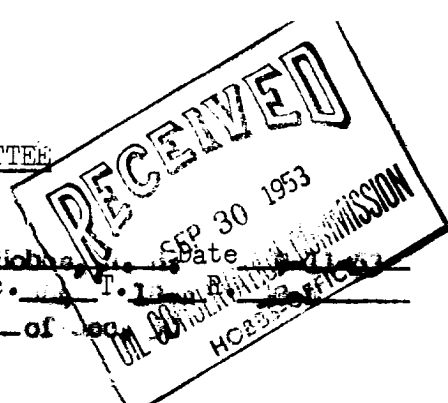


WELL REMEDIAL REPORT
N. M. OIL & GAS ENGINEERING COMMITTEE



Company Humble Oil & Refining Co. Address 1117 Hobbs Date SEP 30 1953
Lease Federal No. 1 Well No. 2 Unit 1 Sec. 1 T. 1 R. 1
FOOL: Hobbs of Sec. 1

NATURE OF WORKOVER:

Drill Deeper Cement Plugback Plastic Plugback Set Liner
Cement Squeeze Plastic Squeeze Set Pack Acidize Shoot
Locate and eliminate the fluid flow into the cellar.

FOR PURPOSE OF:

Increase production, Oil Gas Shut Off Water Shut off Gas

DATE:

Workover Started: 8-3-53 Completed: 8-24-53

WELL DATA:

~~Surface~~ Elev. IF 3654 Completion Date 8-1-53 Prod. Formation 41m

Oil String 5-1/2 inch pipe set at 4238.

Depth of hole before 4238 After 4238.

Formation packer set at with perforations above below

 inch liner set. Top Bottom Cemented with sax,

and perforated with holes from to .

Section squeezed from to with sacks cement or

 gallons plastic. Maximum pressure used P. S. I.

INSTRUMENT RUN IN CONJUNCTION WITH OR PRIOR TO WORKOVER:

Temperature bomb Electric Log Dowell Pilot Gamma Ray

Water Witch Hole Caliper Dia-Log Other

Delta Log X Temperature Survey X Potential Survey X

RESULTS DETAIL:

	BEFORE	AFTER
Oil production Bbls./day	<u> </u>	<u> </u>
Water production Bbls./day	<u> </u>	<u> </u>
Gas production M.C.F./day	<u> </u>	<u> </u>
Gas-Oil Ratio	<u> </u>	<u> </u>

Remarks: The oil flow was found to be from a 1/2 inch valve in the casing head of the surface casing. 2468 barrels water was pumped through tubing into formation with no increase in flow from surface. Perforated casing at 3976' w/4 jet shots. Jet Biter bridging plug at 3795'. 5 1/2" casing perforated 3677-3678' w/4 alex jet shots. Baker & T tool set on 2" tubing at 3610 feet, and 90 barrels water injected into formation, with no effect on production from surface casing. Perforations from 3677-3678 were success cemented in three stages of 50, 100 and 100 sacks, 70 of the last 100 were circulated out. Perforations at 3976 were squeezed w/40 sacks cement, 37 sacks of which were reversed out. Baker Model "D" production packer set at 4200' on wire line.

[illegible][illegible]

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