

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O Box 1017, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2154 FNL
AT SURFACE: 3430 FSL & 1850 FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Completion ☐

SUBSEQUENT REPORT OF:

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RECEIVED

FEB 22 1982

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attached



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Operations Manager DATE 2/19/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

FEB 2 1982

*See Instructions on Reverse Side

NMOCC

BY [Signature] FARMINGTON DISTRICT

MERRION OIL & GAS CORPORATION

CANYON LARGO UNIT NO. 311

Sec. 3, T24N, R6W

Rio Arriba County, New Mexico

1/16/82 Move in, rig up Young Rig #3. Spudded 12-1/4" hole.
 1/17/82 Drilled to 232' KB. Set 232' 8-5/8" 20# casing w/175 sx cement.
 1/18/82 Tripping @ 1599. 1° @ 1599'. Mud wt. 8.8, Vis 35, Water loss 6.
 1/19/82 Tripping for bit No. 4. Depth 2651' KB. Mud wt. 8.8. Vis 35. Water loss 7.4.
 1/20/82 Drilling @ 3271. Mud wt. 8.8. Vis. 36. Water loss 7.2.
 1/21/82 Drilling @ 4053. Mud wt. 8.9, Vis. 34, Water loss 7.
 1/22/82 Drilling @ 4665. Mud wt. 9.0. Vis 39, Water loss 6.
 1/23/82 Drilling @ 4999'. Mud wt. 8.8, Vis. 36, Water loss 7. 1° @ 4828.
 1/24/82 Drilling @ 5550'. Mud wt. 8.8. Vis. 37, Water loss 7.
 1/25/82. TD @ 5675. Circulate 2 hours. Pull drill pipe to 3000'. Raise vis. in upper hole. Trip out for logs. Rig up Go International. Ran IES Induction Log from TD 5675' to surface. Rig down loggers. Trip in lay down drill pipe. Run this mud to sixty second vis. Trip to lay down. Prepare to run casing.

1/26/82 Ran 138 joints 4.5" 11.6# casing as follows:

Shoe	1.0
1 Shoe Joint 4.5" 11.6#	41.14
1 Float Collar	1.68
23 Joints 4.5" 11.6#	946.46
1 Stage Tool	1.68
114 Joints 4.5" 11.6#	4691.68
	<u>5683.64</u> (8.64' above KB.)

Bottom of casing 5675' KB.
 Stage tool set @ 4686.4' KB.

Rig up Dowell. Cemented 1st stage w/175 sx Class 'H' 2% D-20 gel. Pumped 10 Bbls H₂O ahead. Mixed and pumped 38 Bbls 15.4 cement slurry. Shut down to wash lines and pump. Dropped plug. Displace w/13 Bbls H₂O. Displaced w/75.5 Bbls mud. Bumped plug. 1000# - bled pressure - held OK. Dropped opening bomb to open stage collar. Circulated 3 hours.

Cemented 2nd stage. Pumped 10 Bbls H₂O. Mixed and pumped lead cement 169 Bbls 12.5# slurry. Pumped tail cement 22 Bbls 15.4# slurry. Dropped plug. Bled pressure off. Stage collar closed. Rig down, move off.

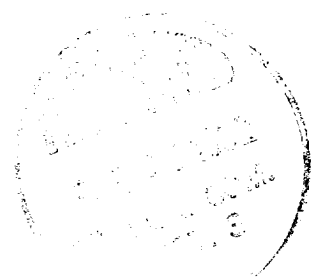
1/29/82 Set two 400 Bbl production tanks.

1/30/82 Work on hookup

1/31/82 Work on hookup.

2/1/82 Working on hookup.

2/13/82 Move in, rig up Bayless Rig No. 3. Trip in w/2-3/8" tubing and casing scraper. Tag stage tool @ 4686' KB. Pressure tested to 4000 PSIG - held okay. Drill out stage tool and clean out to 5628' KB by tally. Pressure tested to 4000 PSIG - held okay. Pick up to 5616' KB. SDON.



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 Sec. 3, T24N, R6W
 Rio Arriba County, New Mexico

2/14/82 Rig up Western Co. Pressure tested casing to 4200 PSIG for 10 minutes - held okay. Swept hole w/10 Bbls gel plug, loaded hole w/lease crude and spotted 250 gal 15% HCL 2/1 gal/1000 Aquaflow on bottom. Trip out w/2-3/8" tubing. Rig up Blue Jet. Ran Gamma Ray Neutron Correlation Log from PBTD 5631' KB to 5200' KB and from 4650' KB to 3600' KB. Perforated Gallup as follows:

5400 - 5402	2PF	4 Holes
5405 - 5410	1PF	6 Holes
5418 - 5422	2PF	8 Holes
5430 - 5432	2PF	4 Holes
5450 - 5454	2PF	8 Holes
5461 - 5465	1PF	5 Holes
5479 - 5487	1PF	9 Holes
5504 - 5506	1PF	3 Holes
5601 - 5605	2PF	<u>8 Holes</u>
Total		55 Holes.

SDOWE.

2/15/82 Shut-in.

2/16/82 Shut-in.

2/17/82

Ran straddle packers to breakdown individual perfs.

Setting No. 1 - 8 holes - 2 per ft. between 5601' KB and 5604' KB. 4.1 Bbl/min. @ 2800 PSI. ISDP 1250 PSI.

Setting No. 2 - 3 holes - 1/ft. from 5504 - 5506' KB. Communicated up casing. 3.8 Bbl/min @ 3400 PSI. ISDP 1700 PSI.

Setting No. 3 - 9 holes - 1/ft. from 5479 - 5487' KB. Communicated. Shut in backside and displaced w/4.1 BPM @ 2400 PSI. ISDP 1050 PSI.

Setting No. 4 - 5 holes - 1/ft. 5461 - 5465' KB. Communicated. Shut in casing and displace w/4.2 BPM @ 2400 PSI. ISDP 1050 PSI.

Test packers above all perfs. Packers held 3000 PSI solid. Packers good. Go to setting No. 5.

Setting No. 5 - 8 holes - 2/ft. 5450 to 5454' KB. 4.2 BPM @ 2500 PSI. No Communication. ISDP 1150 PSI.

Setting No. 6 - 2/ft. - 6 holes - 5430 - 5432' KB. 4.0 BPM @ 3000 PSI. Communicated. Shut in casing. ISDP 1150 PSI.

Setting No. 7 - 8 holes - 2/ft. 5419 - 5422' KB. Communicated. Shut in backside and displace 4.1 BPM @ 2600 PSI. ISDP 1150 PSI.

Setting No. 8 - 10 holes - 1/ft. 5400 - 5410' KB. 4.1 BPM @ 2450 PSI. ISDP 1200 PSI.

Breakdown completed. Pull packers - Shut in. SDON.

(CCM)

MERRION OIL & GAS CORPORATION

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Rio Arriba County, New Mexico

2/18/82 Rig up Western Co. Fraced Gallup Perfs w/75 Quality Foam and 1 gal/1000
Aquaflow, 2% KCL as follows:

15,000 Gal.	Foam Pad
10,000 Gal.	1/2 #/gal 20/40 sand
10,000 Gal.	1 #/gal 20/40 sand
15,000 Gal.	1-1/2 #/gal 20/40 sand
20,000 Gal.	2 #/gal 20/40 sand
Cut sand drop 14 ball sealers	
10,000 Gal.	Foam Pad
5,000 Gal.	1/2 #/gal 20/40 sand
4,000 Gal	1 #/gal 20/40 sand
4,000 Gal	1-1/2 #/gal 20/40 sand
6,250 Gal.	2 #/gal 20/40 sand
Cut sand Drop 15 ball sealers	
10,000 Gal.	Foam Pad
4,000 Gal.	1/2 #/gal 20/40 sand
4,000 Gal	1 #/gal 20/40 sand
4,000 Gal.	1-1/2 #/gal 20/40 sand
6,250 Gal.	2 #/gal 20/40 sand
2,940 Gal.	Flush Foam

Total Sand - 127,000 lbs. 20/40 sand

Total Water - 782 Bbls.

Total N₂ - 2,600,000 SCF

Avg. Rate - 30 BPM

Avg. Pressure - 3600 PSIG.

ISDP - 3100 PSIG

Final Shut-in - 2900 PSI in 15 minutes.

Shut in for 1 hour. Flowed 5 minutes 1/2" choke, shut in 1 hour.

Opened to reserve pit 1/2" choke. Blew down to 650 PSIG. Put into
frac tank overnight.

(SSD)

2/19/82 143 Bbls over night - 12 hours thru 1/2" choke. 200 # casing pressure.
Took out 1/2" choke and well made 18.5 Bbls in 1 hour. Killed well and ran
tubing w/seating nipple 1 joint off bottom and saw tooth collar on bottom.
Tagged sand @ 5601' KB. Reverse circulate to PBTD 5631' KB. Pull up to
5379.82' KB. Left 170 joints 2-3/8" EUE tubing in hole. Flanged up well head
and swab 40 Bbls. Well started flowing. 80 Bbls in production tanks,
equalize and flow overnight.