

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions 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-031134																					
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 Meridian Oil Inc.		7. UNIT AGREEMENT NAME																					
3. ADDRESS OF OPERATOR PO Box 4289, Farmington, NM 87499		8. FARM OR LEASE NAME Quigley																					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1450'S, 790'W At top prod. interval reported below At total depth		9. WELL NO. 1R																					
14. PERMIT NO. 30-045-27532		DATE ISSUED																					
15. DATE SPUDDED 11-21-89		16. DATE T.D. REACHED 11-23-89																					
17. DATE COMPL. (Ready to prod.) 01-04-90		18. ELEVATIONS (DF. RKB, RT, GR, ETC.)* 6523'GL																					
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 6000'																					
21. PLUG BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*																					
23. INTERVALS DRILLED BY		ROTARY TOOLS																					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Mesa Verde - 4770-5850'		25. WAS DIRECTIONAL SURVEY MADE no																					
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/GR/CNL/LDT/Temp.		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></tr></thead><tbody><tr><td>9 5/8"</td><td>40.0#</td><td>229'</td><td>12 1/4"</td><td>189 cu.ft.</td></tr><tr><td>7"</td><td>23.0#</td><td>3530'</td><td>8 3/4"</td><td>1991 cu.ft.</td></tr><tr><td>4 1/2"</td><td>10.5#</td><td>5999'</td><td>6 1/4"</td><td>463 cu.ft.</td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	9 5/8"	40.0#	229'	12 1/4"	189 cu.ft.	7"	23.0#	3530'	8 3/4"	1991 cu.ft.	4 1/2"	10.5#	5999'	6 1/4"	463 cu.ft.
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31. PERFORATION RECORD (Interval, size and number)																							
4770-73', 4811-14', 4860-63', 4890-97', 4905-08', 4922-24', 4951-54', 4988-94', 5002-10', 5020-26', 5065-68'w/2 spf; 5092-96', 5176-79', 5228-32', 5256-60', 5362-66', 5386-90', 5405-09', 5476-80'																							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																							
DEPTH INTERVAL (MD)																							
4770-5850'																							
AMOUNT AND KIND OF MATERIAL USED																							
221,600#sand; 277,738 gal. fluid																							
33. w/2 spf; cont'd on back																							
PRODUCTION																							
DATE FIRST PRODUCTION 01-04-90																							
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing-capable of comm.hydrocarbon prod.																							
WELL STATUS (Producing or shut-in) shut in																							
DATE OF TEST 01-18-90																							
HOURS TESTED 3 hrs																							
CHOKE SIZE 3/4"																							
PROD'N. FOR TEST PERIOD																							
OIL—BSL. 223																							
GAS—MCF. 1784																							
WATER—BSL. -																							
GAS-OIL RATIO																							
FLOW. TUBING PRESS. 140																							
CASING PRESSURE 460																							
CALCULATED 24-HOUR RATE																							
OIL—BSL. 1784																							
GAS—MCF. 1784																							
WATER—BSL. -																							
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold																							
TEST WITNESSED BY																							
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 Regulatory Affairs DATE 3-1-90																							

*(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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1947'	2066'	White, cr-gr ss..	Ojo Alamo	1947'	
Kirtland	2066'	3010'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2066'	
Fruitland	3010'	3257'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3010'	
Pictured Cliffs	3257'	4070'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3257'	
Chacra	4070'	4769'	Gry fn grn silty, glauconitic sd stone w/drck gry shale	Chacra	4070'	
Mesa Verde	4769'	5071'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4769'	
Menefee	5071'	5497'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5071'	
Point Lookout	5497'	6000'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5497'	
perf's cont'd: 5640-48', 5734-36', 5757-60', 5780-84', 5789-92', 5815-18', 5847-50'	5516-20', 5528-30', 5538-44', 5555-62', 5574-76', 5594-97', 5606-09', 5612-15',					