

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 6th, 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
30-039-21231-00-00	JICARILLA APACHE B	015	ELM RIDGE EXPLORATION COMPANY LLC	G	A	Rio Arriba	J	K	30	24	N	5	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Provide CBL to agencies prior to cementing

Extend Chacra plug to 2860 feet

NMOCD Approved by Signature

3/26/14

Date

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

MAR 06 2014

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. <input checked="" type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. BIA #11
2. Name of Operator Elm Ridge Exploration Company, LLC		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe
3a. Address P.O. Box 156 Bloomfield, NM 87413	3b. Phone No. (include area code) (505) 632-3476 ext. 203	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit K, Section 30, T24N, R5W; 1630' FSL 1465' FWL		8. Well Name and No. Jicarilla Apache B #15
		9. API Well No. 30-039-21231
		10. Field and Pool, or Exploratory Area Basin Mancos/Basin Dakota
		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.)

This well is incapable of production. Elm Ridge Exploration Company, LLC therefore requests approval to plug and abandon this well according to the attached procedure.

RCVD MAR 13 '14

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Amy Mackey	Title Production Assistant
Signature	Date March 6, 2014

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Original Signed: Stephen Mason	Title	Date MAR 07 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

Plugging Program for Jicarilla Apache B #15

- 1) TOOH with 2-3/8" tubing. PU and TIH with mill on 2-3/8" tubing and drill out composite bridge plug at 6250'. TOOH.
- 2) PU and TIH with 5-1/2" casing scraper to 5380'. TOOH. PU 5-1/2" cement retainer on 2-3/8" tubing and TIH to 5369'. Squeeze below retainer with 137 sx. Sting out and spot 6 sx on top of retainer, to cover across top of Dakota, Dakota perforations, Gallup perforations, and top of Gallup.
- 3) Pull up to ⁵⁴4528'. With end of tubing at ⁵⁴4528' spot 17 sx balanced plug to cover 100 feet across top of Mancos.
- 4) Pull up to 3672'. With end of tubing at 3672' spot 17 sx balanced plug to cover 100 feet across top of Mesa Verde.
- 5) Pull up to ³⁰¹⁰2957'. With end of tubing at ³⁰¹⁰2957' spot 17 sx balanced plug to cover 100 feet across top of Chacra.
- 6) Pull up to 2151'. With end of tubing at 2151' spot 77 sx balanced plug to cover 100 feet across tops of Pictured Cliffs, Kirtland-Fruitland, and Ojo Alamo.
- 7) Pull up to 427'. With end of tubing at 427' pump 49 sx or sufficient volume to cover across surface casing shoe and to bring cement to surface inside 5-1/2" casing.
- 8) Cut off well head 4 feet below surface and remediate location in accordance with regulatory agencies' conditions of approval.

Elm Ridge Resources

Pertinent Data Sheet

Well Name: Jicarilla Apache B #15
Footage: 1630' FSL and 1465' FWL
Location: "K" Section 30, T24N, R5W
County: Rio Arriba County, NM
API#: 30-039-21231

Field: Basin Mancos/Basin Dakota

Elevation: 6561' KB

TD: 6760' KB

CBP: 6250' KB

PBTD: 6580' KB

Completed: 12/20/1976

Casing Record:

Hole Size	Casing Size	Wt.	Grade	Depth Set	Cement
12-1/4"	9-5/8"	32.3#	H-40	377'	350 sx (Circ. To Surface)
7-7/8"	5-1/2"	15.5#	K-55	6758'	2025 total sx in 3 stages. Stg 1: 400 sx (cmt. above DV @ 5005') Stg 2: 350 sx (cmt. above DV @ 3399') Stg 3: 1275 sx (circ. cmt. to surface)

⁽¹⁾ 3 stage cement job with DVs at 3399' and 5005' and float collar at 6715'. Cement circulated to surface on all three stages.

Tubing: 2-3/8" tubing set at 5493'

Formation Tops:

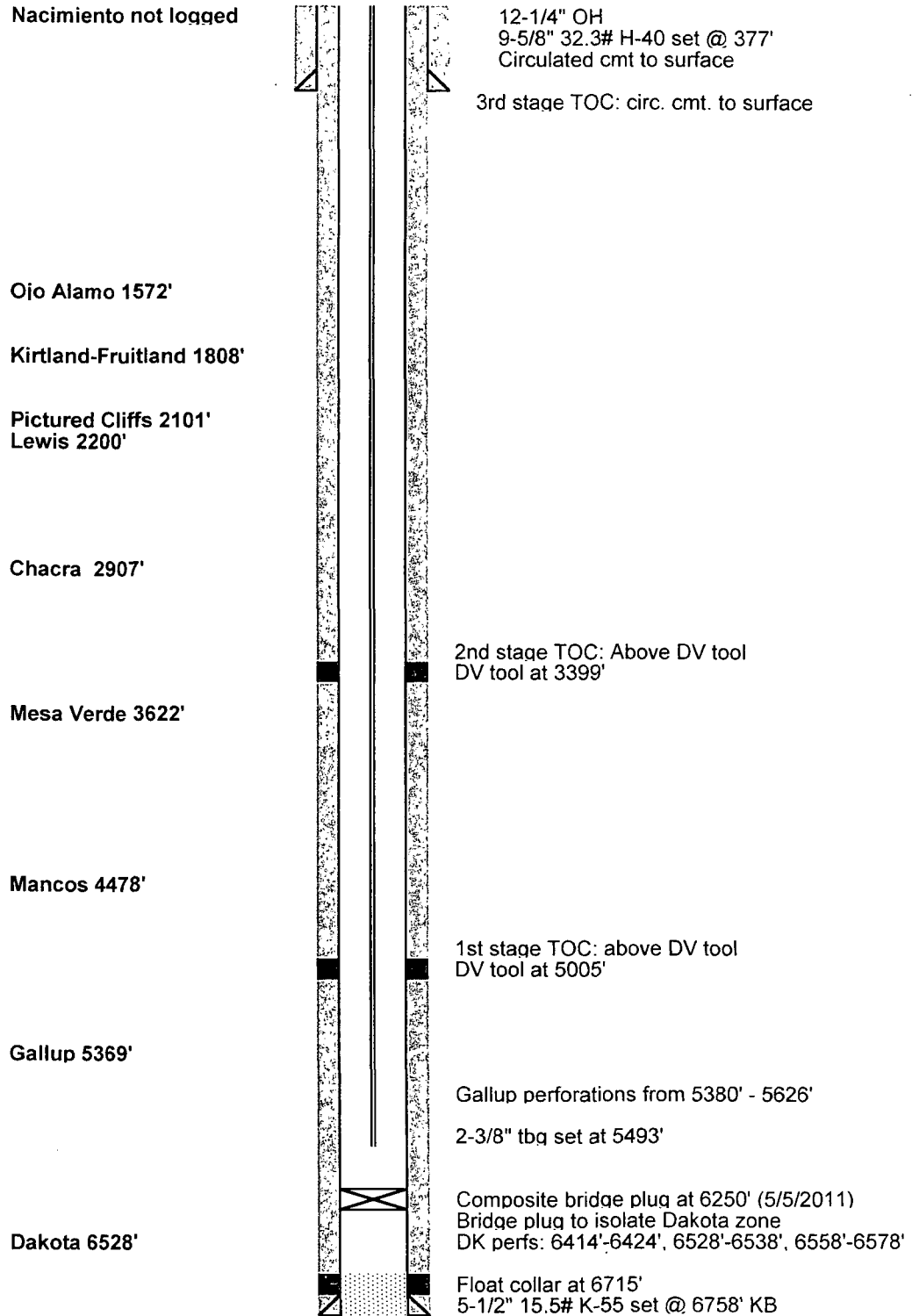
San Jose	Surface
Nacimiento	Not logged
Ojo Alamo	1572'
Kirtland-Fruitland	1808'
Pictured Cliffs	2101'
Lewis	2200'
Chacra	2907'
Mesa Verde	3622'
Mancos	4478'
Gallup	5369'
Dakota	6528'

Perforations: Gallup: 5380'-5408', 5424'-5446', 5455'-5462', 5472'-5481', 5521'-5584', 5620'-5626'
(Composite bridge plug set at 6250' and abandoned lower perforations)

Notes: CBP set at 6250' (5/5/2011).

Wellbore Diagram
 Jicarilla Apache B #15
 "K" Sec. 30, T24N, R5W
 Rio Arriba Co., NM
 API #30-039-21231

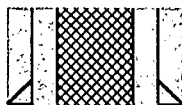
Before



Wellbore Diagram
 Jicarilla Apache B #15
 "K" Sec. 30, T24N, R5W
 Rio Arriba Co., NM
 API #30-039-21231

After

Nacimiento not logged



12-1/4" OH
 9-5/8" 32.3# H-40 set @ 377'
 Circulated cmt to surface

3rd stage TOC: circ. cmt. to surface

Ojo Alamo 1572'

Kirtland-Fruitland 1808'

Pictured Cliffs 2101'
 Lewis 2200'

Chacra 2907'

2nd stage TOC: Above DV tool
 DV tool at 3399'

Mesa Verde 3622'

Mancos 4478'

1st stage TOC: above DV tool
 DV tool at 5005'

Gallup 5369'

Cmt. retainer @ 5369'
 Gallup perforations from 5380' - 5626'

Dakota 6528'

DK perfs: 6414'-6424', 6528'-6538', 6558'-6578'



Float collar at 6715'
 5-1/2" 15.5# K-55 set @ 6758' KB

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: 15 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) Place the Mancos plug from 4554'- 4454'.
 - b) Place the Chacra plug from 3020'- 2920'.

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.