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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
		5. State Oil & Gas Lease No.
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator Merrion Oil & Gas Corporation		7. Unit Agreement Name
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87499		8. Farm or Lease Name Edna
4. Location of Well UNIT LETTER <u>E</u> <u>1680</u> FEET FROM THE <u>North</u> LINE AND <u>990</u> FEET FROM <u>West</u> THE <u>7</u> LINE, SECTION <u>24N</u> TOWNSHIP <u>6W</u> RANGE <u>NMPM.</u>		9. Well No. 3
		10. Field and Pool, or Wildcat Devils Fork Gallup
15. Elevation (Show whether DF, RT, GR, etc.) 6792' GL,		12. County Rio Arriba

16. 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 JOBS <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Squeeze

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 1108.

Attached well history.

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OIL CON. DIV.
DIST. 3

18. 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 5/25/83

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT 3 DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

EDNA NO. 3

Sec. 7, T24N, R6W

Rio Arriba County, New Mexico

- 5/7/83 Trip in hole with retainer. Set retainer @ 3788' KB. Pressure test tubing to 2500 PSI. Sting in retainer and establish circulation @ 2-1/2 BPM @ 1400 PSI. Mix and pump 180 sx Class H cement with 2% CACL. 15.6 density. Displaced cement to retainer. Pull tubing to 2978' KB and reverse circulate tubing clean. No cement back. Ran 1 stand and reverse tubing. No cement. Ran another stand to 3103' KB and reverse tubing. No cement. Ran 1 joint to 3135' KB and reverse tubing. Got a trace of cement back. 33' above the top hole. Pulled tubing. Loaded the hole and shut in. No pressure. Shut down overnight. Shut down over weekend.
- 5/10/83 Pressure test with rig pump and pumped in @ 800 PSI. Trip in hole with bit and casing scraper. Tagged cement @ 3802' KB. Trip out of hole with bit and scraper. Trip in hole open ended 2-3/8" tubing to 3319' KB. Mix and pump to spot 50 sx of Class H cement with 1% CaCl and 0.6% D-60 fluid loss additive. Pulled tubing to 2758' KB and reversed out 1/2 Bbl of cement. Shut in tubing. Squeeze down backside 1/2 Bbl 800 PSI. Shut in 15 minutes. 800 PSI 4:30 PM.
Pump 1/2 Bbl @ 800 PSI. Shut in 30 minutes. 800 PSI.
Pump 1/2 Bbl @ 1200 PSI. Shut in 30 minutes. 900 PSI.
Pump 1/2 Bbl @ 1400 PSI. ISIP in 30 minutes 1000 PSI.
Continued pumping 1/2 Bbl stages every 30 to 45 minutes. Pumping 1400 PSI. ISIP 1000. Last 1/2 Bbl pumped @ 1400 PSI. 10 minute shut in 1200 PSI. Shut in with pressure @ 9:30 PM. Shut down overnight.
- Rig shut down. Waiting on cement.
- 5/12/83 Top of hole 3168'. Bottom of hole 3297'.
Pressure test with rig pump to 2200 PSI. Held good. Trip in hole with bit and scraper. Tagged cement @ 3130' KB. Drilled out soft cement to 3192' KB. Pressure test. Pumped in @ 1400 PSI, 2 BPM. Drilled soft cement to 3313' KB. Pumped in @ 1300 PSI, 2 BPM. Trip out of hole with bit, casing scraper and tubing. Trip in hole open ended to spot cement. Shut down overnight.
- 5/13/83 Ran tubing to 3302' KB to spot cement 50 sx of Class H with 1% CACL. Spotted cement across 2 holes, 3297 and 3168' KB. Pulled tubing to 2740' KB and reversed clean. Circulated 1/2 Bbl cement out. Shut in tubing and squeeze down casing with 1-1/2 Bbl @ 900 PSI. Shut in 10 minutes - 700 PSI. Pumped 1 Bbl @ 1000 PSI. Shut in 15 minutes - 700 PSI. Pumped 1/2 Bbl. pressure fluctuating from 1000 PSI to 1300 PSI to 1000 PSI. Shut in 30 minutes - 1000 PSI. Pump 1/8 Bbl pressure @ 1500 PSI. Shut down 5 minutes - 1500 PSI. Pump 1/8 Bbl pressure @ 2000 PSI. Shut in 20 minutes - 2000 PSI. Bled pressure to 1500 PSI and shut well in. Shut down overnight.
- 5/14/83 Tagged @ 3060' KB, 3120' KB held 2000 PSI. Drilled out 1st hole and pressure tested. Pumped in @ 1700 PSI. Drilled out past second hole and cleaned out to retainer. Circulate to cleanup. Trip out of hole with bit, scraper and 2-3/8" tubing.
- 5/15/83 Trip in hole with tubing open ended to 3317' KB. Rig up Dowell Cementers to pump into holes to get injection rate of 1.5 BPM @ 1550 PSI. ISIP 1000 PSI. Bled off and established circulation. Mixed and spotted 50 sx Class H cement with 1% CACL. Pulled tubing to 2755' KB and reverse tubing clean. Reversed out 1 Bbl of good cement. Shut down, shut in the tubing and squeezed down the backside. Walked the pressure up to 2000 PSI with 1-1/4 Bbls displacement. Pressure bled off to 1900 PSI in 2 minutes. Pumped back up to 2000 PSI. Shut in. 1 minute pressure @ 1900 PSI. Pumped pressure back up to 2000 PSI. Pressure @ 1950 PSI in 15 minutes. Shut in well with pressure. Rig down Cementers and shut down overnight.
- 5/17/83 Trip out of hole with 2-3/8" tubing. Trip in hole with bit, casing scraper and 2-3/8" tubing. Tagged cement @ 2665' KB. Drilled hard cement to 3200' KB. Pressure tested with rig pump to 1500 PSI. Held good, drilled hard cement to 3318' KB. Fell through cement and pressure tested to 1500 PSI. Held good. Trip in hole and tagged retainer @ 3788' KB. Drilled out retainer and drilled 30' of hard cement. Circulated to clean up and pulled 2-3/8" tubing. Shut down overnight.

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5/18/83 Finished drilling out cement below retainer. Pressure tested to 1500 PSIG. Held good. Trip in, tag cement @ 5687' KB. Drill out to 5790' KB. Pressure tested to 1500 PSI, held good. Pulled 5 stands, shut down overnight.

5/19/83 Ran tubing, bit and casing scraper to 5790' KB, PBTD, and rolled the hole with a 10 Bbl gel plug. Loaded the hole with lease crude. Pull tubing to 5758' KB and spotted 250 gal. 15% HCL across the perfs. Trip out of hole with tubing, bit and scraper. Rigged up loggers to perforate per Induction Log as follows:

1 hole	5619' KB
1 hole	5630' KB
4 holes	5639 - 5648' KB
2 holes	5655 and 5658' KB
3 holes	5687 - 5694' KB
5 holes	5706 - 5716' KB
2 holes	5729 and 5731' KB
18 holes	

Rig down loggers and trip in hole to breakdown perfs follows:

2 holes, 5729 and 5731' KB, pumped in 3 BPM @ 2600 PSI, ISIP 1400 PSI.
 5 holes, 5706 - 5716' KB, pumped in 4 BPM @ 2600 PSI, ISIP 1200 PSI.
 3 holes, 5691 - 5697' KB, pumped in 4 BPM @ 2700 PSI, ISIP 1250 PSI.
 2 holes, 5657 and 5659' KB, broke @ 3000 PSI, pumped in @ 2.8 BPM @ 2800 PSI, communicated - no ISIP.
 5 holes, 5706 - 5716' KB, broke @ 2900 PSI, pumped in @ 3.4 BPM @ 2400 PSI, ISIP 1200 PSI.
 1 hole, 5632' KB, pumped in @ 2.4 BPM @ 2400 PSI, ISIP 1000 PSI.
 1 hole, 5622' KB, pumped in 2 BPM @ 3400 PSI, ISIP 1100 PSI.

Trip out of hole with 2-3/8" tubing and straddle tools. Make up Model R packer on 2-7/8" Buttress Thread N-80 tubing. Start running frac string. Shut down overnight.

5/20/83 Finished running 2-7/8", 6.4 #/ft, N-80 Buttress Thread frac string to 4800' KB. Set Mod R Packer and pressured backside to 1300 PSIG. Rig up Smith Energy and fraced Gallup 5619 - 5731' with PGO-1 Gelled Oil, 25 #/1000 gal. WFL-1, 1 gal/1000 Surfactant, as follows:

10,000 Gal.	Gel Oil Pad
5,000 Gal.	1 #/gal. 20/40 sand
34,434 Gal.	2 #/gal. 20/40 sand
1,714 Gal.	Flush Lease Oil.

Total sand - 73,900 lbs. 20/40 sand

Total Oil - 1,218 Bbls.

Avg. Rate - 11 BPM.

Avg. Pressure - 3900 PSIG.

ISDP - 1900 PSIG down to 1800 PSI in 15 minutes. Shut in for 3-1/2 hours and opened up on 3/4" adjustable flow choke to three 400 Bbl frac tanks. Made 300 Bbl fluid back first hour. Left flowing and shut down overnight.

5/21/83 Well flowing. Made 415 Bbls overnight. Tested well 1 hour. Well made 5 Bbls. Unset packer. Circulated down the tubing. Well would not die. Circulated down the casing. Well would not die. Daily est. cost: \$800.00. Cum. est. cost: \$89,062.00.

5/22/83 Well made 17 Bbls overnight. Pumped down the tubing. Killed well and trip out of hole with 2-7/8" N-80 Buttress thread tubing and Model R packer. Lay down tubing. Well staying dead. Ran depthometer and found sand fill @ 5740' KB. Ran 2-3/8" tubing with a saw tooth collar on bottom and seating nipple joint off bottom. Reverse circulated sand out from 5740' KB to 5790' KB. Pulled tubing above the perfs. Landed tubing in wellhead and rig down BOPs, flanged up the wellhead and started swabbing. Swabbed 2 runs from 2000'. Made 3rd run from 2700' KB. Pulled to 2500' and swab stuck in tubing @ 2500' KB. Pulled out of rope socket. Nipple up BOPs and shut down.

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5/24/83 Swab stuck in the tubing @ approximately 2500' KB. Flanged up the BOPs and trip out of hole with tubing. Layed down joint with swab in it. Trip in hole with 2-3/8" tubing. Landed tubing @ 5601' KB. Rig down BOPs. Flanged up wellhead. Swabbed 25 Bbls to frac tanks. Casing building a little pressure. Left tubing open to tanks. Casing shut in. Shut down overnight.
Daily est. cost: \$1,200.00. Cum. est. cost: \$91,762.00. (CCM)
5/25/83 Rebuild flowline from wellhead to tank battery. (JCA)
Well made 40 Bbls overnight. Well dead this morning. Made 2 swab runs and well started flowing. Well made 45 Bbls the first hour. Preparing to move to Canyon Largo Unit 317. Well Made 12 Bbls the second hour. Rig down move off.
5/26/83 Well shut in to remanifold wellhead and hookup flowline.