

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO. 30-039-25416
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-178-9

7. Lease Name or Unit Agreement Name IRED STATE (14133) 1R Blanco Mesaverde (72319)
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SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER
2. Name of Operator Merrion Oil & Gas Corporation (014634)
3. Address of Operator 610 Reilly Avenue, Farmington, NM 87401-2634
4. Well Location Unit Letter M : 1050 Feet From The south Line and 790 Feet From The west Line Section 32 Township 30N Range 7W NMPM Rio Arriba County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6191' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☐
	OTHER: Add perfs and stimulate ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 7/8/98 MIRU TJR Well Service on 7/8/98. RU B&R, pull bumper spring. Set plug in tubing. Blow down well. ND WH, NU BOPs. Pull tubing. Well came in blowing gas and oil, had to kill with 2% KCl water. Pulled 164 joints of 2-3/8" tbg. RU Black Warrior WL, RU GR-Correlation log from 5000'-3300'. Set 4-1/2" RBP with Tefteller's pressure buildup tester on bottom of BP, set BP at 4785' (4:30 PM). Fill hole with 2% KCl water. Test casing to 4000 psi for 15 mins - OK. Perforated one hole at 4643', 32', 14', 13', 02', 4559', 57', 55', 42', 23', 19', 11', 4495', 55', 42', 23', 19', 11', 4495', 80', 75', 62', 49', 16', 4390', 84', 66', 52', 41', 33', 21', 15', 4299', 67', 55', 41', 23', 11', 4196', 90', 79', 72', 52' - 0.28 size 37 holes per Density-Neutron Log.
- 7/9/98 TIH with pip tool. Set tool below perfs, test to 4500 psi. Set tool over 1st perf. Spot 850 gals 15% HCl to tool. Break down 1st set. Tool quit working after 3rd setting, would not test in blank pipe. Pump acid out of tubing. Well on vacuum. TOH. Put on new tool and test spot HCl to tool and do break down (see attached sheets for breakdown). Only 2 setting would not break at 4500 psi - 4449' and 4416'. TOH with tool.
- 7/10/98 RU tree saver tool in BOPs. RU BJ to frac. Water in frac tanks was bad. PH 4.5, iron in water 75. Would not x-link. Dump water.

*** CONTINUED OTHER SIDE ***

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Steven S. Dunn TITLE Drig & Prod Manager DATE 7/28/98
TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE AUG 13 1998
CONDITIONS OF APPROVAL, IF ANY:

7/14/98 RU BJ. Frac lower Lewis interval with 150,960# 20/40 sand, 480 bbls 25# cross-linked gel with 70 Q foam with ± 900 Mct of Nitrogen. ramped sand concentration through job from 1 to 5 ppg. Average Rate: 47 BPM, Average Pressure: 2100 psi, ISIP: 1800 psi. Flow back well immediately to pit. Start flow back ~ 1500 hrs on 1/4" positive flow choke. WH Press 1400 psi. Flow back as follows:

Time	ΔT-Hrs	Pressure	Choke	Remarks
1900	4	640 psi	1/4"	Foam, frac sand
2000	5	670 psi	1/4"	Foam, frac sand
2100	6	760 psi	1/4"	Foam, frac sand
2200	7	820 psi	1/4"	Foam, very little sand
2300	8	875 psi	1/4"	Foam, very little sand
2400	9	800 psi	1/4"	Foam quit, trace sand and nitrogen, hvy mist
0200	11	610 psi	1/4"	No foam, Nitrogen, trace sand, hvy mist
0400	13	530 psi	1/4"	Changed to 1/2" choke office
0600	15	430 psi	1/2"	Hvy mist, nitrogen, est. 7 BWPH, left flowing. Q ~ 2.7 MMCFD (not adjusted for liquid).

7/15/98 Flow back as follows:

Time	ΔT-Hrs	Pressure	Choke	Remarks
0600	15	430 psi	1/2"	No sand, medium mist.
0700	16	350 psi	1/2"	No sand, medium mist.
0800	17	250 psi	1/2"	No sand, medium mist.
0900	18	190 psi	1/2"	L no sand, medium mist
1000	19	160 psi	1/2"	L no sand, medium mist
1100	20	140 psi	1/2"	Trace medium to light mist
2000	29	115 psi	1/2"	Surges of hvy mist with trace of sand, show of gas. Calc Rate 800 MCFD. Let flow overnight. (TR) Next 24 hrs, set RBP perforate.

7/16/98 Well flowing dry gas and nitrogen on 1/2" choke - 95 psi. Kill well with 2% Kcl with 40 bbls of water. Pull tree saver. RU Black Warrior WL, set RBP (Baker) at 4100'. RU Cementers Inc. load casing with 2% Kcl water. Test BP to 4000 psi for 15 mins. RD Cementers Inc. RU BW WL, perforate bottom up at 4048', 46', 38', 38', 37', 36', 32', 08', 3980', 61', 48', 23', 3896', 86', 49', 30', 16', 14', 3798', 88', 82', 60' (22 holes - .28"). RD BW.

7/17/98 RU pip tool. Breakdown perfs with 15% HCl (see attachment). TIH with pip tool. TIH with 2-3/8" open-ended tubing to top of liner. SDON. (TR)

7/18/98 RU BJ, unload casing with nitrogen at liner top 3005'. TOH with 2-3/8" tbg, set tree saver. RU BJ to frac 70% foam. Press increased to 3335 psi during pad before breaking back. Press decreased steadily through job to ± 1700 psi at end, ISIP 1300 psi. Min Treating Press: 1300 psi, Max. 3335 psi, ATP 2000 psi, Rate 35 BPM. Sand 151,600# 20/40 Arizona, #1 to 5#, 551 bbls 20# gel fluid to recover. ISDP 1300 psi. Flow back on 2-1/4" choke till bottoms up. Put on 1-1/4" choke for 12 hrs. Put on 1/2" choke rest of time:

Time	ΔT-Hrs	Pressure	Choke	Remarks
1100	1100 psi	1/4"	Nitrogen gel.	
1200	1000 psi	1/4"	Nitrogen gel.	
1300	1040 psi	1/4"	Nitrogen gel, heavy sand	
1400	1010 psi	1/4"	Nitrogen gel, light sand	
1500	990 psi	1/4"	Nitrogen gel, no sand.	
1600	980 psi	1/4"	Nitrogen gel, no sand.	
1700	980 psi	1/4"	Nitrogen gel, no sand.	
1800	980 psi	1/4"	Nitrogen gel, light sand	
1900	875 psi	1/4"	Nitrogen gel, trace sand	
2000	800 psi	1/4"	Nitrogen gel, no sand.	
2100	750 psi	1/4"	Nitrogen gel, no sand.	
2200	700 psi	1/4"	Nitrogen gel, no sand.	
2300	680 psi	1/4"	Nitrogen gel, no sand.	
2400	650 psi	1/2"	Nitrogen gel, no sand.	
0200	400 psi	1/2"	Nitrogen gel, trace sand.	
0300	350 psi	1/2"	Nitrogen gel, no sand.	
0400	230 psi	1/2"	Nitrogen gel, no sand.	
0600	150 psi	1/2"	Nitrogen gel, no sand, heavy to med. mist.	

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2-17-88

TREATER

T. Rosch

[illegible]

WELL NAME: IRED No. 1R

(ATTACHMENT TO FORM C-103)

7/19/98

1.	0600	150 psi	1/2"	No sand, heavy to medium mist.
2.	0700	145 psi	1/2"	No sand, heavy to medium mist.
3.	0800	140 psi	1/2"	No sand, heavy to medium mist.
4.	0900	130 psi	1/2"	No sand, heavy to medium mist.
5.	1000	130 psi	1/2"	No sand, light to medium mist.
6.	1100	130 psi	1/2"	No sand, light to medium mist.
7.	2000	125 psi	1/2"	No sand, light to medium mist.

Let flow overnight.

7/20/98 At 0700 well flowing on 1/2" choke at 140 psi, light mist to surges of water. Trace of sand in 1st part of surges. Open on 2" to blow down well. Rig motor broke down, put well back on 1/2" choke at 50 psi. Built up to 145 psi in 1 hr, medium mist. Left well flowing on 1/2" choke. At 1900 hrs well has 110 psi, light mist and surges of water with traces of sand in surges.

7/21/98 Well flowing dry gas on 1/2" choke. Put well on sales line.

7/24/98 Take gas sample off wellhead. Blow down well. Blowing dry gas. Kill well with 20 bbls 2% KCl water, remove tree saver. Kill well again. TIH with retrieving head for RBP and string float one stand above. RD for 2-1/2 hrs for repairs. Tagged sand at 4046' (bottom perf at 4048'), CO to RBP at 4100'. Released and TOH. TIH with retrieving head for next RBP to top of liner @ 3005'. SDFN. Left well blowing to pit overnight.

7/25/98 Finish TIH. Tagged sand at 4517' (bottom perf @ 4643'). CO to RBP at 4735' with air and foam. Blew for 5 hrs making sand with air and foam. Pulled RBP got out liner top, started flowing very hard. Left flow to pit for 1-1/2 Hr. Blowing about 500 psi on 2 - 2" lines. Shut rams. Put well on production until Monday morning. Well making dry gas.

7/27/98 Blow down well on 2 - 2" lines. Start TOH. Tubing got light, kill well with 80 bbls of 2% KCl water. Finish TOH with tubing and RBP. Well unloaded all kill water. Kill well with 80 bbls of 2% KCl water. TIH with expendable check, seating nipple on 2-3/8" tbg. Well unloaded all kill water 1/2 way in hole. Tripped in to 5384', 90' below bottom perf. TOH to 5217', landed 164 jts of 2-3/8" tubing at 5230' KB. Expendable check on bottom of SN, SN on bottom of tbg. ND BOPs, NU WH. Pump off check with 10 bbls 2% KCl water and follow with air. Check went at 320 psi, pumped 5 more minutes to be sure. Flowed well to pit for 1 hr. Well dried up blowing gas, put well on production. RDMOL.