

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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| | |
|---|------------------------------|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| E-291-5 | |

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER <input type="checkbox"/> | 7. Unit Agreement Name |
| Name of Operator Merrion Oil & Gas Corporation | 8. Farm or Lease Name Canyon Largo Unit |
| Address of Operator P. O. Box 1017, Farmington, New Mexico 87499 | 9. Well No. 335 |
| Location of Well UNIT LETTER <u>F</u> <u>1620</u> FEET FROM THE <u>North</u> LINE AND <u>1750</u> FEET FROM THE <u>West</u> LINE, SECTION <u>32</u> TOWNSHIP <u>25N</u> RANGE <u>6W</u> NMPM. | 10. Field and Pool, or Wildcat Devils Fork Gallup |
| 15. Elevation (Show whether DF, RT, GR, etc.) 6785' GL | 12. County Rio Arriba |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

| | | | |
|--|---|---|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| | | OTHER <u>Well History Attached</u> <input type="checkbox"/> | |

7. 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.

Well History Attached.

RECEIVED
APR 03 1984
OIL CON. DIV.
DIST. 3

8. 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 4/2/84APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE APR 03 1984

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

CANYON LARGO UNIT 335
Sec. 32, T25N, R6W
Rio Arriba Co., New Mexico

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DIST. 3

3/3/84 Day No. 1 TD 555. Spud 4:30 PM. Drilled to 230' KB. Set 5 joints 8-5/8", 210.22', @ 222' KB with 175 sx (360.5 cu. ft.). Circulated 3 Bbls to surface. Pressure tested to 600#. Held OK.

3/4/84 Day No. 2. TD 2799. Current operation drilling. Mud wt. 9, Vis. 3.5, Water Loss 6.8. Survey: 230' - 1, 740' 3/4, 1175' - 1-1/2, 1578' - 1-1/2, 1998' - 1-1/2, 2517' - 2, 2645' - 1-3/4.

3/5/84 Day No. 3. TD 3590. Current operation drilling. Mud wt. 9, Vis. 36, Water Loss 7. Survey: 3111' - 1-3/4.

3/6/84 Day No. 4. TD 4350. Current operation drilling. Mud wt. 9, Vis. 34, Water Loss 7. Survey: 3111' - 1-3/4.

3/7/84 Day No. 5. TD 5079. Current operation drilling. Mud wt. 9, Vis. 36, Water Loss 6.8. Survey: 4600' - 1/2.

3/8/84 Day No. 6. TD 5588. Current operation drilling. Mud wt. 9, Vis. 35, Water Loss 7.2. Survey: 5096' - 1.

3/9/84 Day No. 6. TD 6071. Current operation drilling. Mud wt. 9, Vis. 35, Water Loss 6.9. Survey: 5575' - 2, 6071' - 3.

3/10/84 Day No. 7. TD 6400' KB. Rig up Welex. Run IES Induction and Compensated Density Logs. Loggers TD @ 6402' KB. Rig down loggers. Lay down drill pipe. Run 4-1/2" casing and cement. Details of casing job on tomorrow's report. (DE)

3/11/84 Casing Detail: Drillers TD (Strap) 6409' KB. Loggers TD - 6402' KB. Casing TD 6397.89' KB.

| Item | Length | Depth' KB |
|--|----------|-------------------------|
| Guideshoe | .80' | 6397.89' |
| #1 joint, Shoe joint | 41.15' | |
| Float Collar | 1.72' | 6354.22' |
| Joint # 2 - 28, 27 Joints 4-1/2 | 1110.33 | |
| Stage Tool | 1.74 | 5242.15' |
| Joint # 28 - 156, 128 joints 4-1/2" casing | 5261.42' | |
| Total String | 6417.16' | 19.27' out 22.00' in |

Ran 156 joints 4.5, 6412.90' threads off.

Rolled out 9 joints (#157 - 165).

Circulate last joint down. Circulate on bottom 1-1/2 hours to lower viscosity to 47 sec. viscosity. Rig up cementers and cemented 1st stage. Pumped 10 Bbls water ahead of 1/4# cellophane flake and 225 sx Class H cement with 2% gel, yield 1.22 cu. ft/sk, 274.5 cu. ft., density 15.4 #/gal, 49 Bbls slurry. Shut down, wash up lines. Drop plug. Displace with 101 Bbls water and mud. Plug down @ 7:05 3/10/84. Bump plug to 1000 PSI. Bleed back pressure, check float. Float not holding. Pressure up again. Bleed back, check float. Float not holding. Pressure up again. Bleed back, check float. Float not holding. Pressure up and leave for 2-1/2 hours. Bleed pressure off. No flow back. Dropped bomb. Wait 30 minutes and opened stage tool to circulate between stages, 30 minutes -- 10:50 PM.

2nd stage: Pump 10 Bbls water ahead of 700 sx Class B cement with 2% D-79 chemical extender, 2.06 cu.ft/sk., 1442 cu. ft., 12.5 #/gal density. Tail in with 1/4# cellophane flake and 100 sx Class H cement with 2% gel, 1.22 cu. ft/sk, 122 cu. ft., density 15.4 #/gal, 22 Bbl slurry. Shut down, wash up pump and lines. Drop plug. Plug did not fall. Baker hand jammed plug and ordered 2 Bbls of water pumped to force plug. Plug still did not release. Baker hand had not pulled safety pin far enough out on head and jammed plug between pin and head. Finally got pin pulled out and plug fell. Began displacement. Bumped plug with 87 Bbls water. Went 1-1/2 Bbls over calculated displacement after taking 2 Bbls off for water in front of plug. Plug down @ 12:25 AM, 3/12/84. Pressure up. Bled back pressure to check plug. Bled back 1 Bbl water. Plug holding. Set slips as cemented with string weight. Rig down cementers, began moving Four Corners Rig 10 to Salazar G 22-1. (DE)
(Joints 1 - 72, 4-1/2" NKK, 10-1/2#, J-55 ST&C casing transferred from CLU 333. Joints 73 - 165, Bentler Seamless N-80, 10-1/2#, LT&C transferred from Nine Star Yard.)

Work on installation of surface equipment. Wilson Service ran temperature survey. Top of cement 1800'. TD 5250'.

MERRION OIL & GAS CORPORATION

Canyon Largo Unit 335 Com.
Sec. 32, T25N, R6W
Rio Arriba County, New Mexico

3/17/84 Work on surface equipment installation.

3/20/84 Complete installation of surface equipment.
Labor cost: \$3800.00. (JCA)

3/22/84 Summary: Rig up and drill out. Move in, rig up Star W Well Service. Rigged up BOPs. Trip in hole with 3-7/8" bit and casing scraper. Picking up new 2-3/8" EUE tubing. Tagged stage tool @ 5242' KB and pressure tested to 4000 PSI. Held good. Drill out stage tool and clean out to 6354' KB, PBTD. Pressure test casing to 4000 PSI. Held good. Pull 1 stand. Shut down overnight.

3/23/84 Summary: Spot acid. Log. Perforate and straddle pack. Day No. 2. Rigged up Western Co. Rolled the hole with 10 Bbl gel plug. Loaded the hole with lease oil, 1 gal/1000 Aquaflo. Spotted 250 gal. 15% HCL, 1 gal/1000 Aquaflo across perms. Trip out of hole with 2-3/8" tubing, bit and scraper. Rig up Pengo Wireline. Wireline TD 6355' KB. Ran Gamma-Ray Correlation Log from 6355' KB - 4700' KB. Perforate per Open Hole Density Log, 22 holes, .34 size.

5928, 5937, 5950, 5961, 5971, 5984, 6002, 6025, 6027, 6029, 6031, 6048, 6127, 6134, 6142, 6157, 6179, 6205, 6208, 6230, 6244, 6257. Rigged down Pengo. Trip in hole with Baker Service straddle tools and breakdown perms in 12 settings as follows:

2 holes, 6244 and 57' KB, pump in @ 2900 PSI, 3.2 BPM, ISIP 1100 PSI.

1 hole, 6230' KB, broke @ 2100 PSI, 3 BPM @ 3400 PSI, ISIP 1100 PSI.

2 holes, 6205 and 6208' KB, broke @ 2900 PSI, pump in @ 3300 PSI, 2.8 BPM, ISIP 1900 PSI.

1 hole, 6179' KB, pump in @ 3800 PSI, 2.5 BPM, ISIP 1800 PSI.

1 hole, 6157' KB, pump in @ 4000 PSI, 2.6 BPM, ISIP 1700 PSI.

3 holes, 6127, 6134, 6142' KB, pump in 3200 PSI @ 3.3 BPM, ISIP 1700 PSI.

1 hole, 6048' KB, pump in @ 3900 PSI, 2.7 BPM, ISIP 1100 PSI.

4 holes, 6025, 6027, 6029, 6031' KB, pump in @ 3100 PSI, 4 BPM, ISIP 800 PSI.

1 hole, 6002' KB, pump in @ 3500 PSI, 2.7 BPM, ISIP 700 PSI.

2 holes, 5971 and 5984' KB, pump in @ 3800 PSI, 2.5 BPM, ISIP 900 PSI.

2 holes, 5950' and 5961' KB, pump; in @ 3700 PSI, 3.0 BPM, ISIP 1700 PSI.

2 holes, 5928 and 5937' KB, pump in @ 4000 PSI. 2.6 BPM, ISIP 1600 PSI. Pulled 10 stands. Shut well in. Shut down overnight.

3/23/84 Day No. 3. Summary: Frac Gallup with gelled oil and 170,000 Lbs. sand. Finish tripping out of hole with 2-3/8" tubing and Baker straddle tools. Rigged up Western Co. to frac with Max-0-74 gelled oil, 1 gal/1000 Aquaflo. Grade Aquaseal from 40 #/1000 Aquaseal to 25#/1000 as follows:

| | |
|-------------|-----------------------|
| 13,000 Gal. | —Gelled Oil—Pad — |
| 5,000 Gal. | 1/2 #/gal. 20/40 sand |
| 5,000 Gal. | 1 #/gal. 20/40 sand |
| 10,000 Gal. | 2 #/gal. 20/40 sand |
| 10,000 Gal. | 3 #/gal. 20/40 sand |
| 15,000 Gal. | 3.5 #/gal. 20/40 sand |
| 15,000 Gal. | 4 #/gal. 20/40 sand |
| 3,948 Gal. | Gelled Oil Flush |

Total Sand - 170,000 Lbs. 20/40 sand.

Total Oil - 1832 Bbls gelled oil.

Average Rate - 30 BPM.

Average Pressure - 2200 PSI. ISIP 1500 PSI.

Final Shut In Pressure after 15 Minutes - 1250 PSI.

Shut well in 3 hours and flowed back to frac tanks through 3/4" adjustable flow choke set on 32/64 overnight.

Daily est. cost: \$57,200.00. Cum. est. cost: \$65,400.00.

3/25/83 AM: Well made 432 Bbls overnight and dead.

3/26/84 Well dead - no production overnight.

3/27/84 Summary: Cleaned out sand and buttoned up. Day No. 4. Well dead. No production since Saturday. Have made a total of 432 Bbls since frac. Rig ran sand line depthometer and tagged sand fill @ 6250' KB. Trip in hole with 2-3/8" tubing, sawtoothed collar on bottom, seating nipple 1 joint off bottom. Tagged sand with tubing @ 6100' KB. Reverse circulated sand out to 6354' KB, FETD. Pulled tubing above perfs and flanged up wellhead. Shut casing in. Left tubing open to tanks. Shut down overnight.

3/28/84 Summary: Swabbed 40 Bbls, flowed 93 Bbls, total of 133 Bbls today. Day No. 5. Well dead. Swabbed 40 Bbls in 10 runs. Well started flowing. Casing 50 PSI. Made 31 Bbls the 1st hour, 27 Bbls the 2nd hour, and 35 Bbls the 3rd hour. Casing 50 PSI. Left tubing open to frac tanks. Tubing string: Left 182 joints, 5911.81', of pipe @ 5922.81' KB.

3/29/84 505 Bbls oil. Venting gas. Tubing 300 PSIG. Casing 700 PSIG. 2040 Bbls load oil hauled to location.

3/30/84 78 Bbls oil. Venting gas. Tubing 300 PSIG. Casing 700 PSIG. 1525 Bbls in stock. 485 Bbls load oil to recover. (JCA) Frac oil shake out: Tank 1 - 0.2 BS&W, Tank 2 - 0.2% BS&W, Tank 3 - 0.4% BS&W, Tank 4 - 0.2% BS&W.

3/31/84 19 Bbls oil. Venting gas. Tubing 1400 PSIG. Casing 1400 PSIG. Shut in 21 hours. Turn well back on. 466 Bbls load to recover.

4/1/84 286 Bbls oil. Venting gas. Tubing 500 PSIG. Casing 1000 PSIG. 180 Bbls load oil to recover.

4/2/84 105 Bbls oil. Venting gas. Tubing 500 PSIG. Casing 1000 PSIG. 25 Bbls new oil. (JCA)