

ROBERT P. McCULLOCH, PRESIDENT



McCULLOCH OIL CORPORATION OF CALIFORNIA

BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING
6151 WEST CENTURY BOULEVARD • LOS ANGELES, CALIFORNIA 90045 • TELEPHONES: 776-1151 • 645-4280

924 Vaughn Building, Midland, Texas 79701

August 26, 1966

State of New Mexico - Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Re: McCulloch Oil - Aztec #2 Well
P-35-30N-14W, San Juan Co., N. M.

Gentlemen:

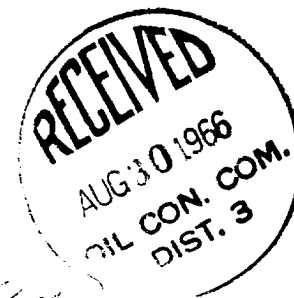
Regarding your letter of 8/23/66, wherein you suspected a casing failure in subject well because of radical change in deliverability, the following remedial work was performed:

- 7/22/65: Rigged up unit & pumped 22 bbls water down tubing to make sure tubing not plugged prior to running choke. At 22 bbls got circulation out casing. Returns were salty water. Pulled tubing. Junk basket went to 5745' (top perfs) before stopping. Ran casing inspection log, showed corrosion on casing opposite Mesaverde formation.
- 7/23/65: Set Baker Model HC Cast Iron top drillable bridge plug at 5720'. Ran Baker retrievable packer on tubing & set @ 3272'. Tested casing & bridge plug below packer w/2100#, held 10" OK. Tested above packer & pumped in at rate of 2 bbls/min. @ 800 psi. Located hole in casing between 3069' & 3097'. Set packer @ 2806' & squeezed hole w/150 sxs Class "C" Cement. Minimum squeeze pressure 250 psi; maximum & final squeeze pressure 1600 psi. Held pressure 3 hours. Squeezed off Fruitland gas through bradenhead valve w/100 sacks Class "C" Cement.
- 7/24-31/65: Went in hole w/3 7/8" bit & drilled cement from 2910' to 3030'. Blew out water with gas down to bridge plug @ 5720'. Drilled bridge plug @ 5720'.
- 8/11-10/1/65: Jetting salt water from well using purchased gas. Well dead.
- 10/10/65: Treated well w/500 gallons alcohol-soap. Shut-in one day. Blew well to atmosphere one day. S-I one day. S-I pressure 700#. Blew well one day. S-I one day. SIP - 900#. Started flowing to line @ 25 MCFPD. Blew to atmosphere & turned back into line.
- 11/15/65: Re-treated well w/500 gallons alcohol-soap solution. Well produced 35-90 MCF after treatment.
- 1/17/66: Pulled tubing and ran packer to 5653'.
- 8/1/66: Well now producing average of 40 MCFPD.

Please advise if additional information is required.

Yours very truly,

Earl R. Bruno
Earl R. Bruno, District Manager



ERB:lm

cc: Mr. Thomas A. Dugan