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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Merrion Oil & Gas Corporation		8. Farm or Lease Name Rita
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87401		9. Well No. 2
4. Location of Well UNIT LETTER <u>O</u> <u>980</u> FEET FROM THE <u>South</u> LINE AND <u>1820</u> FEET FROM THE <u>East</u> LINE, SECTION <u>5</u> TOWNSHIP <u>23N</u> RANGE <u>6W</u> NMPM.		10. Field and Pool, or Wildcat Lybrook Gallup
15. Elevation (Show whether DF, RT, GR, etc.) 6773' GL		12. County Rio Arriba

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER Completion ☒
ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. 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.

See Attached

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

SIGNED [Signature] TITLE Operations Manager DATE 4/13/82

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE APR 15 1982

CONDITIONS OF APPROVAL, IF ANY:

RITA No. 2
Section 5, T23N, R6W
Rio Arriba County, New Mexico

4/8/82 Trip in w/straddle padkers. Breakdown as follows:

- 1st 5494' to 5504' KB, 6 holes, communicated @ 1,000 PSI.
2nd 5478' and 5480' KB, 2 holes, Broke @ 2,000 PSI and communicated @ 800 PSI.
3rd 5467' and 5469' KB, 2 holes, Pump in @ 1,000 PSI, no communication. ISDP 600 PSI.
4th 5431' to 5443' KB, 7 holes, broke @ 2,000. Pump in @ 1200 PSI. ISDP 800 PSI.
5th 5312' to 5320' KB, 5 holes, broke @ 2,000. Pump in @ 1,000 PSI. ISDP 800 PSI.
6th 5292' to 5302' KB, 6 holes, broke @ 1800. Pump in @ 900 PSI. ISDP 700 PSI.

Blew down well w/Nitrogen. Prepare to run tight formation test.

4/9/82 Tight formation test results - 0 MCF gas in 12 hours. Casing pressure 75 PSIG. Found 200 ft. of fluid in hole. Bottom of tubing @ 5515 ft. KB. Pulled fluid w/swab - found 50% oil, 50% water. Total 15 gals. recovered. Stop test @ 9:00 AM. Trip out of hole w/tubing. Rig up Western Co., and foam fraced Gallup w/75 Quality foam, 2% KCL water, 1 gal/1000 Aquaflo as follows:

20,000 Gal.	Foam Pad
5,000 Gal.	1/2 #/gal 20/40 sand
5,000 Gal.	1 #/gal 20/40 sand
7,500 Gal.	1-1/2 #/gal 20/40 sand
7,500 Gal.	2 #/gal 20/40 sand
10,000 Gal.	2-1/2 #/gal 20/40 sand
15,000 Gal.	3 #/gal 20/40 sand
20,000 Gal.	3-1/2 #/gal 20/40 sand
6,600 Gal.	4 #/gal. 20/40 sand
3,500 Gal.	Foam flush.

Total sand - 200,150 lbs 20/40 sand

Total foam volume - 100,100 Gals.

Total water volume - 25,025 Gals - 598 Bbls.

Total N₂ volume - 1,811,504 SCF

Average rate - 30 BPM

Average pressure - 3100 PSIG

ISDP - 2500 PSIG

Down to 2300 PSIG in 15 minutes.

Shut-in for 2 hours. Started flowing back on 3/8" choke @ 2:30 PM.

Blew down to 700 PSIG and put into frac tank @ 7:00 PM. Made 62 Bbls in 13 hours overnight. Sample showed 3% water. Current rate 17 Bbls/hour 97% oil. Pressure 75 PSIG on 3/8" choke.

Removed choke and pressure dropped to 30 PSIG. Found fill @ 5530' KB w/sinker bar.

(SSD)

4/10/82 Opened well after frac. Put flow to frac tank after well started making oil and made 118 Bbls fluid overnight til noon Friday. 16 hours. Half oil and half water. Baker Service Tools brought out a hydrostatic tool to clean out sand from 5514' KB to PBTD, 5564' KB. Used 118 Bbls fluid to clean out. Shut in. SDON.

(CC)

MERRION OIL & GAS CORPORATION

RITA NO. 2

Section 5, T23N, R6W

Rio Arriba County, New Mexico

1/21/82 Move tractors in to start locations.
 2/5/82 Move in, rig up Young Rig 3. Spud 12-1/4" hole.
 Set 5 joints, 215' 8-5/8" casing w/175 sx cement. Casing set @ 228' KB.
 2/6/82 Drilling @ 325
 2/7/82 Drilling @ 1750. Mud wt. 8.9, Vis. 36, Water Loss 6.
 2/8/82 Drilling @ 3025. Mud wt. 8.9, Vis. 36, Water Loss 7.
 2/9/82 Drilling @ 3990. Mud wt. 8.9, Vis. 27, Water loss 7.
 2/10/82 Drilling @ 4660. Mud wt. 8.9, Vis. 36, Water Loss 6.8.
 2/11/82 Drilling @ 5370. Mud wt. 8.9, Vis. 3.6, Water loss 6.8.
 2/12/82 TD @ 5620. Mud wt. 9, Vis. 200, Water Loss 5.
 2/13/82 Conditioned hole and trip out to collars, trip in to 2500 ft. Raise mud viscosity shallow, trip out to collars, trip back in to 2500 ft. Trip out to log. Rig up Birdwell. Ran IES Induction, and Compensated Neutron Density Logs. Trip in and lay down drill pipe. Ran casing as follows: (164 jts. @ 5265' KB.)

1'	Guide Shoe	5620' KB
41.70'	1 jt. 4.5 10.5# casing shoe	5578.3' KB
1.68'	Float Collar	5579.98' KB
1089.66'	26 jts. 4.5 10.5#/ft	4490.32' KB
1.68'	Stage Tool	4484.28' KB
4514.61	108 jts. 4.5 10.5 #/ft	5650.33' KB

Total String Length 5650.33'

Total Pipe Used 5645.97' - 135 jts. 4.5 10.5 #/ft casing.

Pipe description: New 182 jts. 4.5 10.5 #/ft Donovan J-55 U.S.A. API Stamp Collars. UF tested. Test to 4400 PSI Benmit Hydro-Testers.

1st Stage - pumped 10 Bbls water ahead. Start cement. Pump 38 Bbls Class 'H' 2% D20 cement. Density 15.4. 175 sx 1.22 yield. Displace w/16 Bbls water and 72.7 Bbls mud. Total displacement 88 Bbls. Bump plug 900 PSI. Open stage tool and circulate 2.5 hours.

2nd Stage - pump 10 Bbls water ahead. Start cement. 600 sx 220 Bbls Class 'B' 2% D-79 yield cu. ft/sx 2.06 density 12.5. Tail in w/100 sx 220 Bbls Class 'H' 2% D-20 yield 1.22 density 15.4. Displacement: 71 Bbls water. Bump plug to 2400 PSI. 8:30 AM. No cement show at surface. Wilson Service Co. ran temperature survey and found cement top @ 400' from surface.

4/6/82 Move in, rig up Bayless Rig No. 3. Dalgarno Transport. Dawn Trucking to haul frac water. Drill out stage tool @ 4485' KB w/3-7/8" Hughes bit and casing scraper. Pressure test to 4000 PSI. Bled off 50 PSI in 10 minutes. Cleaned out to PBTD @ 5575' KB.

4/7/82 Rig up Western. Swept hole w/10 Bbls gel plug and load hole w/2% KCL water w/1 gal./1000 Aquaflow. Tubing @ 5570' KB. Pull tubing ~~5570~~ 5515' KB and spot 250 gals 15% HCL across perms. Pull out of hole w/tubing. Rig up perforators. Bluejet ran Cement Bond Log and Gamma Ray Correlation Log from PBTD 5564' KB to 3100' KB and perforate Gallup per Correlation Log as follows: 6 holes from 5292' to 5302' KB. 5 holes from 5312' to 5320' KB. 7 holes from 5431' to 5443' KB. 2 holes at 5467' and 5469' KB. 2 holes at 5478' and 5480' KB. 6 holes from 5494' to 5504' KB. 28 holes Total. SDON.