

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: March 4, 2014

Application Type:

- P&A   
  Drilling/Casing Change   
  Recomplete/DHC  
 Location Change   
  Other:

Well information:

| API WELL#          | Well Name          | Well # | Operator Name                     | Type | Stat | County     | Surf_Owner | UL | Sec | Twp | N/S | Rng | W/E |
|--------------------|--------------------|--------|-----------------------------------|------|------|------------|------------|----|-----|-----|-----|-----|-----|
| 30-039-05996-00-00 | JICARILLA APACHE F | 009    | ELM RIDGE EXPLORATION COMPANY LLC | G    | A    | Rio Arriba | J          | P  | 16  | 25  | N   | 5   | W   |

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Run CBL and present to agencies prior to perforating



NMOCD Approved by Signature

3/17/14  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

SUNDRY NOTICES AND REPORTS ON WELLS

MAR 06 2014

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

5. Lease Serial No.  
Jicarilla Contract 149

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

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

8. Well Name and No.  
Jicarilla Apache F #9

9. API Well No.  
30-039-05996

10. Field and Pool, or Exploratory Area  
West Lindrith Gallup-Dakota

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)  
1120' FSL X 1120' FEL  
"P" Sec. 16-T25N-R5W

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"/> Subsequent Report           | <input type="checkbox"/> Deepen                      |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Fracture Treat              |
|  | <input type="checkbox"/> Casing Repair               |
|  | <input type="checkbox"/> New Construction            |
|  | <input type="checkbox"/> Change Plans                |
|  | <input checked="" type="checkbox"/> Plug and Abandon |
|  | <input type="checkbox"/> Convert to Injection        |
|  | <input type="checkbox"/> Plug Back                   |
|  | <input type="checkbox"/> Production (Start/Resume)   |
|  | <input type="checkbox"/> Reclamation                 |
|  | <input type="checkbox"/> Recomplete                  |
|  | <input type="checkbox"/> Temporarily Abandon         |
|  | <input type="checkbox"/> Water Disposal              |
|  | <input type="checkbox"/> Water Shut-Off              |
|  | <input type="checkbox"/> Well Integrity              |
|  | <input type="checkbox"/> Other                       |

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 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 shall 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 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 Co., LLC requests permission to plug and abandon this well according to the attached procedure.

RCVD MAR 11 '14  
OIL CONS. DIV.  
DIST. 3

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

|                                    |                                 |
|------------------------------------|---------------------------------|
| Name (Printed/Typed)<br>Amy Mackey | Title<br>Administrative Manager |
| Signature                          | Date<br>March 4, 2014           |

THIS SPACE FOR FEDERAL OR STATE USE

|   |        |
|---|--------|
| Approved by<br>Original Signed: Stephen Mason   | Title  |
| 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 |

MAR 07 2014

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 D PV

## Plugging Program for Jicarilla Apache F #9:

- 1) TOOH with 1-1/2" tubing strings from both Gallup and Dakota 2-7/8" wellbores.
- 2) Establish rate into both 2-7/8" casing strings with water.
- 3) In Dakota wellbore only, perforate squeeze holes at 5350' and 4200'.
- 4) Tie onto 2-7/8" Gallup casing string. Mix and pump 121 sx cement. Drop wiper plug, and displace to 2000' with 11.6 bbls water, to cover inside Gallup 2-7/8" casing string from 50' below top Gallup perf to 2000' (120' above Ojo Alamo top).
- 5) Tie onto 2-7/8" Dakota casing string. Mix and pump 631 sx cement. Drop wiper plug, and displace to 2000' with 11.6 bbls water, to cover inside Dakota 2-7/8" casing string from 50' below top of Dakota to 2000' (120' above Ojo Alamo top), and outside Dakota and Gallup strings from 5350' to 4200'.
- 6) In both Gallup and Dakota casing strings, perforate squeeze holes at 980'. Tie onto both Gallup and Dakota casing strings. Mix and pump 443 sx, or sufficient volume to bring cement from 50' below top of Nacimiento to surface inside and outside both Gallup and Dakota casing strings.
- 7) Cut off both casing strings 4' below surface, set dry hole marker, and remediate location per regulatory agencies' conditions of approval.

See  
Appendix

# Elm Ridge Exploration Co., LLC

## Pertinent Data Sheet

**Well Name:** Jicarilla Apache F #9  
**Footage:** 1120' FSL and 1120' FEL  
**Location:** Section 16, T25N, R5W  
**County:** Rio Arriba County, NM  
**API#:** 30-039-05996

**Field:** West Lindrith GP-DK      **Elevation:** 6760' KB

**TD:** 7450' KB  
**GP PBTD:** 7210' KB  
**DK COTD:** 7340' KB

**Completed:** 6/11/62

### Casing Record:

| Hole Size | Csg Size | Wt.   | Grade | Depth Set | Cement                                       |
|-----------|----------|-------|-------|-----------|--|
| 13-3/4"   | 9-5/8"   | 25.4# | SJ-SW | 215'      | 175 sx (Circ. cement to surface.)            |
| 7-7/8"    | 2-7/8"   | 6.4#  | SS    | 7250'     | Stg 1: 330 sx (DK: 200 sx; GP 130 sx)        |
| 7-7/8"    | 2-7/8"   | 6.4#  | SS    | 7439'     | Stg 2: 325 sx (DV tool @ 4051') <sup>1</sup> |

<sup>1</sup>1st Stage TOC: 5480' (TS). 2<sup>nd</sup> Stage TOC: 2000' (TS)

**Tubing Record:** GP: 1 jt 1-1/2" tbg, SN, and remaining tbg to 6209'.  
DK: 1 jt 1-1/2" tbg, SN, and remaining tbg to 7226'

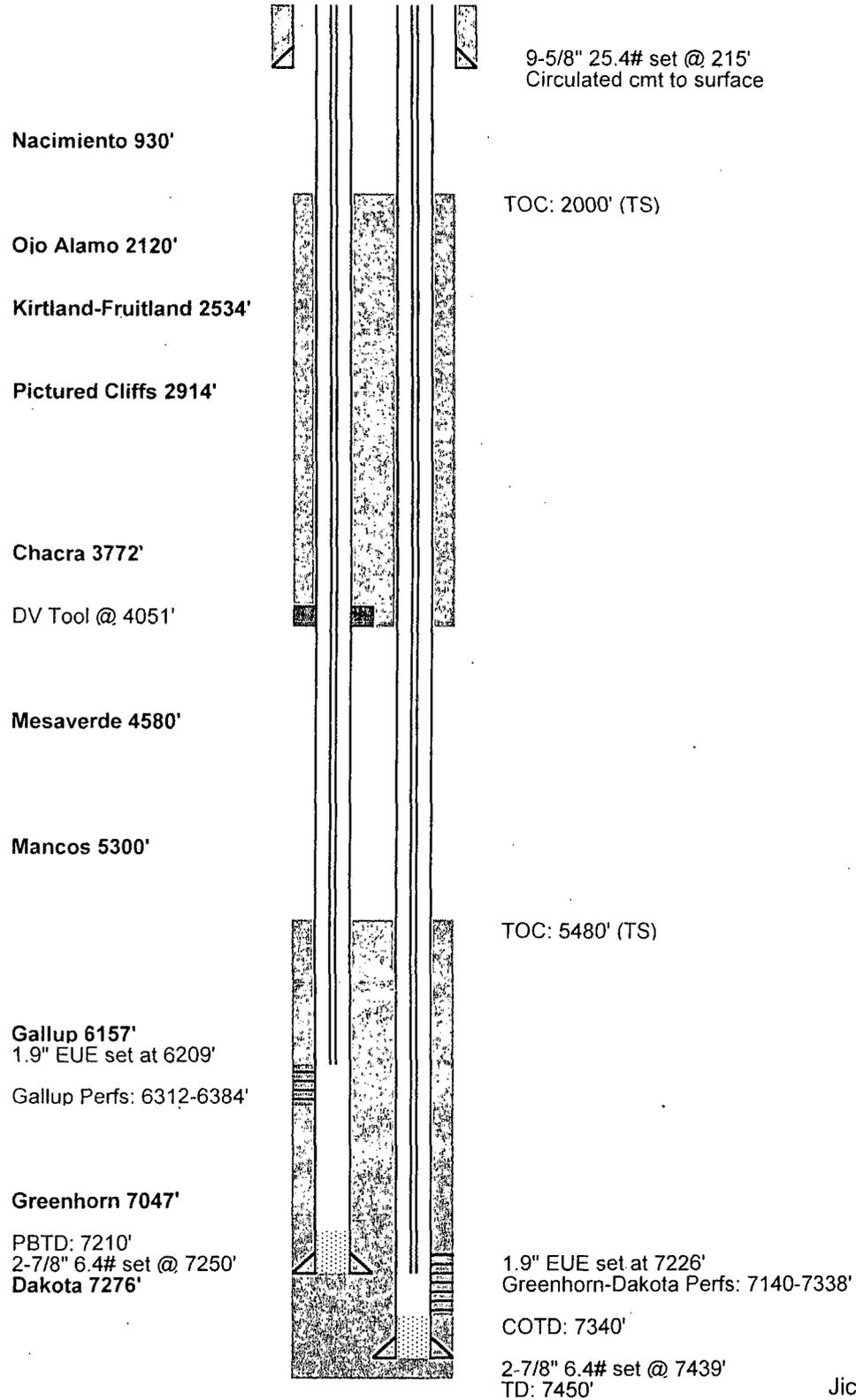
### Formation Tops:

|                    |         |
|--------------------|---------|
| San Jose           | Surface |
| Nacimiento         | 930'    |
| Ojo Alamo          | 2120'   |
| Kirtland-Fruitland | 2534'   |
| Pictured Cliffs    | 2914'   |
| Lewis              | 2987'   |
| Chacra             | 3772'   |
| Mesaverde          | 4580'   |
| Mancos             | 5300'   |
| Gallup             | 6157'   |
| Greenhorn          | 7047'   |
| Dakota             | 7276'   |

**Perforation Intervals:** Gallup string: 6312-6384'  
Dakota string: 7140-7338'

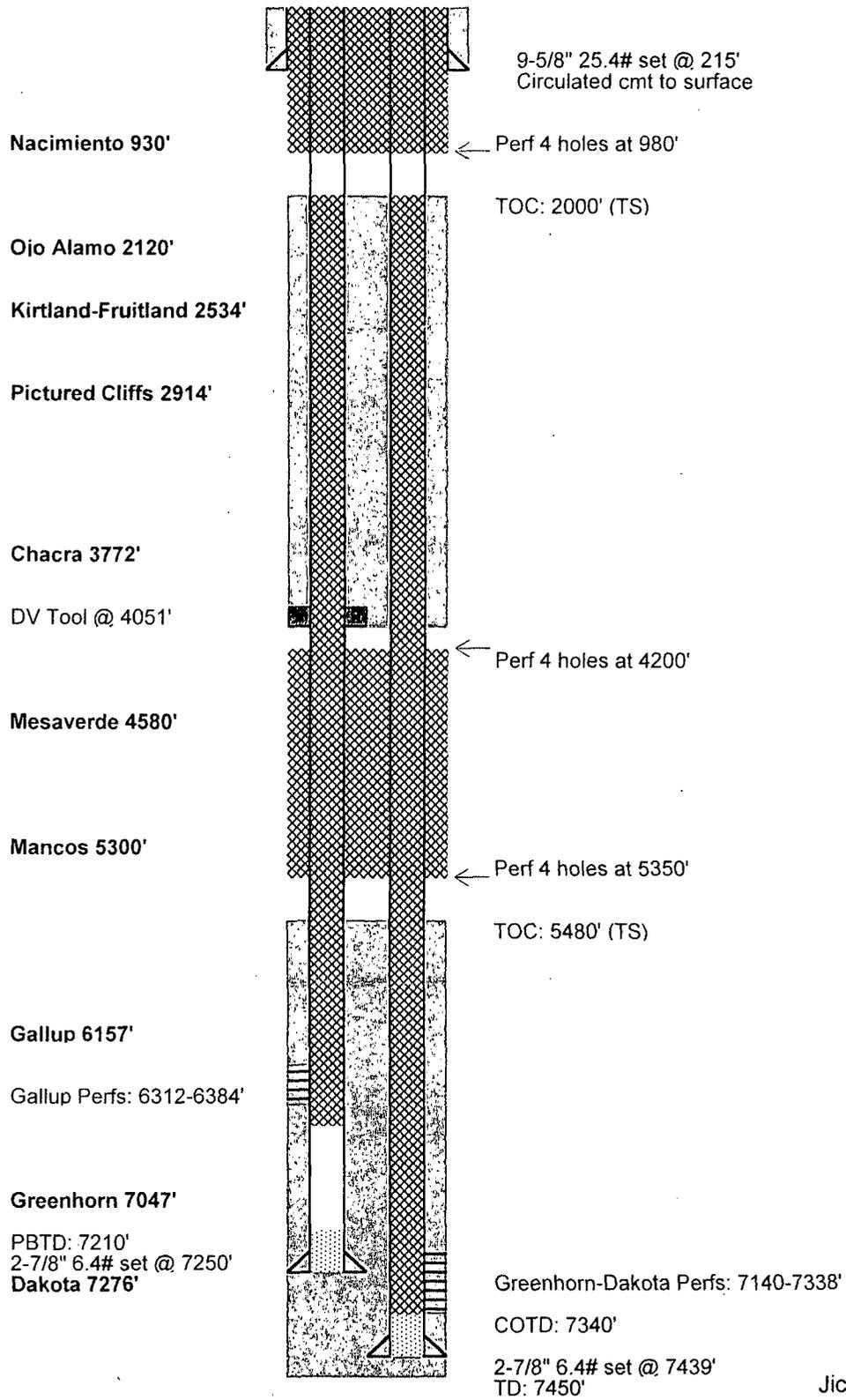
Wellbore Diagram  
 Jicarilla Apache F 9  
 Sec. 16, T25N, R5W  
 Rio Arriba Co., NM  
 API #30-039-05996

Before



Wellbore Diagram  
 Jicarilla Apache F 9  
 Sec. 16, T25N, R5W  
 Rio Arriba Co., NM  
 API #30-039-05996

After



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: 9 Jicarilla Apache F

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.

3. The following modifications to your plugging program are to be made:

The procedure as outlined in step #5 would not work. You will be required as follows:

- a) Bring the top of the Dakota/Gallup top to 6057' or higher.
- b) Perforate the casing @ 5427' and place the Mancos plug from 5427' – 5327' inside and outside the 2 7/8" casing.
- c) Perforate the casing @ 4606' and place the Mesavered plug from 4606' - 4506' inside and outside the 2 7/8" casing.
- d) Place the Chacra/Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 3827' - 2287'.

Note: The Gallup casing plug outlined in step #4, the casing will need to be tested. If the casing doesn't test, pumping down the casing would not work and plugs would have to be set through tubing.

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.