

WELL REMEDIAL REPORT
MEXICO OIL & GAS ENGINEERING CO., MITTEE
BOX 127 HOBBS, NEW MEXICO

Company Humble Oil & Refining Co. Address Box 2347, Hobbs, NM Date 3-4-54
Lease New Mexico State 3 a/c 4 Well # 13 Unit 2 Sec. 2 T. 23N R. 7E Pct. 100%

NATURE OF WORKOVER

Drill Deeper Cement plugback Plastic plugback Set Liner Dual Comp.
Cement squeeze Plastic squeeze Set Packer Acidize Shoot

FOR PURPOSE OF

Increase production, Oil Gas Shut off water Shut off gas

RESULTS SUMMARY

Complete success Partial success Failure

DATE

Workover started 2-23-54 Completed 3-4-54

WELL DATA

D.F. elev. 3972 Completion date 1-12-47 Prod. formation Tubb

Oil String 5 1/2 inch pipe set at 6394

Depth of hole before 6235 1/2 After 6235 1/2

Formation packer set at with perforations above below

 inch liner set. Top Bottom Cemented w. sax,

and perforated with holes from to

Section squeezed from to with sacks cement or

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

INSTRUMENTS RUN IN CONJUNCTION WITH OR PRIOR TO WORKOVER

Temperature bomb Electric log Dowell pilot Gamma ray

Water witch Hole Caliper Dia-log Other

RESULTS DETAIL

	BEFORE	AFTER	
Oil production Bbls./day	<u>17.10</u>	<u>24.47</u>	
Water Production Bbls./day	<u>0</u>	<u>0</u>	
Gas Production M.C.F./day	<u>200.8</u>	<u>450.7</u>	<u>2840</u>
Gas oil ratio	<u>11.73</u>	<u>87%</u>	

REMARKS: Perforated 6110-6160, 6090-6095, 6020-6040 and 5960-6000' with 2 jet shots
per foot, Perforating Guns Atlas Corp., 290 shots. Washed perforations with 500 gallons
Western mud acid. Loaded hole with oil and treated perforations with 3000 gallons
Western 1 1/2% L. T. acid. Max. and min. casing pressures 2350 and 2100'.