

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF-078767																																		
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. RESRV. ☒ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 30-029-24493																																		
2. NAME OF OPERATOR Meridian Oil Inc.		7. UNIT AGREEMENT NAME Rosa Unit																																		
3. ADDRESS OF OPERATOR PO Box 4289, Farmington, NM 87499		8. FARM OR LEASE NAME Rosa Unit																																		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 980'N, 990'E At top prod. interval reported below At total depth		9. WELL NO. 220																																		
14. PERMIT NO. 30-039-24493		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal																																		
DATE ISSUED		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec. 13, T. 1N, R. 6E, S. 4N																																		
15. DATE SPUDDED 04-28-90		12. COUNTY OR PARISH Rio Arriba NM																																		
16. DATE T.D. REACHED 07-08-90		13. STATE NM																																		
17. DATE COMPL. (Ready to prod.) 07-18-90		18. ELEVATIONS (DF. RKB. RT. GR. ETC.)* 6470' GL																																		
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 3347'																																		
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL. HOW MANY*																																		
23. INTERVALS DRILLED BY		ROTARY TOOLS yes																																		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Fruitland Coal (3189-3325')		25. WAS DIRECTIONAL SURVEY MADE no																																		
26. TYPE ELECTRIC AND OTHER LOGS RUN none		27. WAS WELL CORRED 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>9 5/8"</td><td>36.0#</td><td>228'</td><td>12 1/4"</td><td>189 cu.ft.</td><td></td></tr><tr><td>7"</td><td>23.0#</td><td>3169'</td><td>8 3/4"</td><td>1072 cu.ft.</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	9 5/8"	36.0#	228'	12 1/4"	189 cu.ft.		7"	23.0#	3169'	8 3/4"	1072 cu.ft.																
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																															
9 5/8"	36.0#	228'	12 1/4"	189 cu.ft.																																
7"	23.0#	3169'	8 3/4"	1072 cu.ft.																																
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>4 1/2"</td><td>3026'</td><td>3330'</td><td>83 cu.ft.</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	4 1/2"	3026'	3330'	83 cu.ft.																								
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																																
4 1/2"	3026'	3330'	83 cu.ft.																																	
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>2 3/8"</td><td>3235'</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)	2 3/8"	3235'																												
SIZE	DEPTH SET (MD)	PACKER SET (MD)																																		
2 3/8"	3235'																																			
31. PERFORATION RECORD (Interval, size and number) 3189-93', 3218-22', 3240-48', 3307-12', 3314-25' w/4 spf																																				
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>3189-3325'</td><td>15,160# 40/70 sand</td></tr><tr><td></td><td>65,000# 20/40 sand</td></tr><tr><td></td><td>99,640# 12/20 sand</td></tr><tr><td></td><td>123,357 gal. fluid</td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	3189-3325'	15,160# 40/70 sand		65,000# 20/40 sand		99,640# 12/20 sand		123,357 gal. fluid																							
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																			
3189-3325'	15,160# 40/70 sand																																			
	65,000# 20/40 sand																																			
	99,640# 12/20 sand																																			
	123,357 gal. fluid																																			
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></td><td>shut in, capable of commercial hydrocarbon production, waiting on pipeline</td><td></td></tr><tr><td>DATE OF TEST</td><td>HOURS TESTED</td><td>CHOKED SIZE</td></tr><tr><td></td><td></td><td>PROD'N. FOR TEST PERIOD</td></tr><tr><td></td><td></td><td>OIL—BBL.</td></tr><tr><td></td><td></td><td>GAS—MCF.</td></tr><tr><td></td><td></td><td>WATER—BBL.</td></tr><tr><td></td><td></td><td>GAS-OIL RATIO</td></tr><tr><td></td><td></td><td>93 MCF- pitot gge</td></tr><tr><td>FLOW, TUBING PRESS.</td><td>CASING PRESSURE</td><td>CALCULATED 24-HOUR RATE</td></tr><tr><td>SI 643</td><td>SI 153</td><td></td></tr></tbody></table>				DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)		shut in, capable of commercial hydrocarbon production, waiting on pipeline		DATE OF TEST	HOURS TESTED	CHOKED SIZE			PROD'N. FOR TEST PERIOD			OIL—BBL.			GAS—MCF.			WATER—BBL.			GAS-OIL RATIO			93 MCF- pitot gge	FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	SI 643	SI 153	
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)																																		
	shut in, capable of commercial hydrocarbon production, waiting on pipeline																																			
DATE OF TEST	HOURS TESTED	CHOKED SIZE																																		
		PROD'N. FOR TEST PERIOD																																		
		OIL—BBL.																																		
		GAS—MCF.																																		
		WATER—BBL.																																		
		GAS-OIL RATIO																																		
		93 MCF- pitot gge																																		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE																																		
SI 643	SI 153																																			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold BHP @ 3250' 1404																																				
35. LIST OF ATTACHMENTS none																																				
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																				
SIGNED <u>[Signature]</u> TITLE <u>Regulatory Affairs</u> DATE <u>8-8-90</u>																																				

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

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.		NAME		TOP	
											MEAS. DEPTH	
											TRUE VERT. DEPTH	
Ojo Alamo	2580	2680'	2680'	White, cr-gr ss.				Ojo Alamo	2580'			
Kirtland	2680'	3175'	3175'	Gry sh interbedded w/tight, gry, fine-gr ss.				Kirtland	2680'			
Fruitland	3175'	3347'	3347'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.				Fruitland	3175'			
Pictured Cliffs	3347'	3347'	3347'	Bn-Gry, fine grn, tight ss.				Pic.Cliffs	3347'			
									3330			