

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☒	GAS WELL ☐	DRY ☐	Other ☐		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐
2. NAME OF OPERATOR Shell Oil Company						5. LEASE DESIGNATION AND SERIAL NO. M-0309375	
3. ADDRESS OF OPERATOR P. O. Box 1858, Roswell, New Mexico 88201						6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FNL & 660' FNL, Section 31, T-19-S, R-32-E, NMPM Survey, Lea County, New Mexico At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME -	
14. PERMIT NO.						8. FARM OR LEASE NAME Middleton-Federal A	
DATE ISSUED						9. WELL NO. 3	
15. DATE SPUDDED 4-26-64						10. FIELD AND POOL, OR WILDCAT Insk-Strawn	
16. DATE T.D. REACHED 5-31-64						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 31, T-19-S, R-32-E, NMPM	
17. DATE COMPL. (Ready to prod.) 6-7-64						12. COUNTY OR PARISH Lea	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3557' DF						13. STATE New Mexico	
19. ELEV. CASINGHEAD -						20. TOTAL DEPTH, MD & TVD 11,385'	
21. PLUG, BACK T.D., MD & TVD 11,355'						22. IF MULTIPLE COMPL., HOW MANY* -	
23. INTERVALS DRILLED BY →						ROTARY TOOLS 0-11,385'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11,199'-11,250' Strawn						CABLE TOOLS -	
25. WAS DIRECTIONAL SURVEY MADE No						26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray/Sonic, Dual Induction Laterolog, Proximity-Microlog	
27. WAS WELL CORED No						28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
13 3/8"	48#	896'	17 1/2"	450 sz			
8 5/8"	32#	3706'	11"	400 sz			
4 1/2"	10.5# & 11.6#	11,385'	7 7/8"	750 sz			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	11,098'	10,850'
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
11,199'-11,219' (20' - 21 holes)				DEPTH INTERVAL (MD)			
11,226'-11,238' (12' - 13 holes)				11,199'-11,250'			
11,240'-11,250' (10' - 11 holes)				AMOUNT AND KIND OF MATERIAL USED			
				500 gallons 15% MCA			
33.* PRODUCTION							
DATE FIRST PRODUCTION June 7, 1964		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 6-7-64	HOURS TESTED 19 1/2	CHOKE SIZE 14/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 342	GAS—MCF. 620.4	WATER—BBL. 0	GAS-OIL RATIO 1814
FLOW. TUBING PRESS. 1575-1700	CASING PRESSURE pkf.	CALCULATED 24-HOUR RATE →	OIL—BBL. 421	GAS—MCF. 763.7	WATER—BBL. 0	OIL GRAVITY-API (CORR.) 48.5 degrees	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY H. G. Starling	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
Original Signed By: V. L. KING				Acting District Exploitation Engineer		DATE 6-11-64	
SIGNED V. L. King							

(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Seven Rivers	3176'	3700'	Seven Rivers Reef - Lost circulation while drilling - Constante Salt Water	Base Red Beds	844'		(+2713')
Des Moines (Strawn)	11,199'	11,250'	Oil - DST #1: 11,175'-11,380' (205' Des Moines). Tool open 2 hours 20 minutes thru 5/8" BC, various TC, 4" DP with strong blow. Opened on 1" choke. OTS 3 minutes. MTS 10 minutes. OTS 15 minutes. In 20 minutes turned into separator. First hour flowed 28 BO thru 16/64" choke. FSP 1525 psi. GOR 2200. Second hour flowed 39 BO thru 24/64" choke. FSP 1400 psi. GOR 2300. Gravity 48. Shut in for final SIP and bled off 15 BO. Reversed out 35 BO (total oil recovered during 2 hour, 20 minute test - 118 barrels). Recovered 30' mud below circulating sub. 50 Mins. LUBHP 4353 psi. FP 1754-3567 psi. 60 Mins. PSIBHP 4353 psi. FMP 5482 psi. Recovered mud titrated 2000 ppm Cl ⁻ . Pit mud titrated 800 ppm Cl ⁻ . <u>Conclusive test (Arrow). (Actual Porous Interval determined from Log Analysis.)</u>	Yates Bonne Spring Wolfcamp Des Moines Atoka	2626' 7180' 10,400' 11,081' 11,346'		{ + 931' { -3623' { -6843' { -7524' { -7789'