

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-045-20857
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER <u>Wildcat</u>		7. Lease Name or Unit Agreement Name Matthews	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESER ☐ OTHER ☐		8. Well No. 1	
2. Name of Operator Merrion Oil & Gas Corporation		9. Pool name or Wildcat Wildcat Entrada	
3. Address of Operator P. O. Box 840, Farmington, NM 87499		DIST. 3	
4. Well Location Unit Letter <u>M</u> : <u>980</u> Feet From The <u>South</u> Line and <u>790</u> Feet From The <u>West</u> Line Section <u>18</u> Township <u>13N</u> Range <u>6E</u> NMPM <u>Sandoval</u> County			
10. Date Spudded 4/23/91	11. Date T.D. Reached 4/27/91	12. Date Compl. (Ready to Prod.) 5/23/91 P&A	13. Elevations (DF & RKB, RT, GR, etc.) 5,588' GR, 5,593' KB
14. Elev. Casinghead	15. Total Depth 1,100' KB		
16. Plug Back T.D. 1,048' KB	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-1,100' KB	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name (None)			20. Was Directional Survey Made yes
21. Type Electric and Other Logs Run Gamma Ray Cement Bond Log, Compensated Density Log, Induction Guard Log			22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	40'	9-3/4"	15 sx Cl "B" neat	None
4-1/2"	10.5#	1094.67'	6-1/4"	175 sx Cl "B" neat	None

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET	

26. Perforation record (interval, size, and number): 990'-1004'; 964'-978'; 28 .40" 1 JSPF 610'-614'; 619'-628'; 632'-639'; 20 .40" 1 JSPF 278'-295' 34 .40" 2 JSPF	27. ACID, SHOT, FRACTURE CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 990-1004' 3.5 Bbls 15% HCl @ 1400 psi 964-978' 3 Bbl 15% HCl, 3 BBlS H2O
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PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) Plugged and Abandoned 5/23/91				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	

30. List Attachments
Survey sheet and results of Directional Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Steven S. Dunn Printed Name Steven S. Dunn Title Operations Mgr Date 5/29/91

cc: 5 OCD; 1 Well File

MERRION OIL & GAS CORPORATION

MATTHEWS NO. 1
980' FSL & 790' FWL
M, Sec 18, T13N, R6E
Sandoval County, NM

SLOPE TESTS

<u>Depth</u>	<u>Hole Deviation</u>
300'	2-1/2°
400'	3-1/2°
500'	4°
600'	4-1/2°
700'	4-3/4°
800'	4-1/2°
900'	4-1/2°
1,000'	6°

MATTHEWS #1
Deviation Log

Merrion Oil
4/26/91

Mathews #1
Logged by: S. Stubberrud
Logged Down

Bearing
Step Out 270.50
63.36
True Vert. Depth 1088.27

Depth	Inclination	Direction
1091	05.7	282
1090	05.9	275
1080	05.5	293
1070	05.0	291
1060	05.7	292

269.36
59.69
1047.46

1050	05.2	286
1040	05.1	287
1030	05.2	289
1020	05.2	285
1010	05.0	289

26 7.95

55.41

99 7.6 6

1000	05.2	285
0990	04.9	290
0980	05.3	287
0970	05.1	288

266.68

5 2.0 5

95 7.8 2

0960	05.0	281
0950	04.3	279
0940	04.4	280
0930	04.6	279
0920	04.4	267
0910	04.4	268

266.01

47.43

098.01

0900	04.5	254
0890	04.5	248
0880	04.5	254
0870	04.2	243
0860	05.1	268

26 7.0 8

4 3.5 6

048.17

0050	04.5	256
0040	04.0	257
0030	03.6	255
0020	04.6	253
0010	04.9	252

268.35

3 9.8 7

798.32

0800	04.7	250
0790	05.0	249
0780	04.5	253
0770	04.4	258

0800	04.7	250
0790	05.0	249
0780	04.5	253
0770	04.4	259
0760	04.2	257
	269.89	
	36.06	
	748.48	

0750	04.4	259
0740	03.9	257
0730	04.6	254
0720	04.7	257
0710	04.6	260
	271.40	
	32.32	
	698.63	

0700	04.2	258
0690	04.3	243
0680	04.5	257
0670	03.1	073
0660	04.3	268
	272.51	
	29.93	
	648.76	

0650	04.5	263
0640	04.4	288
0630	01.9	165
0620	16.0	329
0610	04.6	272
	268.01	
	26.25	
	599.24	

0600	04.6	264
0590	04.2	264
0580	04.4	257
0570	04.2	252
0560	03.4	265
	269.30	
	22.74	
	549.37	

0550	03.6	259
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West
Dev Log

0550	03.8	257
540	04.4	254
0530	04.0	256
0520	04.3	269
0510	04.2	263

270.68
19.21
499.50

0500	03.7	276
0490	03.3	285
0480	03.3	272
0470	03.2	265
0460	03.4	274

269.81
16.34
449.59

0450	03.3	288
0440	03.4	269
0430	02.9	291
0420	03.6	268

268.43
14.15
409.65

0410	02.9	292
0400	03.3	268
0390	03.0	269
0380	03.2	298
0370	02.5	258
0360	02.7	284

266.37
11.21
349.73

0350	02.9	263
0340	02.3	258
0330	01.8	247
0320	02.2	291
0310	02.2	270

266.29
9.33

185
Maid
Kew

266.24
9.33
299.77

0300	02.2	270
0290	02.3	274
0280	02.3	267
0270	03.1	272
0260	02.5	277

264.71
7.14
249.82

0250	02.5	266
0240	02.4	299
0230	03.2	274
0220	03.2	271
0210	02.9	276

258.37
4.71
199.89

0200	03.0	271
0190	03.3	267
0180	02.8	265
0170	03.3	265
0160	02.8	263

250.05
2.10
149.96

0150	03.0	259
0140	02.7	260
0130	02.1	262
0120	02.0	252
0110	01.5	241
0100	01.4	242
0090	00.9	233
0080	00.8	215
0070	00.5	221
0060	00.6	195
0050	00.7	171
0040	00.8	026
0030	00.6	004
0020	00.5	025
0010	00.3	034