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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1103)

SEP 30 3 13 PM '63

Name of Company	Address
Humble Oil & Refining Company	Box 2100, Hobbs, New Mexico 88240

Lease	Well No.	Unit Letter	Section	Township	Range
New Mexico State BM	2	I	2	-25-S	37-E

Date Work Performed	Pool	County
7-11,9-17-63	North Justis Tubb Drinkard	Lea

THIS IS A REPORT OF: *(Check appropriate block)*

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other *(Explain)*:

☐ Plugging ☒ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

1. Move in and Rig up contract unit. Pulled rods and pumps from both Drinkard and Ellenburger formation.
2. Ran Radio Active Survey in Drinkard, found fluid entering perfs 6055,6062,6068 and going down hole behind pipe and entering formation at 6070-85.
3. Pulled Ellenburger tbg.
4. Set CI bridge plug at 6045.
5. Perforated 2-7/8" csg at 5897,5901,5907,5913,5921,5928,5932,5955,5976,6014,6017 and 6032 with one jet shot per depth.
6. Swabbed well dry.
7. Treated above perfs w/15,000 gals NE acid. Dropped one seal ball every 1000 gals of acid. Used 11 ball sealers, flushed w/36 bbls lse crude and overflushed w/12 bbls lse crude. Average injection rate of 6.2 BPM. Maximum pressure 5400#, minimum pressure 3000#. Treatment by BJ Service.
8. Flowed, died and swabbed.
9. Recovered acid and Load oil.
10. Well died (Continued on Attached Sheet)

Witnessed by	Position	Company
S. B. Carlson	Field Supt.	Humble Oil & Refining Co.

FILL IN BELOW FOR REMEDIAL WORK REPORTS *ONLY*

ORIGINAL WELL DATA

D F Elev.	T D	PBTD	Producing Interval	Completion Date
3134	8480	7489	6055,6062,6068	5-21-62

Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Tubingless	-	2-7/8"	7490

Perforated Interval(s): 6055, 6062, 6068

Open Hole Interval	Producing Formation(s)
-	Drinkard

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	4-1-63	7.2	24.6	7.2	3410	-
After Workover	9-19-63	12	46	35	3500	-

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by

Name

Title

Position: Agent

Date: OCT 1 1963

Company: Humble Oil & Refining Company

11. Ran Ellenburger tubing, pump and rods.
12. Ran Drinkard pump and rods.
13. Released unit.
14. Started well pumping, well failed, respaced and set pump.
15. Put well to pumping.
16. Moved in company unit, pulled rods and pump.
17. Reran rods and pump, placed well to pumping.
18. On pumping test for 13 days.
19. Moved in contract unit, pulled rods and pump, installed Baker hold down on pump, ran same and started well pumping test.
20. Pressure tested casing and Baker Holddown with 1200# water pressure for 15 minutes - OK. Pulled rods and pump, replaced pump with a ratio compound pump, ran same and started well pumping. Released unit.
21. Move in contract unit, pulled rods and pump, ran Western Co. radioactive tracer survey. Survey indicated fluid to be moving outside the casing and down the casing taking water on a vacuum. No fluid moving by the bridge plug at 6045.
22. Rig up Halliburton and squeeze perforation 5897 through 6032 with 75 sacks regular cement with 1% Halad 9. Squeeze job failed, waited 6 hours, repeated cement squeeze job using same amounts. Job failed again, attempted to pump more cement in, but drill pipe plugged up, replaced plugged drill pipe and set a squeeze tool back into retainer. Squeezed perforations 5897 through 6032 with 50 sacks regular cement with 1% Halad 9. Job - OK. Drilled squeeze tool and cement out to 6026. (measurement by wire line)
23. Pulled rods out of Ellenburger.
24. Swabbed Drinkard dry.
25. Western Co. put 15 barrels acetic acid in 2-7/8" casing (Drinkard).
26. Moved in contract unit, reversed acid out of casing, drilled cement from 6016 to 6044. Test squeeze job - OK. Swabbed dry, put acetic acid back in hole, released unit.
27. Perforated 2-7/8" casing at 5897,5901,5907,5913,5921,5928,5932,5955,5976,6014, 6017 and 6032 with one jet shot per depth.
28. Loaded casing with lease crude, pressured up and formation took the acid.
29. Moved in contract unit. Swabbed well dry.
30. Western Co. treated with 15,000 gallons 15% NE acid with one ball sealer per 1000 gallons acid, used 15 ball sealers. Average injection rate of 3.5 BPM, maximum pressure 3300#, minimum pressure 1200#.
31. Swabbed well, recovering load oil and acid.
32. Recovered all load oil. Testing.
33. Ran rods and pump in both Ellenburger and Drinkard, started well pumping, didn't pump properly, pulled pump & holddown, replaced both, started well pumping.
34. Completed as a pumping oil well.

Supplemental Page to workover on New Mexico State BM (Drinkard) Well #2.