

RECEIVED

Form 3160-5  
(June 2015)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 19 2018

FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018

**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.*

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. SF078771
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator LOGOS Operating, LLC		7. If Unit of CA/Agreement, Name and/or No.
3a. Address 2010 Afton Place Farmington, NM 87401		8. Well Name and No. ROSA UNIT 14
3b. Phone No. (include area code) (505) 324-4145		9. API Well No. 30-039-07958
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 930 FNL & 1830 FEL, NM/NE, B Sec 23 T31N R06W		10. Field and Pool or Exploratory Area Blanco Mesaverde
		11. Country or Parish, State Rio Arriba County, 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	Wellhead Repair Procedure
	<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 must 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 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.)

LOGOS requests approval of the attached procedure for wellhead test and repair procedure. Current wellbore diagram is attached. LOGOS will move rig on when it is finished on current job. 4/19/18 Verbal approval was received from Brandon Powell/OCD to proceed with well head test and contact him for approval prior to starting repairs.

Reference: RBDMS MPK1727853691

Notify NMOCD 24 hrs  
prior to beginning  
operations

NMOCD

APR 23 2018

DISTRICT III

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tamra Sessions		Regulatory Specialist	
Signature		Title	Date 04/19/2018

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title PE	Date 4/19/18
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 FFO	

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)

NMOCDAY

6



**WELLHEAD TEST & REPAIR  
PROCEDURE**

**ROSA UNIT 014**  
**30-039-07958**

**930' FNL & 1830' FEL  
Section 23, T31N, R06W  
Rio Arriba County, New Mexico**

**Lat 36.8898659 Long -107.4293823 NAD83**

**Mesaverde**

**CR: \_\_\_\_\_ Prepare/Consultant**  
**Date**

**KM: \_\_\_\_\_ Approve/Artificial Lift Consultant**  
**Date**

**DB: \_\_\_\_\_ Operations Manager**  
**Date**

**PROJECT OBJECTIVE:**

Tag for fill and TOO H w/ tubing. If tubing condition allows, leave ~38 jts tail pipe in hole and run RBP on tail pipe to 2 joints from surface and set same. Set RBP and TOO H w/ 2 joints setting pipe. Test wellhead by blowing production casing down and determining response of intermediate casing. Pending results of wellhead test, replace tubing head and other necessary wellhead equipment to restore integrity to the wellhead. TIH w/ 2 joints tubing, equalize RBP and release same. TOO H w/ RBP and tail pipe, laying down RBP and replacing tubing joints as needed. Bail fill if needed. TIH w/ tubing, changing out BHA and pressure test. Install bottom hole bumper spring and swab well to return to production.

**EQUIPMENT REQUESTED ON LOCATION:**

- 
- |     |  |
|-----|--|
| 1.  | Rig pit with 1% KCl with biocide (2.5 gal biocide/80 bbl produced water)                                 |
| 2.  | Rig pump   |
| 3.  | 2 tag joints   |
| 4.  | 5" 11.5# RBP w/ P1J valve (Select Oil Tools, Brian Martinez 505-215-2013)                                |
| 5.  | Fully assembled tubing head with bushing to seal on 5" 11.5# production casing (Big Red Tool)            |
| 6.  | Wellhead tree section with adapter, gate valves, tubing hanger and double o-ring seal sub (Big Red Tool) |
| 7.  | 2-3/8" 4.7# J-55 EUE inspected yellow band tubing joints from Logos inventory                            |
| 8.  | 2-3/8" x 2' tubing sub to use as marker joint, 2-3/8" saw tooth collar and 2-3/8" x 1.81" ID SN          |
| 9.  | Sand bailer, blade bit (5", 11.5#) – Select Oil Tools  |
| 10. | Bottom hole bumper spring for plunger operations.  |

**PERTINENT DATA:**

---

KB	10'
PBTD	5736'
EOT	5689'
LAST WORKOVER	7/19/1956
LAST TAG	None
PRODUCTION CASING SPECS	5" 11.5# J-55
TUBING SPECS	2-3/8" 4.7# J-55 EUE

**NOTES:**

- Well failed bradenhead tests in 2010, 2013 and 2016 with pressure and gas on the intermediate valve.
- Gas analysis shows identical gas on intermediate and production casing strings
- Intermediate valve maintained a steady blow of gas throughout test period

**WORKOVER PROCEDURE:**

1. Hold safety meeting. MIRU workover rig. Place fire and safety equipment in strategic locations. Comply with all LOGOS, BLM and NMOCD rules and regulations.
2. Lay flow lines. Check and record casing and tubing pressures. RU blow lines from casing valves to rig pit. Blow down tubing and casing pressure and kill well if necessary.
3. ND WH. NU BOP. PU 2 joints tubing to tag for fill. Report fill depth to engineer.
4. TOOH with tubing, visually inspecting and laying down joints as needed. If tubing condition is adequate to do so, stop tripping out of hole after 151 jts to leave 38 joints tail pipe below RBP. **If tubing condition is very poor, trip remaining tubing out of hole and prepare tubing to run RBP.** Note condition of tubing (presence of paraffin, iron scale, coal or sand). Lay down perf nipple w/ x pinned milling collar.

Current tubing configuration:

NO.	DESCRIPTION
189	2-3/8" 4.7# J-55 EUE tubing joints
1	Perf nipple w/ x pinned milling collar

5. Run retrieveable bridge plug (RBP) with P1J valve for 5" 11.5# casing with ~38 joints tail pipe and set ~ 2 joints below surface at ~ 62' KB. TOOH w/ 2 joints used to set RBP.
6. Attempt to identify wellhead communication in the following manner: blow down casing pressure completely. Check for remaining pressure on intermediate valve. If gas is present, blow down intermediate pressure, record flow conditions. Blow down all gas on intermediate then conduct five (5) minute SI test of intermediate and report flow and shut in test results to engineer.
7. If wellhead communication is identified:
  - a. **Contact NMOCD for repair approval**
  - b. Break connection at tubing head
  - c. Remove tubing head and visually inspect 5" slips
  - d. Set new, fully assembled tubing head on existing casing spool
  - e. Test new tubing head by testing port #1 between casing slips and bushing to 1500 psig for 5 minutes
  - f. Test port #2 from bushing to tubing head and casing to 1500 psig for 5 minutes
8. Once wellhead repair is complete, TIH w/ 2 joints of tubing, operate P1J valve to equalize RBP and release and TOOH with RBP and 38 joints tail pipe.
9. If fill was covering perforations, TIH w/ tubing bailer to cleanout. Otherwise, proceed to step 10.
10. Pick up 2-3/8" production tubing as follows. Land EOT @ 5689' (same as previous)

NO.	DESCRIPTION
1	2-3/8" Saw tooth collar
1	2-3/8" x 1.81" ID seating nipple
1	2-3/8" 4.7# J-55 EUE tubing joint
1	2-3/8" x 2' 4.7# J-55 EUE tubing sub marker joint (new)



188 | 2-3/8" 4.7# J-55 EUE tubing joints

11. Drop standing valve, load tubing w/ ~22 bbl treated water and pressure test to 500 psig. Swab back fluid from PT and retrieve standing valve.
12. Drop bumper spring and chase to bottom with rig sand line as needed.
13. Swab well in to unload and return to production.
14. **Notify lease operator or lead that well is ready to be returned to production w/ bumper spring installed.**

**CONTACTS:**

Catlain Richardson – Consultant	Bruce Hare – Tuboscope
Cell (505) 320-3499	Cell (505) 330-0913
Krista McWilliams - Artificial Lift Consultant	Gary Noyes – Energy Pump
Cell (505) 419-1627	Cell (505) 330-1932
Duane Bixler – Workover Rig Supervisor	
Cell (505) 635-1663	



### Wellbore Schematic

Well Name: Rosa Unit 14  
Location: Sec 23, T-31N, R-6W 930' FNL & 1830' FEL  
County: Rio Arriba  
API #: 30-039-07958  
Co-ordinates: Lat 36.8898659 Long -107.4293823 NAD83  
Elevations: GROUND: 6292'  
KB: 6302'  
Depths (KB): PBD: 5739'

Date Prepared: 3/21/2018 Hespe  
Last Updated: \_\_\_\_\_  
Spud Date: 6/25/1956  
Completion Date: 8/7/1956  
Last Workover Date: \_\_\_\_\_

