

Form 3160-5
(June 1991)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
JUN 11 1991FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 19935. Lease Designation and Serial No.
SF-080238 A

6. If Indian, Allottee or Tribe Name

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

3. Address and Telephone No.

P. O. Box 840, Farmington, NM 87499

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

1850' FNL & 790' FEL Sec 12, T26N, R13W

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco 3

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- 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: Repeat results of multiple completion on Well 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.)*

This well was plugged back to the Basin Fruitland Coal. Attached is the drilling history.

RECEIVED

JUN 17 1991

OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Title

Steven S. Dunn/Operations Mgr.

Date

6/5/91

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

JUN 14 1991

FARMINGTON RESOURCE AREA

BY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CHACO NO. 3

July 9, 1990

Day No. 1

MOL. Rig up. Release packer, pull 2 jts. Set packer, pressure test casing @ 1,500 psi - okay. Release packer, TOH laying down 38 jts. of 1-1/4" EUE and 2-7/8" packer. RIH w/ swab fluid - level 1,000'. RDMO. (ARM)

I

July 12, 1990

Day No. 2

MIRU Petro Wireline. Run Gamma Ray-Collar Log 1254'-700'. RIH with 2-7/8" CIBP. Set plug at 1192' GL. (Found sand perfs 2' high at 1194'-1202'.) RIH with 2-1/8" casing guns and perf 1171'-90' with 2 SPF at 180°. POOH. RD Petro. Well dead. Leave SI. (GFS)

July 17, 1990

Day No. 3

MIRU Western. Fracmain coal w/ 22,300 gal. of 70% N₂ foam, 20 #/1,000 gal. X-Link gel, and 19,000 # of 18 sand @ 25 BPM as follows:

<u>Stage</u>	<u>Foam Vol Gal</u>	<u>Sand #/gal</u>	<u>Type Sand</u>	<u>Lbs Sand</u>	<u>Average Pressure (psi)</u>
			--	0	1,220
1	8,000	pad			
2	4,000	1.0	40/70	4,000	1,520
3	4,000	1.0	20/40	4,000	1,690
4	3,000	1.5	20/40	4,500	1,690
5	3,300	2.0	20/40	6,600	1,900

Screened out at end of 2.0 ppg stage to 3,180 psi. ISIP = 2,900 psi.; 5 min. = 2,360 psi.; 10 min. = 2,150 psi. 15 min. = 2,040 psi. Leave well SI for ± 4 hr. and flow back on 1/4" choke. Leave well flowing to atmosphere. (GFS)

July 19, 1990

Well unloading foam. Just oozing over the top. Leave well flowing to atmosphere. (GFS)

CHACO NO. 3

July 25, 1990

Day No. 4

Summary: Perforate and frac upper coals.

Detail:

Perforate: RU Western. Load hole w/ fresh water. RU Petro. RIH & tag fill @ 1140'. (11' of fill over main coal perfs.) Perf following w/ 2 spf @ 180° w/ 2-1/8" gun: 924-26", 950-52", 1047-50", 1090-99", 1122-24", 1131-33". RD Petro.

Breakdown: -- Establish pump in @ 4.5 bpm @ 1800 psi w/ wtr. -- Pump 12 Bbl 7-1/2 % HCl (500 gal) w/ 5 gal/ 1000 iron sequestering agent, 1/2 gal/ 1000 clay stabilizer, and 40 RCN balls 1.3 SG. Saw 4 hits and 3 breaks. Final rate 3 bpm @ 2000 psi. ISIP = 750 psi. Surge balls off perfs. SIP = 250 psi. Wait 30 min.

Frac: Frac well w/ 41,200 gal. 70% N₂ foam, 35000# sand, 20# XLink gel as follows at 25 bpm:

Stage	Foam Gel	Sand Conc	lbs	Start Press	End Press
1	15,000	Pad		1,940	1,920
2	8,000	1.0 40/70	8,000	1,920	1,880
3	8,000	1.0 20/40	8,000	1,880	1,880
4	6,000	1.5 20/40	9,000	1,880	1,910
5	2,000	2.0 20/40	4,000	1,910	1,870
6	2,000	3.0 20/40	6,000	1,870	1,950
7	200	flush	0	1,950	1,950
	41,200		35,000		

ISIP = 1,250 psi
5 min = 1,160 psi
10 min = 1,120 psi
15 min = 1,090 psi

Leave SI 2.5 hr. Flow back on 1/4" choke. Open well up 1:20 p.m., had 2,000 psi - bleed down to 60 psi in 20 min. Levelled off.
(GFS)

CHACO NO. 3

July 26, 1990 Day No. 5

Well flowback after frac. Light gas flow, unburnable. (GFS)

July 27, 1990 Day No. 6

Well open, no flow. Preparing to clean out. (GFS)

July 28, 1990 Day No. 7

Summary: Clean out sand from 1,000' to CIBP 1,194'. Land 1-1/4" EUE tbg @ 1,002' KB.

Detail: Move J.C. Well Service on location & rig up. Tally & pickup 38 jts 1-1/4" tbg. Tagging bridges at 1,000'. Continue in hole. Cleaned out sand to CIBP @ 1194'. Circ hole clean w/ N₂. Pull tbg to 1102' KB. Land 1-1/4" tbg, 35 jts. (ARM)

Tubing String: 1-1/4" sawtooth collar - .35, 35 jts 1-1/4" tbg.

July 31, 1990 Day No. 8 Off Report

Well dead. Off report until further work. (SSD)

CHACO NO. 3

August 9, 1990

ON REPORT

Day No. 9

Summary: RU and lay down 1-1/4" EUE.

Detail: MIRU J.C. Well Service. Blew dn csg from 20 psi, tbg dead. POH laying dn all 1-1/4" EUE tbg. Removed wellhead, cutoff 2-7/8" NUE 10rd csg and lowered to GL. Welded on 2-7/8" EUE pin. Install wellhead. SDON. (CCM)

August 10, 1990

Day No. 10

Summary: Ran pumping string. RDMO.

Detail: Ran 1-1/2" NUE tbg w/ tbg pump barrel. Tagged fill @ 1173' KB. Landed tbg w/ 37 jts of 1-1/2" NUE tbg, 1153.06' of pipe and 8.90 pump barrel. Bottom of barrel @ 1160.96' GL. Bottomperf @ 1133' GL. Ran pump plunger onnew 5/8" rods and slim hole. Sprayed metal couplings. Spaced out w/ 2' - 4' - 6' - 8' ponies and 11' of 1-1/4" polished rod w/o liner. RDMO. Released rig. (CCM)

August 13, 1990

Day No. 11

Summary: RU pumping unit and separator.

August 15, 1990

Day No. 12

Summary: Run pump unit and separator.

Detail: Finish hookup on PU and separator. Ready to start. (Fizz)

August 16, 1990

FL 608', pump depth 1161'. Oil 0, H₂O 6 Bbl, MCFD 2, tbg 10 psi, csg 0 psi.

CHACO NO. 3

August 19, 1990

Unit not pumping. Shut down. Will try to locate problem.

August 23, 1990

Day No. 13

Summary: Repairing pump.

Detail: TOH w/ rods and plunger. Sand and coal in plunger. POH w/ tbg, found bottom extension pump barrel missing. Left in hole. Try to fish w/ sand line. Could not fish. SDON. (Fizz)

August 24, 1990

Day No. 14

Summary: Fish pump extension, clean out.

Detail: TIH w/ tbg and 3/4" stinger, 5 ft. long Wash in fish, tbg plugged. POH w/ tbg. Had fish on stinger. Run charge over from 1-1/2" tbg to 3/4" tbg on bottom for a no-go. RIH, wash to bottom. Hook up compressor to csg. Blowing on tbg. No liquid to surface. Pressure on csg 125#. Swab tbg. Making sand, coal and H₂O after stopping swabbing. Did not shut down compressor. SDON. (Fizz)

August 25, 1990

Day No. 15

Summary: With compressor flow started about 10:00 am and ran until compressor ran out of fuel in evening. Water flow rate 170 Bbl/day. (Fizz)

CHACO NO. 3

August 26, 1990

Day No. 16

Summary: Swabbed 8 hrs producing 150 Bbl water. Hung up swab in tbg. Unable to work free. Shut down. (Fizz)

August 27, 1990

Day No. 17

Ran compressor. (Fizz)

August 28, 1990

Day No. 18

Summary: Swabbing.

Detail: Swab stuck in tbg. Try to pull swab, could not. Pull tbg stripping out of sand line. could not get to bottom w/ pin collar. Circ sand and coal to TD. Swab. Dump 4 gal. soap in csg. Start compressor. Swab H₂O, sand and coal, some gas. (Fizz)

August 29, 1990

Day No. 19

Summary: Swabbing.

Detail: Swabbed until 2:00. Released rig. Returned air compressor. Well did not flow, not enough gas and too much water. (Fizz)

CHACO NO. 3

August 30, 1990

Off Report

Summary: SI.

Detail: Waiting on compressor. (Fizz)

October 5, 1990

Day 1 of 1

Summary: Moved Atomi compressor from Susco No. 3. Swabbed well in flowing 120 psi csg.

Detail: MIRU J.C. Well Service. Started compressor and pressured csg to 150 psi. Made 1 swab run. Kicked well off flowing w/ 110 psi on csg. Released rig. (CCM)

October 9, 1990

Detail: Gas: 0 MCFD, H₂O: 171 BWPD, tbg: 275 psi, csg: 15 psi. (RD)

October 10, 1990

Detail: Gas: 0 MCFD, H₂O: 0 BWPD, tbg: 0 psi, csg: 0 psi. Compressor down, out of propane. (RD)

October 11, 1990

Detail: Gas: 6 MCFD, tbg: 45 psi, csg: 15 psi. No way to measure water, line covered. (RD)

October 12, 1990

Detail: Gas: 0 MCFD, H₂O: 137 BWPD, tbg: 50 psi, csg: 15 psi. (RD)

October 13, 1990

Detail: Gas: 0 MCFD, H₂O: 126 BWPD, tbg: 50 psi, csg: 85 psi. (RD)

CHACO NO. 3

October 14, 1990

Detail: Gas: 0 MCFD, H₂O: 121 BWPD, tbg: 85 psi, csg: 100 psi. (RD)

October 15, 1990

Detail: Gas: 0 MCFD, H₂O: 117 BWPD, tbg: 75 psi, csg: 100 psi. (RD)

October 16, 1990

Detail: Gas: 0 MCFD, H₂O: 111 BWPD, tbg: 75 psi, csg: 100 psi. (RD)

October 17, 1990

Detail: Gas: 0 MCFD, H₂O: 103 BWPD, tbg: 75 psi, csg: 100 psi. (RD)

October 18, 1990

Detail: SI, excessive water production. (RD)

CHACO NO. 3 Off Report

October 19, 1990

Detail: Drop from report until further activity.