

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-078360

6. If Indian, Allottee or Tribe Name

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

RECEIVED

8. Well Name and No.

DEC 16 2010

Lybrook South #4

9. API Well No.

Farmington Field Office
Bureau of Land Management

30-039-24756

10. Field and Pool, or Exploratory Area

Lybrook Gallup

11. County or Parish, State

Rio Arriba County, NM

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)

964' FSL X 1758' FEL

"O" Sec. 14-T23N-R7W

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.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD DEC 22 '10

OIL CONS. DIV.
DIST. 3

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

Name (Printed/Typed)

Amy Mackey

Title

Administrative Manager

Signature

Date

December 9, 2010

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Original Signed: Stephen Mason

Title

Date

DEC 17 2010

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

Plugging Program for Lybrook South #4:

Plug 1: TIH with 4-1/2" casing scraper on 2-3/8" workstring to 5480'. TOOH. PU and TIH with 4-1/2" cement retainer and set at 5450'. Squeeze below retainer with 8 sx and spot ~~12~~ sx to cover perfs and 50' above top of Gallup. PU and reverse circulate with 2 tubing volumes of water. *Bring up of plug to 5050'*

2927 2827

Plug 2: Spot 11 sx balanced plug from ~~3520-3420~~ to cover 100' across top of Cliff House. PU and reverse circulate with 2 tubing volumes of water.

2497 2397

Plug 3: Spot 11 sx balanced plug from ~~2920-2820~~ to cover 100' across top of Chacra (per NMOCD). PU and reverse circulate with 2 tubing volumes of water.

63 1255

Plug 4: Spot 67 sx balanced plug from ~~2050-1490~~ 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 356', mix and pump 27 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 #4

Footage: 964' FSL and 1758' FEL

Location: Section 14, T23N, R7W

County: Rio Arriba County, NM

API#: 30-039-24756

Lease#: SF-078360

Field: Lybrook Gallup

Elevation: 7089' GR

TD: 5700' KB

PBTD: 5636' KB

Completed: 6/9/90

Casing Record:

Hole Size	Casing Size	Wt.	Grade	Depth Set	Cement
12-1/4"	8-5/8"	23#	X-42	306'	230 sx (Circ.)
7-7/8"	4-1/2"	11.6#	J-55	5682'	1150 sx (Circ.)

Tubing Record: 175 jts. 2-3/8" set at 5555'

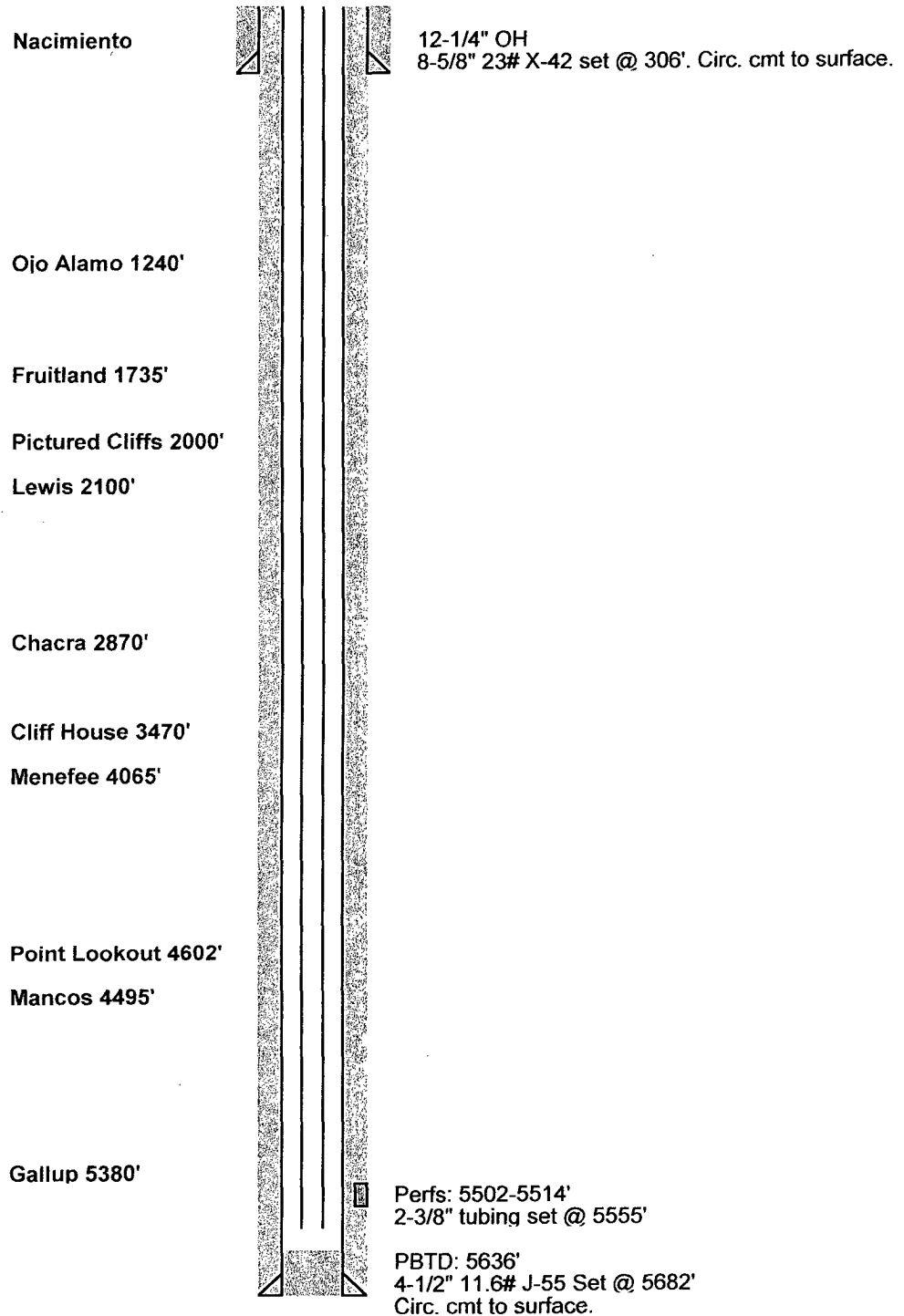
Formation Tops:

San Jose Surface
Nacimiento Behind pipe
Ojo Alamo 1240'
Fruitland Coal 1735'
Pictured Cliffs 2000'
Lewis 2100'
Chacra 2870'
Cliff House 3470'
Menefee 3520'
Point Lookout 4330'
Mancos 4495'
Gallup 5380'

Perforation Record: 5502-5514'

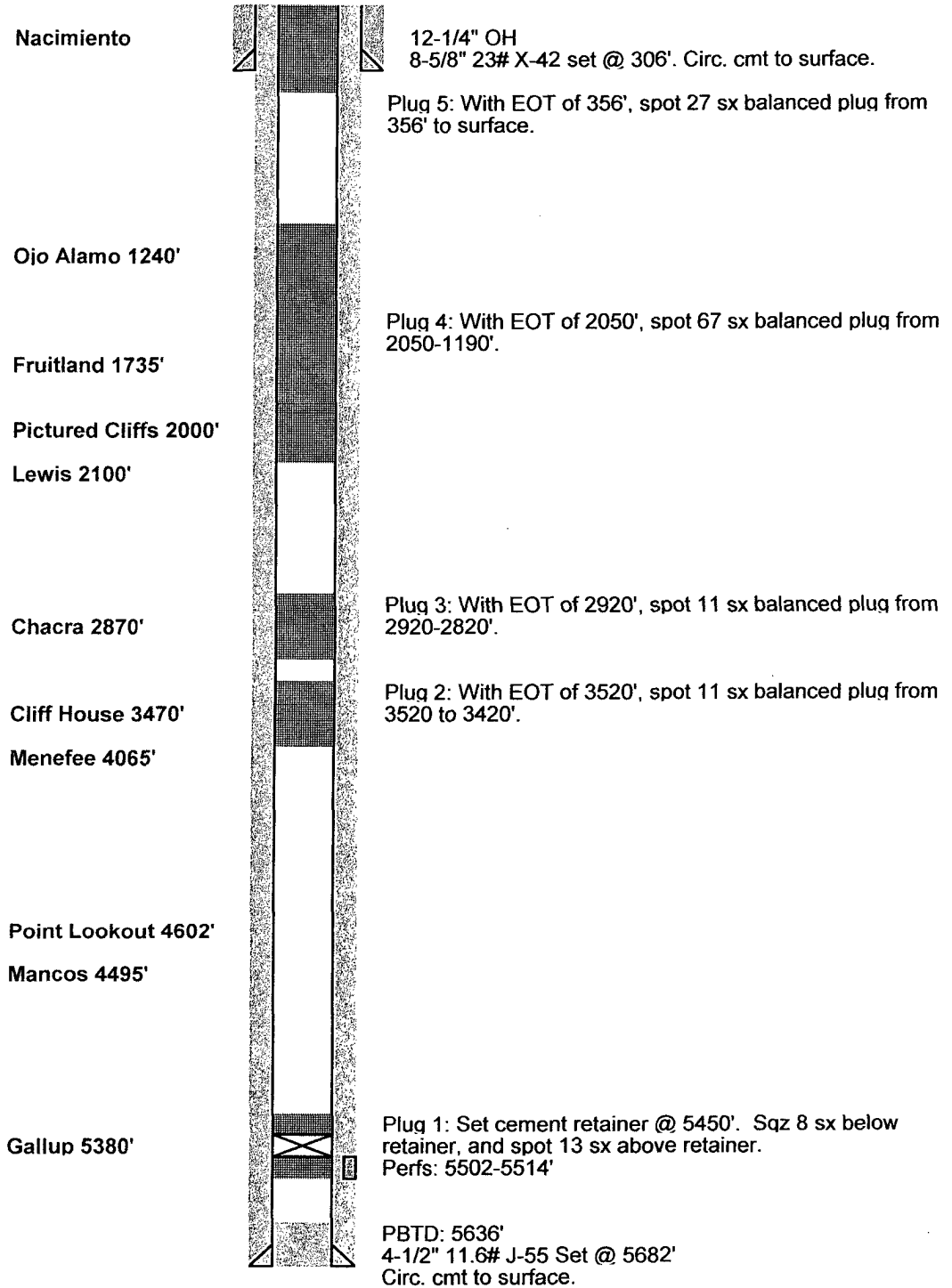
Wellbore Diagram
Lybrook South #4
SE/4 Sec. 14, T23N, R7W
Rio Arriba County, NM
API #30-039-24756

Before



Wellbore Diagram
 Lybrook South #4
 SE/4 Sec. 14, T23N, R7W
 Rio Arriba County, NM
 API #30-039-24756

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: 4 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 5050'.
 - b) Place the Mesaverde plug from 2927' – 2827'.
 - c) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 2063' – 1255'.

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.