

AMERADA HESS CORPORATION

P. O. DRAWER "D"
MONUMENT, NEW MEXICO 88265

September 30, 1986

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

ATTN: MR. JERRY SEXTON

RE: STATE "O" #4-A 30-19-37

Mr. Sexton:

Based on your approval for an exception to make repairs on the State O #4 during our phone conversation on September 25, 1986, we have suspended plans to bradenhead squeeze the surface casing. On September 24, 1986 AHC representatives attempted to establish an injection rate down the surface casing annulus. The surface casing annulus was found to have only slight pressure and no liquid flow, when opened to the atmosphere. The surface casing was then pressurized to 1000 psig and observed for a fifteen minute period. During this period no pressure loss was observed. The intermediate casing annulus was found to have 480 psig and flowed approximately one barrel of brine water with a trace of oil. The flow lasted approximately one minute and the pressure decreased to 0 psig. The intermediate casing was then shut-in and the pressure was found to build to 165 psig in 3½ hours, 165 psig in 19 hours, and 180 psig in 48 hours. Finally, the 480 psig reading was taken with a gauge supplied by a contractor. All other pressures were taken later with a new pressure gauge. The pressure gauge supplied by the contractor was compared with the new gauge on September 29, 1986 and found to read 120 psig too high. As a result, the original static pressure was actually 360 psig.

Thank you for your assistance in this matter.

Eric Haas

Eric Haas

Petroleum Engineer

XC: File
S. Small
G. Greer

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OCT 28 1986
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