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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 1106)

Name of Company Shell Oil Company		Address P. O. Box 1353, Roswell, New Mexico	
Lease McKinley A	Well No. 5	Unit Letter I	Section 19
Township 1 S		Range 3 E	
Date Work Performed 4-25-62 thru 7-20-62	Pool Jobbs	County 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. Pulled rods, pump and tubing.
2. Drilled 4210' - 4237' with 6 1/4" bit. Cemented 4 1/2" liner 3950' - 4237' w/70 ex. Class A + 4% gel.
3. Drilled open hole 4237' - 4270'.
4. Ran 15 ts. (471') 2" tubing & 122 ts (3776') 2 1/2" tubing and pump at 4260'; Sweet SP-200 packer at 3629'; Seating Nipple at 4255'.
5. Treated open hole interval 4237' - 4270' w/500 gallons 15% MEC.
6. Swabbed 1 BP cut 15% water.
7. Treated w/4000 gallons 15% NSA.
8. Swabbed 8% water.
9. Pulled tubing and packer.
10. Plugged back open hole to 4240'.
11. Ran FBRC on 2" & 2 1/2" tubing and set at 4170', pressured annulus to 1000 psi. Pumped 75 ex. Class A cement w/4% gel in formation. After WOC 12 hours squeezed 75 ex. Class A w/4% gel behind liner w/pressure up to 5150 psi, held pressure 5 minutes, no bleed off.

(Continued on back of page)

Witnessed by H. B. Leach	Position Production Foreman	Company Shell Oil Company
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev. 3650'	T D 4210'	P B T D -	Producing Interval 3970' - 4210'	Completion Date 11-11-30
Tubing Diameter 2 1/2"	Tubing Depth	Oil String Diameter 7"	Oil String Depth 3970'	

Perforated Interval(s)
-

Open Hole Interval 3970' - 4210'	Producing Formation(s) Grayburg/San Andres
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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	2-13-62	15	20.0	923	1333	-
After Workover	7-20-62	1	not measured	167	not measured	-

OIL CONSERVATION COMMISSION

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

Approved by	Name R. A. Lowery	Original Signed By R. A. LOWERY
Title	Position District Exploitation Engineer	
Date	Company Shell Oil Company	

12. Ran bit on 2 and 2 1/2 tubing, drilled thru cement to 1' below shoe. Pressure tested to 1000 psi/10 minutes/OK. Drilled and washed sand to 4270'. Pulled tubing & bit.
13. Ran 15 lbs. (471') 2", SUB, 600 lbs and 122 lbs. (3732') 2 1/2", SUB, 600 lbs and tubing w/ 2 tubing open ended, tubing perforations 4263' - 4267'; 21 seating nipple at 4261'; 4 1/2" packer at 3955'; 4 1/2" hydraulic node down at 3954'.
14. Treated w/500 gallons HCl acid followed by 3500 gallons 15% HVA.
15. Ran pump and rods.
16. In 6 hours pumped 3 HO + 312 BW w/13-64" SHM.
17. Pulled rods, pump and tubing.
18. Ran Lynes packer on 2" tubing (468') and 3743' of 2 1/2" tubing w/2 BF on bottom; perforations 4267' - 4270'; 13' of 2" subs under packer; Lynes 3 1/2" production packer at 4250', seating nipple at 4251'.
19. Treated w/2000 gallons 15% HVA.
20. Ran pump and rods.
21. Pumped an average of 3 HO + 14 BW w/13 1/2-64" SHM.
22. Pulled pump, rods, and tubing.
23. Ran 124 lbs. (3130') 2 1/2" tubing and pump at 3401' (Lynes gas anchor 305' - 2 1/2" seating nipple at 3004').
24. Treated w/250 gallons 15% HVA followed by 21 HIC.
25. Pumped dry.
26. Treated formation w/2000 gallons 15% HVA.
27. Ran pump and rods.
28. Did not recover lost.
29. In 24 hours pumped 1 HO + 167 BW w/13 1/2-64" SHM.
30. Shut in.

Attempted to bleed back pressure, no bleed back. Reversed out 35 ex. cement.