

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 ☒ gas ☐ other ☐
well well
2. NAME OF OPERATOR
Merrion Oil & Gas Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1017, Farmington, New Mexico 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 460' FNL and 1005' 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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☐
☐
☐
☐
☒

5. LEASE
NM 23231
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Theodore Zink
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Undesignated
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T23N, R6W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6821' G.L. 6834' KB

(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 5/10/82

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

NMOC

MERRION OIL & GAS CORPORATION

THEODORE ZINK No. 1
Sec. 15, T23N, R6W
Rio Arriba County, New Mexico

- 4/13/82 Move in, rig up Young Rig 3. Drilled to 239;. Set 224' of 8-5/8 casing @ 239'. Cement w/170 sx.
4/14/82 Drilling @ 1700'. Mud wt. 8.7. Vis 37, Water Loss 6.
4/15/82 Drilling @ 3060. Mud wt. 9, Vis. 36, Water Loss 6.
4/16/82 Drilling @ 3940. Mud wt. 9.0. Vis. 38, Water Loss 5.
4/17/82 Drilling @ 4610. Mud wt. 9.1, Vis. 36, Water Loss 6.
4/18/82 Drilling @ 5094.
4/19/82 Drilling @ 5590. Mud wt. 9, Vis. 36, Water Loss 6.
4/20/82 TD @ 5705' KB. Condition hole, trip out for logs. Rig up Dresser Atlas. Ran IES Induction and Compensate Neutron-Density Logs. Rig down loggers. Trip in hole.
4/21/82 Ran 136 Joints of 4-1/2", 10.5 #/ft. Total casing length 5708.63' threads off. Stage tool @ 4536' KB.

2 Stage Cement

Stage 1 - 225 sx, yield 1.34 cu. ft/sx., Class H 2% D-20.
Drop plug and displace.

Open stage tool and circulate 3 hours from plug down.

Stage 2 - w/700 sx Class B 2% D-79. 2.06 cu. ft/sx. Tail in w/100 sx Class H 2% D-20, yield 1.34 cu. ft/sx. Displace and circulate 8 Bbls cement to surface.

Stage @ approximately 1150' off bottom, 4550' KB.

28 off bottom 1163.76 stage @ 4536' KB.

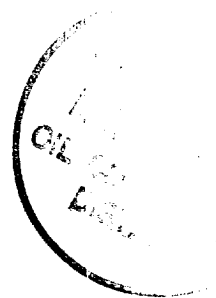
41.97' Avg. Joint

Stage tool on top of joint 28 + 108 joints to surface. 136 joints total run - 5708.63'.

Item	Length	Depth
Guide Shoe	1'	5700'
Shoe Joint (1 jt. 4.5, 11.6#)	41.38'	5658.62'
Float Collar	1.68'	5656.94'
24 jts. 4.5, 11.6# + 3 jts. 4.5, 10.5	1122.38'	4534.56'
Stage Tool	1.68'	4532.88'
108 jts. 4.5, 10.5# casing	4544.87'	11.99 above KB
	5712.99'	

4/27/82 - 4/29/82 Working on hookups.

4/30/82 Hookup complete - waiting on completion rig.



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- 5/5/82 Move in, rig up Bayless Rig 3. Trip in hole w/3-7/8" bit and casing scraper. Tag stage tool @ 4658' KB, drill out and pressure test, OK. Clean out to float collar @ 5592' KB by tubing tally. Pressure test, OK. SDON.
- 5/6/82 Pressure test to 4,000, OK. Run tubing to bottom, prognosis showed PBTD @ 5657' KB. Tubing tally showed bottom @ 5593' KB. Ran sinker bar and ran depthometer out of the hole: showed depth to be 5605' KB. Pulled tubing up to 5550' KB and rolled the hole w/10 Bbls gel plug and frac fluid and spot 250 gal. 15% HCL. Pull tubing and Blue Jet ran Gamma Ray Correlation Log from 5599' KB, loggers TD, to 3500' KB. Loggers found the first collar 15' off bottom which indicated that the completion rig did not drill out to PBTD. Bottom perf @ 5524' KB - have 75' of rat hole below perfs. Rig up to perforate select fire as follows: 20 holes @ 4498', 5322', 5325', 5328', 5342', 5344', 5458', 5460', 5462', 5466', 5468', 5496', 5498', 5528', 5530', 5532', 5534', 5536', 5538', KB. Perforated per Gamma Ray Correlation Log. KB depths. Rig down perforators and trip in hole w/straddle packers to breakdown perfs. First setting, 1 hole, @ 4498' KB. Brokedown @ 2200 PSI. ISDP 1400 PSI. 2nd setting, bottom perfs, @ 5528', 5530', 5532', 5534', 5536', 5538' KB, 6 holes, broke @ 1700 PSI. ISDP 800 PSI. 3rd setting, 2 holes, @ 5496' and 5498' KB. Set to third setting and pressure to 4000 PSI. No breakdown. Packers would not unjap. Pull tubing. SDON
- 5/7/82 Trip in w/new straddle packers. Set on perfs, 5458 - 5468', broke down @ 1700 PSI, ISDP 800 PSI. Set on perfs 5342, 5344', broke @ 1500 PSI, ISDP 800 PSI. Set on perfs 5322, 5325, 5328' KB, broke @ 1300 PSI, ISDP 600 PSI. Set on perfs 5496, 5498, pressure to 4000 PSI, no breakdown. Unload hole w/N₂. Trip out w/packers. Rig up Western and fraced Gallup as follows: w/75 Quality foam, 2% KCL, 1 gal/1000 Aquaflo.
- | | |
|-------------|-------------------------|
| 20,000 Gal | Foam Pad |
| 5,000 Gal | 1/2 #/gal. 20/40 sand |
| 5,000 Gal. | 1 #/gal. 20/40 sand |
| 5,000 Gal. | 1-1/2 #/gal. 20/40 sand |
| 5,000 Gal. | 2 #/gal. 20/40 sand |
| 10,000 Gal. | 2-1/2 #/gal. 20/40 sand |
| 10,000 Gal. | 3 #/gal. 20/40 sand |
| 13,000 Gal. | 3-1/2 #/gal. 20/40 sand |
| 10,000 Gal. | 4 #/gal. 20/40 sand |
| 3,547 Gal. | Foam Flush |
- Avg. Rate - 25 BPM
Avg. Pressure - 3000 PSIG
ISDP - 2600, down to 2450 in 15 min.
Total Sand - 165,600 Lbs. 20/40 sand
Total N₂ - 1,664,682 SCF
Total H₂O - 487 Bbls
Shut in 2 hours, flow back on 1/2" choke, put into tank overnight.



(SSD)

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- 5/8/82 Blue Jet ran Gamma Ray Gracer Log from 5527' to 4300' KB and Baker Service Tools ran a hydrostatic tool to clean out 75' of sand to 5594; KB and trip out of hole. SDON.
- 5/9/82 Ran 162 jts. 2-3/8" EUE, 8rd, K-55 tubing w/sawtooth collar and seating nipple 1 joint off bottom. Tubing hung off @ approximately 5280' KB. Swab well in and prepare to move.