

SED-304

Interoffice Correspondence:

FF-34A Casing Corrosion, Aliso Canyon

I.19-06-016

ALJs: Hecht/Poirier

Date Served: May 6, 2021

FF-34A
History
FILE



TO P. D. Yu
M. E. Melton FROM R. L. Adamczyk DATE August 20, 1991
SUBJECT FF-34A Casing Corrosion, Aliso Canyon

It is recommended that FF-34A be equipped with cathodic protection (CP). CP can prevent further external casing corrosion. Chuck Skelton, Cathodic Protection Staff Engineer, has estimated the cost of CP for FF-34A at approximately \$25,000 to \$30,000. Annual O & M expenses are estimated at \$400.

A meeting was held to exchange information on July 25, 1991, at Aliso Canyon. Schlumberger casing inspection and casing potential logs run in FF-34A during its workover, casing corrosion, and cathodic protection were discussed.

The FF-34A casing inspection (electromagnetic thickness) log showed severe metal loss at 2104' ELM, and shallow (1000' to 3000' ELM) metal loss which averaged approximately 15%. The FF-34A casing potential (corrosion and protection evaluation) log showed several anodic intervals (opposite the 8-5/8" casing), which demonstrates a need for CP. The cost of CP is minor when compared to the cost (\$400,000+) of a workover should leakage problems develop in the future.

If funds are available, the Division should equip FF-34A with CP as soon as is operationally feasible.

The possible regional external casing corrosion problem in the southeastern portion of the field will be further studied and a report issued. Additional investigation of well histories and well logs is required before a recommendation can be made as to whether regional CP is necessary. While casing inspection logs show shallow (1000' to 3000' ELM), casing metal loss in FF-35C, MA-1A and MA-5A, there is not enough evidence to substantiate a regional corrosion problem.

If you have any questions, please advise.

RLA:ll

- cc: R. M. Dowell
R. L. Patterson
W. T. Scott
R. C. Skelton
Well History File