

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease  
State  Fee

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.)

OIL WELL  GAS WELL  OTHER

Name of Operator

Merrion Oil & Gas Corporation

Address of Operator

P. O. Box 1017, Farmington, New Mexico 87499

Location of Well

UNIT LETTER M 890 FEET FROM THE South LINE AND 760 FEET FROM  
THE West LINE, SECTION 5 TOWNSHIP 23N RANGE 6W NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

Rita

9. Well No.

No. 5

10. Field and Pool, or Wildcat

Counselors Gallup Ext.

15. Elevation (Show whether DF, RT, GR, etc.)

6820' GL

12. County

Rio Arriba

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

PLUG AND ABANDON

TEMPORARILY ABANDON

CHANGE PLANS

DRILL OR ALTER CASING

OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK

ALTERING CASING

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

CASING TEST AND CEMENT JOB

OTHER Well History

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.

Copy of Well History attached.

RECEIVED  
MAR 12 1984  
OIL CON. DIV.  
DIST. 3

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 3/9/84

APPROVED BY Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

DATE MAR 12 1984

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

RECEIVED  
MAR 12 1984  
OIL CON. DIV  
DIST. 3

Rita No. 5  
Sec. 5, T23N, R6W  
Rio Arriba Co., New Mexico

2/9/84 Day No. 1. TD 750. Current operation drilling. Mud wt. 8.7, vis. 34, Water Loss 7. Survey: 230' - 1-1/2, 520' - 3/4. Set 5 joints of 8-5/8" surface casing @ 218' KB with 175 sx (206.5 cu. ft.) cement.

2/10/84 Day No. 2. TD 2877. Current operation: wash to bottom. Mud wt. 8.9, Vis. 35, Water Loss 7. Survey: 964' - 3/4, 1458 1-1/4, 1968 - 1/2, 2482' - 1/2, 2877' - 1/2.

2/11/83 Day No. 3. TD 3900. Current operation drilling. Mud wt. 9, Vis. 35, Water Loss 7. Survey: 1458' - 1-1/4, 1968' - 1/2, 2482' - 1/2.

2/12/83 Day No. 4. TD 4740. Current operation drilling. Mud wt. 9, Vis. 36, Water Loss 7.5. Survey: 3405' - 1, 3911' - 1, 4431 - 1-3/4.

2/13/84 Day No. 5. TD 5395. Current operation drilling. Mud wt. 9, Vis. 36, Water Loss 8. Survey: 4929' - 1/2.

2/14/84 Day No. 6. TD 5665. Current operation logging. Mud wt. 9, Vis 104, Water Loss 7. Survey: 5442' - 3/4, 5665' - 1-1/4.

2/15/84 Drillers T.D. 5665' KB  
Loggers T.D. 5650' KB  
Casing T.D. 5661' KB

ITEM	LENGTH	DEPTH KB
Guideshoe	.80'	5661'
#1 joint Shoejoint	31.10'	
Float Collar	1.72'	5627.38'
2-36-35 joints 4.5" casing	1081.31'	
Stage Tool	1.74'	4546.07'
#37-188-joints 4.5" casing	4573.62'	
	5690.29' total string	29.29' above KB

187 joints (5656.07') of pipe.  
Rolled out 11 joints from tally plus 14 joints not in tally.  
Rolled out total of 25 joints. Rolled in joint #188 to cement and layed down. Rigged up Dowell Iron and circulated the last joint down. Circulated with rig pump to lower mud viscosity to 50-60 sec. visc. and cemented 1st stage. Cement with 225 sx Class H cement, 2% gel. Yield 1.22 cu.ft./sk (274.5 cu.ft.), density 15.4#/gal., 49 Bbls of slurry. Shut down, wash up pump and lines, dropped plug and displaced with 15 Bbls water and 72.7 Bbls mud. Total of 87.7 Bbls displacement. Bumped plug to 1500 psi. Bled pressure off. Float held good. Dropped bomb and opened stage tool. Turned over to rig to circulate. 1st

plug down 11:15 2/14/84. Circulate 3 hours.  
2nd stage cement. Pump 10 Bbls water ahead of 700 sx Class B cement with 2% D-79 chemical extender. Yield 2.06 cu.ft/sk (1442 cu.ft.), density 12.5, 256 Bbls slurry. Mix and pump 100 sx Class H cement with 2% gel. Yield 1.22 cu.ft./sk (122 cu.ft.) density 15.4, 22 Bbls slurry. Shut down. Wash pump and lines. Displace with 70.4 Bbls water. Plug down at 3:35am 2/15/84. Start rig move to Enchilada #1.

2/16/84 Wilson Service ran temperature survey. Found top of cement @ 400', PBTD 4493.

2/22/84 Start on surface equipment installation.

2/23/84 Work on installation of surface equipment.

2/24/84 Complete installation of surface equipment.

Rita No. 5

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3/2/84 Day No. 1. Summary: Drill out and pressure test. Move in, rig up Star W Well Service. Pick up 3-7/8" bit, casing scraper, 2-3/8" EUE 4.7 #/ft. J-55 tubing. Trip in and tag stage tool @ 4546' KB. Drill out. Pressure test to 4000 PSI, OK. Clean out to PBTD @ 5627' KB. Pressure test to 4000 PSI. Held good. Pull 10 stands, shut down overnight.

3/3/84 Cleaned out to PBTD 5627' KB. Western pressure tested to 4000 PSI. Held good. Pulled to bottom of perfs and rolled the hole with gel plug and spotted 350 gal. 15% HCL across perfs. Trip out of hole with tubing, bit and scraper. Rig up Pengo. Ran Gamma-Ray Correlation Log from (5615' KB corrected depth) 5625' KB uncorrected depth to 4200' KB and 2700' KB to 2400' KB. Perforate per open hole Density Log, 24 holes select fire, size .34, 1 hole each @:

5091, 5097, 5217, 5223, 5323, 5326, 5329, 5332, 5347, 5351, 5457, 5460, 5463, 5466, 5469, 5497, 5500, 5504, 5510, 5526, 5529, 5532, 5535, 5538' KB.

Rigged down Pengo. Rig up Western Co. and ball-off perfs. Pump down casing for break down. Pump 5.5 BPM @ 1400 PSI, ISIP 600 PSI. Start acid and ball sealers. Pump 500 gal. 15% HCL. 3 balls/Bbl. 40 balls total. Balls on perfs. Still pumping 2 BPM @ 3000 PSI. Flow balls off perfs. Rig up Pengo, ran junk basket and retrieved 39 balls. 23 hits. Shut well in. Shut down over weekend.

3/6/84 Day No. 3. Rig up Western Co. to frac. Frac as follows with 75 Quality Foam, 1 gal/1000 Aquaflow, 2% KCL:

20,000 Gal.	Foam Pad
5,000 Gal.	1 #/gal. 20/40 sand
5,000 Gal.	1-1/2 #/gal. 20/40 sand
1,250 Gal.	2 #/gal. 20/40 sand
3,547 Gal.	Foam Flush

Blender malfunctioned, unable to pump so flushed away sand.

Total Sand 15,000 Lbs.

Shut-in 1 hour. Opened on choke to reserve pit and blew well down. Put to stock tank overnight. Will re-frac.

3/7/84 Day No. 4. Well flowing through 1/2" positive flow choke over night flowing @ 200 PSI. Took choke out of line. Flowing 100 PSI. Nitrogen and water mist a little oil color. Shut well in rig up Western Co. to frac with 75 Quality Foam, 2% KCL water, 1 gal/1000 Aquaflo.

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.	3-1/2 #/gal. 20/40 sand
10,625 Gal.	4 #/gal. 20/40 sand
3,547 Gal.	Foam Flush

Avg. Pressure - 3,000 PSI.

Avg. Rate - 25 BPM. Total Water 490 Bbls. ISIP 2700 PSI. Shut in pressure after 15 minutes 2300 PSI. N2 rate 19,612 SCF/minute. Total 1,501,497 SCF. Total Sand - 165,000 Lbs. 20/40 sand. Shut well in 1 hour. Flow well back to reserve pit til pressure down and flow to tank overnight through 1/2" positive flow choke. Shut down overnight.

3/8/84 Day No. 5. Well flowing to frac tank overnight through 1/2" positive flow choke. Made 50 Bbls - mostly oil. Took choke out of line and tested well. Made 10 Bbls oil in 1 hour flowing 50 PSI. Killed well and tripped in hole with Baker hydrostatic bailer. Tagged sand @ 5487' KB. Cleaned out 100' of sand on the 1st run. Bailer quit working. Tripped out of hole. Cleaned out bailer. Tripped in hole with bailer and cleaned 40' to bottom. 5625' KB by tubing. Tripped out of hole with 2nd bailer run. Left casing open to tank. Shut down overnight. Total water pumped to kill and clean out - 100 Bbls.

3/9/84 Day No. 6. Summary: Ran production string. Well flowing. Well open overnight through 4-1/2" casing to production tank. Made 120 Bbls fluid. Killed well, ran tubing string, tagged bottom. No sand fill. Pulled tubing to leave 169 joints 2-3/8" tubing @ approximately 5300' KB. Landed tubing and installed wellhead. Well started flowing. Left well to production tank bypassing the separator. Rig down, move off to Enchilada No. 1