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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. 1
4. Location of Well UNIT LETTER <u>E</u> <u>1680</u> FEET FROM THE <u>North</u> LINE AND <u>980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>9</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.) 6863' GL 6876' KB	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 ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIATION WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☒
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 Frank T. Chavez TITLE Operations Manager DATE 3/17/82

APPROVED BY Original Signed by FRANK T. CHAVEZ

CONDITIONS OF APPROVAL, IF ANY:

TITLE Subscribed by FRANK T. CHAVEZ

DATE MAR 18 1982

MERRION OIL & GAS CORPORATION

RITA NO. 1
 Sec. 9, T23N, R6W
 Rio Arriba County, New Mexico

- 1/27/82 Move in, rig up Young 3. Drilled 253' surface. 12-1/4 hole. Set 223' of 8-5/8" casing w/175 sx cement. WOC. Casing set @ 236' KB.
- 1/28/82 Drilling @ 1907'. Mud wt. 8.9, Vis. 37. Water loss 6.5.
- 1/29/82 Drilling @ 3150. Mud wt 819, Vis. 37, Water loss 7.
- 1/30/82 Drilling @ 4400' KB. Mud wt. 9.1, Vis. 34, Water loss 6.8.
- 1/31/82 Drilling @ 4755' KB. Mud wt. 8.8, Vis. 38, Water loss 6.
- 2/01/82 Drilling @ 5235' KB. Mud wt. 8.9, Vis. 36, Water loss 6. Gallup sandstone formation.
- 2/02/82 TD @ 5710' KB @ 5:00 AM. Currently circulating. Mud wt. 8.9, Vis. 100, Water loss 6.
- 2/03/82 Conditioned hole on bottom. Pulled up to 2500'. Raised mud viscosity. Finished tripping out. Rig up loggers. Ran IES and Compensated Density Log. Rig down loggers. Lay down drill pipe. Preparing to run casing.
- 2/04/82 TD 5710

Casing string as follows:

1 Guide Shoe	1.0	top @	5709	KB
1 Shoe Jt. 4.5" 10.5#/ft.	29.25	top @	5675.39	KB
1 Float Collar	1.68	top @	5677.07	KB
7 Jts. 4.5" 11.6#/ft.	288.11	top @	5389.96	KB
19 Jts. 4.5" 10.5 #/ft	801.00	top @	4588.96	KB
1 Stage Tool	1.68	top @	4587.28	KB
110 Jts. 4.5" 10.5 #/ft.	4634.11	top @	5756.83	KB

Total String 5756.83 Total pipe tally 5752.47

TD Geolograph 5710' KB
 TD Loggers 5732' KB
 TD casing tally 5716.78' KB.
 1 shoe joint (new) - Nine Star Yard.
 7 jts 4.5" 11.6 casing from CLU 311
 136 Joints new delivered. Ran 129 jts 4.5 10.5 #/ft.
 Bermit 4400 test K81CJ and on same tube Donovan-J-55 U.S.A. API U.F. tested.
 Collars: API stencil

Cemented 1st stage w/175 sx Class 'H' 2% gel.
 Cemented 2nd stage w/600 sx Class 'B' 2% D-79.
 Tail in w/100 sx Class 'H' 2% gel.
 Circulated to top.

- 2/06/82 Start on tank battery.
- 2/07/82 Set 2 phase vertical separator and work on hookup.
- 2/10/82 Set two 400 Bbl production tanks and work on hookup.
- 2/11/82 Work on hookup.



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Rio Arriba County, New Mexico

- 2/21/82 Move in, rig up Bayless 3. Trip in to stage collar @ 4587' KB w/bit and scraper. SDOWE.
- 2/23/82 Pressure test casing to 4000 PSIG. Held okay. Drill out stage tool @ 4587' KB. Clean out to 5677' KB. Pressure test to 4000 PSIG. Held OK. Pick up to 5640' KB. SDON.
- 2/24/82 Waiting on equipment, stuck in mud all day. Rig up Western @ 1:30 PM. Rolled hole w/1000 gal gel plug and loaded w/lease crude. Spotted 250 gals 15% HCL 1 gal/1000 Aquaflow. Trip out w/tubing.
- 2/25/82 Wait on equipment, stuck in mud. Got to location at noon w/equipment. Ran cement bond log from PBTD to top of cement @ 4973'. Ran Gamma Ray Correlation Log from PBTD 5650' to 3500' KB. Perforated w/3-1/8" casing guns in Gallup as follows: 5398 - 5408, 6 holes; 5417 - 5427, 6 holes; 5536 - 5546, 6 holes; 5572 - 5587, 6 holes; 5605 - 5614, 6 holes. Total 30 holes, .340" diameter. SDON.
- 2/26/82 Bayless Rig No. 3. Perf breakdown.
- Ran straddle packers to breakdown perfs. 6 perfs/setting - 5 settings - 30 perf total.
- First setting - 6 holes between 5605 - 5614' KB. Pumped 4.2 Bbls oil @ 4.5 BPM. 2600 PSI. Perfs communicated. ISDP 1000 PSI.
- Second setting - 6 holes between 5572 - 5587' KB. Pumped 4.4 Bbls oil @ 4.4 Bpm. 2500 PSI. Communicated. ISDP 900 PSI.
- Third setting - 6 holes between 5536 - 5546' KB. Pumped 3 Bbls oil. No communication. Pumped 3.5 Bbls 15% HCL acid. Displace w/22.5 Bbls oil. 4.2 BPM @ 2600 PSI. ISDP 1050 PSI.
- Fourth setting - 6 holes between 5417 - 5427' KB. Pumped 1 Bbl oil. Started communicating. Shut down - shut in backside and pump 3.5 Bbl 15% HCL acid and displace w/22 Bbl oil. 4.2 BPM @ 2700 PSI. ISDP 1250 PSI.
- Fifth setting - 6 holes between 5398 - 5408' KB. Pumped 3 Bbls oil. No communication. Pumped 3.5 Bbls acid and displace w/22 Bbls oil. 4.2 Bbl/minute @ 2600 PSI. ISDP 1100 PSI. SDON.
- Total acid pumped away on breakdown 10.5 Bbls.
- Total oil pumped away on breakdown 82 Bbls.
- 2/27/82 Ran 167 joints tubing and set Model R packer @ 5337.75' KB and hung tubing in head and flange up wellhead. Swab 35 Bbls oil to production tank. Started getting acid. Swab 12 Bbls. of acid mixed with oil. Swabbed dry. Shut down and release Bayless Rig 3.
- 2/28/82 - 3/10/82 Shut down for weather conditions.

MERRION OIL & GAS CORPORATION

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Sec. 9, T23N, R6W

Rio Arriba County, New Mexico

3/11/82

Rig up Tefteller to run bottom hole pressure. On bottom @ 10:00 AM 3/10/82. Results as follows:

0'	229 PSI		
1000'	441 PSI	Gradient	.212 PSI/ft
2000	799 PSI	Gradient	.358 PSI/ft
3000'	1134 PSI	Gradient	.335 PSI/ft.
4000	1463 PSI	Gradient	.329 PSI/ft.
4925'	1768 PSI	Gradient	.330 PSI/ft.
5125'	1830 PSI	Gradient	.310 PSI/ft.
5325'	1892 PSI	Gradient	.310 PSI/ft.

1946 PSIG @ mid perf - 5500'

Fluid level 445' from surface - oil - no water.

(SSD)

Open tubing to production tank. Gas blew down. No oil. Rig up Bayless Rig No. 3 and swabbed the tubing down. Well would gas and kick oil for 15 minutes after each swab run. Swabbed back 15 Bbls. Tubing dry. Total of 3 runs. Unset packer and pulled packer and all tubing. SDON.

(CCF)

3/12/82

Rig up Western. Fraced Gallup as follows:
(W/2% KCL water 1 gal/1000 Aquaflo)

20,000 Gal.	Foam Pad
10,000 Gal.	1/2 #/gal 20/40 sand
15,000 Gal.	1 #/gal 20/40 sand
25,000 Gal.	1-1/2 #/gal 20/40 sand
20,000 Gal.	2 #/gal 20/40 sand
Cut sand drop 18 balls	
6,000 Gal.	Foam Pad
3,000 Gal.	1/2 #/gal 20/40 sand
4,800 Gal.	1 #/gal 20/40 sand
8,000 Gal.	1-1/2 #/gal 20/40 sand.
6,200 Gal.	2 #/gal 20/40 sand
3,512 Gal.	Flush

Total Sand - 128,200 # 20/40

Total Water - 725 Bbls

Total N₂ - 2,209,499 SCF

Avg. Rate - 30 BPM

Avg. Pressure 3050 PSIG

ISDP - 2300 PSIG, down to 2150 in 15 minutes.

3/12/82

Shut well-in for 1 hour. Started flowing back on 1/2" choke. Blew down to 600 PSIG and put into frac tank overnight. Left flowing.

(SSD)

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- 3/13/82 Well open overnight. Made 130.25 Bbls of oil and 3.75 Bbls water - 134 Bbls total fluid, from 5:30 PM on 3/11/82 til 8:00 AM 3/12/82. 14.5 hours. Put flow to production tank and well made 44.8 Bbls in 5 hours. Avg. 8.96 Bbls/hr.
- Killed well w/oil and ran sawtooth collar on bottom w/seating nipple 1 joint off bottom to clean out sand. Trip in hole to tag sand @ 5595' KB. 65' of fill per tubing tally. Could not get circulation. Well taking all oil. Pull up above perms. Shut in. SDON. (CCM)
- 3/14/82 Tubing pressure 200 PSI. Casing pressure 300 PSI. Open tubing and well made 60 Bbls in 2 hours. Kill well and establish circulation. Clean out sand to 5660' KB PBTD/tubing tally. Pull up to 5391' KB and flange up wellhead. Well came in and made 20 Bbls in 2 hours. Tank guages @ 2:00 PM was 1'6" in each tank. Left well open. SDOWE. (CCM)
- 3/16/82 Rig shut-down waiting on weather conditions. Well made 495 Bbls in 48 hours. 10.3 Bbls/hour. 50 PSI tubing pressure. 250 PSI casing pressure. Left open to production tanks. All load recovered. Made 271 Bbls new oil.