

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: May 6<sup>th</sup>, 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
30-039-05420-00-00	JICARILLA APACHE B	009	ELM RIDGE EXPLORATION COMPANY LLC	G	A	Rio Arriba	J	A	20	24	N	5	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Provide CBL to agencies prior to cementing

Extend Ojo Alamo plug to 1600 feet

NMOCD Approved by Signature

May 27, 2014  
Date

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

RECEIVED

MAY 14 2014

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.*

5. Lease Serial No.  
BIA #11

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache Tribe

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

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

9. API Well No.  
30-039-05420

10. Field and Pool, or Exploratory Area  
Basin Dakota

11. County or Parish, State  
Rio Arriba, NM

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1.  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 ext. 201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
"A" Sec.-20-T24N-R5W  
990' FNL X 990' FEL

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 recomplate 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 recomplate 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 requests permission to plug and abandon this well according to the attached procedure.

OIL CONS. DIV DIST. 3

MAY 19 2014

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

Name (Printed/Typed) Amy Mackey	Title Sr. Regulatory Supervisor
Signature	Date May 6, 2014

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Original Signed: Stephen Mason	Title	Date MAY 15 2014
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

# Elm Ridge Resources

## Pertinent Data Sheet

**Well Name:** Jicarilla Apache B 9  
**Footage:** 990' FNL and 990' FEL  
**Location:** NWNW Section 20, T24N, R5W  
**County:** Rio Arriba County, NM  
**API#:** 30-039-05420

**Field:** Basin Dakota

**Elevation:** 6577' KB

**TD:** 6815' KB

**PBTD:** 6749' KB

**Completed:** 4/6/1962

### Casing Record:

Hole Size	Casing Size	Wt.	Grade	Depth Set	Cement
13-3/4"	9-5/8"	25.4#	N/A	174'	150 sx (circ cmt to surface)
7-7/8"	3-1/2"	9.2#	J-55	6811'	Stg 1: 400 sx Stg 2: 100 sx (DV tool: 2408') <sup>1</sup>

(1) 1<sup>st</sup> stage TOC: 4576' (Temp. survey). 2<sup>nd</sup> stage TOC: 2021' (Temp. survey)

**Tubing:** 219 jts 1-1/4" 2.4# tbg set at 6617'

### Formation Tops:

Ojo Alamo 1643' (est.)  
Kirtland-Fruitland 1946'  
Pictured Cliffs 2220'  
Lewis 2336'  
Chacra 3044'  
Mesa Verde 3740'  
Mancos 4610'  
Gallup 5476'  
Dakota 6584'

### Perforations:

Dakota perforations: 6586' – 6657'

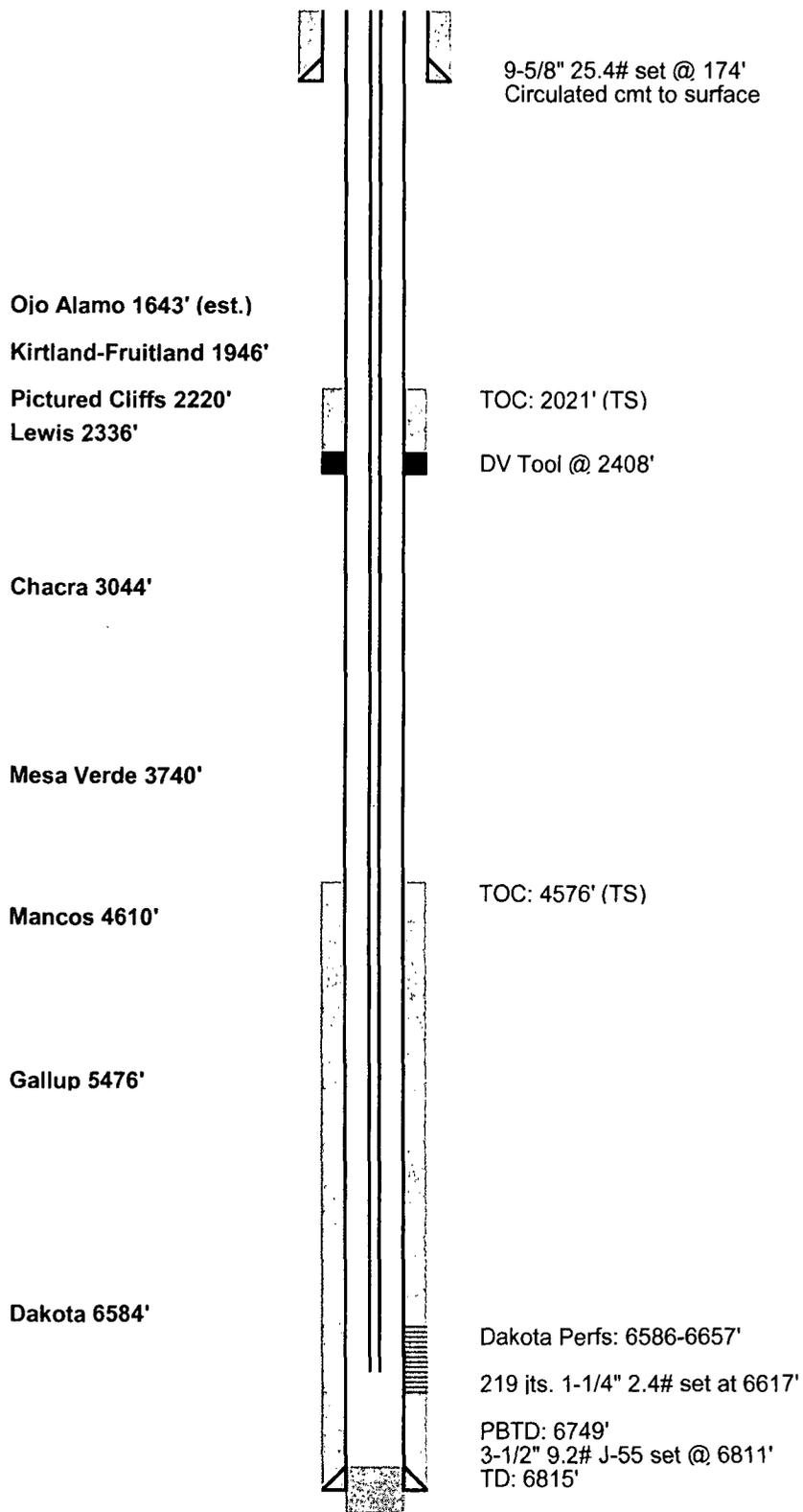
### Notes:

10/12

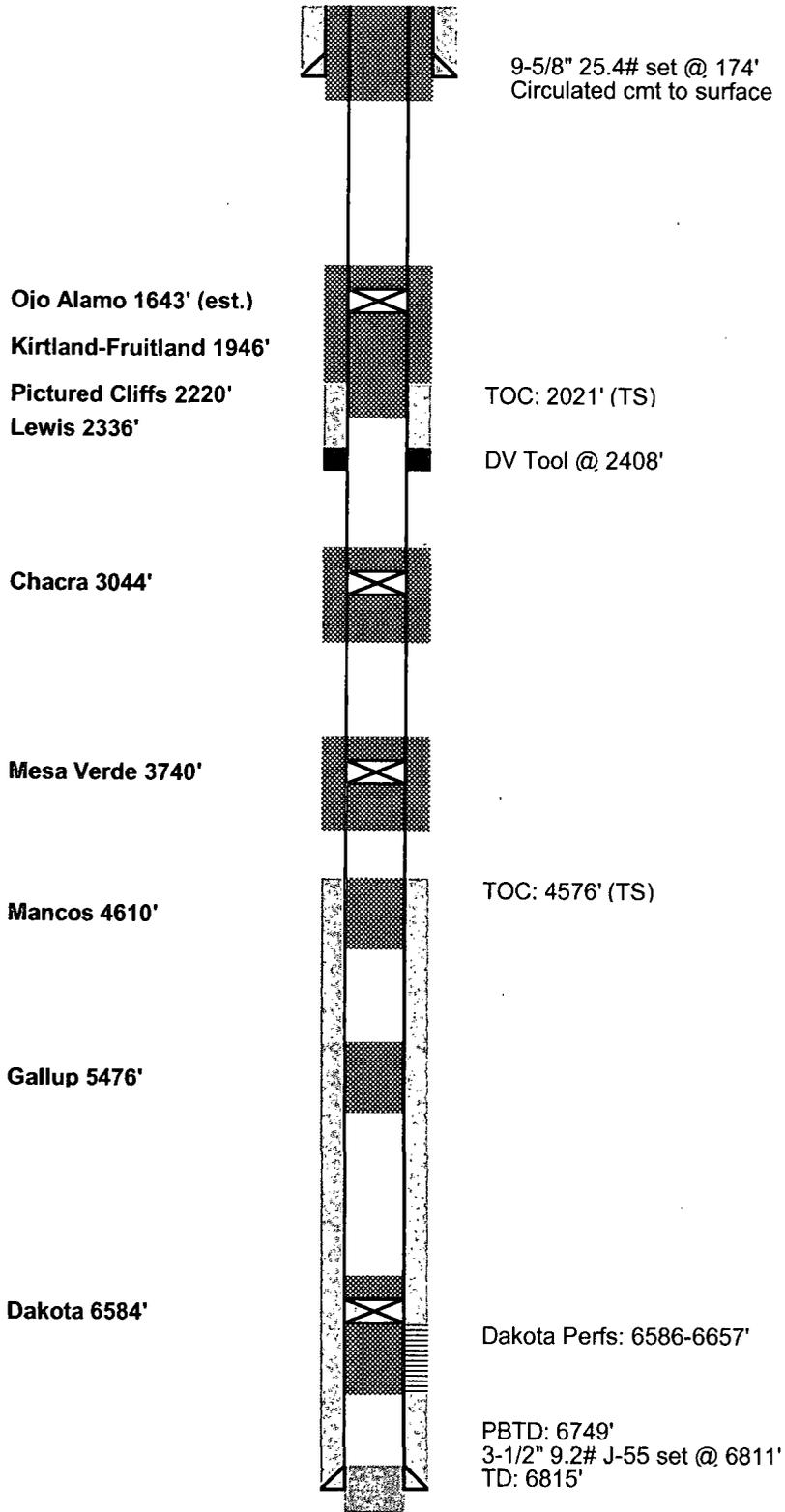
## Plugging Program for Jicarilla Apache B 9

- 1) MOL RU. TOOH with 1-1/4" tubing.
- 2) RIH with 3-1/2" cement retainer and set at 6574'. Squeeze below cement retainer with 5 sx. Sting out and spot 2 sx on top of cement retainer. *Bring top of cement to 6394'*
- 3) Pull up to 55~~76~~<sup>4632'</sup>'. Spot balanced cement plug with 7 sx to cover top of Gallup.
- 4) Pull up to 47~~40~~''. Spot balanced cement plug with 7 sx to cover top of Mancos.
- 5) TOOH and rig up wireline. Perforate 4 holes at 3790'. Set cement retainer at 3740'. Squeeze below retainer with 26 sx to cover top of Mesa Verde inside and outside 3-1/2" casing. Sting out and spot 2 sx on top of retainer.
- 6) Perforate 4 holes at 3094'. Set 3-1/2" cement retainer at 3044'. Squeeze below retainer with 26 sx to cover top of Chacra inside and outside 3-1/2" casing. Sting out and spot 2 sx on top of retainer.  
*Set cement plug inside from 2268' - 2010' when ...*
- 7) Perforate 4 holes at 2000'. Set 3-1/2" cement retainer at 16~~43~~<sup>1950</sup>'. Squeeze below retainer with 200 sx to cover top of Pictured Cliffs, Fruitland, and Ojo Alamo inside and outside 3-1/2" casing. Sting out and spot 2 sx on top of retainer.
- 8) Perforate 4 holes at 2~~24~~<sup>386</sup>'. Tie on to 3-1/2" casing. Mix and pump 20 sx, or sufficient volume, to bring cement to surface inside and outside 3-1/2" casing.
- 9) Cut off well head 4 feet below surface and remediate location in accordance with regulatory agencies' conditions of approval.

Wellbore Diagram  
Jicarilla Apache B #9  
Sec. 20, T24N, R5W  
Rio Arriba Co., NM  
API #30-039-05420



Wellbore Diagram  
 Jicarilla Apache B #9  
 Sec. 20, T24N, R5W  
 Rio Arriba Co., NM  
 API #30-039-05420



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 B

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:
  - a) Bring the top of the Dakota plug to 6394'.
  - b) Place the Gallup plug from 5526' – 5426'.
  - c) Place the Mancos plug from 4632'- 4532'.
  - d) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 2268' - 2010' inside the 3 ½" casing and 2000' – 1593' inside and outside the 3 ½" casing.
  - e) Place the Nacimiento/Surface plug from 386' to surface inside and outside the 3 ½" casing.

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.