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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.
7. Unit Agreement Name
8. Farm or Lease Name
Rita Com
9. Well No.
3
10. Field and Pool, or Wildcat
Counselors Gallup
12. County
Rio Arriba

## 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-	7. Unit Agreement Name
2. Name of Operator Merrion Oil & Gas Corporation	8. Farm or Lease Name Rita Com
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87499	9. Well No. 3
4. Location of Well UNIT LETTER <u>K</u> <u>1710</u> FEET FROM THE <u>South</u> LINE AND <u>1990</u> FEET FROM THE <u>West</u> LINE, SECTION <u>15</u> TOWNSHIP <u>23N</u> RANGE <u>6W</u> NMPM.	10. Field and Pool, or Wildcat Counselors Gallup
15. Elevation (Show whether DF, RT, GR, etc.) 6923' KB, 6910' 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 ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

OTHER ☐

### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER ☒ Plug Back Depth, Well History  
First Production

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 1703.

PBTD - 5621' KB.

Attached is a copy of the Well History.

First Production was 7/11/83.

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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 7/13/83

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE JUL 19 1983

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

Rita Com No. 3  
Sec. 15, T23N, R6W  
Rio Arriba County, New Mexico

5/22/83 Move in, rig up Young Rig 2. Spud 5/21/83.  
TD 220. Current operation waiting on cement. Set 5 joints,  
200' of 8-5/8, 24 #/ft, surface casing @ 212' KB with 170 sx  
Class C, 2% CaCl.

5/23/83 TD 2570. Current operation drilling. Mud wt. 9.1, Vis. 42,  
Water Loss 4.8. Surveys: 1277 - 3/4°, 2478 - 1°.

5/24/83 TD 3440. Current operation drilling. Mud wt. 9+, Vis. 35, Water  
Loss 6. Survey: 3137' - 1/2°.

5/25/83 TD 4200. Current operation drilling. Mud wt. 9.1, Vis. 35, Water  
Loss 6. Survey: 3137' - 1/2°.

5/26/83 TD 4827. Current operation drilling. Mud wt. 9.1, Vis. 36, Water  
Loss 7.

5/27/83 TD 4924. Current operation drilling. Mud wt. 9, Vis. 48, Water  
Loss 7.

5/28/83 TD 5314. Current operation drilling. Mud wt. 9, Vis. 35, Water Loss  
7. Survey: 4921' - 1°.

5/29/83 TD 5670. Current operation circulating for logs. Reached TD @ 3:50 AM.  
Sunday, 5/29/83. Rig circulating and tripping to condition the hole for  
logs. Trip out of hole. Rig up Welox to log @ 2:00 PM Sunday. Induction  
Log on bottom @ 2:45 PM. Logged from 5675' KB to surface. Got logging  
tool stuck @ 960' KB. Worked tool free in 45 minutes. Decided not to  
try Density log. Rigged down loggers and trip in hole with drill collars  
and pipe. Had no trouble getting on bottom. No fill. Trip out of hole  
laying down drill pipe and collars. Run casing.  
Drillers TD 5670' KB.  
Loggers TD 5675' KB.  
135 joints casing - 5689.95' total casing run.

Item	Length	Depth, KB
Bakerline Guideshoe	1'	5675'
1 joint 4.5" casing shoe joint	42.20'	5621.80'
Bakerline differential fill float	1.68'	5630.12'
22 joints 4.5" casing (10.5# Allesio)	927.51'	4702.61'
Bakerline Stage Tool	1.68'	4700.93'
112 joints 4.5" casing (10.5# Allesio)	4720.24'	19.22' above :

Total string - 5694.31'  
Rolled out 10 joints and left on location. (CCM)

Pump 10 Bbls water ahead of 225 sx Class H (274.5 cu. ft.) with 2%  
D-20. Yield 1.22 cu. ft/sk. Density 15.4. Cement mixed. Washed  
up pump and lines, displaced with 90 Bbls. Bumped plug to 1100 PSI.  
Bled off pressure and float held good. Plug down @ 5:30 AM 5/30/83.  
Opened Stage Tool and rig circulated until 8:45 AM.

Stage 2: Pump 10 Bbls water ahead of 700 sx Class B (1442 cu. ft.) 2%  
D-79. Yield 2.06 cu. ft/sk. 12.5 density. Mix and pump 100 sx Class  
H (122 cu. ft.) 2% D-20. Yield 1.22 cu.ft/sk. Density 15.4. All  
cement. Wash up pump and lines. Displace with 75 Bbls water.  
Circulated 50 Bbls cement to surface. Bumped plug to 2700 PSI. Bled  
off pressure. Held good. Rigged down cementers. Rigged down BOPs.  
Set casing in slips with string weight, as cemented. Cut off casing.  
Preparing to move to Canada Mesa Com No. 4.

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MERRION OIL & GAS CORPORATION

Rita Com No. 3  
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6/3/83 Set 2- 400 Bbl API tanks and PESCO 3 Phase Production unit.

6/04 Work on installation of surface equipment.

6/07/83 Work on installation of surface equipment.

6/08/83 Complete installation of surface equipment.

7/6/83 Move in, rig up Star W. Rig No. 7. Picked up 3-7/8" bit, Baker casing scraper on 2-3/8" tubing. Trip in hole. Tagged stage tool and pressure tested with rig pump to 3500 PSI. Drilled out stage tool and pressure tested to 4000 PSI with rig pump. Shut down overnight.

7/7/83 Finished cleaning out to bottom with bit and scraper. PBTD 5621' KB, tubing tally. Trip out of hole with tubing, bit and scraper. Rig up Pengo Wireline Service, Nat Nygren. Ran Gamma-Ray Correlation Log from 5623' KB up to 4200' KB and perforated per Induction, Electric Gamma Log as follows with 3-1/8" guns.

5212 - 16', 3 holes; 5246 - 48', 2 holes; 5362 - 5368', 4 holes;  
5389 - 5391', 2 holes; 5495 - 5503', 5 holes; 5538 - 5542', 3 holes;  
5567 - 5575', 5 holes. Total 24 holes.

Trip in hole with Baker Service Tools straddle tools to 5580' KB. Rig up Western Co. Rolled the hole with 10 Bbl gel plug and loaded the hole with 2% KCL water with 1 gal/1000 Aquaflow and spotted 250 gal. 15% HCL with 1 gal/1000 Aquaflow across the perfs. Set on 1st setting with straddle tools and communicated @ 1500 PSI. Pull to blank pipe to test packers. Communicated same. Trip out of hole with straddle packers. Shut down overnight.

7/8/83 Trip in hole with a new set of straddle tools and breakdown as follows:

5 holes, 5567 - 75' KB, pumped in @ 1800 PSI, 4 BPM, ISIP 450 PSI. Communicated up the casing.

3 holes, 5538 - 42' KB, pumped in @ 2500 PSI, 4 BPM, ISIP 500 PSI.

5 holes, 5495 - 5503' KB, pumped in @ 2200 PSI, 3.5 BPM, ISIP 850 PSI.

2 holes, 5389 - 91' KB, pumped in @ 2300 PSI, 3 FPM, ISIP 900 PSI.

4 holes, 5362 - 68' KB, pumped in @ 2000 PSI, 3 BPM, ISIP 800 PSI.

2 holes, 5246 - 48' KB, pumped in @ 1800 PSI, 3 BPM, ISIP 500 PSI.

3 holes, 5212 - 16' KB, pumped in @ 2000 PSI, 3 BPM, ISIP 500 PSI.

Dropped packers below the perfs. Rigged up Western N<sub>2</sub> to evacuate the hole with N<sub>2</sub>. Trip out of hole with tubing and straddle tools. Rigged up Western Co. to frac.

Frac as follows: (75 Quality Form)

20,000 Gal.	Foam Pad
5,000 Gal.	1 #/gal. 20/40 sand
5,000 Gal.	1.5 #/gal. 20/40 sand
5,000 Gal.	2 #/gal. 20/40 sand
10,000 Gal.	2.5 #/gal. 20/40 sand
10,000 Gal.	3 #/gal. 20/40 sand
13,000 Gal.	3.5 #/gal. 20/40 sand
10,625 Gal.	4 #/gal. 20/40 sand
3,547 Gal.	Foam Flush

Total Sand - 165,500 lbs 20/40 sand  
Avg. Rate - 25 BPM. Avg. Pressure 2850 PSI.  
Max. Pressure 2950 PSI. Minimum Pressure 2800 PSI.  
ISDP 2200 PSI. Final Shut in Pressure - 2100 in 15 minutes.  
Total Water 0 461 Bbls.  
Total N<sub>2</sub> - 1,619,447 SCF.  
Avg. N<sub>2</sub> Rate - 20,692 SCF/minute.

Shut well in 2 hours. Flowed well back to reserve pit through 1/2" positive choke. Pressure @ 1800 PSI in 1 hour making a little sand. No oil. Left flowing to reserve pit for 5 hours. Pressure @ 800 PSI. Put flow to frac tank through 1/2" choke overnight. Shut down overnight.

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- 7/9/83 Well flowing to frac tank overnight. Made 31 Bbls of fluid flowing @ 150 PSI through 1/2" choke. Took choke out of line, tested well. Making gas - little oil. Started in the hole with sinker bars on sand line. Well started kicking. Pulled sand line out of the hole. Tested well 2 hours. 1st hour, 9 Bbls, 30 PSI flowing. 2nd hour, 9 Bbls, 30 PSI flowing. Killed well with lease crude and tripped in the hole with 2-3/8", saw-tooth collar on bottom, seating nipple one joint off bottom. Tagged sand @ 5560' KB. Bottom set of perfs covered. Pump away 125 Bbls. Could not keep circulation. Pulled 10 stands. Shut in casing. Left tubing open to frac tank. Shut down overnight.
- 7/10/83 Well dead. Trip out of hole with 2-3/8" tubing. Trip in hole with hydrostatic cleanout tool on 2-3/8" tubing. Cleaned out 90' of sand from 5531' KB to 5621' KB. Trip out of hole with tubing and bailer. Trip in hole with 2-3/8" tubing, saw-tooth collar on bottom. Seating nipple 1 joint off bottom. Landed tubing in wellhead. 166 joints of 2-3/8" tubing (5177.73') @ 5190.73' KB.
- 7/11/83 Turned well over to production department.

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