

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS

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

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

5. Lease Serial No.  
SF 079352A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
Harrington Federal #3

9. API Well No.  
30-039-05320

10. Field and Pool, or Exploratory Area  
Blanco PC South

11. County or Parish, State  
Rio Arriba County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. ☐ Oil Well ☒ Gas Well ☐ Other 070 FARMINGTON NM

2. Name of Operator  
Elm Ridge Resources, Inc.

3a. Address  
P.O. Box 156, Bloomfield, NM 87413

3b. Phone No. (include area code)  
(505) 632-3476 ext. 203

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FNL X 1650' FEL Sec. 28-T24N-R1W NW/NE

12. CHECK 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 Operations (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.)

Elm Ridge Resources, Inc. requests approval to Plug and Abandon this well according to the attached procedure.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Amy Mackey Title Production Assistant

Signature [Signature] Date April 19, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Original Signed: Stephen Mason Title Date APR 29 2005

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, makes 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 reverse)

NMOC

### **Plugging Program for Harrington Federal #3:**

Plug 1: Set retainer at 2948'. Squeeze 7 sacks below retainer. Spot 30 sack plug above retainer to cover tops of Pictured Cliffs, Fruitland Coal, and Ojo Alamo.

Plug 2: Perf 4 holes @ 1430'. Set retainer at 1380'. Pump 43 sacks below retainer and spot 8 sack plug on top of retainer to cover top of Nacimiento.

Plug 3: Perf 4 holes @ 144'. Tie onto 4-1/2" casing and pump 50 sacks, or sufficient volume to bring cement top surface inside and outside 4-1/2" casing.

Cut off wellhead 3' below surface. Install dry hole marker. Reclaim location.

# Elm Ridge Resources

## Pertinent Data Sheet

**Well Name:** Harrington Federal #3  
**Footage:** 990' FNL and 1650' FEL  
**Location:** Section 28, T24N, R1W  
**County:** Rio Arriba County, NM  
**API#:** 30-039-05320

**Field:** South Blanco Pictured Cliffs      **Elevation:** 7319' KB      **TD:** 3200' KB

**Completed:** 9/29/61

### **Casing Record:**

Hole Size	Casing Size	Wt.	Grade	Depth Set	Cement
9-5/8"	8-5/8"	24#	N/A	94'	75 sacks (Circ. to Surface)
7-7/8"	4-1/2"	9.5#	N/A	3050'	100 sacks TOC 1750' (CBL)

**Remedial Cement:** Squeezed casing failure at 2890' with 100 sacks.

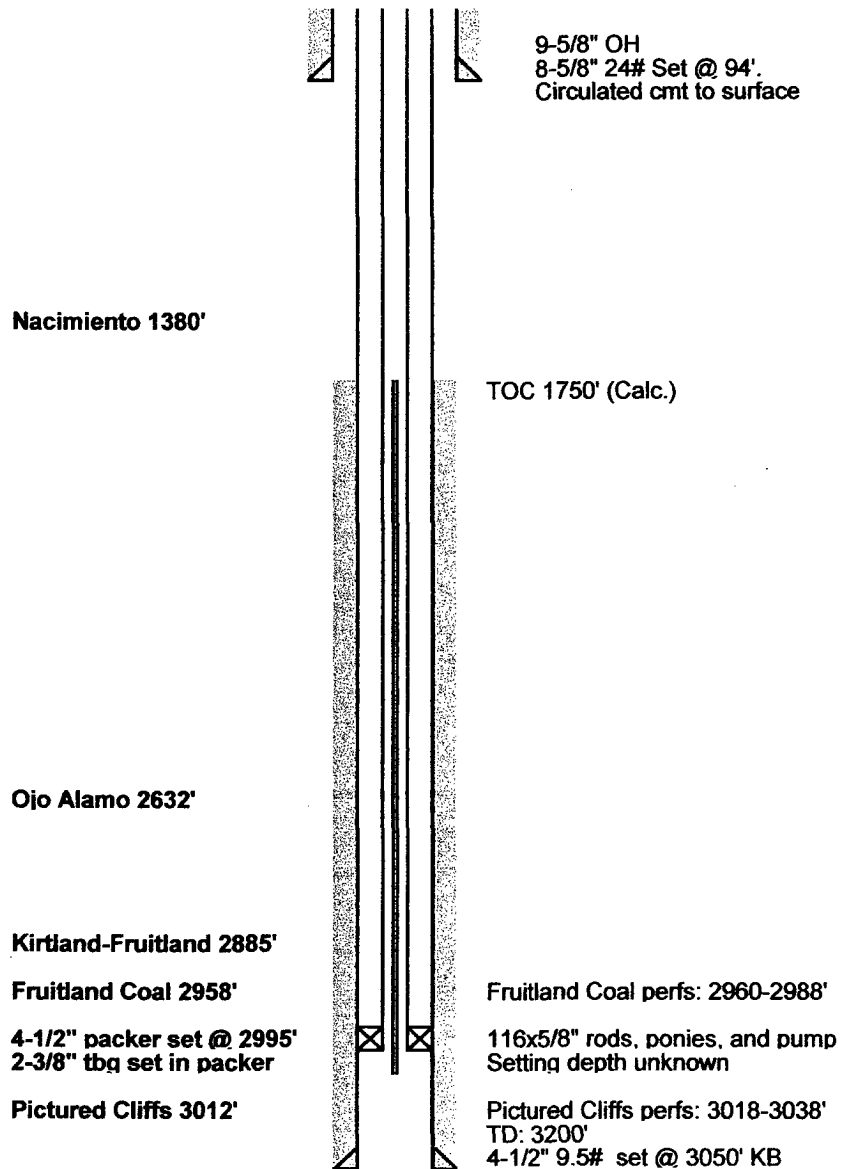
**Tubing:** 2-3/8" with 4-1/2" packer (model unknown) set at 2995'. 116x5/8" rods, ponies, and pump.

### **Formation Tops:**

Nacimiento	1380'
Ojo Alamo	2632'
Kirtland-Fruitland	2885'
Fruitland Coal	2958'
Pictured Cliffs	3012'

**Perforations:** Fruitland Coal: 2960-2988' (isolated above packer, and not producing)  
Pictured Cliffs: 3018-3038'

Wellbore Diagram  
Harrington Federal #3  
NE/4 Sec. 28, T24N, R1W  
Rio Arriba County Co., NM  
API #30-039-05320



# LANE WELLS ELGEN Electrolog

FILE NO.	COMPANY SHAR-ALLEN OIL COMPANY		
	WELL HARRINGTON FEDERAL N° 3		
	FIELD LINDRITH		
	COUNTY RIO ARriba STATE NEW MEXICO		
	LOCATION: NE/4	Other Services	
	SEC 28 TWP. 24 N RGE 1 W	NONE	
Permanent Datum	G. L.	Dev. 7319	Elevations: KB 7324
Log Measured from	K. B. 5	ft. Above Permanent Datum	DF 7323
Dripping Measured from	K. B. OR 5 ABOVE G. L.		GL 7319
Date	7-30-61		
Run No.	ONE		
Depth—Driller	3200		
Depth—Logger	3196		
Bottom Logged Interval	3195		
Top Logged Interval	100		
Casing—Driller	8 5/8 @ 100	@	@
Casing—Logger	100		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL GEL		
Density and Viscosity	9.4 186		
pH and Fluid Loss	8.5 7.5 cc	cc	cc
Source of Sample	FLOW LINE		
Rm @ Meas. Temp.	3.9 @ 78 °F	@	@
Rmf @ Meas. Temp.	3.5 @ 78 °F	@	@
Rmc @ Meas. Temp.	3.0 @ 78 °F	@	@
Source of Rmf and Rmc	MEASURED		
Rm @ BHT	2.6 @ 114 °F	@	@
Time Since Crc.			
Max. Rec. Temp. Deg. F.	114	°F	°F
Equip. No. and Location	4470 FARM		
Recorded By	WRIGHT		
Witnessed By	MR. COLE		

THIS HEADLINE AND LOG CORRESPOND TO API RECOMMENDED STANDARD PRACTICE 1P-1

Reproduced By  
*Rocky Mountain Well Log Service*  
 Dallas 2, Texas

REFERENCE K7764A



4 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY Ohms m <sup>2</sup> /m	RESISTIVITY Ohms m <sup>2</sup> /m
- 10 +		16" NORMAL A 16" M 18' N 8 B	64" NORMAL A 64" M 64' 10" N 8 B
		0 100	0 100
		0 1000	0 1000
		0 LATERAL 100	0 1000
		0 A 32" B 16' 8" N 50' 10" M 1000	

