

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2016

**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.*

5. Lease Serial No.  
SF-081100-A

6. If Indian, Allottee or Tribe Name  
Ute Mountain Ute

**RECEIVED**  
**APR 21 2016**  
Farmington Field Office  
Bureau of Land Management

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

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

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and No.  
Ram #2 Fc

2. Name of Operator  
Red Willow Production Company

9. API Well No.  
3004528598

3a. Address  
P. O. Box 369  
14933 Hwy 172, Ignacio, CO 81137

3b. Phone No. (include area code)  
(970) 563 - 5155

10. Field and Pool or Exploratory Area  
Basin Fruitland Coal

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
995' FNL, 800' FEL, Sec 8, T26N, R12W, SWNE

11. County or Parish, State  
San Juan County

**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"/> 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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" 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 recomplete 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 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 determined that the site is ready for final inspection.)

Plug & Abandon well according to the attached P&A procedure. Work planned for October 2016

Notify NMOCD 24 hrs  
prior to beginning  
operations

ACCEPTED FOR RECORD

JUN 29 2016

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

OIL CONS. DIV DIST. 3

JUL 05 2016

\* NOT approved on 7/17/2015  
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Cindy Lewis

Title Senior Petroleum Engineer

Signature *Cindy Lewis*

Date 04/18/2016

**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

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

7  
KC

Walsh Engineering and Production

P & A Procedure for  
Running Horse Production Co.  
Ram #2

Location: NE/4 Sec 8 T26N R12W  
San Juan County, NM  
API: 30-045-28598

Date: July 7, 2015

Field: Basin Fruitland Coal  
Surface: BLM  
Minerals: BLM SF - 081100-A

Elev: GL 5967'  
4-1/2" @ 1922'  
PBD: 1258' KB  
FTC Perfs: 1161' - 1170'

**Procedure:**

1. Move on location and rig up a well service unit. Hold a safety meeting and explain the procedure to the crew.
2. Pull and lay down the polished rod and liner, 4' and 8' pony rods, 43 3/4" rods (15 with guides), three 1-1/4" sinker bars, and a 2" X 1-1/2" X 10' RWAC pump. Nipple down the well head and nipple up the BOP. Lay down 1168' (36 joints) of 2-3/8" tubing.
3. Nipple down the BOP and remove the tubinghead. Screw a 4-1/2" X 2" swedge directly to the 4-1/2" casing. Install a 2" ball valve to the top of the swedge.
4. Load the casing and establish an injection rate into the Fruitland Coal perfs with 25 bbls of fresh water. Mix and pump 100 sx (118 cu.ft.) of neat cement. Add 10 #/sk celloflake and drop 50 7/8" ball sealers in the first 4 bbls of cement. Continue pumping cement until the well holds 500 psi pressure. Close the ball valve on the swedge and WOC overnight.
5. Cut the wellhead off 4' below the ground level. Install a dryhole marker with a weep hole. Reclaim location as per surface owner specifications.

-----  
Paul C. Thompson, P.E.

# RED WILLOW PRODUCTION CO.

## Proposed Wellbore

Name: Ram #2

API #: 3004528598

Spud Date: 11/8/1991

TD: 1300'

Date: 16-Jul-15

PBTD: 1258'

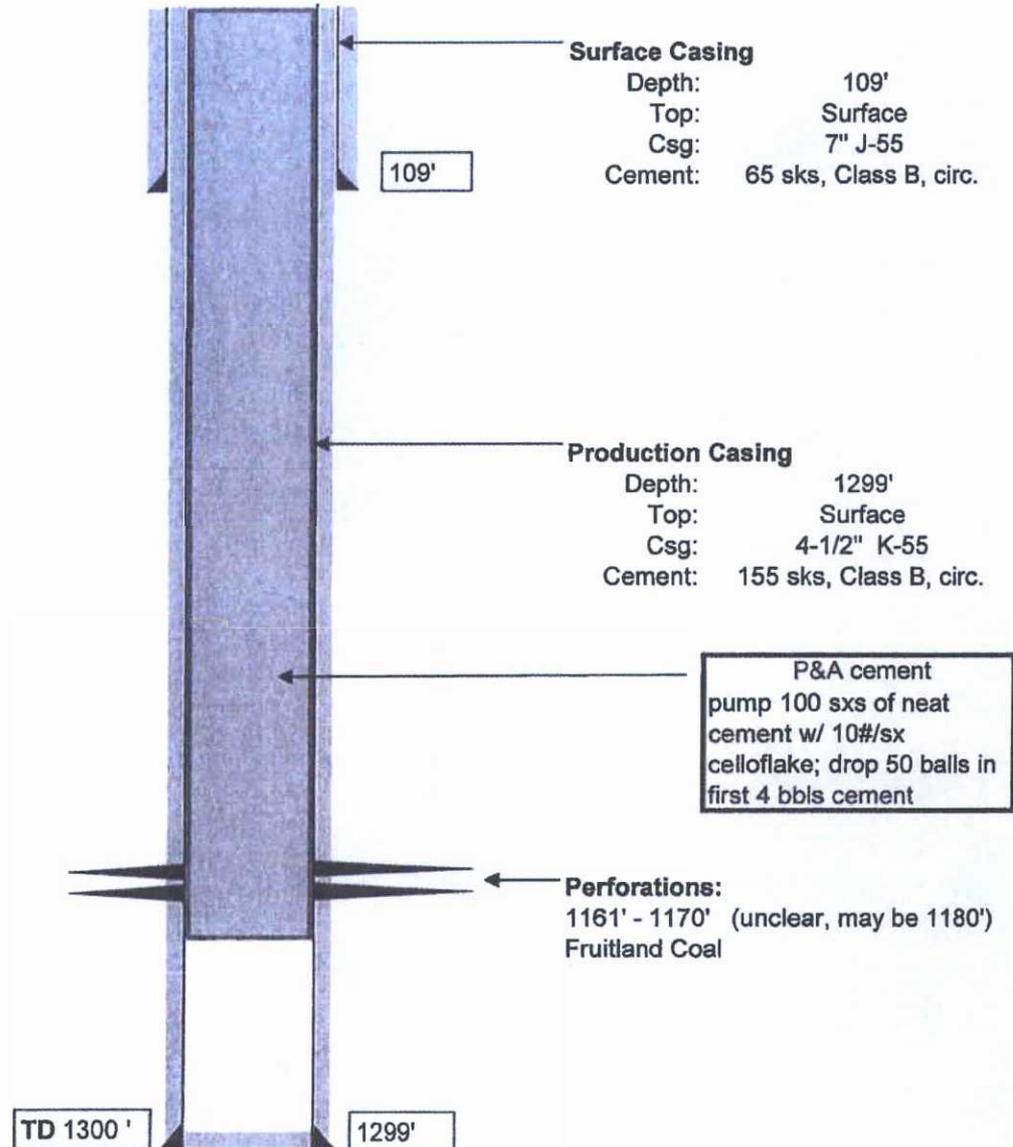
Status: SI

Location: NE/4 S. 8, T26N - R12W

County, State: San Juan, NM

GL: 5967'

KB:



### Surface Casing

Depth: 109'  
Top: Surface  
Csg: 7" J-55  
Cement: 65 sks, Class B, circ.

### Production Casing

Depth: 1299'  
Top: Surface  
Csg: 4-1/2" K-55  
Cement: 155 sks, Class B, circ.

P&A cement  
pump 100 sxs of neat  
cement w/ 10#/sx  
celloflake; drop 50 balls in  
first 4 bbls cement

### Perforations:

1161' - 1170' (unclear, may be 1180')  
Fruitland Coal

### Tops:

Fruitland 983'

Pictured Cliffs: 1,187'

7/19/1994 PC, replace 300' tbg

11/28/1994 HIT; no mention of replacing pump

10/4/1995 HIT; no mention of replacing pump

12/26/2001 replace tbg string, new pump.

2/4/2002 HIT; no mention of replacing pump

12/15/2004 pump change

8/21/2008 tag fill 11' under EOT; press test tbg 500#; plan on clean out to PBTD w/bailer next day, but no report

# RED WILLOW PRODUCTION CO.

## Current Wellbore

Name: Ram #2

API #: 3004528598

Date: 18-Jul-12

Spud Date: 11/8/1991

TD: 1300'

PBTD: 1258'

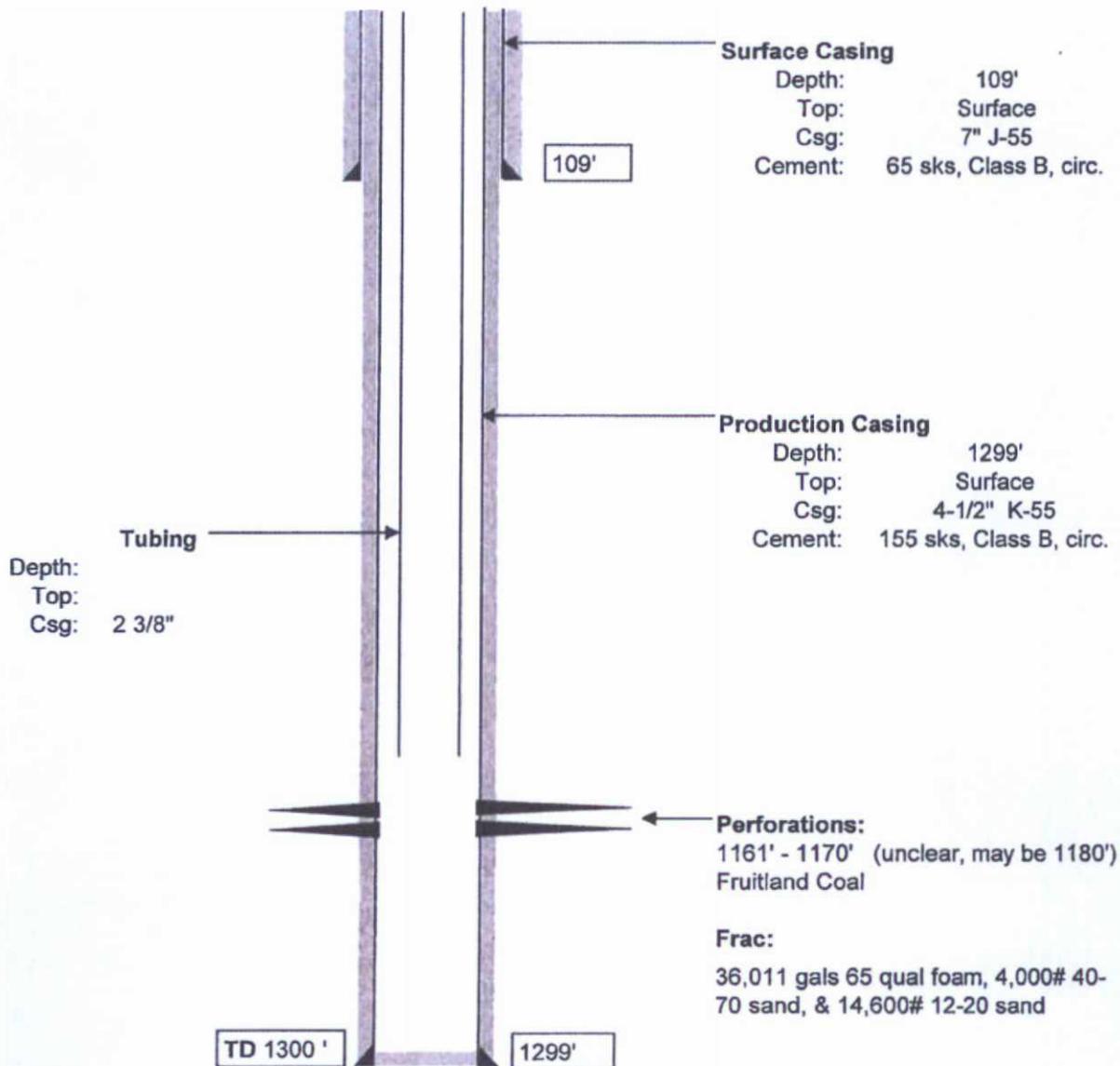
Status: Marginal Prod

Location: NE/4 S. 8, T26N - R12W

County, State: San Juan, NM

GL: 5967'

KB:



### Tops:

Fruitland 983'  
Pictured Cliffs: 1,187'

7/19/1994 PC, replace 300' tbg

11/28/1994 HIT; no mention of replacing pump

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: Ram #2

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
  - 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densimeter/scales)
- 3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
  - 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
  - 4.3 Surface plugs may be no less than 50' in length.
  - 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
  - 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
  - 4.6 **A cement bond log (CBL) is required to be ran if one had not been previously ran or cement did not circulate to surface during the primary cement job or subsequent cement job.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.