

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

RECEIVED

5. Lease Serial No.  
**SF-078530**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE- Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**MERRION OIL & GAS CORPORATION**

3a. Address  
**610 REILLY AVENUE, FARMINGTON, NM 87401**

3b. Phone No. (include area code)  
**505-224-5300**

8. Well Name and No.  
**FEDERAL 20 No. 1E**

9. API Well No.  
**30-045-26204**

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

**1830' FNL & 1840' FEL (SW NE)  
SECTION 20, T25N, R9W**

10. Field and Pool, or Exploratory Area  
**WHITE WASH MANCOS**

11. County or Parish, State  
**SAN JUAN COUNTY, NM**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>COMINGLING</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>COMPLETION</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- 4/21/04 MIRU Professional Well Service Rig No. 4 on 4/21/04. Spot pump/pit, flowback tank and choke manifold. Open well to atmosphere. Pumped ~25 bbls of water to kill well. ND WH & NU BOP. Unable to get donut off 1<sup>st</sup> joint, ended up damaging 1<sup>st</sup> joint. Lay down jt and donut, change out tongs and repair rig. TOH with 2-3/8" tubing (total of 202 joints with notched collar on bottom and seating nipple on top of bottom joint). Slow going due to high winds. SWI, secure location & SDON.
- 4/22/04 RU Blue Jet Wireline. RIH with gauge ring and junk basket, unable to get past 4792'. TOH and lay down junk basket. RIH with GR/CCL. Run log from 6455' - 5300'. Correlated depth with Dual Induction open hole logs ran March 9, 1985. RIH with composite bridge plug, unable to get past 4792'. RD and release Blue Jet. Need to run casing scraper but shut down operations for the remainder of day due to high winds. SWI, secure location and SDON.
- 4/23/04 TIH with casing scraper to 6300'. TOH, RU Blue Jet RIH with composite BP. Set plug at 5994' KB. TIH to ~5400' and load hole. Pressure test to 1500 psi - held OK. RU air package and lines. Unload and blow hole. TOH, RU wireline RIH with 3-1/8" select fire-casing gun. Perforate the Gallup Formation 1 spf at the following depths: 5413', 23', 32', 36', 40', 74', 5504', 26', 28', 42', 76', 84', 89', 94', 5608', 12', 22', 36', 76', 88', 5705', 16', 34', 85', 5936' & 5938' KB - Total of 26 holes (EHD: 0.28"). RD and release Blue Jet. PU 4-1/2" packer, TIH and set packer at 5120'. Spot frac tank and fill with 2% KCl. Spot Sand Storm. Frac scheduled for Monday 4/26/04. SWI, secure location & SD for weekend.

**\*\* CONTINUED OTHER SIDE \*\***

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**STEVEN S. DUNN**

Title **DRILLING & PRODUCTION MANAGER**

Date **05/05/2004**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

**ACCEPTED FOR RECORD**

Approved by

Title

Date

**JUN 28 2004**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**FARMINGTON FIELD OFFICE  
BY**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

**NMOCD**

- 4/26/04 RU American/KEY Pumping Services. Pump 300 gals of 15% HCl and 37 each 1.3 SG RCN ball sealers, good ball action and complete ball off to 3800 psi, surge balls off perfs. Open well to pit and bleed off pressure well on vacuum. Release packer, TIH to 5994' (to knock balls off perfs). TOH, RU American/Key Energy Services and held safety meeting. Pressure test pumps and lines to 6000#. Frac well with 100,000# of 20/40 Brady in 70 Quality nitrogen foam. Pumped sand in 1, 2, 3 & 4 ppg stages. ISIP 2286 psi. Shut well in with 2100 psi, RD American/Key Energy Services. AIR: 33.5 BPM, MIR: 35 BPM, ATP: 3180 psi, MTP: 3800 psi. Job complete at 13:52 hrs 4/26/04. Total fluid pumped: 393 bbls. Total Nitrogen pumped: 810,942 scf. RU flow back manifold, open well thru 1/4" choke at 15:30 hrs 4/26/04. Initial pressure was 1840 psi. At 19:30 hrs pressure was up to 1900 psi. Well flowing back foam/water and nitrogen. Turn over to nightwatch.
- 4/27/04 Well flowed gas/nitrogen overnight. Made approximately 250 bbls of fluid overnight, mostly water with some oil. Well also making some sand. At 06:00 hrs 5/27/04 pressure was down to 1050 psi, continue to let well flow. At 09:00 hrs changed out choke to 1/2", continued to let well flow. At 15:30 hrs pressure down to 25 psi, opened well thru 2". Well still unloading some fluid (with noticeable oil cut), still making some sand. At 16:30 hrs shut well, secure location and SDON.  
Note: Went to Carlton Yard, loaded 95 barrel double tank (Serial No. MR2008). Went to location. Dug hole and installed water tank. Built firewall.
- 4/28/04 Found well with 700 psi. Open well and let pressure bleed off. TIH with 3-7/8" bit and 2-3/8" tubing. Tag up on sand/fill at 5758'. PU power swivel and air package lines. Break circulation with air/mist (1800 scfm and 10 BWPH with 1/2 gal of soap/hr). CO frac sand down to composite plug at 5994'. Blow hole clean. Pull up to ~5400' and shut well in. SDON.  
Note: Load Cabot 114 pumping unit (Serial No. A015559TE) from Piedra with E15 oil well engine bought from Rotation (Serial No. 48529). Haul location and unload. Finish tying-in water dump, put up fence. Load hoe, return to yard. Job suspended until next week, WO rig.
- 4/29/04 Found well with 640 psi. Open well and let pressure bleed off. TIH tag up on sand/fill at 5946'. Break circulation with air/mist and clean out down to composite plug at 5994'. PU power swivel and drill out composite plug. Lay down power swivel. TIH, chase plug down hole, tag up on plug/fill at 6447'. PU power swivel and clean out down to PBTD (6480'). Blow hole for 3 hrs. Well cleaning up good. Pull up to ~5400' and shut well in. Secure location and SDON.
- 4/30/04 Found well with 440 psi. Open well and let pressure bleed off. TIH tag up on sand/fill at 6452'. Break circulation with air/mist and clean out down PBTD (6480'). Pump soap sweeps to clean up well. Blow hole from PBTD for 3 hrs, cut mist and dry up hole. TOH, Lay down bit and bit sub. TIH with cut off tail joint, seating nipple and 202 joints of 2-3/8" tubing, land tubing in well head with donut. Bottom of tubing landed at 6456' KB, Seating nipple at 6435' KB. (see tubing tally). ND BOP & NU WH. Spot rod trailer. Secure location and SDON.
- 5/01/04 Ready rig to run rods. RIH with 2" x 1-1/2" x 12' RHAC pump. Ran pump on the following rod string: 40 each 3/4" plain, 129 each 5/8" plain, 16 each 3/4" plain, 70 each 3/4" scraped, 4', 6' and 8' pony rods. Install polish rod and stuffing box. Seat and space out pump. Load hole with water and check pump action with rig, pumped OK. Clamp off rods. RD rig and equipment. Ready all surface equipment for rig move on Monday morning (5/3/04). Moved rig to Federal 28-2. FINAL REPORT.
- 5/03/04 Built gravel pad and set Cabot 114 Pumping unit with pipe skid (Serial No. AC15559LE) from Piedra Yard. Powered by E-15 engine (Serial No. 48529 - purchased from Rotation Power).