 bpm. PP - 74 psi. Pumped 10 bbls at 1 bpm. PP - 68 psi. Total volume displaced 50 bbls. Shut down. Pump pressure 0 psi.
11:00	16:30	Monitored well. 2-7/8" - 36 psi. 7" - 190 psi. 11-3/4" - 48 psi. (11:30) 2-7/8" 45 psi. 7" - 175 psi. 11-3/4" - 40 psi. (12:30) 2-7/8" - 80 psi. 7" - 150 psi. 11-3/4" - 40 psi. (13:30) 2-7/8" - 90 psi. 7" - 220 psi. 11-3/4" - 40 psi. (14:30) 2-7/8" - 100 psi. 7" - 240 psi. 11-3/4" - 34 psi. (15:30) 2-7/8" - 108 psi. 7" - 265 psi. 11-3/4" - 38 psi. (16:30) 2-7/8" - 110 psi. 7" - 241 psi. 11-3/4" - 32 psi.
16:30	17:30	Spotted slickline unit. Cleaned equipment. Work continued on secondary pumping location.
17:30	17:45	Traveled to hotel.
		B&C Houston prepared preliminary relief well plots and submitted to SCGC.

**Projected Operations**

Prepare secondary location.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.5	0.5			
Danny Waizel	11.5	0.5			
James Kopecky	11.5	0.5			
Mike Baggett	11.5	0.5			

**Total Man-hours for Noted Date: 48**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	20-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	27
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. Took LEL readings. LEL level at the cellar - 100%. LEL level 25 feet from well - 0 to 100%. LEL level around equipment 0 - 100%. 2-7/8" - 1,630 psi. 7" - 208 psi. 11-3/4" - 26 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	7:30	Placed barrier across road to pad 25 to prevent vehicles from entering. High LEL reading across road.
7:30	11:30	Modified manifold on well 25 to allow flowing 2-7/8" tubing to withdraw line.
11:30	12:00	Escorted ER team to pad 25 for assessment.
12:00	13:00	Checked pressure on Well 25A: 2-7/8" - 620 psi. 8-5/8" - 43 psi. Checked pressure on well 25B: 2-7/8" - 2,300 psi. 8-5/8" - 1,850 psi.
13:00	17:00	Moved in 2-7/8" pump line to well 25. Continued preparing SS-1 site for pumping operations. Filled one 500 bbl frac tank with 9.4 ppg CaCl2. Filled one 500 bbl frac tank with fresh water. Spotted additional 500 bbl frac tank. Will fill with fresh water. GEO Zan polymer arrived. Continued working on kill program.
17:00	17:15	Traveled to hotel.

**Projected Operations**

Prepare for kill.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name Danny Walzel	Date

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	0.5			
Danny Walzel	11	0.5			
James Kopecky	11	0.5			
Mike Baggett	11	0.5			

**Total Man-hours for Noted Date: 46**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	21-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	28
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	1	John Hatteberg / Travel	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B. / J.H.	5		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Hotel		J.H.	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. Took LEL readings. LEL level at the cellar - 100%. LEL level 25 feet from well - 0 to 100%. LEL level around equipment 0 - 52%. 2-7/8" - 1,628 psi. 7" - 204 psi. 11-3/4" - 29 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:30	Rigged up Batch Mixer and Pump Truck at SS-1. Reconfigured pump line at SS 25 to pressure test lubricator at SS 25A and SS 25B wells.
8:30	9:30	Installed uni-bolt adapters on SS 25A and SS 25B. Completed 2-7/8" pump line tie in at SS 25.
9:30	11:30	Moved out pump truck from 25 pad. Sent to decon. Removed pump line from CT reel. Moved out man lift. Sent to decon.
11:30	12:30	Lunch.
12:30	16:30	Repositioned Pump Truck at SS-1. Tested 2-7/8" pump line to 300/4,000 psi. High test failed. Trouble shoot leaks. Tightened 2-7/8" connections. Moved in and rigged up 40T crane at SS 25. 2-7/8" - 1,661 psi. 7" - 194 psi. 11-3/4" - 26 psi.
16:30	17:00	Attended end of the day meeting.
17:00	17:15	Traveled to hotel.
		(12:00) John Hatteberg arrived at LAX. (15:00) Arrived at hotel. Reviewed survey data. Submitted discussion points to SCGC. Danny Walzel and John Hatteberg will meet at SCGC Chatsworth office at 08:00 to discuss operations to date.

**Projected Operations**

Prepare for kill. Move in and rig up second HT400 at SS-1. Set tubing plugs in SS 25A and SS 25B. Run Gyro surveys.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	0.5			
Danny Walzel	11	0.5			
James Kopecky	11	0.5			
Mike Baggett	11	0.5			
John Hatteberg		8			

**Total Man-hours for Noted Date: 54**



**Confidential and Confidential Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	22-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	29
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	1	John Hatteberg / Travel	1		
General Daily Expense		D.C. / D.W. / J.K. / M.B. / J.H.	5		
Hotel		D.C. / D.W. / J.K. / M.B.	4		
Hotel		J.H.	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. Took LEL readings. LEL level at the cellar - 100%. LEL level 25 feet from well - 0 to 100%. LEL level around equipment 0 - 49%. 2-7/8" - 1,628 psi. 7" - 204 psi. 11-3/4" - 29 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	9:00	Monitor LEL levels. Began rigging up slickline to run tubing plugs in SS 25A and SS 25B. Danny Walzel and John Hatteberg met Alan Gosse and SCGC representatives at Chatsworth office to discuss relief well planning.
9:00	13:00	Well 25B: RIH with 2.3" gauge ring to 8,372 ft. Pulled out of the hole. Ran in the hole with PX plug and set at 8,372 ft. Ran and set prong.
13:00	16:15	Well 25A: RIH with 2.8" gauge ring to 8,144 ft. Pulled out of the hole. Ran in the hole with PX plug and set at 8,144 ft. Pulled out of the hole. Ran in the hole with prong. Prong did not set in PX plug. Pulled out of the hole. Tested 2-7/8" pump line to 300/5000 psi. Test good.
16:15	17:30	Laid down lubricator. Repositioned Grease Pack Unit. Will re-run prong in the morning. 2-7/8" - 1,646 psi. 7" - 199 psi. 11-3/4" - 25 psi.
17:30	17:45	Traveled to hotel.
		John Hatteberg continued reviewing survey data. Entered data into compass. Ran anti-collision against SS 25 and relief well. Determined which wells need to be re-surveyed. Began relief well plan.

**Projected Operations**

Prepare for kill. Move in and rig up second HT400 at SS-1. Set prong in SS 25A. Prepare relief well plan.

Approvals		
Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.5	0.5			
Danny Walzel	11.5	0.5			
James Kopecky	11.5	0.5			
Mike Baggett	11.5	0.5			
John Hatteberg	11.5	0.5			

**Total Man-hours for Noted Date: 60**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	23-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	30
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	2	John Hatteberg / Clients Office	1		
General Daily Expense		D.C. / D.W. / J.K. / M.B. / J.H.	5		
Hotel		D.C. / D.W. / J.K. / M.B.	4		
Hotel		J.H.	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the South East. Took LEL readings. LEL level at the cellar - 100%. LEL level 25 feet from well - 0 to 24%. LEL level around equipment 0%, 2-7/8" - 1,624 psi. 7" - 202 psi. 11-3/4" - 29 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:30	Rigged up slickline on well SS 25A. RIH with prong. Set in PX plug at 8,144 ft. Pulled into lubricator. Bled tubing from 580 psi to 560 psi. Rigged down slickline. Moved in second HAL Elite pump truck to SS-1 and rigged up.
8:30	14:00	Back loaded slickline unit and equipment. Sent to decon. Back loaded injector, guide, control cab, power pack, generator, and tool house. Sent to decon. Rigged down 40T crane and moved out. Survey crew took surveyed surface coordinates for SS-25. Installed anchor chains around Well 25. Left loose.
		Moved in nitrogen truck and blew out coil tubing. Back loaded reel and sent to decon.
14:00	14:30	Pressure tested second HAL Elite pump line to 300/5,000 psi. Test good.
14:30	16:00	Anchored 2-7/8" pump line. Secured 2-7/8" pump line at pad 25 with concrete blocks.
16:00	17:00	Rigged down 100T crane and moved out. Prepared location for kill.
17:00	17:15	Traveled to hotel.

John Hatteberg continued working on the data base, relief well directional plan. Discussed forward operations.

**Projected Operations**

Pump kill.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	0.5			
Danny Waizel	11	0.5			
James Kopecky	11	0.5			
Mike Baggett	11	0.5			
John Hatteberg	11	0.5			

Total Man-hours for Noted Date: 57.5



**Confidential and Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	24-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	31
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	2	John Hatteberg / Clients Office	1		
General Daily Expense		D.C. / D.W. / J.K. / M.B. / J.H.	5		
Hotel		D.C. / D.W. / J.K. / M.B.	4		
Hotel		J.H.	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the South East. Took LEL readings. Cleared location for personnel. 2-7/8" - 1,638 psi. 7" - 199 psi. 11-3/4" - 26 psi.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:45	Prepared for pumping operations. Held PJSM.
8:45	9:45	Mixed 50 bbls GEO Zan polymer pill loaded with LCM. Mixed 35 bbls 18.0 ppg barite pill.
9:45	11:45	Pumped 50 bbl GEO Zan pill. Began pumping fresh water. Began pumping fresh water at 5 BPM. Pump pressure 1,944 psi. After 60 bbls pumped PP - 355 psi. Increased pump rate to 8 BPM. PP - 1,670 psi. After 80 bbls pumped increased pump rate to 10 BPM. PP - 2,774 psi. Gas from crater increased after 90 bbls pumped. After 135 bbls pumped increased rate to 12 BPM. PP - 3,502 psi. Increased pump rate to 13 BPM. PP - 4,167 psi. Opened 7" choke after 850 bbls pump. 7" casing pressure decreased from 160 psi to 8 psi. Pumped 950 bbls water. PP - 4,067 psi. Pumped 35 bbls barite pill. Displaced out of the tubing with 56 bbls. Shut down. Pump pressure 0 psi.
11:45	13:00	Monitored well.
13:00	17:15	Tubing pressure increased to 76 psi. 7" - 188 psi. 11-3/4" - 27 psi. (17:15) 2-7/8" - 1,311 psi. 7" - 155 psi. 11-3/4" - 26 psi. At time of report recovered 700 bbls of fluid from location.
17:15	17:30	Traveled to hotel.
		John Hatteberg continued planning relief well. Updated SHL's of offset wells and target well, corrected all well elevations, made wall plot and anti collision report. Began working on final presentation.

**Projected Operations**

Pump kill.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.25	0.5			
Danny Waizel	11.25	0.5			
James Kopecky	11.25	0.5			
Mike Baggett	11.25	0.5			
John Hatteberg	11.25	0.5			

**Total Man-hours for Noted Date: 58.75**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	25-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	32
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328	State:	California		
	Northridge, CA, 91326	Country:	USA		
AFE #:		Well Location:	Aliso Canyon Storage Facility		
Customer Representative:		Well Type:	Gas		
Report Generated By:	Danny Walzel	Job Type:	Well Control		
Lease - Well #:	Standard Senson 25	Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	2	John Hatteberg / Clients Office	1		
General Daily Expense		D.C./ D.W. / J.K. / M.B. / J.H.	5		
Hotel		D.C./ D.W. / J.K. / M.B.	4		
Hotel		J.H.	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Cleared location for personnel to begin work. 2-7/8" - 1,651 psi. 7" - 199 psi. 11-3/4" - 25 psi.
6:30	7:00	Attended morning operations/safety meeting.
7:00	8:00	Prepared for pumping operations. 2-7/8" - 1,643 psi. 7" - 200 psi. 11-3/4" - 25 psi.
8:00	11:00	Pumped 50 bbl GEO Zan pill loaded with LCM. Displaced with fresh water down tubing with 56 bbls at 5 BPM. IPP - 1,760 psi. FPP - 280 psi. Increased pump rate to 12 bpm. PP - 3,496 psi. After 60 bbls pumped increased pump rate to 13 bpm. PP - 4,173 psi. After 140 bbls pumped gas activity increased from crater. 7" - 40 psi. After 700 bbls pump water flow from crater increased. Continued pumping at 13 BPM. PP - 4,164 psi. Pumped 960 bbls of water. 7" - 17 psi. 11-3/4" - 27 psi. Pumped 100 bbls GEO Zan pill loaded with LCM. Began displacing with 9.4 ppg CaCl2 at 4 bpm. PP - 89. After 20 bbls of displacement slowed pump rate to 2 BPM. PP - 20 psi. After displacing 40 bbls slowed pump to 1 bpm. PP - 0 psi. After displacing 56 bbls shut down. 2-7/8" - 0 psi. 7" - 0 psi. 11-3/4" - 27 psi.
11:00	16:00	Flowline from 7" and tubing head broke. Nipple on well head broke. Pump line to 7" casing head broke. Fabricated valve extension handles for tubing head valve and 7" casing valves.
16:00	17:00	Closed tubing head valve and 7" casing valves.
17:00	17:30	Attended end of day meeting.
17:30	17:45	Traveled to hotel.
		John Hatteberg continued working on relief well plan and presentation. Gave presentation to SCGC. Will travel to Houston tomorrow.

**Projected Operations**

Secure well head. Clean location.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.5	0.5			
Danny Walzel	11.5	0.5			
James Kopecky	11.5	0.5			
Mike Baggett	11.5	0.5			
John Hatteberg	11.5	0.5			

**Total Man-hours for Noted Date: 60**











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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	29-Nov-2015	Well Name and Number:	Standard Senson 25	Report #	37
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total  
Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. LEL's too high to run equipment.
6:30	7:00	Attended morning operations/safety meeting.
7:00	12:30	Continued monitoring LEL's. Installed culvert on NW corner of Pad 25. Discussed rigging up to flow Well 25 tubing to Well 25B withdraw line. Met with SCGC personnel to discuss required equipment. Replaced block valve in withdraw line. Dug out and exposed pump in manifold. Installed additional line to secure Well 25.
12:30	16:30	Moved in man lift. Moved in and rigged up 100T crane. Repositioned E-line equipment and cleaned. Steam cleaned hydraulic choke manifold and test separators. Made up noise/temp tools. Rigged down and moved out 100T crane. Moved in back hoe. Excavated around concrete pad south of well 25. Exposed wash out. Backfilled. Located grease fittings for 2-1/16" 5M safety valve. Function tested, shell tested, and block and bleed tested to 400/5,000 psi. Tests good. Sent safety valve to welder. Instructed how to tack weld ring gaskets in place. Inspected adapter flanges to rig up to Well 25 production line. Installed relief valve on production line.
16:30	16:45	Attended end of the day meeting.
16:45	17:00	Traveled to hotel.

**Projected Operations**

Rig up to flow tubing to withdraw line. Run noise/temp. Attempt to run gyro.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.75	0.5			
Danny Walzel	10.75	0.5			
James Kopecky	10.75	0.5			
Mike Baggett	10.75	0.5			

**Total Man-hours for Noted Date: 45**







**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	1-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	38
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
General Daily Expense		D.C./D.W./J.K./M.B.	4		
Hotel		D.C./D.W./J.K./M.B.	4		
Rental Car			1		
Rental Car			1		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds predominately out of the North. LEL's too high to run equipment.
6:30	7:00	Attended morning operations/safety meeting.
7:00	8:30	Continued monitoring LEL's.
8:30	10:00	Moved in man lift. Moved in and rigged up 100T crane. Inspected diverter system on relief well. Recommended installing 8" diverter line.
10:00	11:00	Made up SDI gyro. Checked tubing pressure - 1,510 psi. Stabbed lubricator. Ran in the hole with gyro.
11:00	14:30	Attempted to initialize gyro in stations to 6,000 ft. Unable to initialize.
14:30	15:00	Pulled into lubricator.
15:00	15:30	Monitored LEL's before starting man lift and crane.
15:30	16:00	Laid down lubricator and gyro. Tubing pressure 1,510 psi.
16:00	16:30	Rigged down and moved out 100T crane. Moved out man lift.
16:30	16:45	Attended end of day meeting.
16:45	17:00	Traveled to hotel.

**Projected Operations**

Rig up to flow tubing to 25B withdraw line. Run Gyro on SS 25B.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.75	0.5			
Danny Walzel	10.75	0.5			
James Kopecky	10.75	0.5			
Mike Baggett	10.75	0.5			

Total Man-hours for Noted Date: 45







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PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	4-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	41
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	1	Arash Haghshenas/Houston	1		
Sr. Well Control Specialist	4	Richard Hatteberg / NO CHARGE	0		
General Daily Expense		D.C./D.W. / J.K. / M.B.	4		
Hotel		D.C./D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Cleared location for work. 2-7/8" tubing pressure - 1,552 psi.
6:30	7:00	Attended morning safety / operations meeting.
7:00	9:00	Moved in man lift. Moved in and rigged up 100T crane. Attended meeting with DOGGR and SCGC.
9:00	12:00	Tied onto pump in manifold and pulled from crater. Closed swab valve. Bled off pressure above swab valve. Removed pump line from wireline pump in sub. Removed pump line from tree assembly outlet valve. Sent pump iron to decon to be cleaned and inspected. Inspected rig up of diverter system on relief well. Reviewed magna flux report. Diverter system consists of two 8" diverter lines.
12:00	12:30	Lunch
12:30	16:30	Winds out of the NW. LEL's too high to run man lift. Moved pump iron from SS 1 to SS 25 pad. Monitored LEL's. Moved man basket to SS 25 pad. Opened swab valve to monitor tubing pressure. 2-7/8 - 1,456 psi. Rigged down and moved out 100T crane.
16:30	17:00	Attended end of the day meeting.
17:00	17:15	Traveled to hotel.
		Arash Haghshenas: Continued working on dynamic kill for relief well. Built model for 7" liner and 5" x 3-1/2" drillstring.
		Plan to spud relief well tonight.

**Projected Operations**

Flow SS 25 tubing to SS 25B withdraw line. Run Gyro on SS 25B.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11	0.5			
Danny Walzel	11	0.5			
James Kopecky	11	0.5			
Mike Baggett	11	0.5			
Richard Hatteberg	11	0.5			

**Total Man-hours for Noted Date: 57.5**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	3-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	40
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
Well Control Engineer	1	Arash Haghshenas/Houston	1		
Sr. Well Control Specialist	4	Richard Hatteberg / NO CHARGE	0		
General Daily Expense		D.C./D.W. / J.K. / M.B.	4		
Hotel		D.C./D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Cleared location for work. 2-7/8" tubing pressure - 1,561 psi.
6:30	7:00	Attended morning safety / operations meeting.
7:00	12:00	Moved in man lift. Moved in and rigged up 100T crane. Removed 2-1/16" 5M x 1502 thread half adapter flange from tree assembly outlet valve. Installed 2-1/16" 5M surface safety valve. Installed 2" 5M co-flex hose.
12:00	16:45	Rigged up choke line to choke manifold. Secured with concrete blocks. SCGC purged withdraw line to Pad 25. Pressurized line to 500 psi. Spotted conex office. Rigged up to monitor tubing pressure. Installed control lines to SSV. Attempted to pressure test pump lines. Observed leak from needle valve. Opened inside manual gate valve on tree assembly. Removed SSV manual override. Left SSV in closed position. Rigged down and moved out 110T crane. Moved out man lift. 2-7/8": 1,554 psi.
16:45	17:15	Attended end of the day meeting.
17:15	17:30	Traveled to hotel.
		Observed installation of diverter lines at relief well. Discussed securing lines.
		Arash Haghshenas: Continued running dynamic kill scenarios for relief well. Set up model with 7" contingency liner.

**Projected Operations**

Flow SS 25 tubing to SS 25B withdraw line. Run Gyro on SS 25B.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	11.25	0.5			
Danny Walzel	11.25	0.5			
James Kopecky	11.25	0.5			
Mike Baggett	11.25	0.5			
Richard Hatteberg	11.25	0.5			

**Total Man-hours for Noted Date: 58.75**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	5-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	42
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Waizel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Danny Clayton	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Waizel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Specialist	4	Richard Hatteberg / NO CHARGE	0		
General Daily Expense		D.C./D.W. / J.K. / M.B.	4		
Hotel		D.C./D.W. / J.K. / M.B.	4		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds out of the North. Took LEL readings. LEL's too high to start equipment on South side of location.
6:30	7:00	Attended morning safety/operations meeting.
7:00	8:00	Continued monitoring LEL's.
8:00	8:45	Moved skid steer to SS-1 and entered Pad 25 from the North.
8:45	12:30	Cleared East side of location. Exposed 2-7/8" pump line. Met with welder. Welder will build bridge to place over hydraulic lines and SSV control line. Discussed lengthening valve extension handles. Made up pump in manifold.
12:30	14:30	Began clearing West and North side of location.
14:30	13:00	Moved in and rigged up 100T crane.
13:00	13:45	Unable to start manlift. Trouble shoot. Requested additional manlift.
13:45	16:15	Rigged down and moved out 100T crane. 2-7/8" - 1,535 psi.
16:15	16:30	Attended end of the day meeting.
		Relief Well: Drilled to +/- 360 feet.

**Projected Operations**

Flow SS 25 tubing to SS 25B withdraw line. Run Gyro on SS 25B.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Waizel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton	10.25	0.5			
Danny Waizel	10.25	0.5			
James Kopecky	10.25	0.5			
Mike Baggett	10.25	0.5			
Richard Hatteberg	10.25	0.5			

**Total Man-hours for Noted Date: 53.75**



**Confidential and Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	7-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	44
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	1	Richard Hatteberg	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
HSE Specialist	1	Mike Patton / In Transit	1		
Well Control Specialist	1	Travis Martel / In Transit	1		
General Daily Expense		D.W. / J.K. / M.B. / R.H. / M.P. / T.M	6		
Hotel		R.H. / D.W. / T.M. / M.B. / M.P.	5		
Air Fare		Travis Martel	1		
Air Fare		Mike Patton	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		
Well Control Engineer		Arash Haghshenas / Houston	1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds out of the North. Took LEL readings. LEL's too high to start equipment on South side of Pad 25. 2-7/8" - 1,526 psi.
6:30	7:00	Attended morning safety / operations meeting.
7:00	7:45	Opened withdraw line and applied 490 psi to SSV. Inspected choke line for leaks. Pressure after 5 minutes 485 psi.
7:45	8:00	Closed gate valve upstream of choke and hydraulic choke. Tested choke line with well pressure of 1,525 psi. Test good.
8:00	8:30	Cycled SSV. Time to close - 14 sec. Time to open - 14 sec.
8:30	9:30	Met with SCGC representatives and discussed opening well to withdraw line.
9:30	10:30	Began flowing tubing to withdraw line on 1/2" choke. Tubing pressure decreased to 815 psi. Initial rate 11 MMscf/day.
10:30	17:00	(10:30) FTP - 805 psi. Gas rate 5-7 MMscf/day. (11:15) Facility began decreasing gas rate out of facility. (12:00) FTP - 936 psi. (13:00) FTP - 1,096 psi. (14:00) FTP - 1,340 psi. (15:00) FTP - 1,438 psi. (15:10) Closed choke. Tubing pressure increased to 1,511 psi. Estimated gas rate from tubing 2 MMscf/day. Opened choke. Flowed tubing on 1/2" choke. (16:00) FTP - 1,370 psi. (17:00) FTP - 1,394 psi. James Kopecky will stay on location to monitor well overnight.
17:00	17:15	Attended end of the day meeting.
17:15	17:30	Traveled to hotel.
		Relief Well: Drilled to 362 ft. Pump Cement plug #3. Waiting on cement.
		Met with welder and welded on pad eyes on 1 joint of 13-3/8" casing. Fabricated guide for temporary vent tube. Discussed fabricating stinger for 2" wellhead outlet.
		Arash Haghshenas: Prepared final kill analysis for relief well. Prepared Final Report.

**Projected Operations**

Flow SS 25 tubing to withdraw line. Run Gyro on SS 25B.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	11	0.5	Travis Martel		7
Danny Walzel	11	0.5			
James Kopecky	18	0.5			
Mike Baggett	11	0.5			
Mike Patton		12			



Total Man-hours for Noted Date:

72



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	6-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	43
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	1	Danny Clayton / In Transit	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Airfare		Richard Hatteberg	1		
General Daily Expense		D.C. / D.W. / J.K. / M.B. / R.H.	5		
Hotel		R.H. / D.W. / J.K. / M.B.	4		
HSE Specialist		Mike Patton / In Transit / No Charge	0		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total  
Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds out of the North. Took LEL readings. LEL's too high to start equipment on South side of Pad 25. 2-7/8" - 1,535 psi.
6:30	7:00	Attended morning safety / operations meeting.
7:00	7:30	Monitored LEL's. Richard Hatteberg attended meeting with SCGC and DOGGR.
7:30	9:00	Moved in skid steer and continued clearing north and west side of location.
9:00	12:45	Winds out of the South. Moved in and rigged up 100T crane. Back loaded K-Rail, personnel basket, and empty pallets. Installed battery in man lift and moved out. Moved in man lift to the NE of SS 25. Installed pump lines to wireline side entry sub and tree assembly outlet.
12:45	13:30	Lunch
13:30	14:30	Filled 2-7/8" pump line with fresh water. Tested pump line and 1502 pump iron to 300 psi for 5 minutes and 5,000 psi for 10 minutes. Test good.
14:30	16:30	Rigged down lubricator. Back loaded lubricator, grease unit, and tool basket. Sent to decon for cleaning. 2-7/8" - 1,536 psi.
16:30	17:00	Attended end of the day meeting.
17:00	17:15	Traveled to hotel.
		Relief Well: Drilled to 362 ft. Experienced lost circulation. Pumped cement last night. Currently pumping second cement job.

**Projected Operations**

Flow SS 25 tubing to withdraw line. Run Gyro on SS 25B.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Danny Clayton		7			
Danny Walzel	11	0.5			
James Kopecky	11	0.5			
Mike Baggett	11	0.5			
Richard Hatteberg	11	0.5			

**Total Man-hours for Noted Date: 53**



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Date:	8-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	45
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	James Kopecky	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	1	Mike Baggett / In Transit	1		
HSE Specialist	4	Mike Patton	1		
Well Control Specialist	4	Travis Martel	1		
General Daily Expense		D.W. / J.K. / M.B. / R.H. / M.P. / T.M.	6		
Hotel		R.H. / D.W. / T.M. / M.P.	4		
Equipment	1	Plugging Injection Manifold / Standby	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Winds out of the North. Took LEL readings. LEL's too high to start equipment on South side of Pad 25. FTP - 1,448 psi. Estimated gas rate from tubing 2 MMscf/day.
6:30	7:00	Attended morning safety / operations meeting.
7:00	9:00	Continued monitoring LEL's. Took measurements on mockup well head for fabrication of stinger assembly for 2" wellhead outlet.
9:00	9:30	Opened choke to 7/8". FTP - 1,438 psi. Estimated gas rate 5.5 MMscf/day. Opened choke to 1". FTP - 1,440 psi. No increase of gas rate observed. Opened choke to 1 3/8". FTP - 1,441 psi. No increase of gas rate observed. Opened choke fully to 1 1/2". FTP - 1,443 psi. No increase of gas rate observed.
9:30	14:00	Continued flowing tubing on 1 1/2" choke. FTP - 1,443 psi.
14:00	16:00	Moved in skid steer and continued clearing pad 25. FTP - 1,457 psi.
16:00	16:15	Attended end of the day meeting. Travis Martel remained on location to monitor SS 25 through the night.
16:15	16:30	Traveled to hotel.
		Trucking plugging injection manifold from Houston, Texas.
		Relief Well: Drilling ahead at 450 ft.

**Projected Operations**

Flow SS 25 tubing to withdraw line. Run Gyro on SS 25B.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10.25	0.5	Travis Martel	18	0.5
Danny Walzel	10.25	0.5			
James Kopecky	8	0.5			
Mike Baggett		7			
Mike Patton	10.25	0.5			

**Total Man-hours for Noted Date: 66.25**



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PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	9-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	46
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Patton	1		
General Daily Expense		D.W. / R.H. / M.P. / T.M.	4		
Hotel		R.H. / D.W. / T.M. / M.P.	4		
Equipment	1	Plugging Injection Manifold / Standby	1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Cleared location for personnel and equipment.
6:30	7:00	Attended morning safety / operations meeting.
7:00	8:45	FTP - 1,501 psi. Moved in and rigged up 100T crane.
8:45	9:15	FTP decreased to 590 psi.
9:15	10:30	Closed hydraulic choke. Tubing pressure stabilized at 1,500 psi in 15 minutes. Monitored well. Met with SCGC production representative to discuss drop in FTP. Moved in skid steer and roll off bins and loaded with contaminated dirt. Off loaded stove pipe. Discussed with welder fabricating grapple for pulling grating from crater.
10:30	16:15	Lined up to flow tubing through test separator. Began flowing tubing through test separator on 33/64 choke. Initial gas rate 6.8 MMscf/day. (10:45) FTP decreased to 1,083 psi. and began increasing. (11:45) FTP - 1,436 psi. Gas rate 2.8 MMscf/day. (13:45) FTP - 1,442 psi. Gas rate 2.0 MMscf/day. Continued flowing well through test separator.
16:15	17:00	Continued removing dirt from location. FTP - 1,436 psi. Closed hydraulic choke. Lined up to flow directly to withdraw line. Opened tubing to withdraw line on 1/2" choke. FTP - 722 psi. Picked up vent tube and adjusted slings.
17:00	17:15	Attended end of the day meeting.
17:15	17:30	Traveled to hotel.
		Relief Well. Meet with company man and discussed rig up of choke manifold and installation of panic line. Drilling ahead at 847 ft.
		(12:00) Plugging manifold arrived on location. Travis Martel working nights.

**Projected Operations**

Flow SS 25 tubing to withdraw line. Install vent tube in crater. Run Gyro on SS 25B.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	11.25	0.5			
Danny Walzel	11.25	0.5			
Mike Patton	11.25				
Travis Martel	8	0.25			

**Total Man-hours for Noted Date: 43**



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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	10-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	47
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Patton	1		
Sr. Well Control Engineer	1	Jim LaGrone / In Transit	1		
Sr. Well Control Engineer	1	Rolly Gomez / In Transit	1		
General Daily Expense		D.W. / R.H. / M.P. / T.M. / J.L. / R.G	6		
Hotel		R.H. / D.W. / T.M. / M.P. / J.L. / R.G	6		
Airfare		Jim LaGrone / Rolly Gomez	2		
Equipment	1	Plugging Injection Manifold / Standby	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Cleared location for personnel and equipment.
6:30	7:00	Attended morning / safety meeting.
7:00	8:00	2-7/8" - 1,463 psi. Moved in and rigged up 100T crane.
8:00	8:15	Held PJSM. Discussed operations for removing grating from crater and installation of stove pipe.
8:15	9:30	Picked up grapple and attempted to remove grating. Unsuccessful.
9:30	10:30	Modified grapple.
10:30	12:00	Attempted to remove grating from crater. Unsuccessful.
12:00	12:30	Rigged down and moved out 100T crane.
12:30	16:30	Continued removing contaminated dirt from location. 2-4/7" - 1,463 psi.
16:30	17:00	Attended end of the day meeting.
17:00	17:15	Traveled to hotel.
		Relief Well: Drilling ahead at 1,159 ft.
		Travis Martel working nights.

**Projected Operations**

Flow SS 25 tubing to withdraw line. Run Gyro on SS 25B.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	11	0.5	Rolly Gomez		7
Danny Walzel	11	0.5			
Mike Patton	11	0.5			
Travis Martel	12	0.5			
Jim LaGrone		7			

**Total Man-hours for Noted Date: 61**



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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	11-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	48
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Danny Walzel	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
Sr. Well Control Engineer	4	Danny Walzel	1		
HSE Specialist	4	Mike Patton	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
General Daily Expense		D.W. / R.H. / M.P. / T.M. / J.L. / R.G	6		
Hotel		R.H. / D.W. / T.M. / M.P. / J.L. / R.G	6		
Equipment	1	Plugging Injection Manifold / Standby	1		
Rental Car			1		
Rental Car			1		
Rental Car			1		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has breached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:45	6:00	Traveled from hotel to location.
6:00	6:30	Performed site assessment. Cleared location for personnel and equipment.
6:30	7:00	Attended morning / safety meeting.
7:00	7:45	Moved in and rigged up 100T crane.
7:45	9:30	Offloaded Western Wireline equipment and spotted to run gyro on SS 25B.
9:30	10:30	Continued removing contaminated dirt from location.
10:30	11:30	Met with AECOM and discussed options for inspecting crater. Richard Hatteberg traveled to machine shop to inspect stinger assembly for wellhead outlet.
11:30	12:00	Lunch
12:00	15:00	Began rigging up E-line equipment.
15:00	16:45	Met with SCGC to discuss options and procedure for next pump job. (15:15) 2-7/8" - 1,438 psi. Closed hydraulic choke.
16:45	17:30	Rigged down and moved out 100T crane. 2-7/8" - 1,467 psi. Closed SSV.
17:30	17:45	Traveled to hotel.
		Relief Well: Drilled surface hole to 1,229 ft. Running surface casing.

**Projected Operations**

Flow SS 25 tubing to withdraw line. Run Gyro on SS 25B.

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Danny Walzel	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	11.5	0.5	Rolly Gomez	11.5	0.5
Danny Walzel	11.5	0.5			
Mike Patton	11.5	0.5			
Travis Martel	18	0.5			
Jim LaGrone	11.5	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>78.5</b>















Total Man-hours for Noted Date:

84







7047 W. Greens Rd.  
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<b>Date:</b>	15-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	1
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Esign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	2	John Hatteberg	1		
Well Control Engineer	2	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Airfair		JH/WC	2		
Rental Car		JH/WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
5:30	9:30	John and Wayne departed Houston to travel LAX
9:30	13:30	John and Wayne travel to location from LAX, meet with B&C personnel on S25
14:00	15:30	Attend DWOP that included B&C, SoCalGasCo, Wireline, Rig and Sperry personnel to discuss ranging operations, logistics and well control
18:00	18:30	Travel to hotel

**Projected Operations**

Travel from Houston to Relief Well Location, attend DWOP

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	15-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Brad Hendrix	4				
Chad Hopkins	4				
<b>Total Man-hours for Noted Date:</b>					<b>8</b>







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<b>Date:</b>	16-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	2
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Esign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	2	John Hatteberg	1		
Well Control Engineer	2	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH/WC	1		

Estimated Daily Total

**Well Summary**

Hour	Hour	Activity on Site
5:10	5:30	Departed hotel for P39A location
6:30	7:30	Attended SS25 morning pre job meeting
8:30	9:30	Prepared email relating to running the 9-5/8" deeper due to lower expected LOT results
13:30	16:30	Rig walkthrough, pit volume available 1350 bbl, 42 bbl trip tank, 42 bbls pill tank, can make mud up to 100 bbl/hr, 400 bbls of mud available offsite, no flare on top of separator. Discussed with SoCalGasCo, will rig up 8" flare while running 9-5/8" casing. Relief well at 1907.0' MD/1811.0' TVD, 37° inc., 309° azi. as of 15:45 Continued working on relief well supplemental plan
16:30	16:50	Departed location for hotel
20:00	20:00	Relief well at 2002.0' MD/1886.8'TVD, 38° inc., 309° azi.

**Projected Operations**

Attended morning pre job meeting, examined 9-5/8" casing setting depth, suggested flar line rig up on separator

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	John Hatteberg	16-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	11				
Wayne Courville	11				

Total Man-hours for Noted Date: 22



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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	17-Dec-2015	<b>Well Name and Number:</b>	Standard Senson 25	<b>Report #</b>	54
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Senson 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Danny Clayton	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:30		Depart Hotel
6:45		Arrive on SS25 location. Check LEL and wind direction. Move in crane. Held Tool Box safety mtg. Used man basket and take 2 personnel to tree. Used long reach track hoe to assist and undo pump lines.
		Close in upper crown valve and bleed off line, remove line. Insure that wing valve on north side is shut-in and bleed off/remove line
		Remove all pump lines on manifold. Reposition 2-7/8" pump lines from Location 1. Built new dirt bridge over pump lines.
		Break down wireline lubricator. Remove pump iron hanging in cellar. Load out same to decontamination site. Send wireline eqpt to DECON
11:30		Lunch in shifts while wireline is loaded out for DECON
12:45		Stop operations to take gas samples for LA COUNTY HAZMAT AND FIRE DEPARTMENTS
13:00		WAIT ON OSHA, NO SHOW
13:30		Commence operations on cleaning south side of wellbore
14:35		SUSPEND OPERATIONS DUE TO SMALL AIRCRAFT (Cesna 172) DOING FLY-BYS VERY CLOSE TO LOCATION
14:50		Flour Eng and AE Eng representatives arrive and stand by until plane leaves
14:55		B&C takes representatives to inspect well and are looking at ideas to capture the gas coming out of the crater (Operations stopped)
15:00		Clean on east and south side of location, preparation for bridge
16:30		Secure site for evening
17:30		Travel to Hotel
		LaGrone, Gomez, Richard meet w/ Flour Eng on building a Sombrero & installing mist extractors
		LaGrone, Gomez, Richard meet w/ California OSHA and discuss safety issues with placing bridge and kill plan
		LaGrone, Richard, Clayton meet w/ Jim Fox, Shackelford and SOCAL staff on alternatives and Contingencies

**Projected Operations**

Install bridge across crater

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	11.5	0.5	Jim LaGrone	11.5	0.5
Travis Martel	11.5	0.5	Rolly Gomez	11.5	0.5
Danny Clayton	11.5	0.5			
Bud Curtis	11.5	0.5			
Mike Baggett	11.5	0.5			
<b>Total Man-hours for Noted Date:</b>					84



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<b>Date:</b>	17-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	3
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328	<b>Region:</b>	California		
	Northridge, CA 91326	<b>Country:</b>	USA		
<b>Purchase Order#</b>		<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Type:</b>	Relief Well		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Job Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Rig No:</b>	Esign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	2	John Hatteberg	1		
Well Control Engineer	2	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH/WC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
5:20	5:40	Departed hotel for P39A location
6:30	7:30	Attended SS25 morning pre job meeting
7:30	9:30	Performed a drilling rig well control walkthrough
10:00	10:30	Discussed extreme losses procedure with Geo Drilling Fluids representative.
13:30	15:30	Worked on RW Special Operations Report
15:30	16:30	Discussed extreme losses procedure with Geo Drilling Fluids representative.
16:30	17:00	Departed P39A location for hotel
0:00		Relief well drilling at 2,603' MD, 40.03° inc, 307.87° azi, 2349.08' TVD

**Projected Operations**

Attended morning pre job meeting, worked on lost circulation document and special operations report

Approvals		
Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	John Hatteberg	16-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	11				
Wayne Courville	11				
<b>Total Man-hours for Noted Date:</b>					<b>22</b>







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<b>Date:</b>	18-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	4
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	2	John Hatteberg	1		
Well Control Engineer	2	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH/WC	1		

Estimated Daily Total

Well Summary

Hour	Hour	Activity on Site
5:20	5:35	Departed hotel for P39A location
6:30	7:30	Attended SS25 morning pre job meeting
7:30	11:15	Worked on supplemental operations report, discussed desired TCP gun configuration with Western Wireline representative: -5°, 0°, +5° alignment, 10' guns, ultra deep penetration. Two guns will be built after Christmas break.
12:15	14:00	Performed detailed rig audit of Ensign #587 drilling rig.
14:00	16:00	Received severe losses procedure from mud company representative
16:00	17:00	Discussed TCP gun options with Sperry and Western Wireline representatives. Will need to use Scientific Gyro to orient TCP guns.
17:30	17:45	Departed P39A location for hotel

Projected Operations

Attended morning pre job meeting, worked on lost circulation document and special operations report

Approvals

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	John Hatteberg	17-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	12				
Wayne Courville	12				

Total Man-hours for Noted Date:







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<b>Date:</b>	19-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	5
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hattberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	2	John Hattberg	1		
Well Control Engineer	2	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH/WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
5:30	5:40	Departed hotel for P39A location
6:30	7:30	Attended SS25 morning pre job meeting
7:30	9:00	Worked on rig audit report
9:00	12:00	Continued work on relief well supplemental operations document, reviewed and discussed new SHL that were recently resurveyed, decision made to stick to previous resurveyed locations as thos closely match SoCalGas database SHL surveys
12:00	13:00	Move to point to observe work on SS #25 bridge
14:00	17:30	Continued work on relief well supplemental operations document, forwarded it to senior B&C personnel for review
17:30	17:45	Departed P39A location for hotel

**Projected Operations**

Attended morning pre job meeting, worked on lost circulation document and special operations report, sourced TCP guns

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coats Representative	Print Name	Date
	John Hattberg	19-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hattberg	12				
Wayne Courville	12				

**Total Man-hours for Noted Date:**



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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	20-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	57
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Jim LaGrone	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Danny Clayton	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
Houston Engineering Support	1	Arash Haghshenas	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		

**Estimated Daily Total**

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:30		Depart Hotel
6:30		Attend Morning Operations meeting
6:45		Arrive on SS25 pad, check LEL and wind direction. Check Tbg Pressure of SS25=1318 psig
7:00		Function tested SSV (manumatic) valve off of casing valve twice (OK)
8:00		Move in HOWCO pump iron and tie into wireline pump-in tee. Drive in ground rod and ground Hatteberg's crossing
10:00		Move in 100T crane and set up for wireline. Ground same to bridge & earth
11:00		Spot gas/safe safe mono-conductor wireline unite
12:00		Lunch
12:35		Cont. RU W/L.
		Unable to run gauge ring and be off location prior to end of daylight
13:30		Leave W/L unit, drive crane down hill to DeCon area. All ready to RIH first thing in morning
		Secure well w/ turnbuckles on north side. Wellhead is stable and secure
		Cover wireline unit w/ plastic
14:00		Perorm general housekeeping. Operations suspended for evening
15:00		Inspection of grating section to place over bridge for access and droplet collection
		Appears to be assiting in droplet coalesce size
		Relief well appears to be 2 ft from target on high side. running 4" gradient tool to determine exact distance to target.

**Projected Operations**

May not require spinning magnet survey of 25B (now displaced 10 ft further). Found target well 2 ft away and will run gradient tool (4") to discern exact distance this evening. Prepare for tubing cut on target well for kill

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	11.5	0.5	Jim LaGrone	11.5	0.5
Travis Martel	11.5	0.5	Rolly Gomez	11.5	0.5
Danny Clayton	11.5	0.5			
Bud Curtis	11.5	0.5			
Mike Baggett	11.5	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>84</b>



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**Boots & Coots**  
A WELLBORTON SERVICE

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<b>Date:</b>	20-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	6
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH/WC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
5:30	5:40	Departed hotel for P39A location
6:30	7:30	Attended SS25 morning pre job meeting, RW TD'd at 3806'/3371' MD/TVD at 06:30 RW stopped due to magnetic interference detected on the MWD surveys Discussed RW forward plan (which all changed after ranging) After ranging to relog 13 3/8" surface casing with USIT & CBL log Cleanout run and gamma ray log at same time Run casing 10' off bottom and cement RW began POOH
9:00	10:45	Finished POOH drill string, began breaking down BHA
10:45	12:45	Held pre-job safety meeting before running WellSpot run on wireline for RR#1, ran the same
12:45	13:30	Wireline could not get deeper than 2920' MD, came out of hole to run sinker bar on end of wireline
13:30	15:00	Ran RR#1 to bottom to range, could only get 26' off bottom setting the WellSpot ranging point 40' behind TD of well (3766'MD)
15:00	17:00	Initial RR#1 information shows there is a well 2' edge-to-edge highside from the relief well (at 3766'MD). Discussed contingencies of plugging back and side tracking and shallowest possible depth to run casing.
17:00	0:00	Re-ran Wellspot with 4" tool to confirm ranging findings. Comm error detected, ranging tools were pulled out of the hole. Ran a 3rd wellspot attempt, and ranged at 3766'MD. Sperry rigged down wireline and began interpretation of data. B&C departed location at 17:30 to hotel in preparation for 7pm meeting (which was later pushed to the next day).

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	20-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	12				
Wayne Courville	12				

**Total Man-hours for Noted Date:**



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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	21-Dec-2015	Well Name and Number:	Standard Senson 25	Report #	58
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	State:	California		
AFE #:		Country:	USA		
Customer Representative:		Well Location:	Aliso Canyon Storage Facility		
Report Generated By:	Jim LaGrone	Well Type:	Gas		
Lease - Well #:	Standard Senson 25	Job Type:	Well Control		
		Rig No:	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hattberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Danny Clayton	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
Houston Engineering Support	1	Arash Haghshenas	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

**Well Summary**

Standard Senson 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Hour	Activity on Site
5:30		Depart Hotel
6:30		Attend Morning Operations meeting, wind from the south
6:40		Tubing Pressure on SS25 is 1285 psi, est BHP is 1551 psi or 3.5 ppg equivalent
7:00		Move in crane & wireline eqpt
7:30		Place cement blocks on choke line
8:30		RU lubricator and test 400# low, 4000# high. Equalize to 1300#, open crown valve and RIH w/ 2.133" Gauge ring
9:30		Tag up @ +/-100 ft. POH & remove lubricator. Rig up on 25B (offset well on same pad close to well 25 downhole) for spinning magnet survey. Results showed 25B is NOT interfering with Wellspot/Gradient Runs, but actually seeing 25
14:30		Finish out of hole w/ rotating magnet, 2000# on 25B
15:00		Install additional grating on bridge for coalescing purposes (grating is knocking down the oil mist)
16:00		Move slick line eqpt and glycol pump onto location. Release crane from wellsite
16:30		Reconfigure pump tie in lines to glycol line. Equalize w/ 2000 psi and pump 1 bbl of glycol into well. No "sealing" ice plug
17:15		Leave location
		Target well is 13 ft away at TD and 18 deg left of high side

**Projected Operations**

Will rig up to pump 300 bbl of 15 ppg mud down tubing, the middle 100 bbl will be laced w/ diatomaceous earth and nutplug. If on losses, will maintain losses 1/4-1/2 BPM of 15 ppg

Approvals		
Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hattberg	11.5	0.5	Jim LaGrone	11.5	0.5
Travis Martel	11.5	0.5	Rolly Gomez	11.5	0.5
Danny Clayton	11.5	0.5			
Bud Curtis	11.5	0.5			
Mike Baggett	11.5	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>84</b>



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**Boots & Coots**  
A WALLBURTON SERVICE

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<b>Date:</b>	21-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	7
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
General Daily Expenses		JHWC	2		
Hotel		JHWC	2		
Rental Car		JHWC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
1:00	3:00	Rigged up wireline, ran USIT and CBL on 13 3/8" surface casing
5:40	6:00	Departed hotel for P#39A location
6:30	7:00	Forward SS#25 operations meeting
7:00	7:45	Held P#39A relief well forward operations meeting, hole has 26' of fill on bottom, discussed ranging report #1 (attached), what is assumed to be the target well is 19' +/- 10' away highside of the relief well. Taking into account the fill, the bottom of the relief well hole is estimated to be 13' +/- 10' away. Discussed forward plan, need to set cement plug on bottom then run and cement 9 5/8" casing to ~3684' MD/3250' TVD. This will allow the relief well to kick off right below casing and allow it enough room (for the bridle) to drill out and run WellSpot. SoCalGas still expects us to achieve FIT at the 9 5/8" casing shoe of 13.5 ppg. This should allow the relief well to drill to the 7" casing setting depth of ~8,130' TVD and withstand full hole evacuation pressure on the 9 5/8" casing shoe. Will also run the RMRS assembly in the P#39A and wireline in the SS#25B well to confirm that target well spotted on the WellSpot run is not the SS#25B well.
7:45	11:15	Picked up BHA with bit, motor and RMRS sub and ran to bottom
11:15	16:30	Finished ranging using the RMRS, POOH with same (RMRS ranging report attached), received new forward drilling plan from Sperry and entered it into Compass. Also received caprock depth clarification from Hilary.
16:30	0:00	Departed P#39A location for hotel. Picked up gamma ray logging sub (ran on DP) and logged the hole from the shoe to 3,038' MD (continued to TD next day)

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	21-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	11				
Wayne Courville	11				

**Total Man-hours for Noted Date:**







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<b>Date:</b>	22-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	8
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	Jon Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH/WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	2:30	Continued gamma ray logging run to 3,806' MD
4:00	7:00	POOH with gamma ray logging BHA, departed hotel for SS#25 location, held morning meeting at 06:30 hrs
8:30	13:00	RIH with open ended 5" drill pipe, set cement plug on bottom of hole, PCOH same. Estimated top of cement at 3,606' MD. Wayne and John were at the SS#25 location for the kill attempt.
13:00	0:00	POOH with 5" drill pipe. Waited on cement. Made up 12 1/4" bit and drilled plug from 3,628' MD to 3,690' MD. Departed P#39A location for hotel at 17:30.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coats Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	22-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	12				
Wayne Courville	12				

**Total Man-hours for Noted Date:**















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Date:	24-Dec-2015	Well Name and Number:	Porter #39A	Report #	10
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC			

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	2:00	Tested lines to 3,000 psi. Pumped 9 5/8" cement job. 60 bbls of 10.5 ppg spacer, 210 bbls of 13.5 ppg class C "LEAD" and 57 bbls of 14.8 ppg class C "TAIL" cement.
2:00	10:00	Washed out stack, flow lines, shaker manifold. Waited on cement. Departed hotel for location at 5:50 hrs.
10:00	0:00	Lifted BOP stack, set 9 5/8" casing slips, cut 9 5/8" casing with pneumatic cutter, nipped down BOP stack and set tubing head, began nipping up BOP. Began welding and installing 8" flare line off of separator, installed 8" mud leg from separator to shaker possum belly. Departed P#39A location for hotel at 14:30 hrs.

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
Signature Boots and Coots Representative	Print Name John Hatteberg	Date 24-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	8.5				
Wayne Courville	8.5				

**Total Man-hours for Noted Date:**



















**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	26-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	12
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	5:30	Continued BOP testing. Test HCR valve, FOSV, inside mudcross, test annular 300 psi low/3600 psi high, test all rams (300 psi low/5000 psi high).
6:00	7:00	Departed hotel for location. Attended SS#25 6:30 morning meeting.
7:00	12:30	Downtime to repair accumulator 4 way valve leak, perform choke drill. Attended P#39A 7:30 morning meeting.
12:30	18:00	Made up bit, RIH to 3,551' MD tag cement. drilled out cement and shoe track from 3,551' MD to 3,682' MD. Departed P#39A location at 15:00 for hotel.
18:00	21:00	Continued drilling from 3,682' MD to 3,700' MD. Circulated bottoms up, performed flow check and pulled out of hole.
21:30	0:00	Picked up directional tools and began running to bottom.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	26-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	9				
Wayne Courville	9				

**Total Man-hours for Noted Date:**



7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	27-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	13
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328	<b>Region:</b>	California		
	Northridge, CA 91326	<b>Country:</b>	USA		
<b>Purchase Order#:</b>		<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Type:</b>	Relief Well		
<b>Report Generated By:</b>	John Hatteberg	<b>Job Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well control Engineer	1	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	10:00	Ran in hole with 8-1/2" bit on directional BHA. Drilled from 3,700' MD to 3,750' MD, 90% sliding. Observed 100% formation at 3,750'. Pumped high viscosity sweep and circulated hole clean. Departed hotel for location at 0600 hrs. Attended SS#25 morning meeting at 0630 hrs. Attended P#39A meeting at 0730 hrs.
10:00	12:00	Pulled out of the hole to 3,675' MD. Performed the FIT test to 13.5 ppg EMW, pressured 9.0 ppg mud to 775 psi. Assumed 3,750' MD (3,316' TVD) FIT calculation point.
12:30	22:00	Pulled out of the hole and laid down directional BHA. Made up gryo BHA and ran in hole to TD. Took gyro survey shots between 3,592' MD and 3,750' MD. Departed P#39A location at 1530 hrs for hotel.
22:00	0:00	Pulled out of hole from 3,750' MD with gryo BHA. Laid down same.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	27-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	9.5				
Wayne Courville	9.5				

**Total Man-hours for Noted Date:**











7047 W. Greens Rd.  
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Date:	28-Dec-2015	Well Name and Number:	Porter #39A	Report #	14
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well control Engineer	1	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
0:30	12:30	Made up directional BHA and ran in hole to 3,750' MD. Drilled from 3,750' MD to 3,850' MD. Circulate and condition hole. Departed hotel for location at 0630 hrs. Attended P#39A morning meeting at 0730 hrs.
12:30	15:30	Pulled out of hole and stood back directional tools
15:30	20:30	Rigged up wireline and ran ranging run #2 on wireline, laid down same. Departed location for hotel at 1630 hrs. Came back to location 2000 hrs to 2200 hrs to discuss ranging run #2 results (attached). Developed the RR#2 call box and target well movement diagram.
20:30	0:00	Made up directional BHA and ran in hole to 1,566' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	28-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	12				
Arash	10				

**Total Man-hours for Noted Date:**







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<b>Date:</b>	29-Dec-2015	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	15
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsic Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	0:30	Continued running in hole to 3,850' MD
2:00	7:30	Directionally drilled 8 1/2" hole from 3,850' MD to 3,950' MD. Slid 35%, rotated 65%. Traveled to location at 0630 hrs.
7:30	8:30	Attended P#39A relief well operations meeting at 0730. Discussed adjusting 7" liner setting depth to 10' TVD above the S1 sand to 8062' TVD of the relief well. Discussed contingency plans in case 6 1/8" hole is not stable, best way to perforate, etc. Circulated and pumped three sweeps to clean hole up.
9:00	12:00	Pulled out of hole from 3,950' MD. Laid down directional BHA.
12:00	16:30	Rigged up Halliburton wireline, ran ranging run #3 (results attached) on wireline, rigged down wireline.
16:30	22:00	Held meeting with SoCalGas, Sperry and B&C representatives to discuss ranging results at 1630 hrs. Target well did not shift much after this ranging. That means that relief well can drill deeper to 4,100' MD this time before ranging again. This ranging run was the last of the locate phase. If the next ranging run shows the target well to be where it is expected, the next few ranging runs will be performed in drill pipe. Rigged up SLB wireline logging equipment. Ran USIT and CBL. Rig down same. Departed location at 1700 and 1930 hrs for hotel.
22:30	0:00	Made up drilling BHA

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b> Todd Van de Putte	<b>Date</b>
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b> John Hatteberg	<b>Date</b> 29-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10.5				
Wayne Courville	13				
Arash	13				

**Total Man-hours for Noted Date:**







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Date:	30-Dec-2015	Well Name and Number:	Porter #39A	Report #	16
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:30	2:00	RIH with directional BHA to 3,950' MD.
2:00	10:00	Directionally drilled from 3,950' MD to 4,100' MD. Slid 45%, rotated 55%. Circulated and cleaned hole. Departed hotel at 0630 hrs. Attended 0730 P#39A relief well morning meeting.
10:00	13:00	Pulled out of hole from 4,100' MD, laid down drilling BHA.
13:00	18:00	Rigged up Halliburton e-line, made ranging run #4 (results attached), rigged down Halliburton E-Line. One B&C personnel departed P#39A Location at 1530 hrs.
18:30	19:30	Two B&C personnel stayed at location to attend RR#4 meeting at 1830 hrs. Waited for drilling plan and corrected target well survey which were received at 1930 hrs.
20:30	23:00	Made up drilling BHA. Two B&C personnel departed location for hotel at 21:30 hrs.

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Todd Van de Putte	
Signature Boots and Coots Representative	Print Name	Date
	John Hatteberg	30-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	9				
Wayne Courville	13				
Arash	14				

**Total Man-hours for Noted Date:**



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**Boots & Coots**  
WELL CONTROL SERVICES

*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	31-Dec-2015	Well Name and Number:	Porter #39A	Report #	17
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	1:30	Continued running in hole to 4,100' MD.
1:30	15:00	Directionally drilled from 4,100' MD to 4,300' MD. Slid 30%, rotated 70%. Pumped high viscosity sweep. Departed hotel for P#39A location at 0630 hrs.
15:00	21:00	Departed P#39A location at 1630 hrs. Pulled out of hole from 4,300' MD to 4,156' MD (2 stands) and made up side entry sub. Ran ranging tools into DP, set shear pins on side entry sub, rigged up line guide. Ran into hole to 4,300' MD.
21:00	0:00	Performed ranging run #5 from 4,300' to 4,175' inside DP (results attached). Retrieved wire line, laid down side entry sub and ranging tools.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	31-Dec-15

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	9.5				
Wayne Courville	11				
Arash	10.5				

**Total Man-hours for Noted Date:**



















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<b>Date:</b>	2-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	19
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No.:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
0:00	1:00	Rigged down Halliburton E-Line equipment.
1:00	1:30	Ran in hole from 4,252' MD to 4,600' MD.
1:30	14:30	Directionally drilled 8-1/2" hole from 4,600' MD to 4,862' MD. Slid 10%, rotated 90%. B&C imported RR #6 into compass and generated directional plots from 0230 hrs to 0330 hrs. Experienced rig generator issues. Gas feed to rig generators cut with oil. Traveled to location from hotel at 0630 hrs.
14:30	16:00	Pumped 40 bbls high viscosity sweep, pulled out of hole from 4,862' MD to the shoe (3,680' MD). Departed location at 1530 hrs.
16:00	20:30	Drained oil from rig's gas scrubbers and generator gas supply lines. Mechanics started flushing and cleaning all injector lines and fuel regulators. Decision made to source and set up two diesel type generators.
20:30	0:00	Pulled out of hole, on backup diesel generators, from shoe (3,680' MD). Laid down directional BHA.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	2-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	9				
Wayne Courville	10				
Arash	9				
<b>Total Man-hours for Noted Date:</b>					











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<b>Date:</b>	4-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	21
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	3:30	Continued servicing generators #1 & #3.
3:30	4:00	Pulled out of hoke with kill string.
4:00	8:00	Made up directional BHA and surface tested MWD. Traveld from hotel to location at 0630 hrs.
8:00	10:00	Ran in hole to 4,862' MD.
10:00	0:00	Directionally drilled from 4,862' MD to 5,156' MD. Slid 5% and rotated 95%. Departed location for hotel at 1700 hrs.

**Projected Operations**

Plan to drill to ~5,400' MD and perform RR #8 through DP

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	4-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10.5				
Wayne Courville	10.5				
Arash	11.5				

**Total Man-hours for Noted Date:**



















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**Boots & Coots**  
WELL CONTROL SERVICES

*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	7-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	24
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	4:00	Continued directionally drilling from 5,910' MD to 6,000' MD. Slid 5% and rotated 95%. Pumped 40 bbl high vis sweep.
4:00	12:00	Performed flow check, no flow. Pulled out of hole from 6,000' MD to 5,488' MD (6 Stands). Installed ranging tools in drill pipe and made up side entry sub. Ran in hole slowly with ranging tools from 5,488' MD to 6,000' MD. Performed ranging run #9 (results attached). Pulled out of hole with wireline and laid down side entry sub and ranging tools.
12:00	13:00	Pulled out of hole from 5,488' MD to 3,682' MD (the 9-5/8" casing shoe).
13:00	17:30	Worked on top drive.
17:30	19:30	Ran in hole from 3,681' MD to 6,000' MD.
19:30	0:00	Directionally drilled 8-1/2" from 6,000' MD to 6,085' MD. Slid 5% and rotated 95%.

**Projected Operations**

Drilling to 6,600' MD for RR #10

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	7-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**

















7047 W. Greens Rd.  
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**Wells & Coats**  
WELL CONTROL & PREVENTION SERVICES

*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	9-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	26
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	1:30	Pulled out of hole from 6,600' MD to 6,000' MD. No tight hole observed. Pumped one 40 bbls high viscosity sweep.
1:30	8:00	Checked for flow, no flow. Pulled out of hole with drill string.
8:00	14:00	Rigged up Halliburton E-Line truck. Ran in hole and performed open hole ranging run #10 (results attached) on bottom at 6,600' MD. Pulled ranging tools back to surface. Rigged down Halliburton E-Line equipment.
14:00	0:00	Made up directional BHA and ran in hole to 6,058' MD by midnight.

**Projected Operations**

Drilling to 7,200' MD for RR #11

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coats Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	9-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10.5				
Wayne Courville	10.5				
Arash	11.5				

**Total Man-hours for Noted Date:**





7047 W. Greens Rd.  
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<b>Date:</b>	11-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	79
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to site 3
6:30	Attend Daily Operations meeting
7:30	Attend Daily Meeting w/ Regulators
7:30	Arrive on SS25 site. Check winds & LEL's. Moderately strong wind out of NNE. SITP=787 psi
	No noticable change in crater.
8:00	DOGGR representative inspects site
10:15	SoCal representatives and John Wright w/ WWC visited site for inspection. SITP=793 psi
11:30	Lunch
11:30	Attend conference call w/ B&C Houston, Howco legal and outside counsel to discuss CalOSHA document request
12:30	Return to site. Prepare north end of site for modified collection tray #3 (east side of bridge)
	Fill in low spot on northeast corner of pad in preparation for rain runoff (sandbags still in place). Refuel track-hoe
13:00	VIP's on site SS1, north and elevated of SS25
14:45	SoCal and DOGGR representative inspect site. SITP=787
15:45	Secure site and clear all personnel
16:00	Depart location
	Note: RR1 (Porter 39A ranged at 7200 ft)

**Projected Operations**

Install mist extractors across crater to collect oil droplets.

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Mike Dozier	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Danny Clayton	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>



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PUC Section 583, GO 66-D, and D.17-09-023**

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<b>Date:</b>	12-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	80
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to site 3
6:30	Attend Daily Operations meeting
6:45	Arrive on Site SS25 and check winds and LEL's. Strong wind out of north. 60% to 100% LEL at cone barrier on south end of crater where the crane needs to be set. Crater is about the same.
7:30	Attend Daily operations mtg w/ Regulators
8:00	SoCal and DOGGR representatives on site for inspection.
8:30	Large inspection party on Site SS1 looking at SS25 wellsite
9:00	Attend meeting led by Don Shackelford who analyzed the 5 pumping jobs on SS25 down the 2-7/8" tubing. In each pump attempted there appeared to be a downhole void between 600 and 1400 bbl, which has now been matched with simulation. Several older temperature/noise logs also support this.
11:30	Lunch
12:30	Return to Site SS25, SITP=755 psi
15:00	SoCal and DOGGR representatives on site for inspection.
15:45	Secure site and personnel
16:00	Depart location
	Note: At 18:00 relief well Porter 39-A is at 7600 ft MD

**Projected Operations**

Intall mist extractors across crater to collect oil droplets.

**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Danny Clayton	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>







7047 W. Greens Rd.  
Houston, TX. 77066  
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<b>Date:</b>	13-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	30
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghsheenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	11:30	Rigged up Halliburton E-line. Ran in hole with Wellspot Ranging tools and performed ranging run #12 (reports attached) open hole at 7,600' MD. Pulled tools back to surface. Made up 4-1/2" Wellspot Ranging tools. Ran in hole and performed ranging run #12 confirmation run in open hole again at 7,600' MD. Pulled E-line to surface and rigged down Halliburton's E-line equipment. Departed hotel for location at 0630 hrs.
11:30	17:00	Made up drilling BHA and ran in hole to 7,600' MD. Attended meeting from 1430 hrs to 1700 hrs to discuss potential 600 bbls void or fracture system in SS#25 well.
17:00	22:00	Directionally drilled 8-1/2" hole from 7,600' MD to 7,710' MD. Slid 7% and rotated 93%. Circulated hole celan and pumped two 40 bbl high viscosity sweeps. Departed location for hotel at 17:00 hrs.
22:00	0:00	Pulled out oh hole from 7,710' MD to 6,890' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	13-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10.5				
Wayne Courville	10.5				
Arash	11.5				

**Total Man-hours for Noted Date:**





7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



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<b>Date:</b>	14-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	31
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	4:30	Continued pulling out of hole with directional tools from 6,890' MD. Stood back directional BHA.
4:30	12:00	Rigged up Halliburton's E-Line equipment. Ran in hole with WellSpot and performed ranging run #13 on bottom at 7,710' MD. (results attached). Pulled out of hole with same and then ran in hole with RGR111 WellSpot ranging tools and performed open hole passive magnetic ranging on bottom at 7,710' MD. Rigged down Halliburton's E-Line equipment. Traveled to location from hotel at 0630 hrs.
12:00	17:00	Made up directional BHA and ran in hole to 7,710' MD.
17:00	0:00	Directionally drilled 8-1/2" hole from 7,710' MD to 7,800' MD. Slid 23% and rotated 77%. Pumped two 40 bbls high viscosity sweeps. Pulled out of hole from 7,800' MD to 5,572' MD. Traveled from location to hotel at 16:30 hrs.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	14-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**



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<b>Date:</b>	15-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	83
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to site 3
6:30	Attend Daily Operations meeting
7:00	Arrive on Site SS25, check winds and LEL's. No wind, gas going straight up, very foggy. SITP = 716 psi
7:20	Western wireline personnel on site. Move in 70T crane for W/L operations. Began rigging up.
7:30	Attend Daily Operation meeting w/ Regulators
	Pull water bottle from crater in gas flow. Temp = 62 deg F
9:00	Slick line arrive and began rigging up SL
9:30	Grating arrived and laid across bridge for access to tree
10:05	Pressure test lubricator 400 psi low/4000 psi high for 5 min, OK
10:30	Pump 1 bbl of glycol into well, no resistance
11:00	RIH w/ 25 ft of 1.87" tool string and 1.25" memory pressure and temperature tool.
11:45	Sat down @ 8382 ft. 8370 ft WLM, POH
12:30	Attend meeting w/ DOGGR and National Laboratories to open discussion on kill theories
13:00	Out of hole w/ memory pressure/temperate tools. SITP = 676 psi
14:30	Release slick line unit and crane from site
15:20	SITP = 575 psi
15:27	SITP = 553 psi. Tubing pressure drops appear to be unloading thick oil into crater from vent in crater and out 2" outlet in 11" csg
15:30	Secure stie of all personnel
16:00	Depart Aliso Canyon

**Projected Operations**

Run Rate Gyro

**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Danny Clayton	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>

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<b>Date:</b>	15-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	32
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No.:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	1		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	4:00	Continued pulling out of hole from 5,272' MD. Laid down directional BHA.
4:00	12:00	Rigged up Halliburton E-Line. Ran in hole and performed open hole WellSpot Ranging Run #14 (Results attached) on bottom at 7,800' MD. Pulled tools to surface then ran passive magnetic ranging confirmation run, the RGR III tool, to 7,800' MD. Pulled tool back to surface. Rigged down Halliburton E-Line Equipment. Traveled from hotel to location at 0630 hrs.
12:00	16:30	Made up directional BHA. Ran in hole to 7,800' MD.
16:30	20:30	Directionally drilled from 7,800' MD to 7,860' MD. Slid 20% and rotated 80%. Pumped two 40 bbl high viscosity sweeps. Traveled from location to hotel at 1630 hrs.
20:30	0:00	Pulled out of hole from 7,860' MD to 1,946' MD (midnight depth).
		Arash worked with Don Shackelford to develop and present 600 bbbls void presentation.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	15-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**



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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	16-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	84
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to site 3
6:30	Attend Daily Operations meeting
6:45	Arrive Site SS25, check winds and LEL's. Wind from NNW and shifting. SITP = 691 psi
7:15	Move in crane. Moderate strong winds from NNW and shifting. Stop crane operations waiting on favorable wind
7:30	Attend Daily Operations meeting w/ Regulators
8:30	Wind starting to shift. Start crane operations for wireline work
9:00	Pick up lubricator. Working on north seeking gyro to find north.
10:00	SITP = 689 psi. Tool seeing north
10:15	Pressure test lubricator 400 psi low/4000 psi high, OK
10:30	Open well and RIH w/ Rate Gyro collect directional information both in and out
11:00	Hold Kill Well on Paper w/ Rig crew off tour, DOGGR rep and SoCal reps in attendance
12:00	SITP = 684 psi. Begin pulling out of hole w/ gyro
12:45	Hold Kill Well on Paper w/ Rig crew off tour, DOGGR rep and SoCal reps in attendance
13:15	Out of hole w/ gyro. Bleed off lubricator and rig down e-line
14:45	SITP = 683 psi. E-line loaded out. Release trucks and crane.
15:30	Secure location clear of all personnel
16:00	Depart Aliso Canyon Facility

**Projected Operations**

Approvals		
Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coats Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Danny Clayton	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>

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<b>Date:</b>	16-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	33
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	2:00	Continued pulling out of hole from 1,956' MD to surface. Racked back directional tools.
2:00	6:00	Rigged up Halliburton's E-Line equipment. Ran in hole and performed open hole WellSpot ranging run #15 at 7,860' MD. Results attached). Pulled ranging tools back to surface. Rigged down Sperry WellSpot ranging tools and Halliburton's E-Line equipment.
6:00	11:00	Made up directional BHA. Ran in hole to 7,860' MD.
11:00	17:00	Directionally drilled from 7,860' MD to 7,950' MD. Slid 20% and rotated 80%. Pumped two high viscosity sweeps.
17:00	21:30	Pulled out of hole from 7,950' MD. Stood back directional BHA.
21:30	0:00	Rigged up Halliburton's E-Line equipment. Began running in hole on e-line to perform open hole WellSpot ranging run #16 at 7,950' MD. (Results attached)

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	16-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**





**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	18-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #:</b>	86
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Senson 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to site 3
6:30	Attend Daily Operations meeting
6:55	Arrive on Site SS25, check winds and LEL's. Moderate wind out of SSW. SITP = 668 psi. No visual change in crater. Some evidence of fresh oil in crater
7:30	Attend Daily Operations meeting w/ Regulators SoCal & DOGGR representatives inspect Site SS25
8:00	Meeting w/ all involved parties to discuss decision tree for intercept and kill
9:30	SITP = 667 psi
10:30	Close site due to poor visibility (Fog)
11:30	Return to Site SS25 with Sempra executives for inspection
12:00	Lunch Extremely poor visibility and deteriorating weather due to fog
13:00	Review decision tree work plan for SS25 remediation
15:30	Secure and clear all personnel of Site SS25
16:00	Depart Aliso Canyon

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Mike Dozier	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>



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<b>Date:</b>	18-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	35
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	3:30	Ran in hole to 8,070' MD.
3:30	10:00	Directionally drilled from 8,070' MD to 8,160' MD. Slid 35%, rotated 65%. Pumped two 40 bbl high viscosity sweeps. Traveled from hotel to location at 0630 hrs. Held forward operations meeting to discuss Don Shackelford decision tree from 800 hrs to 845 hrs.
10:00	14:30	Pulled out of hole from 8,160' MD to surface. Laid down directional BHA.
14:30	18:30	Rigged up Halliburton E-Line equipment and Sperry WellSpot Ranging tools. Ran in hole with E-Line to 8,160' MD and performed Ranging Run #18 (results attached). Pulled ranging tools back to surface. Rigged down ranging tools and Halliburton's E-Line equipment.
18:30	0:00	Made up directional BHA. Ran in hole to 3,658' MD by midnight. Worked on drilling rig.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	18-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**





**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	19-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	36
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	1:30	Continued running in hole with drilling BHA to 8,160' MD.
2:30	8:00	Directionally drilled 8-1/2" hole from 8,160' MD to 8,240' MD. Slid 20% and rotated 80%. Departed hotel for location at 0630 hrs.
8:00	15:30	Pumped two 40 bbls high viscosity sweeps. Pulled out of hole from 8,240' MD. Stood back directional BHA.
15:30	20:00	Rigged up Halliburton's E-Line equipment. Ran in hole with ranging tools and performed Ranging Run #19 at 8,240' MD (results attached). Pulled tools to surface and rigged down Halliburton E-Line Equipment. Departed location for hotel at 1630 hrs.
20:30	0:00	Picked up directional BHA and ran in hole with same. Midnight depth was 1,500' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	19-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**





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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	20-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	37
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	2:00	Continued running in hole from 1,500' MD to 8,240' MD.
2:30	14:00	Directionally drilled 8-1/2" hole from 8,240' MD to 8,340' MD. Slid 41% and rotated 59%. Pumped two 40 bbl high viscosity sweeps. Departed hotel for location at 0630 hrs.
14:00	18:30	Pulled out of hole from 8,340' MD. Stand back drilling BHA. Departed location for hotel at 1630 hrs.
18:30	24:00	Made up gyro while drilling tools along with 8-1/2" bit (no mud motor). Ran in hole. Midnight depth was 5,000' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	20-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**





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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	21-Jan-2016	Well Name and Number:	Porter #39A	Report #	38
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
0:00	3:30	Continued running in hole with GWD from 5,500' MD to 8,340' MD.
3:30	8:30	Pulled out of hole from 8,340' MD. Laid down GWD. Departed hotel for location at 0630 hrs.
8:30	12:30	Rigged up Halliburton's E-Line equipment. Ran in hole and performed ranging run #20 at 8,340' MD (results attached). Pulled tools back to surface. Rigged down WellSpot ranging tools and Halliburton's E-Line equipment. Attended AddEnergy presentation on modeling results from 0900 hrs to 1100 hrs.
14:30	17:30	Made up directional BHA and ran in hole to 8,340' MD. Departed location for hotel at 1630 hrs.
17:30	0:00	Directionally drilled 8-1/2" hole from 8,340' MD to 8,403' MD at midnight. At 7" liner depth. Slid 52% and rotated 48%.

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Todd Van de Putte	
Signature Boots and Coots Representative	Print Name	Date
	John Hatteberg	21-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				
<b>Total Man-hours for Noted Date:</b>					

**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	22-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	90
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Senson 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to site 3
6:30	Attend Daily Operations meeting
6:45	Arrive on Site SS25 and check winds/LEL's. Moderate strong wind out of north. 97% LEL @ cone barrier/Wind unfavorable for crane work. No visible change in crater deterioration. Considerable more oil accumulation in bottom of crater. (Est 15-20 bbls). Oil is pooling on mats and bridge. SITP = 607 psi
7:15	Use skid steer to spread dirt on south end of pad
7:30	Attend Daily Operation meeting w/ Regulators
7:50	Move in air compressor onto site
8:00	Wind shifting out of NW. Move in wireline eqpt and unload with stinger crane
9:00	SoCal and DOGGR representatives for site inspection. Continue to unload and spot E-W/L eqpt. SITP = 617 psi
10:30	Reading to rig up E-W/L
10:45	Shut down operations as CalOSHA representatives arrive on Site SS25
11:00	CalOSHA request to perform site inspection and discuss w/ Western Wireline
12:20	Operations continue. Stable lubricator. SITP = 610 psi
12:30	Test lubricator to 400/4000 psi low/hi for 5 min each
12:40	RIH w/ 24 finger surface readout tubing caliper
13:30	On bottom began logging tubing
14:00	Howco delivered 600 feet of 1502 iron w/ valves, tees, wings to tie into the wellhead
15:00	POOH w/ E-W/L. Cover all equipment w/ plastic sheeting
15:30	Out of hole. Bleed of lubricator. RD lubricator
15:45	Boom down crane. SITP = 597 psi
16:50	Secure site of all personnel
17:00	Depart Aliso Canyon

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>



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<b>Date:</b>	22-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	39
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	1:00	Pumped two 40 bbl high viscosity sweeps.
1:00	7:30	Pulled out of hole from 8,403' MD. Laid down directional tools.
8:00	11:30	Rigged up Halliburton E-Line equipment. Ran in hole and performed open hole ranging run #21 ranging on bottom at 8,403' MD (results attached). Pulled tools back to surface. Rigged down WellSpot ranging tools and Halliburton E-Line equipment.
12:00	17:00	Made up casing scraper and ran in hole to 3,395' MD. Circulated bottoms up. Pulled out of hole from 3,395' MD and laid down 9-5/8" casing scraper.
18:30	0:00	Made up 8-1/2" clean out assembly. Ran in hole to 6,500' MD midnight depth with no obstructions.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	22-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**





**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	23-Jan-2016	Well Name and Number:	Porter #39A	Report #	40
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328	Region:	California		
	Northridge, CA 91326	Country:	USA		
Purchase Order#:		Well Location:	Alsio Canyon Storage Facility		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Type:	Relief Well		
Report Generated By:	John Hatteberg	Job Type:	Relief Well		
Lease - Well #:	Porter 39A	Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	14:00	Continued running in hole with 8-1/2" cleanout assembly from 6,500' MD to 8,403' MD. Pumped two 40 barrel high viscosity sweeps. Pulled out of hole from 8,403' MD to 3,648' MD. Ran back in hole to 8,403' MD. Circulated hole clean while rotating and reciprocating drill string. Pumped additional two 40 barrel high viscosity sweeps. Pulled out of hole to 3,682' MD. Dropped 2-5/8" rabbit with 110' wire attached. Continued pulling out of hole. Retrieved 2-5/8" rabbit. Laid down cleanout assembly.
14:00	0:00	Rigged up 7" liner running equipment and tubular pick up machine. Made up 7" float shoe, two 7" 26# L80 joints with pip tag made up in middle of connection, float collar, one 7" 26# L80 joint, 7" landing collar. Shoe track was thread locked and centralized. Continued running in hole with 7" liner to 3,650' MD midnight depth. Applied 8-1/2" centralizers to middle of each joint with 2 stop collars.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	23-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**











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<b>Date:</b>	25-Jan-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	42
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	6:00	Rigged down lay down machine. Rigged up lay down machine. Laid down 60 joints excess 5" drill pipe, Rigged down lay down machine. Offloaded and set on pip racks 151 joints of 3-1/2" X95 15.50# drill pipe and 30 joints of 3-1/2" HWD.
6:00	12:00	Flushed BOP stack. Swapped 3-1/2" X 5" VBRs to top ram cavity and 5" pipe rames to lower ram cavity.
12:00	0:00	Rigged up and tested BOPs. 300 psi low / 5,000 psi high held 20 minutes each with fresh water. Annular tested 300 psi low and 3,600 psi high 20 minutes. Completed 9 of 14 tests at Midnight.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	25-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**





**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	26-Jan-2016	Well Name and Number:	Porter #39A	Report #	43
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	5:00	Continued pressure testing stack. 300 psi low / 5,000 psi high held 20 minutes each with fresh water. Completed 14 tests. Pulled test plug.
5:00	6:00	Rigged up 3-1/2" drill pipe handling tools.
6:00	8:00	Established flow rates from vertical tanks to pits. Departed hotel for location at 0630 hrs.
8:00	18:00	Rigged up drill pipe pick up machine. Made up 6-1/8" mill tooth bit and sub. Ran in hole picking up 3-1/2" HWDP and 4-3/4" jars 903'. Slipped and cut 120' drilling line. Re-set and function tested C-O-M. Serviced rig equipment. Pulled out of hole and racked back the 3-1/2" HWDP. Ran in hole picking up 102 joints 3-1/2" 15.50# X95 drill pipe. Pulled out of hole and racked 3-1/2" drill pipe in derrick. Departed location for hotel at 15:30 hrs.
18:00	18:30	Tested delivery rates from rig's active tank through kill line with centrifugal charge pumps 1 & 2.
18:30	0:00	Ran in hole with 6-1/8" bit and 3-1/2" HWDP. Attempted to circulate, pipe plugged. Pulled out of hole and cleaned rust debris from bit sub and bit. Ran in hole with 3-1/2" HWDP open ended. Pumped through sting to remove debris. Pulled out of hole with 3-1/2" HWDP. Ran in hole with 34 stands of 3-1/2" DP, pumped through same to remove debris.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	26-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	9				
Wayne Courville	9				
Arash	10				
<b>Total Man-hours for Noted Date:</b>					













7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	29-Jan-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	97
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
5:30	Depart Hotel - Arrive to Site 3
6:30	Attend Daily Operations meeting
7:00	Arrive on Site SS25 check winds and LEL's. SITP = 569 psi
	North wind not favorable for crane work. BCI on Site SS25 to maintain track-hoe
7:30	Attend Daily Operations Conference call w/ Regulators
7:45	SoCal and DOGGR representatives on Site SS25. Waiting on wind to remove de-mister trays.
9:40	Stage crane at curve of access road to Site SS25. Waiting on wind
	Perform radio check w/ Relief Well Rig floor, good coms
11:30	Lunch
12:30	Return to Site SS25 and move in crane and rig up. Remove both trays from east side of crater bridge.
	Remove all de-mister pads from trays and place in roll-off bins
14:00	Rig down crane. Haul off 1st roll-off bin. Call for stinger truck to haul off larger collection tray (Tray #1 closest to crater bridge)
14:15	Perform <i>Omaha</i> drill between relief well rig (Porter 39A) and Site SS25. Good communications during drill.
14:45	Stinger crane on Site SS25. Load out Tray 1 and take to decon site.
15:40	LACFD on Site SS25 for orientation
15:50	Secure Site SS25 of personnel
16:00	Depart Aliso Canyon
	Note: Omaha is code word for complete losses in annulus of Porter 35A Relief Well

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5			
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>73.5</b>









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PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	30-Jan-2016	Well Name and Number:	Porter #39A	Report #	47
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	3:00	Continued pulling out of the hole from 5,204' MD with directional BHA. Stood back GWD/LWD and laid down mud motor.
3:00	14:30	Made up gyro BHA. RIH to 8,450' MD. Captured GWD surveys at 8,450' MD, 8,440' MD, 8,430' MD, 8,420' MD & 8,410' MD. Performed 2 lost circulation drills with the drilling team. Pulled out of hole from 8,450' MD to pick up directional BHA. Shut down operations due to site tour for OSHA from 1300 hrs to 1400 hrs. Departed hotel for location at 0630 hrs. Stood back BHA. Reviewed Kill Operations Procedures Document with SoCalGasCo, B&C and Consultants from 0900 hrs to 1130 hrs.
14:30	18:30	Rigged up Halliburton's E-Line equipment with Sperry WellSpot Ranging tools. Ran in hole and performed open hole WellSpot Ranging Run #22 on bottom at 8,450' (results attached). Pulled tools back to surface. Rigged down Sperry WellSpot Ranging tools and Halliburton's E-Line equipment. Departed location for hotel at 1630 hrs.
18:30	0:00	Made up directional BHA. Ran in hole to 8,450' MD (Midnight Depth).

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coats Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	30-Jan-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	11				

**Total Man-hours for Noted Date:**













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PUC Section 583, GO 66-D, and D.17-09-023**

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Houston, TX. 77066  
281-931-9884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	1-Feb-2016	Well Name and Number:	Porter #39A	Report #	49
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	1		
General Daily Expenses:		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	3:00	Pulled tools back to surface. Rigged down Ranging tools and E-Line equipment.
3:00	18:00	Made up directional BHA with 6-1/8" bit. Ran in hole from to 8,402'. Held extreme losses safety meeting with Boots & Coots reps. Pre-assembled lubricator & grease head assembly for running down hole pressure gauge. Repaired leaking 2" HP nipple on rigs stand pipe manifold. Directional drilled 6-1/8" hole from 8,500' to 8,530'. Slid 50% and rotated 50%. Drilled through the cap rock at 8,516' and observed no loss of fluid. Circulated hole clean. Pumped one 30 bbls high vis sweep while rotating and reciprocating drill string. Checked and no flow. Pulled out of hole from 8,530'. Down loaded GWD/LWD tools. Laid down mud motor. Stood back GWD/LWD BHA.
18:00	0:00	Made up 6-1/8" bit (No mud motor). Ran in hole to 8,530'.

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Todd Van de Putte	
Signature Boots and Coots Representative	Print Name	Date
	John Hatteberg	1-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	11				
Wayne Courville	11				
Arash	11				

**Total Man-hours for Noted Date:**



**Confidential - Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	3-Feb-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #:</b>	102
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA, 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
HSE Specialist		Joe Kennedy (N/C)	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Senson 25 has broached to surface with several fissures on pad site  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
0:00	Winds 10 mph from north, SITP = 581 psi. Wellhead stable, no change in crater
4:00	Winds 10 mph from north, SITP = 588 psi. No change in wellhead or crater
6:00	Attend Operations meeting
6:30	Arrive on location check winds & LEL's. Strong wind from north. No change in crater. SITP = 585 psi
	Attend Relief Well operations meeting
9:30	Cal OSHA on Site SS1 observing SS25 site
11:45	Lunch. SoCal representative informed B&C to leave Site SS25 until further notice as per CPUC orders
14:10	SoCal representative informed B&C to return to Site SS25 to monitor
14:15	On Site SS25, winds from north, wellhead and crater stable. SITP = 585
14:45	SoCal and DOGGR representative on Site SS25 for inspection
17:00	Crew change w/ nite crew
18:00	Continue to monitor Site SS25 on 24 hour coverage
20:00	Site SS25 inspection. Winds out of NE approximately 6 mph. Wellhead stable. SITP = 587 psi
0:00	Winds north 15 mph. Wellhead and crater stable. SITP = 582
	Winds increase throughout nite.

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5	Joe Kennedy	10	0.5
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>84</b>











7047 W. Greens Rd.  
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281-931-8884



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<b>Date:</b>	5-Feb-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	53
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	13:00	Continued to run in hole from 6,000' MD to 8,402' MD. Circulated and conditioned mud at 8,402'. Waited on daylight/orders. Broke circulation. Captured GWD survey at 8,560. Oriented tool face.
13:00	21:30	Directional drilled 6-1/8" hole from 8,560' MD to 8,585'. Slid 44% and rotated 56%. Circulated hole clean. Pumped one 30 bbls high vis sweep while rotating and reciprocating drill string. Checked and no flow. Pulled out of hole from 8,585'. Laid down mud motor. Stood back GWD/LWD BHA.
21:30	0:00	Made up 6-1/8" bit (No mud motor). Load probe. Up load GWD/LWD BHA. Ran hole to 1,500' MD Midnight depth.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	5-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	11				
Wayne Courville	11				
Arash	11				

**Total Man-hours for Noted Date:**





7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	6-Feb-2016	Well Name and Number:	Porter #39A	Report #	54
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	5:00	Continued running n in hole from 1,500' MD to 8,585' MD. Captured GWD surveys at 8,585' MD, 8,575' MD, 8,565' MD, 8,555' MD, 8,545' MD & 8,535' MD. Pulled out of hole from 8,535' to 8,369'.
5:00	9:30	Top drive hydraulic hose developed leak. Replaced leaking Top drive hydraulic hose. At 0530 hrs departed hotel for location.
9:30	14:30	Pulled out of hole from 8,369'. Stood back GWD/LWD tools.
14:30	18:00	Rigged up E-Line equipment with WellSpot 2.375" ranging tools. Ran in hole and performed open hole WellSpot Ranging on bottom at 8,585'. (RR26, results attached). Pulled tools back to surface. Rigged down WellSpot Ranging tools and E-Line equipment. Departed location for hotel at 1530 hrs.
18:30	0:00	Serviced rig equipment. Made up directional BHA with 6-1/8" insert bit #10RR. Ran in hole to 8,401' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	6-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	10				

**Total Man-hours for Noted Date:**





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7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	7-Feb-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	55
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	7:00	Circulated and conditioned mud at 8,402' MD. Waited on daylight/orders. Ran in hole from 8,401' MD to 8,585' MD. Took GWD survey on bottom.
7:00	9:30	Directional drilled 6-1/8" hole from 8,585' MD to 8,600' MD. Slid 80% and rotated 20%. Circulated hole clean. Pumped one 30 bbls high viscosity sweep while rotating and reciprocating drill string. Checked and no flow/losses.
9:30	15:00	Pulled out of hole from 8,600' MD. Down loaded GWD/LWD tools. Laid down mud motor. Stood back GWD/LWD BHA.
15:00	0:00	Made up 6-1/8" bit (No mud motor). Load probe, Up load GWD/LWD BHA. Ran in hole to 8,600' MD. Re-logged from 8,585' MD to 8,600' MD. Captured GWD surveys at 8,600' MD, 8,590' MD & 8,580' MD. Circulated and conditioned mud.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	7-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	10				

**Total Man-hours for Noted Date:**







**Confidential Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	8-Feb-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	56
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	7:00	Circulated and condition mud. Pulled out of hole from 8,800' to BHA. Down loaded GWD/LWD tools. Stood back GWD.LWD tools.
7:00	17:00	Rigged up E-Line equipment with WellSpot 4.5" Ranging tools. Ran in hole and performed open hole WellSpot Ranging on bottom at 8,600' MD. (RR27, results attached). Pulled tools back to surface. Rigged down WellSpot Ranging tools and E-Line equipment. Serviced rig equipment. Rigged up E-Line equipment with WellSpot 2.375" Ranging tools. Ran in hole and performed open hole Passive Magnetic Ranging on bottom at 8,600' MD. (RR27, results attached). Pulled tools back to surface. Rigged down WellSpot Ranging tools and E-Line equipment.
17:00	0:00	Made up directional BHA with 6-1/8" insert bit #10RR. Scribed and performed offset. Uploaded GWD/LWD tools. Surface/shallow tested GWD/LWD tools at 2,540' MD. Discovered discrepancy in offset. Pulled out of hole from 2,540' MD and stood back LWD/GWD BHA. Checked and re-scribed mud motor. Performed offset and uploaded LWD/GWD. Ran in hole to 2,540' and performed shallow test Midnight depth.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	8-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	10				
Wayne Courville	10				
Arash	10				

**Total Man-hours for Noted Date:**





**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

7047 W. Greens Rd.  
Houston, TX. 77066  
281-931-8884



*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	10-Feb-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	58
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	6:00	Ran in hole from 2,500' MD to 8,402' MD. Circulated and conditioned mud at 8,402'. Waited on daylight/orders.
6:00	7:30	Ran in hole from 8,402' MD to 8,610' MD. Circulated and captured GWD survey on bottom. Directional drilled 6-1/8" hole from 8,610' MD to 8,615' MD. Slid 100% and rotated 0%.
7:30	12:00	Soft touched target well at 8,615' MD. Observed 130 psi increase in differential pressure. Picked up and carefully lowered drill string down and verified soft touch twice. All agreed contact with TW was made. Circulated hole clean. Pumped one 30 bbls high vis sweep while rotating and reciprocating drill string. Observed 30% cement cuttings and metal shavings at bottoms up. Checked and no flow.
12:00	14:00	Pulled out of hole from 8,615' MD. Down loaded GWD/LWD tools. Laid down mud motor. Stood back GWD/LWD BHA.
14:00	17:00	Rigged up E-Line equipment with WellSpot 4.5" Ranging tools. Ran in hole and performed open hole WellSpot Ranging on bottom at 8,617' MD. (RR29, results attached). Pulled tools back to surface. Rigged down WellSpot Ranging tools and E-Line equipment. Serviced rig equipment.
17:30	0:00	Made up Milling/Directional BHA. Picked up 2.12 deg bend mud motor and 6-1/8" concave bottom mill #1. Scribed and performed offset. Uploaded GWD/LWD tools. Ran in hole to 8,402' MD. Circulated and conditioned mud at 8,402' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	10-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	12				
Wayne Courville	12				
Arash	12				

**Total Man-hours for Noted Date:**



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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<b>Date:</b>	11-Feb-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	59
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	6:00	Circulated and conditioned mud at 8,402' MD. Perform mud motor volume/ back pressure test. Waited on daylight/ Waited on orders.
6:00	8:00	Ran in hole from 8,402' MD to 8,600' MD. Circulated and captured GWD survey on bottom. Oriented mill 140 deg Az. Tagged target well SS25 7" casing at 8,615.3' MD. Milled 2.5" and lost full returns.
8:00	12:00	Open 4" delivery line to bell nipple at 18 bpm. Pulled out of hole from 8,615' MD to 8,402' MD. Pumped 18 bpm into back side. Regained near full returns after 15 minutes (280 bbls lost). Closed in the well. Pumped 2-3 bpm through kill line filling TW SS25 with drilling mud until 155 psi was observed on RW 39A annulus. Total mud lost/pumped 505 bbls.
12:00	13:30	Stopped pumping and monitored both TW & RW. Both appeared to be "Static". Bled off possible trapped pressure. Opened 39A RW well up. Monitored RW P39A on trip tank. Pumped 1 bbl down drill string every 30 minutes. TW SS25 U-tube 21 bbls drilling mud back into RW P39A and stabilized.
13:30	19:00	Ran in hole from 8,402' MD to 8,615.3' MD. Captured GWD survey. Oriented mill 140 deg Az. Continued to mill 8" window in TW SS25 7" casing from 8,615.3' MD to 8,623' MD. This will allow for tubing to be ran in TW SS25.
19:00	0:00	Pulled out of hole from 8,623' MD to 8,402' MD. Circulated hole clean. Pulled out of hole from 8,402' MD to 1,322' MD. Midnight depth.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	11-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	12				
Wayne Courville	12				
Arash	12				

**Total Man-hours for Noted Date:**

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PUC Section 583, GO 66-D, and D.17-09-023**

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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	12-Feb-2016	<b>Well Name and Number:</b>	Porter #39A	<b>Report #</b>	60
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA 91326	<b>Region:</b>	California		
<b>Purchase Order#:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>	Todd Van de Putte, Mike Dozier	<b>Well Location:</b>	Alsio Canyon Storage Facility		
<b>Report Generated By:</b>	John Hatteberg	<b>Well Type:</b>	Relief Well		
<b>Lease - Well #:</b>	Porter 39A	<b>Job Type:</b>	Relief Well		
		<b>Rig No.:</b>	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		
<b>Estimated Daily Total</b>					

**Well Summary**

Hour	Hour	Activity on Site
0:00	2:00	Pulled out of hole from 1,322' MD to Milling BHA. Down loaded GWD/LWD tools. Stood back GWD.LWD tools, laid down mud motor and mill #1.
2:00	9:00	Rigged up 2-7/8" tubing handling tools. Ran in hole picking 10 joints 2-7/8" 7.9# PH6 tubing and 10' stinger with 45 deg cut off and 2.5 deg bend 48" from bottom to 324'. Rigged down tubing tongs. Rigged up 3-1/2" drill pipe handling tools. Ran in hole from 324' to 8,615'. Entered 7" liner top at 3,353' /w no issues. Pumped in hole from 8,615' MD to 8,809' MD and tagged top of fill there. Pulled up through SS25 7" window from 8,615' to 8,623' no problems. Tagged SS25 5-1/2" liner top at 8,681' MD. Picked up work string 10' Rotated pipe 1/2 turn. Traveled back down and entered 5-1/2" liner /w no issues. Pulled up from 8,809' MD to 8,705' MD.
9:00	18:00	Circulated and condition mud / monitored well on trip tank. Well taking 6 bph. Ran in hole from to 8,808' MD. Attempted to circulate (No returns observed). Picked back up to 8,709' MD. Attempted to circulate at 4 bpm (Circulation established). Ran in hole to 8,808' MD. Attempted to circulate at 4 bpm (Good circulation established).
18:00	0:00	Rigged up Halliburton cementers. Tested lines to 3800 psi. Pumped 40 bbls 8.9 ppg drilling mud at 4.2 bpm with 870 psi, followed by 17 bbls fresh water at 4.2 bpm with 900 psi, followed by 20 bbls 62 sacks of 14.8 ppg cement at 4.2 bpm with 730 psi, followed by 17 bbls fresh water at 4.2 bpm with 650 psi, followed by 59.8 bbls 8.9 ppg drilling mud at 4.2 bpm with 350 psi. CIP 18:45 hours. Picked up to 8,627' MD. Attempted to circulate at 2 - 4 bpm (Partial returns). Picked up to 8,000' MD. Attempted to circulate at 2 - 4 bpm (Partial returns) Picked up to 7,043' MD. Attempted to circulate at 2 - 4 bpm (Near full returns). Circulated bottoms up at 7,043' MD. Observed small amount of soft cement at surface. Pulled out of hole from 7,043' MD.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Goots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	12-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	12				
Wayne Courville	12				
Arash	12				

**Total Man-hours for Noted Date:**







**Confidential and Protected Materials Pursuant to  
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*This is an estimate only for the date listed on this sheet. This is not an invoice.*

<b>Date:</b>	14-Feb-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	113
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA. 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
HSE Specialist		Joe Kennedy (N/C)	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
0:00	Arrive on Site SS25. Strong wind from the north. Wellhead and crater stable & static. SITP = 1277 psi. Location secured
4:00	Arrive on Site SS25. Wind from the north. Wellhead and crater stable & static. SITP = 1272 psi. Location secured
5:30	Crew Change
6:30	Attend Operation Meeting
7:30	Arrive on Site SS25. SITP = 1270 psi.
8:00	SoCal, CPUC & DOGGR representative on site for inspection
8:15	Prepare to bleed tubing during cementing job. Install gauge in choke manifold. Open lo-torque to choke manifold.
8:30	Porter Ranch 39A announce retainer is set. Testing line
8:45	Begin cement job on PR39A. SITP = 1380 psi
9:00	Bleed tubing as instructed by cement team on PR39A
10:20	Cmt in place. Close lo-torque to choke manifold. SITP = 1365 psi
11:30	lunch
11:50	Return to Site SS25. SoCal, CalOSHA & LACFD on site to inspect bridge hand rails.
	CalOSHA led group up hill and to edge of 10 ft shear bank of unconsolidated class C Soil
	Boots & Coots pointed out to CalOSHA that this was an unsafe place to observe from
12:00	SITP = 1333 psi
12:30	SoCal and Western W/L representative on site to discuss W/L work
13:00	Bring crane to site and rig up
13:30	Western W/L eqpt on site, unload and spot. SITP = 1321 psi
14:45	Rig up e-line lubricator. SITP = 1314 psi
15:45	SITP = 1308 psi. Secure site of all personnel. No night crew.

**Projected Operations**

**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5	Joe Kennedy	10	0.5
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>84</b>



**Confidential Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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<b>Date:</b>	11-Feb-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	110
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA. 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
HSE Specialist		Joe Kennedy (N/C)	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
0:00	On Site SS25. Strong winds from the north. Wellhead stable and crater unchanged. SITP = 615 psi. Location secured.
4:00	On Site SS25. Moderate winds from the north. Wellhead stable and crater unchanged. SITP = 619 psi. Location secured
5:30	Crew change
6:00	Attend Operations Meeting
6:30	Attend Relief Well Operations Meeting
	Arrive on Site SS25. Wind from the north. Wellhead stable and crater unchanged. SITP = 616 psi
7:00	Radio Check w/ relief well. Start milling operation @ 8615' MD (Relief well) SITP = 615 psi
7:40	Mill to 8615.3' and well went on full losses. SITP dropped to 590 psi initially then began to climb
7:45	SITP = 660 psi. 2 min later SITP = 721 and crater quiet
7:55	SITP = 933 psi, well is quiet
8:00	SITP = 1060 psi
8:08	Relief well closed annular and pumped down kill line @ 2 BPM
8:35	SITP = 1378 psi
9:00	SITP = 1409 psi
9:50	SITP = 1424. Shut down pumping on relief well and observe reaction. SITP = 1414 psi
10:00	SoCal rep on site to discuss wireline operations
11:00	SoCal, LACFD and DOGGR reps on site for inspection
12:45	SoCal, LACFD and Fluor on site w/ FLIR camera to observe crater and hillside. SITP - 1366
13:30	Resume Milling operations on Relief Well. SITP = 1374 psi
15:15	SITP = 1384 psi. SoCal & Cal OSHA reps on site w/ discuss on how to make bridge safe as per CalOSHA regs. "Red Tagged" bridge
17:25	SITP = 1385 psi. Well is static, no flow, no activity in crater. Secure site, crew change. Monitor
17:50	B&C escorted SoCal and CalOSHA reps to Site SS25 (Dark - SS @ 17:33). Removed CalOSHA Red Tag from bridge. Location Secured
	Monitor thru NIGHT

**Projected Operations**

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**Approvals**

Signature Customer Representative	Print Name	Date
	Mike Dozier	
Signature Boots and Coots Representative	Print Name	Date
	Jim LaGrone	

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5	Joe Kennedy	10	0.5
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>84</b>



**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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<b>Date:</b>	12-Feb-2016	<b>Well Name and Number:</b>	Standard Sesnon 25	<b>Report #</b>	111
<b>Customer Name:</b>	Southern California Gas Company	<b>County:</b>	Los Angeles		
<b>Customer Billing Address:</b>	12801 Tampa Ave., SC 9328 Northridge, CA. 91326	<b>State:</b>	California		
<b>AFE #:</b>		<b>Country:</b>	USA		
<b>Customer Representative:</b>		<b>Well Location:</b>	Aliso Canyon Storage Facility		
<b>Report Generated By:</b>	Jim LaGrone	<b>Well Type:</b>	Gas		
<b>Lease - Well #:</b>	Standard Sesnon 25	<b>Job Type:</b>	Well Control		
		<b>Rig No:</b>	N/A		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Sr. Well Control Specialist	4	Richard Hatteberg	1		
Well Control Specialist	4	Travis Martel	1		
HSE Specialist	4	Mike Baggett	1		
Sr. Well Control Engineer	4	Jim LaGrone	1		
Sr. Well Control Engineer	4	Rolly Gomez	1		
Sr. Well Control Specialist	4	Juan Moran	1		
Sr. Well Control Specialist	4	Bud Curtis	1		
HSE Specialist		Joe Kennedy (N/C)	1		
General Daily Expense	1		7		
Hotel			7		
Equipment		Junk Shot Manifold Stby	1		
Rental Cars			3		
<b>Estimated Daily Total</b>					

Standard Sesnon 25 has broached to surface with several fissures on pad site.  
11-3/4" casing to 990 ft. 7" casing to 8,585 ft. 5-1/2" slotted liner to 8,745 ft. 2-7/8" tubing to 8,510 ft. Packer depth 8,468 ft.

Hour	Activity on Site
0:00	On Site SS25. Strong winds from the north. Wellhead stable and crater unchanged. SITP = 1363 psi. Location secured.
4:00	On Site SS25. Winds from the north. Wellhead stable and crater unchanged. SITP = 1344 psi. Location secured.
5:30	Crew change
6:30	Attend Operation Meeting
7:00	Attend Relief Well Operations Meeting
7:30	Arrive on Site SS25. SITP = 1335 psi
7:45	SoCal and DOGGR representatives on Site SS25 for inspection C-PUC and CalOSHA on site to discuss bridge handrails
8:00	Porter Ranch 39A Relief Well has run stinger into SS25 well. SITP = 1351 psi
8:15	Porter Ranch 39A reports that 2-7/8" stinger is inside of 5-1/2" liner. SITP = 1352
8:37	Relief well tagged bottom of SS25 @ 8809 ft MD
10:00	SS25 SITP = 1354 psi
11:30	Lunch
12:30	Return to Site SS25. Well/Crater static. SITP = 1319 psi Wait on C-PUC representatives before beginning dirt work to place anchor for handrails.
14:00	Finish setting K-Rail anchor. SoCal representatives on site with thermal imaging group (FLIR)
15:00	SITP = 1325 psi
16:00	SITP = 1345 psi
16:30	Secure Site SS25 and crew change with night crew. Continue to monitor well periodically throughout night.

<b>Projected Operations</b>	

Approvals			
Signature Customer Representative	Print Name	Date	
	Mike Dozier		
Signature Boots and Coots Representative	Print Name	Date	
	Jim LaGrone		

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
Richard Hatteberg	10	0.5	Jim LaGrone	10	0.5
Travis Martel	10	0.5	Rolly Gomez	10	0.5
Juan Moran	10	0.5	Joe Kennedy	10	0.5
Bud Curtis	10	0.5			
Mike Baggett	10	0.5			
<b>Total Man-hours for Noted Date:</b>					<b>84</b>





**Confidential and Protected Materials Pursuant to  
PUC Section 583, GO 66-D, and D.17-09-023**

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**Boots & Coots**  
A HALLIBURTON SERVICE

*This is an estimate only for the date listed on this sheet. This is not an invoice.*

Date:	14-Feb-2016	Well Name and Number:	Porter #39A	Report #	62
Customer Name:	Southern California Gas Company	County:	Los Angeles		
Customer Billing Address:	12801 Tampa Ave., SC 9328 Northridge, CA 91326	Region:	California		
Purchase Order#:		Country:	USA		
Customer Representative:	Todd Van de Putte, Mike Dozier	Well Location:	Alsio Canyon Storage Facility		
Report Generated By:	John Hatteberg	Well Type:	Relief Well		
Lease - Well #:	Porter 39A	Job Type:	Relief Well		
		Rig No:	Ensign 587		

Description of Charges:	Level	Comments	Units	Unit Charge	Total
Well Control Engineer	3	John Hatteberg	1		
Well Control Engineer	3	Wayne Courville	1		
Well Control Engineer	2	Arash Haghshenas	0		
General Daily Expenses		JH/WC	2		
Hotel		JH/WC	2		
Rental Car		JH	1		
Rental Car		WC	1		

**Estimated Daily Total**

**Well Summary**

Hour	Hour	Activity on Site
0:00	4:00	Continued to pull out of hole. Rigged up 2-7/8" handling tools. Laid down 10 joints 2-7/8" tubing. Rigged down 2-7/8" handling tools. Serviced rig equipment.
4:00	8:00	Made up Halliburton's 7" cement retainer. Ran in hole to 8,300'. Set 7" retainer at 8,298'.
8:00	11:00	Closed annular and tested retainer 1000 psi for 10 minutes. Un-stung from retainer and circulated above retainer while conducting safety meeting with cementer's. Re-stung into retainer. Applied 20k down weight. Closed annular and applied 500 psi to back side.
11:00	12:00	Pressure tested cementing lines 4,115 psi for 5 minutes. Pumped 17 bbls water ahead at 4 bpm with 824 psi, followed by 131 sacks (42 bbls) 14.8 ppg slurry at 4 bpm 855 psi start and 4 bpm with 450 psi final. Displaced cement with 17 bbls water behind at 4 bpm 380 psi, follow by 66 bbls 8.9 ppg drilling mud at 4 bpm with 180 psi start and .5 bpm 375 psi final.
12:00	0:00	Bleed pressure off back side and opened annular. Un-stung from retainer. Circulated bottom up just above retainer at 8,298'. Observed small amount of cement at bottoms up. Waited on cement.

**Projected Operations**

**Approvals**

<b>Signature Customer Representative</b>	<b>Print Name</b>	<b>Date</b>
	Todd Van de Putte	
<b>Signature Boots and Coots Representative</b>	<b>Print Name</b>	<b>Date</b>
	John Hatteberg	14-Feb-16

Employee Name	Hours on Location	Travel Hours	Employee Name	Hours on Location	Travel Hours
John Hatteberg	8				
Wayne Courville	8				
Arash	8				

**Total Man-hours for Noted Date:**























