

Distribution: O+4 (BLM); 1-Accounting; 1-Crystal; 1-File

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation (14634)

3. Address and Telephone No.

610 Reilly Avenue, Farmington, NM 87401-2634

(505) 327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' fnl & 1978' fwl (SE NW)
Section 9, T26N, R12W

5. Lease Designation and Serial No.

SF-078944A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NELSON A No. 1

9. API Well No.

30-045-05953

10. Field and Pool, or Exploratory Area

WAW Fruitland Sand PC

11. County or Parish, State

San Juan County,
New Mexico

12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☒ Recompletion

☒ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on
Completion or Recompletion Report and Log form.)

13. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4/8/98 MIRU TJR Well Service. ND WH and pump jack. Pull and LD rods, 72 - 3/4" scraper, 107 - 5/8" plain, 20 - 3/4" plain and pump. Blow down casing to tank, left open to tank overnight.

4/9/98 TOH with 159 jts of 2-3/8" tbg at 5005', 4' perforated sub, 32' mud anchor. TIH with 5-1/2" CIBP set at 4836'. Circulated hole with city water. Gallegos Gallup - spot 38 sxs Class 'G' cement, plug 4836'-4500'. Pull tubing to 4500' and reverse out. Pull tubing to 4005', spot 25 sxs Class 'G' cement to 3888'. Pull tubing to 3888' and reverse out. TOH with tubing, LD to 2100'. Stand back the rest. Tank off WH for repair.

*** CONTINUED OTHER SIDE ***

I hereby certify that the foregoing is true and correct

Signed Steven S. Dunn Title Drlg & Prod Manager

Date 4/22/98

(This space for Federal or State office use)

Approved By

Title

Date

Conditions of approval, if any:

1998

April 13, 1998

NU WH & BOPs. RU Petro WL. Run GR/CCL log 1400'-400'. Load casing shoot 2 squeeze holes @ 2105'. TIH with 7-5/8" CCR set @ 2052', pump 59 sxs (83 cu.ft.) of Class 'G' cement 15.6 ppg, 1.18 yield below CR, sting out of CR. Spot 13 sxs above CR. Pull 2 jts (82') reverse clean. TOH with 2-3/8" tbg and CR stringer. Perforated 2 squeeze holes @ 1330'. Pump down casing 1 BPM @ 1600 psi, no circulation. ISDP 1500 psi. Perforated 2 squeeze holes @ 1285'. Pump down casing 1-1/2 BPM @ 1000 psi, no circulation. Perforated 2 squeeze holes @ 1150'. TIH with 7-5/8" CCR on 2-3/8" tbg, set @ 1273'. Pump 60 sxs Class 'G' neat cement, 15.6#, 1.18 yield below CCR. Sting out of CR, reverse out. Bradenhead started circulating sand. TOH with tubing. TIH with 7-5/8" packer, set at 1073'. Pump 120 sxs Class 'G' 2% KCl down tubing to 100' below packer @ 1173'. Shut bradenhead valve. Squeeze 1/2 bbls at a time every 15 mins. Last squeeze pressure 850 psi. No pressure on tubing. Release packer. TOH. PU 6-3/4" bit, 6 ea. 3-1/8" drill collars on 2-3/8" tbg. TIH. Tagged cement @ 1155', drill out 90' cement. CO to CCCR @ 1273'. Pressure test casing to 1825 psi - held for 15 mins - OK. Pulled 2 joints tbg.

April 15, 1998

Circulate hole clean with 2% KCl water. RD power swivel. TOH with 2-3/8" tbg. LD 3-1/8" drill collars. Clean pit and fill with 2% KCl water. RU Petro Wireline. RU Bond log, log not to good. Check by GFS, OK'd to perf. Perforated 40 holes 1233'-43' (4 SPF) 120°. RD Petro Wireline. RU flow back lines off casing valve. SI until 4/17/98 for frac job.

April 17, 1998

RU BJ Services. Frac well as follows at 30 BPM with 25# linear 700 N₂ foam. All fluid contained .46#/M bactericide, 0.55#/M enzyme breaker, and 3 gal/M foamer.

Stage	Foam Volume	End Pressure	Comments
-------	-------------	--------------	----------

Pad	233 Bbls	1035	
0-4.5# Ramp	617 Bbls	980	Arizona Sand
4.5#	53 Bbls	996	Resin Coated Sand
Flush	46 Bbls	996	
	949 Bbls		

ISIP 950 psi, Avg. Rate 30 BPM, Avg. Press 1000 psi. Blew foam back immediately on 1/4" choke. After 15 minutes changed to 1/2" choke. Total fluid pumped 260 bbls 2% KCL. Total sand pumped 50,000# Arizona and 10,000# resin coated 10/40 sand. Left an estimated 1900# of sand in casing. Job finished at 10:00 AM 4/18/98. Still flowing strong at 5:00 PM, N₂ light foam and N₂. Left on 1/2" choke, open to pit.

April 20, 1998

TIH with 6-3/4" bit on 2-3/8" tbg, tagged fill @ 1170'. RU BJ Services and cleaned out to 1272' PB with N₂ foam. PU above perfs, let set for 1 hour. Tagged 14' fill, clean out, let set for 45 mins. Well flowed gas for 20 mins, logged off. Tagged 15' fill, clean out and blow dry. Let set for 30 mins, died in 20 mins, 20' fill, clean out, blow dry. Released BJ Services. TOH with bit. TIH with bailer, start bailing. Well making sand, faster than we can bail. Making salty water, FL stayed about 850'. Sand is Arizona and resin mixed.

April 21, 1998

TIH with bailer on 2-3/8" tbg. Made 4 runs, CO to 1272' PBTD. TOH with bailer. TIH with 2-3/8" prod string. Swabbed at 1200' for 1/2 hr. FL started at 850', ended at 700'. Tagged for fill, no fill. Landed tubing in donut. ND BOPs. NU WH. Ran pump and rods - 15' mud anchor, .80" seating nipple, 39 jts (1224.82') of 2-3/8", 8rd landed at 1250.62' GL. Pump 2" x 1-1/4" x 6' x 9' x 11' RHAC, barrel CPN, plunger 4' SM, valves TC Alloy, Stroke 68", Pin size 3/4", 48 - 3/4" plain, 8' pony, 2' pony polish rod. RU to pump jack. Shut in. RDMOL. (TR)