

WELL REMEDIAL REPORT
NEW MEXICO OIL & GAS ENGINEERING COMMITTEE
BOX 127 HOBBS, NEW MEXICO

Company Humble Oil & Refining Co. Address Box 2347, Hobbs, N.M. Date 1-21-52
Lease Federal Bowers "A" Well # 14 Unit Sec. 29 T. 18 S. 38E Pool Bowers

NATURE OF WORKOVER

Drill Deeper ☒ Cement plugback ☐ Plastic plugback ☐ Set Liner ☐
Cement squeeze ☐ Plastic squeeze ☐ Set Packer ☐ Acidize ☐ Shoot ☐ Hydrafrac ☒

FOR PURPOSE OF

Increase production, Oil ☒ Gas ☐ Shut off water ☐ Shut off gas ☐

RESULTS SUMMARY

Complete success ☒ Partial success ☐ Failure ☐

DATE

Workover started 10-23-51 Completed 11-6-51

WELL DATA

D.F. elev. 3648 Completion date 11-14-49 Prod. formation Bowers Sand

Oil String 5 1/2 inch pipe set at 3120

Depth of hole before 3168* After 3207 *Corrected from 3171'

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>1.38</u>	<u>11.73</u>
Water Production Bbls./day	<u> </u>	<u> </u>
Gas Production M.C.F./day	<u>28.14</u>	<u>33.30</u>
Gas oil ratio	<u>20,391</u>	<u>2839</u>

REMARKS: Well was deepened 39 feet into the lower pay of the Bowers Sand by using
reverse circulation. After testing the well was treated with a 2 batch Hydrafrac
treatment (1500) gals covering both pays (3162 to 3171 and 3197 to 3207 feet). The
well failed to produce following the workover and subsequent minor work of filling
hole with water & treating compound resulted in the well being able to produce.

