

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMNM19836
		6. If Indian, Allottee or Tribe Name

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		8. Well Name and No. RINGER FEDERAL/6
2. Name of Operator MURCHISON OIL & GAS LLC		9. API Well No. 3001533187
3a. Address 7250 Dallas Parkway, Ste. 1400, Plano, TX 7502	3b. Phone No. (include area code) (972) 931-0700	10. Field and Pool or Exploratory Area SALT WATER DISPOSAL (SWD)/SALT WATER DISPC
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 3/T25S/R26E/NMP		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION			
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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	
	<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 recompleate 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 perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Inspect and replace tubing and packer as needed. Procedure and well bore diagrams attached. Subsequent Report for this work approved on 12/29/22.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) CINDY COTTRELL / Ph: (972) 931-0700	Title Regulatory Coordinator
Signature	Date 01/24/2023

<b>THE SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by Jonathon W Shepard / Ph: (575) 234-5972 / Approved	Title Petroleum Engineer	Date 01/27/2023
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 CARLSBAD	

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)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## **Additional Information**

### **Location of Well**

0. SHL: SESE / 1250 FSL / 1250 FEL / TWSP: 25S / RANGE: 26E / SECTION: 3 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: SESE / 1250 FSL / 1250 FEL / TWSP: 25S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

## Ringer Federal 6 SWD (30-015-33187) Workover Procedure

1. Test anchors and set as needed. Pull test to 25,000 lbs. MIRU DDPU and blow well down. (Well should be on a vacuum. If we can't blow well down, a pump truck with produced water will need to be RU to kill well.)
2. ND Tree and NU 7 1/16" 3M BOPs with blind rams and 3 1/2" pipe rams. Test BOPs to 250/3000 psi.
3. PU on 3 1/2" 9.3# L80 EUE 8rd IPC tubing and release Baker Hornet Packer (to release set down a minimum of 500lbs and do a quarter turn to the right and pickup).
4. Once packer is released, TOH standing back 3 1/2" 9.3# L80 EUE 8rd IPC tubing checking collars and tubing out of hole for any leaks.
5. TIH w/ Baker 5.5" retrievable packer on 3 1/2" 9.3# L80 8rd IPC tubing to setting depth of 12,539'. While tripping in hole hydro test tubing to 4500 psi above slips.
6. Set packer at 12,539' and test back side to 1,000 psi. If back side doesn't test call into office. If back side tests good, release packer and TOH.
7. RU JSI Wireline Services, PU and RIH with Nickle plated model F permanent packer with 2.313" XN profile nipple with 2.205" No GO with wireline entry guide with pump out plug on wireline. Set packer at 12539'. RD JSI wireline. **Note: On pump out plug each set screw is 389 psi differential. Set pump out plug to 2723 differential pressure or 7 screws.**
8. TIH with Packer K-22 anchor latch, 1 jt. of 3 1/2" 9.3# L80 EUE 8rd IPC tubing, 2.750" X profile nipple, and 3 1/2" 9.3# L80 EUE 8rd IPC tubing. RIH to packer setting depth of 12539'.
9. Engage K22 anchor latch. RU pump truck and load and pressure test 3 1/2" x 5.5" annulus to 1000psi. Release from K22 anchor latch and circulate clean 3% KCl water with bactericide and corrosion inhibitor (packer fluid) into the 3 1/2" x 5.5" annulus. Re-engage K22 anchor latch, space out and land tubing with 20,000# in compression and load 3 1/2" x 5.5" annulus with packer fluid and pressure test to 1000 psi.
10. ND BOP's. NU 3 1/8" 5M tree.
11. Pressure up on tubing to pump out pump out plug at 2723 differential pressure. **Do not exceed 5000 psi (production tree).**
12. RD and release service rig and equipment.

Ringer #6.SWD

**White City**  
**Eddy County, NM**



Prepared by: Beckelman  
 Date: 07/07/2014

Spud Date: 04/06/2004  
 Spud Date (Re-drill): 12/12/2012  
 Rig Release: 05/29/2004  
 Rig Release (Re-drill): 01/05/2013  
 Days to Drill: 54  
 Days to Drill (Re-drill): 24  
 Drilling Rig: Grey Wolf #514  
 Drilling Rig (Re-drill): Silver Oak #1  
 Completion Date:

**07/07/2014****Well Bore Prior to Workover**

GL = 3340 ft  
 KB = ft

API# 30-015-33187

**TD - 13550 ft****Surface Casing**

13 3/8" 68 lb/ft J-55 BT&C  
 Setting Depth - 350 ft

**Cement**

400 sx Class C

**Intermediate Casing**

9 5/8" 47 lb/ft L-80 LT&C  
 Setting Depth - 1914 ft

**Cement**

Lead - 750 sx Class C 35/65 Poz  
 Tail - 200 sx Class C

**Intermediate Casing (2)**

7 5/8" 33.7 lb/ft P-110 SJ-2 – 74 jts  
 7 5/8" 33.7 lb/ft N-80 SJ-2 – 67 jts  
 Setting Depth - 8553 ft

**Cement**

Lead - 1027 sx Class H 50/50  
 Tail - 200 sx Class H

**Production Casing**

5 1/2" 17 lb/ft P-110 Ultra Premium  
 Setting Depth – 12588 ft

**Tubing Details**

Installation Date: 04/21/2021

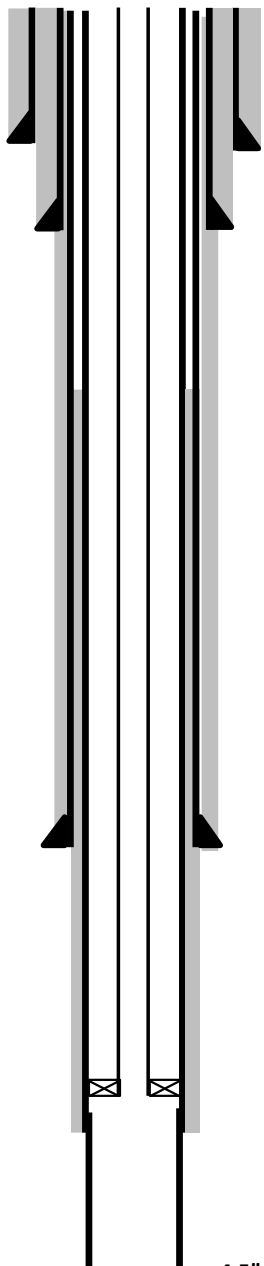
**3-1/2" 9.3#/ft L-80 (380 jts)**

KB  
 380 JTs 3 1/2" tubing  
 Baker Hornet packer bttm  
 Tail pipe assy

Detph  
 17'  
 12,528.8'  
 12,539.98'  
 12,545.61'

**Acidize - Devonian**

02/11/2013 Shack Energy Services  
 Acid - 20% Gelled Acid: 40,000 Gal  
 Salt - 12,500 lbs  
 AIR: 7.9 bpm  
 ATP: 885.2 psi



Open Hole Interval  
**12588' to 13550'**

**4.5" hole**  
**PBTD - 13550 ft**

Kinger #6 SWD

**White City**  
**Eddy County, NM**

Spud Date: 04/06/2004  
 Spud Date (Re-drill): 12/12/2012  
 Rig Release: 05/29/2004  
 Rig Release (Re-drill): 01/05/2013  
 Days to Drill: 54  
 Days to Drill (Re-drill): 24  
 Drilling Rig: Grey Wolf #514  
 Drilling Rig (Re-drill): Silver Oak #1  
 Completion Date:

**TD - 13550 ft**

**Surface Casing**

13 3/8" 68 lb/ft J-55 BT&C  
 Setting Depth - 350 ft

**Cement**

400 sx Class C

**Intermediate Casing**

9 5/8" 47 lb/ft L-80 LT&C  
 Setting Depth - 1914 ft

**Cement**

Lead - 750 sx Class C 35/65 Poz  
 Tail - 200 sx Class C

**Intermediate Casing (2)**

7 5/8" 33.7 lb/ft P-110 SJ-2 – 74 jts  
 7 5/8" 33.7 lb/ft N-80 SJ-2 – 67 jts  
 Setting Depth - 8553 ft

**Cement**

Lead - 1027 sx Class H 50/50  
 Tail - 200 sx Class H

**Production Casing**

5 1/2" 17 lb/ft P-110 Ultra Premium  
 Setting Depth – 12588 ft

07/07/2014

 **MURCHISON OIL & GAS, INC.**

## Proposed Well Bore

**Tubing Details**

Installation Date: 11/29/2022

**3-1/2" 9.3#/ft L-80 (380 jts)**

KB  
 380 JTs 3 1/2" tubing  
 Baker Model F bottom guide packer  
 Tail pipe assy

Depth  
 17'  
 12,528.8'  
 12,539.9'  
 12,545.61'

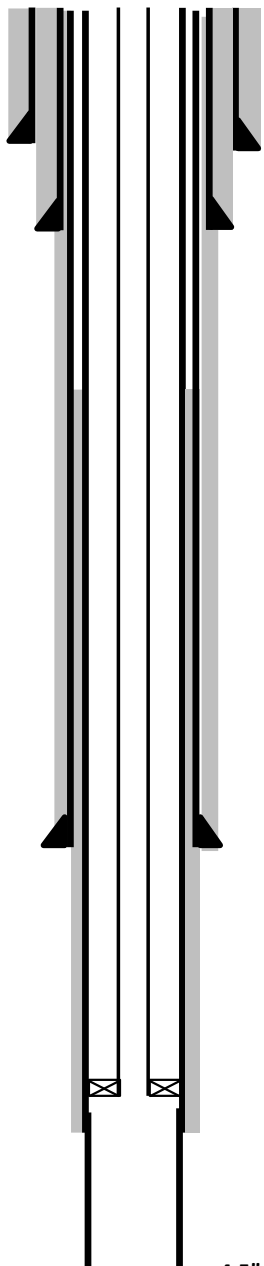
Prepared by: Pumphrey  
 Date: 1/24/2023

GL = 3340 ft  
 KB = ft

API# 30-015-33187

**Acidize - Devonian**

02/11/2013 Shack Energy Services  
 Acid - 20% Gelled Acid: 40,000 Gal  
 Salt - 12,500 lbs  
 AIR: 7.9 bpm  
 ATP: 885.2 psi



Open Hole Interval  
**12588' to 13550'**

**4.5" hole**  
**PBTD - 13550 ft**

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 180603

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 180603
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	should tubing replacement be required, the same size tube shall be replaced as stipulated by the respective order. The packer shall not be set more than 100 ft above the top perforation or top of the injection interval.	2/16/2024