

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION

SUBMIT IN DUPLICATE
Drawer DD (See back in-
structions on
reverse side)
ALBUQUERQUE, NM 88210Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		1. LEASE DESIGNATION AND SERIAL NO. NM-36643																			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																			
2. NAME OF OPERATOR Mesa Petroleum Co. /		7. UNIT AGREEMENT NAME																			
3. ADDRESS OF OPERATOR 1000 Vaughn Bldg. / Midland, Texas 79701-4493		8. FARM OR LEASE NAME Rock Federal																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 1980' FEL At top prod. interval reported below Same At total depth Same		9. WELL NO. 3																			
14. PERMIT NO. O. C. D. ARTESIA OFFICE DATE ISSUED 3/14/80		10. FIELD AND POOL, OR WILDCAT Undesignated Abo																			
15. DATE SPUDDED 6/27/81		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 6, T8S, R23E																			
16. DATE T.D. REACHED 7/1/81		12. COUNTY OR PARISH Chaves																			
17. DATE COMPL. (Ready to prod.) 8/27/81		13. STATE New Mexico																			
18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 4100.3' GR		19. ELEV. CASINGHEAD 4100'																			
20. TOTAL DEPTH, MD & TVD 3582'		21. PLUG, BACK T.D., MD & TVD 3497'																			
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2805'---3471', Abo		25. WAS DIRECTIONAL SURVEY MADE No																			
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CLL / GR-CNL-FDC		27. WAS WELL CORED No																			
28. CASING RECORD (Report all strings set in well)																					
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8-5/8"</td><td>24#</td><td>1428'</td><td>12-1/4"</td><td>600 LT/300 Thixset/200"C</td><td>600 Thixset</td></tr><tr><td>4-1/2"</td><td>10.5#</td><td>3582'</td><td>7-7/8"</td><td>650 LT/350 Pozmix</td><td></td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8-5/8"	24#	1428'	12-1/4"	600 LT/300 Thixset/200"C	600 Thixset	4-1/2"	10.5#	3582'	7-7/8"	650 LT/350 Pozmix	
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29. LINER RECORD																					
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31. PERFORATION RECORD (Interval, size and number)																					
3166', 68', 79', 3213', 19', 40', 3309', 3405', 07', 09', 3453', 3471'; 12 holes; 3-1/8" csg gun 1 JSPF 2805, 20, 22, 23, 37, 56, 62, 2918, 19, 29-33, 2949, 51, 67-69, 2983, 85; 21 holes																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
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33. PRODUCTION																					
DATE FIRST PRODUCTION -																					
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing																					
WELL STATUS (Producing or shut-in) Shut-In																					
DATE OF TEST 8-27-81																					
HOURS TESTED 4																					
CHOKE SIZE -																					
PROD'N. FOR TEST PERIOD -																					
OIL—BBL. -																					
GAS—MCF. 145																					
WATER—BBL. -																					
GAS-OIL RATIO -																					
FLOW. TUBING PRESS. 770																					
CASING PRESSURE 770																					
CALCULATED 24-HOUR RATE -																					
OIL—BBL. -																					
GAS—MCF. 582																					
WATER—BBL. -																					
OIL GRAVITY-API (°API) -																					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented																					
TEST WITNESSED BY E.L. Buttross, Jr.																					
35. LIST OF ATTACHMENTS C-122, Record of Inclination																					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																					
SIGNED R. P. Math																					
TITLE Regulatory Coordinator																					
DATE 9-16-81																					

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

XC: USGS(6), TLS, CEN RCDS, ACCTG, MEC, LAND, D&M, EEB, LCM, CTT, PARTNERS, REM, K, TW, ROSWELL, FILE

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 33, 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 33.

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: "Sacks 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	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
NOT LOGGED			Glorieta	478	
			Yeso	658	
			Tubb	2082	
			Abo	2758	

MESA PETROLEUM CO.
ROCK FEDERAL #3
1980' FSL & 1980' FEL, SEC 6, T8S, R23E
CHAVES COUNTY, NEW MEXICO

RECORD OF INLCINATION

<u>(DEPTH)</u>	<u>(DEVIATION)</u>
590'	1/2°
1054'	3/4°
1428'	3/4°
1906'	1/2°
2374'	1/2°
2837'	1/2°
3363'	1/4°


BY: R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 17th day of September, 1981.


Notary Public in and for Midland County,
Texas.

Commission Expires: 6-26-85