

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

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

Do not use this form for proposals to drill or reenter 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  
Elm Ridge Exploration Co., LLC

3a Address  
PO Box 156, Bloomfield, NM 87413

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

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1815' FNL X 825' FWL  
"E" Sec 19-T23N-R6W

5 Lease Serial No

SF-078360

6 If Indian, Allottee or Tribe Name

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

8 Well Name and No

Lybrook South #12

9 API Well No.

30-043-20836

10. Field and Pool, or Exploratory Area

Lybrook Gallup

11 County or Parish, State

Rio Arriba County, NM

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 Exploration intends to plug and abandon this well according to the attached procedure.

RCVD DEC 12'11

OIL CONS. DIV.

DIST. 3

Notify NMOCD 24 hrs  
prior to beginning  
operations

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Amy Mackey

Title

Administrative Manager

Signature

Date

December 5, 2011

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

DEC 09 2011

-----Original Signed: Stephen Mason-----  
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)

NMOCD A

## Plugging Program for Lybrook South #12:

Plug 1: TIH with 4-1/2" casing scraper on 2-3/8" workstring to 5240'. TOOH. PU and TIH with 4-1/2" cement retainer and set at 5220'. Squeeze below retainer with 8 sx and spot ~~15~~ sx to cover perfs and 50' above top of Gallup. PU and reverse circulate with 2 tubing volumes of water. *Top of Gallup @ 5090'*

Plug 2: Spot 11 sx balanced plug from <sup>2774 2674</sup>~~3472-3372~~ to cover 100' across top of Cliff House. PU and reverse circulate with 2 tubing volumes of water.

Plug 3: Spot 11 sx balanced plug from 2388-2288' to cover 100' across top of Chacra (per NMOCD). PU and reverse circulate with 2 tubing volumes of water.

Plug 4: Spot 85 sx balanced plug from <sup>1982 1300</sup>~~1970-818~~' to cover top of Pictured Cliffs, Fruitland, and Ojo Alamo. PU and reverse circulate with 2 tubing volumes of water.

Plug 5: With end of tubing at 378', mix and pump 28 sx or sufficient volume to bring cement to surface inside 4-1/2" casing.

Remediate location per Conditions of Approval.

# Elm Ridge Resources

## Pertinent Data Sheet

**Well Name:** Lybrook South #12

**Footage:** 1815' FNL and 825' FWL

**Location:** Section 19, T23N, R6W

**County:** Sandoval County, NM

**API#:** 30-043-20836

**Lease#:** SF-078360

**Field:** Lybrook Gallup

**Elevation:** 6971' GR

**TD:** 5700' KB

**PBTD:** 5620' KB

**Completed:** 10/4/90

### **Casing Record:**

Hole Size	Casing Size	Wt.	Grade	Depth Set	Cement
12-1/4"	8-5/8"	23#	N/A	328'	250 sx (Circ.)
7-7/8"	4-1/2"	11.6#	N/A	5684'	650sx 63/35 and 250 sx 50/50 (Circ.)

**Tubing Record:** None

### **Formation Tops:**

San Jose Surface

Nacimiento Behind surface casing

Ojo Alamo 918'

Fruitland Coal 1670'

Pictured Cliffs 1920'

Lewis 2030'

Chacra 2338'

Cliff House 3422'

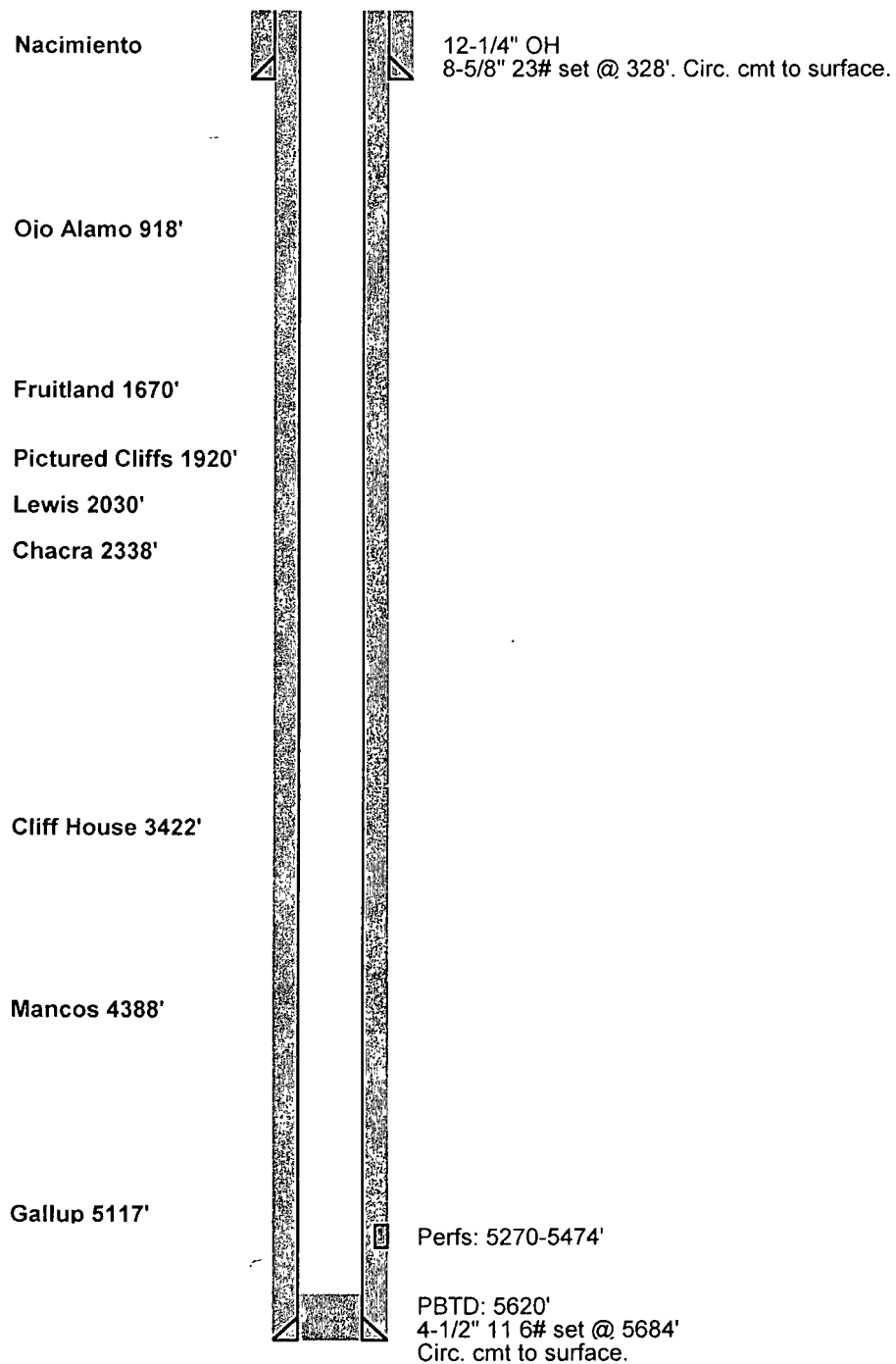
Mancos 4388'

Gallup 5117'

**Perforation Record:** 5270-5474'

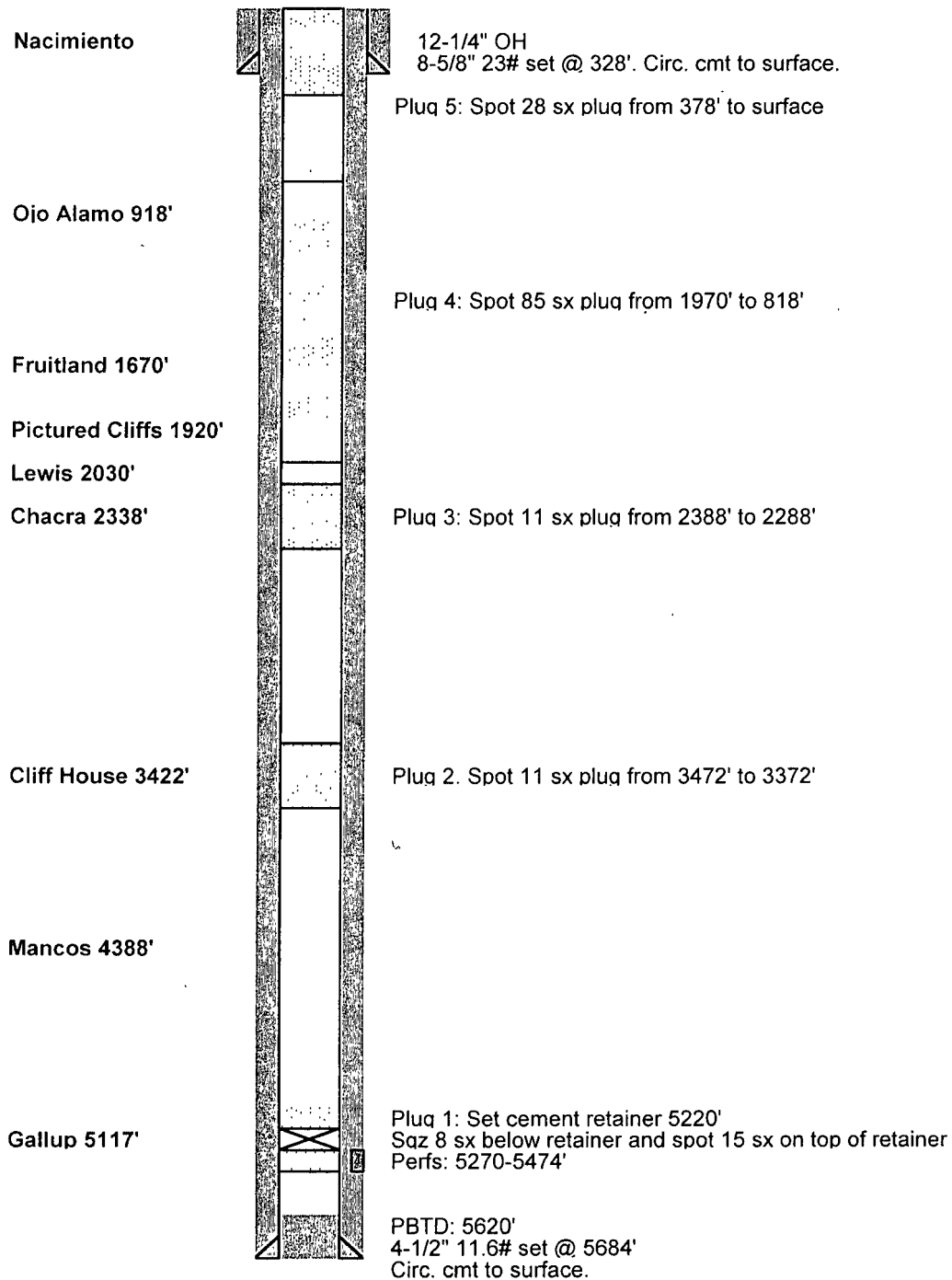
Wellbore Diagram  
Lybrook South #12  
NW/4 Sec. 19, T23N, R6W  
Sandoval County, NM  
API #30-043-20836

Before



Wellbore Diagram  
 Lybrook South #12  
 NW/4 Sec. 19, T23N, R6W  
 Sandoval County, NM  
 API #30-043-20836

After



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 12 Lybrook South

**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) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Bring the top of the Gallup plug to 5040'.
  - b) Place the Mesaverde plug from 2774' – 2674'.
  - c) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 1982' – 1300'.

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.