

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.*

**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)  
**505-324-5300**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1850' FSL & 1850' FEL (NW SE)  
SECTION 12, T24N, R2W**

5. Lease Serial No.  
**NM-106649**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**TWILIGHT ZONE No. 1**

9. API Well No.  
**30-039-23606**

10. Field and Pool, or Exploratory Area  
**GAVILAN PICTURED CLIFFS**

11. County or Parish, State  
**RIO ARriba, 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>COMPLETION</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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.)

3/24/05 MIRU Hurricane Rig No. 6 on 3/24/05. Moved in and spotted pump and pit. SD for Holiday.

3/28/05 ND WH & NU BOP. Tally and PU 108 joints of 2-3/8" tubing, RIH to 3510'. TOH. Pump truck would not start, transferred water to rig pit, load hole with rig pump/pit. RU Black Warrior Wireline Service. RIH with CBL/GR run log from 3621' to 1600', TOC at 1933'. RD Black Warrior. Pressure test casing to 2500 psi - held OK. Start TIH, elevators broke unable to TIH. SWI, secure location & SDON. Spotted frac tanks and began filling with 2% KCl, hauled in MOG flowback tank.

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

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

**CONNIE S. DINNING**

Title **ENGINEER**

Signature

Date

**04/21/2005**

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

Approved by

Title

Date

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

**ACCEPTED FOR RECORD**

**JUL 25 2005**

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.

**FARMINGTON FIELD OFFICE**  
BY Sm

(Instructions on page 2)

**NMOCD**

**3/29/05** Change out elevators and TIH to 3510'. RU KPPS and spot 60 gal of 15% HCl. Pull up to 2470'. RUTS. Made 7 runs and recovered ~ 45 bbls of fluid. RD swab equipment. TOH. ND BOP & remove WH. Install 5K frac valve. RU flow lines & flowback manifold to flowback tank and frac valve. RU BWWC & RIH w/ 3-1/8" casing gun. Perforate the Pictured Cliffs formation at the following depths: 3447'-3452' (1 spf-5 holes) and 3478'-3490' (1 sp 2ft-11 holes) - Total of 16 holes (0.34" EHD). RD BWWC. RU KEY Pressure Pumping Services and hold safety meeting. Pressure test pumps & lines to 5,000#. Frac well w/ 92,000# of 20/40 Brady in 20# x-link gel. Pumped sand in 1, 2, 3 & 4 ppg stages. ISIP: 1,660 psi. AIR: 40.0 bpm, MIR: 41.0 bpm, ATP: 2,050 psi, MTP: 2,400 psi. Job complete at 15:45 hrs. 3/29/05. Total fluid pumped: 344 bbls. Note: tub sanded off during 4 ppg stage (w/ 8K of sand left to pump), lost sand conc. By-passed tub and went to flush. SWI & RD KPPS. Open well thru 1/4" choke at 17:00 hrs 3/29/05. Initial pressure was 1190 psi. Well flowing back foam w/ some sand. Turn over to night watch at 17:30 hrs.

**3/30/05** At 02:00 hrs flowing pressure thru 1/4" choke was down to 160 psi. SWI because flow back tank was full. Drain flow back tank and open well back up at 07:30 hrs. Pressure was back up to 620 psi. Well continued to flow back water and foam w/ some sand. At 16:00 hrs pressure was down to 30 psi. Open to reserve pit thru 2". At 17:00 hrs pressure was back up to 130 psi and flowing water/foam w/ some sand. Recovered over 500 bbls of fluid since starting flow back. Let well flow to reserve pit thru 2" until 17:30. SWI, secure location & SDON.

**3/31/05** Found well with 500 psi. Opened to flow back tank thru 1/4" choke at 08:00 hrs. After 4-1/2 hrs well was down to a vent. Recovered additional 200 bbls of water (~700 bbls total). Ignited vent and let well flow to pit for 1 hr. Estimate gas flow 30 - 50 mcf (very little fluid). Remove frac valve and NU BOP. TIH with tubing to 3510'. Pull up and land tubing as follows: 106 jts (3446.67') of 2-3/8", 4.7#, EUE tubing. Bottom of tubing landed at 3460' KB. Install pumping tee and full opening valve. RUTS. Made 6 runs and recovered ~ 43 bbls of fluid in 2 hrs. Casing pressure 35 psi and building. SWI, secure location & SDON.

**4/01/05** Found well with 60 psi on casing and 120 psi on tubing. Open tubing to flow back tank - blew down quickly. RIH with swab and hit fluid level at ~ 1000'. Made 6 runs and recovered ~ 43 bbls in 2.5 hrs. Fluid level fluctuated between 1000' & 1100'. Casing pressure built up to 125 psi. RD swab equipment & SWI. RD rig and equipment. Note: will return to location to rod up well as soon as surface equipment is set.

**4/18/05** Road rig from Guinea Pig #1. MIRU Hurricane Well Service Rig #6 on 4/18/05. Found well with 150 psi on casing and 40 psi on tubing. Blew well down to reserve pit. ND WH and NU BOP. Note: had to clean coal dust out of BOP. Change out pipe rams. Tong dies and repair tong back ups. TOH with 2-3/8" and seating nipple. SWI, secure location and SDON.

**4/19/05** Found well with 40 psi. TIH with tail joint, perf sub, seating nipple and 106 joints (3446.67') of 2-3/8", 4.7#, EUE tubing, bottom of tubing landed at 3480' KB, seating nipple at 3459' KB. Land tubing in wellhead with donut. ND BOP & NU WH. RIH with 2" x 1-1/4" x 12' RHAC insert pump on 136 ea. 3/4" plain rods. Install polish rod and stuffing box. NU horsehead and bridle. Space out pump and hang off rods. (Note: T. Merilatt working on pumping unit - will start and let pump over night). Will check in morning before rigging down. SDON.

**4/20/05** Pumping unit had died overnight. T. Merilatt re-adjusted pumping unit and re-started. Pumping OK. RD & MOL. **Final Report.**

#### **SETTING EQUIPMENT AND TESTING**

**4/19/05** Roustabout crew set meter and meter run plumbed tubing to tank and casing to production unit, removed belt guard and tightened belts, reinstalled belt guard, greased pumping unit, hauled in and plumbed in propane tank. T-0, C-0, started pumping unit, unit very rod heavy, moved counterbalance out to the end of the crank arms, restarted unit, balance better, well pumped up in 45 minutes, 42" Stroke, 12 SPM, left unit running. (TLM)

**4/20/05** Pressures: Tbg 0, Csg 0. Pumping unit down with drive belts off. Well made approx. 7 bbls water overnight. No estimation on how long the unit ran. Roustabouts and rig crew aligned the pumping unit with the wellhead. Roustabouts then removed belt guard, aligned the engine with the gear box sheave, reinstalled belt guard, replaced bad back pressure valve, tamped and added gravel to the pumping unit base, replaced bad ounce fuel gas regulator, and started pumping unit. After 1 hour Tbg 0, Csg 6 psi, left unit running with very good pump action. Gas test meter information: Plate 0.250, Spring 0-250 LB, 0-100" Chamber. Released roustabout crew, left location. Rig crew had rigged down and moved off. (TLM)