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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

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.)

1. <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator Marion Oil & Gas Corporation	8. Farm or Lease Name Glenmorangie
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87401	9. Well No. 1
4. Location of Well UNIT LETTER <u>M</u> <u>790</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM THE <u>West</u> LINE, SECTION <u>9</u> TOWNSHIP <u>23N</u> RANGE <u>6W</u> N.M.P.M.	10. Field and Pool, or Wildcat
11. Elevation (Show whether DF, RT, GR, etc.) 6789 GL 6802 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 ☐

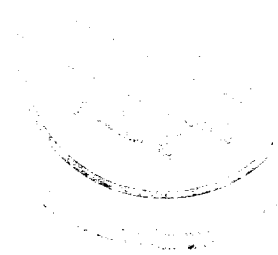
SUBSEQUENT REPORT OF:

PERFORM REMEDIAL 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 4/7/82

APPROVED BY Original Signed by FRANK T. CHAVEZ

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

GLENMORANGIE No. 1

Sec. 9, T23N, R6W

Rio Arriba County, New Mexico

2/14/82 Move in, rig up. Spud 12½" hole @ 7:45 PM.
 2/15/82 Total depth of 237'. Set 224' 8-5/8: surface @ 237' w/175 sx class 'B' cement.
 2/16/82 Drilling @ 2460'. Mud wt. 8.8, Vis. 34, Water Loss 4.8.
 2/17/82 Drilling @ 3385. Mud Wt. 9.0. Vis 35. Water Loss 5.2.
 2/18/82 Drilling @ 4362. Mud Wt. 8.8, Vis. 33, Water Loss 5.2.
 2/19/82 Drilling @ 4895. Mud wt. 8.9, Vis. 34, Water Loss 6.2.
 2/20/82 Drilling @ 5450. Mud wt. 8.9, Vis. 36, Water Loss .6.
 2/21/82 TD @ 5635'. Circulate and condition hole for logs. Trip out to collars and back to 2500'. Mud up shallow and circulate. Trip out to collars and back to 2500'. Circulate. Trip out. Rig up Dresser Atlas. 1st log to bottom @ 6:00 AM. Logging.
 2/22/82 Ran IES Induction and Compensated Neutron-Density Logs. Rig down loggers. Lay down drill pipe. Rig to run casing. Ran as follows:

1	'	Guide Shoe		5625' KB
41.58'		Shoe joint	Top @	5583.42' KB
1.68'		Float Collar	Top @	5581.74' KB
1110.25'		27 jts. 4.5 10.5#/ft casing	Top @	4451.49' KB
1.68'		Stake Tool	top @	4449.81' KB
4466.1	'	10 jts. 4.5 10.5 #/ft casing		17' above KB

4½ casing set @ 5625' KB. 13 ft. above ground reference.

Total string length w/tools 5642.29'.

Total Pipe ran - 135 joints 4.5 10.5 #/ft casing.

Total pipe rolled out and left on location 13 joints - 541.18'

Casing description: 94 joints new haul. Donovan J-55 U.S. A.
 UF tested 4.5 10.5 #/ft casing
 Benmit hydrotest to 4400 PSI
 54 joints transfer from Rita No. 2.

Cement:

Stage 1. Pump 10 Bbls H₂O ahead of cement. Pump 175 sx Class H 2% D-20 cement. Yield 1.34 cu. ft/sx. Shut down, wash lines. Drop plug and displace w/18 Bbls water and 72 Bbls drilling mud. Bump plug to 1500 PSI. Float held OK. Drop opening bomb and circulate 3 hours.

Stage 2. Pump 10 Bbls water ahead of cement. Pump 600 sx Class B 2% D-79 cement. Yield 2.06 cu. ft/sx. Tail in w/100 sx Class H 2% D-20 yield 1.34 cu. ft/sx. Shut down. Drop plug and displace w/71 Bbls water. Bump plug to 3,000 PSI @ 6:30 AM. Call for temperature survey.

2/24/82 Temperature survey - Wilson Service Co., found top of cement @ 350' KB.

MERRION OIL & GAS CORPORATION

GLENMORANGIE No. 1
 Sec. 9, T23N, R6W
 Rio Arriba County, New Mexico

3/25/82 Set 400 Bbls production tank.
 3/26/82 Dress 400 Bbl production tank and set separator.
 Pressure test casing to 4000 PSIG for 10 minutes, held good. Set tubing @ 5532' KB. Rig up Western Co. Roll hole w/10 Bbl gel plug and load w/2% KCL water w/1 gal./1000 Aquaflow. Spot 250 gals. 15% HCL on bottom. Trip out w/tubing. Rig up Blue Jet. Ran Cement Bond Log and Gamma Ray Correlation Log from 5589' KB to 3400' KB. Top of cement @ 5810' w/good bond on 1st stage. Perforated Gallup as follows:

4928 - 34	4 holes
4950 - 59	6 holes
5181 - 83	2 holes
5261 - 69	4 holes
5288 - 98	6 holes
5310 - 20	6 holes
5425 - 40	6 holes
5461 - 64	2 holes
5470 - 73	2 holes
5494 - 5500	6 holes. Shut down overnight.

'82 Trip in w/Baker Straddle Packers. Set on perfs 5494 - 5500' - 6 holes. Unable to breakdown @ 4000 PSI. Set on perfs @ 5470 - 5473 - 2 holes. Communicated. Moved to 5461 - 5464 - 2 holes. Pump in @ 4.3 BPM @ 1700 PSIG, partial communication. ISDP 400 PSIG. 5425 - 5440' - 6 holes. Pump in @ 5 BPM @ 2400 PSIG. ISDP 500 PSIG. (Check settings and adjust depth). Set @ 5310 - 5320' - 6 holes. Unable to breakdown @ 2400 PSIG. Set @ 5287 - 5297'. Broke down 4.9 BPM @ 2350 PSIG. ISDP 700 PSIG. Packers would not set. Trip part way out and SDON.
 3/28/82 Rig crew stuck going into location. Roads impassible. SDOWE.
 3/30/82 Trip down to 5500 ft. KB. Spot 500 gals. 15% HCL w/1 gal./1000 Aquaflow. Trip out, replace straddle packers. Trip in 65 stands. Shut-down because wind too strong.
 3/31/82 Trip in w/straddle packers. Broke down all zones. Perforation breakdown:
 Setting No. 1 @ 5494 - 5500' KB. Pumped in @ 800 PSI. Communicated 6 holes.
 Setting No. 2 @ 4370 - 5473' KB. 2 holes. Communicated @ 800 PSI.
 Setting No. 3 @ 5461 - 5464' KB. 2 holes. Communicated @ 1100 PSI.
 Setting No. 4 @ 5425 - 5440. 6 holes. No communication. Broke @ 1100 PSI. ISDP 800.
 Setting No. 5 @ 5310 - 5320' KB. 6 holes. Broke @ 1200 PSI. ISDP 850.
 Setting No. 6 @ 5287 - 5297' KB. Broke @ 1200 PSI. ISDP 900. 6 holes.
 Setting No. 7 @ 5260 - 5268' KB. 4 holes. Broke @ 1800 PSI. 1000 ISDP.
 Setting No. 8 @ 5182 - 5184' KB. 2 holes. Broke @ 1300 PSI. ISDP 500.
 Setting No. 9 @ 4949 - 4958' KB. 6 holes. Broke @ 2000 PSI. ISDP 700.
 Setting No. 10 @ 4927 - 4933' KB. 4 holes. Broke @ 1800 PSI. ISDP 600.
 Rig up Western and blew casing dry. Put on test w/1/8" orifice plate. Left open.

MERFION OIL & GAS CORPORATION

GLENMORANGIE No. 1

Sec. 9, T23N, R6W
Rio Arriba County, New Mexico

4/1/82

Well on test overnight. Made 0 gas. 200' fluid in hole. Made 1 swab run. Made 1/2 Bbl water w/acid. No gas. No oil. Pull tubing from 5500' KB. Rig up Western Company to frac Gallup w/75 quality foam and 1 gal./1000 Aquaflow, 2% NCL as follows:

20,000 Gal.	Foam Pad
5,000 Gal.	1/2 #/gal. 20/40 sand
10,000 Gal.	1 #/gal. 20/40 sand
15,000 Gal.	1-1/2 #/gal. 20/40 sand
15,000 Gal.	2 #/gal. 20/40 sand
13,000 Gal.	2-1/2 #/gal. 20/40 sand
Cut sand - drop 16 ballsealers.	
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
10,000 Gal.	2 #/gal. 20/40 sand
10,000 Gal.	2-1/2 #/gal. 20/40 sand
12,000 Gal.	3 #/gal. 20/40 sand
Cut sand - drop 16 ballsealers.	
10,000 Gal.	Foam Pad
3,000 Gal.	1/2 #/gal. 20/40 sand
4,000 Gal.	1 #/gal. 20/40 sand
4,000 Gal.	1-1/2 #/gal. 20/40 sand
4,000 Gal.	2 #/gal. 20/40 sand
4,000 Gal.	2-1/2 #/gal. 20/40 sand
7,000 Gal.	3 #/gal. 20/40 sand
3,531 Gal.	75 Quality Foam Flush

Total Sand 247,750 lbs. 20/40 sand

Total Water 46,758 Gals.

Total N₂ 3,646,500 SCF

Avg. Rate 30 BPM

Avg. Pressure 2850 PSI

ISDP 2200 PSI

Shut in 2 hours. Open well to pit. Put flow to frac tank @ 800 PSI in 9 hours. Started making a little oil. Open overnight.

4/2/82

Well flowing, made 104 Bbls total liquid in 10 hours. 150 PSIG flowing pressure on 3/8" choke. Removed choke. Pressure dropped to 75 PSIG. Sample indicated flowing 60% water, 40% oil. Ran sinker bar found fill @ 5495'. Flowed well remainder of day. Drained water off - estimated 61 Bbls. Flow test as follows:

12:00 - 1:00 PM	9.09 Bbls
1:00 - 2:00 PM	6.16 Bbls
2:00 - 3:00 PM	6.85 Bbls
3:00 - 4:00 PM	6.54 Bbls
4:00 - 5:00 PM	6.70 Bbls

Left flowing overnight.