

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 _____		5. LEASE DESIGNATION AND SERIAL NO. NM 16464																			
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 J. Gregory Merrion & Robert L. Bayless		7. UNIT AGREEMENT NAME																			
3. ADDRESS OF OPERATOR P.O. Box 507, Farmington, NM 87401		8. FARM OR LEASE NAME Crow Mesa																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 FSL and 1830 FWL At top prod. interval reported below At total depth Same		9. WELL NO. 2																			
14. PERMIT NO.		13. STATE NM																			
DATE ISSUED		10. FIELD AND POOL, OR WILDCAT Ballard Picture Cliff																			
15. DATE SPUDDED 8/23/77		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, T25N, R8W																			
16. DATE T.D. REACHED 9/2/77		12. COUNTY OR PARISH San Juan																			
17. DATE COMPL. (Ready to prod.) Dry Hole		13. STATE NM																			
18. ELEVATIONS (DF, RES, BT, GR, ETC.)* 7237 G.R.		19. ELEV. CASINGHEAD																			
20. TOTAL DEPTH, MD & TVD 2771 KB		21. PLUG, BACK T.D., MD & TVD 2752																			
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0 - TD																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE No																			
26. TYPE ELECTRIC AND OTHER LOGS RUN I E S Induction, Compensated Density		27. WAS WELL CORED																			
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>7"</td><td>23</td><td>70 ft.</td><td>9-3/4"</td><td>30 SX</td><td></td></tr><tr><td>2-7/8"</td><td>6.4</td><td>2771 ft.</td><td>5-1/8"</td><td>175 SX</td><td></td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	7"	23	70 ft.	9-3/4"	30 SX		2-7/8"	6.4	2771 ft.	5-1/8"	175 SX	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																
7"	23	70 ft.	9-3/4"	30 SX																	
2-7/8"	6.4	2771 ft.	5-1/8"	175 SX																	
29. LINER RECORD																					
<table border="1"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)													
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																	
30. TUBING RECORD																					
<table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td></tr></tbody></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)															
SIZE	DEPTH SET (MD)	PACKER SET (MD)																			
31. PERFORATION RECORD (Interval, size and number)																					
<table border="1"><tbody><tr><td>2554-60 - 460"-2PF</td></tr><tr><td>2575-80 - 460"-2PF</td></tr></tbody></table>				2554-60 - 460"-2PF	2575-80 - 460"-2PF																
2554-60 - 460"-2PF																					
2575-80 - 460"-2PF																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
<table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>2554-80</td><td>500 Gal. 15% HCL</td></tr><tr><td>2554-80</td><td>SFFR 150 Bbls 36,000 lbs.</td></tr><tr><td></td><td>N₂ additive</td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	2554-80	500 Gal. 15% HCL	2554-80	SFFR 150 Bbls 36,000 lbs.		N ₂ additive										
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																				
2554-80	500 Gal. 15% HCL																				
2554-80	SFFR 150 Bbls 36,000 lbs.																				
	N ₂ additive																				
33.* PRODUCTION																					
<table border="1"><thead><tr><th>DATE FIRST PRODUCTION</th><th>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th><th>WELL STATUS (Producing or shut-in)</th></tr></thead><tbody><tr><td>Dry Hole</td><td>Flowing</td><td>Shut-in</td></tr></tbody></table>				DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)	Dry Hole	Flowing	Shut-in												
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)																			
Dry Hole	Flowing	Shut-in																			
<table border="1"><thead><tr><th>DATE OF TEST</th><th>HOURS TESTED</th><th>CHOKE SIZE</th><th>PROD'N. FOR TEST PERIOD</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>GAS-OIL RATIO</th></tr></thead><tbody><tr><td>10-3-77</td><td>24</td><td>1/8"</td><td></td><td></td><td>TOTM</td><td></td><td></td></tr></tbody></table>				DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	10-3-77	24	1/8"			TOTM				
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO														
10-3-77	24	1/8"			TOTM																
<table border="1"><thead><tr><th>FLOW. TUBING PRESS.</th><th>CASING PRESSURE</th><th>CALCULATED 24-HOUR RATE</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>OIL GRAVITY-API (CORR.)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)											
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)															
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)																					
35. LIST OF ATTACHMENTS																					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																					
SIGNED <u>Steven S. Dunn</u> TITLE <u>Engineer</u> DATE <u>6/16/78</u>																					

*(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: "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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo	1845	1948	Water
Pictured Cliffs	2550	2657	Salt Water, Gas

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1845	
Kirtland	1948	
Fruitland	2307	
Pictured Cliffs	2550	

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

WELL COMPLETION OR RECOMPLETION REPORT