

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-42907	Pool Code 96831	Pool Name CEDAR LAKE; GLORIETA-YESO
Property Code 308724	Property Name NFE FEDERAL	Well Number 52H
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3767'

Surface Location

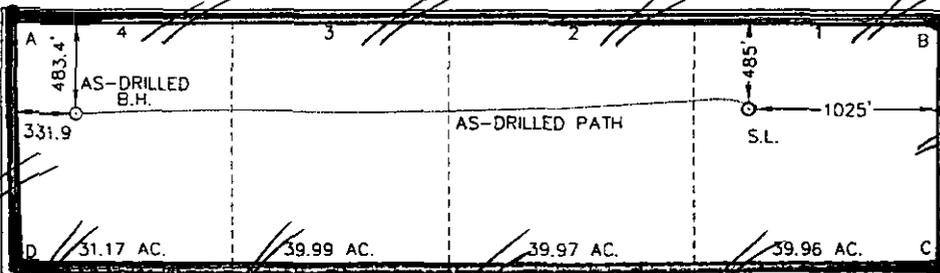
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	17-S	31-E		485	NORTH	1025	EAST	EDDY

As-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	17-S	31-E		483.4	NORTH	331.9	WEST	EDDY

Dedicated Acres 151.09	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



GEODETIC COORDINATES  
NAD 27 NME  
BOTTOM HOLE LOCATION  
Y= 680219.2 N  
X= 628388.0 E  
LAT.=32.869306° N  
LONG.=103.915180° W  
LAT.=32°52'10" N  
LONG.=103°54'55" W  
31.27 AC.

CORNER COORDINATES TABLE  
NAD 27 NME  
A - Y=680700.2 N, X=628054.7 E  
B - Y=680734.2 N, X=633041.3 E  
C - Y=679414.4 N, X=633048.7 E  
D - Y=679380.9 N, X=628058.7 E

GEODETIC COORDINATES  
NAD 27 NME  
SURFACE LOCATION  
Y= 680242.2 N  
X= 632019.3 E  
LAT.=32.869329° N  
LONG.=103.903353° W  
LAT.=32°52'10" N  
LONG.=103°54'12" W

GEODETIC COORDINATES  
NAD 83 NME  
BOTTOM HOLE LOCATION  
Y= 680283.2 N  
X= 669566.7 E  
LAT.=32.869423° N  
LONG.=103.915687° W  
LAT.=32°52'10" N  
LONG.=103°54'56" W  
31.37 AC.

CORNER COORDINATES TABLE  
NAD 83 NME  
A - Y=680764.3 N, X=669233.4 E  
B - Y=680798.3 N, X=674219.9 E  
C - Y=679478.5 N, X=674227.3 E  
D - Y=679445.0 N, X=669237.4 E

GEODETIC COORDINATES  
NAD 83 NME  
SURFACE LOCATION  
Y= 680306.3 N  
X= 673197.9 E  
LAT.=32.869446° N  
LONG.=103.903860° W  
LAT.=32°52'10" N  
LONG.=103°54'14" W

NOTE: AS-DRILLED B.H.  
AND WELL PATH PLOTTED FROM  
PHOENIX TECHNOLOGY SERVICES  
SURVEY REPORT, MAY 6, 2015

31.47 AC.

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Reesa Fisher* 9/10/15  
Signature Date

REESA FISHER  
Printed Name

Reesa.Fisher@apachecorp.com  
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 18, 2012

Date of Survey  
Signature & Seal of Professional Surveyor:

RONALD J. EIDSON  
NEW MEXICO  
REGISTERED SURVEYOR  
3239  
*Ronald J. Eidson* 02/12/2015

Certificate Number  
Gary G. Eidson 12641  
Ronald J. Eidson 3239

LSL REL. W.O.: 12.11.0741 JWSC W.O.: 15.13.0575

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029435B
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: REESA FISHER E-Mail: Reesa.Fisher@apachecorp.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1062	8. Well Name and No. NFE FEDERAL 52H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T17S R31E NENE 485FNL 1025FEL		9. API Well No. 30-015-42907
		10. Field and Pool, or Exploratory CEDAR LAKE;GLORIETA-YESO
		11. County or Parish, and State EDDY COUNTY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> Other Production Start-up
	<input type="checkbox"/> Change Plans	<input 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 Operation (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.)

Apache completed this well, as follows: (RR 5/7/2015)  
 7/07/2015 MIRUSU Log - TOC @ 120'.  
 7/08/2015 DO DV Tool @ 4436'.  
 7/09/2015 Mill on debris sub.  
 7/10/2015 Brk circ; mill debris sub; circ clean.  
 7/13/2015 Spot acid tanks & RU water transfer.  
 7/14/2015 RU frac equip.  
 7/15-17/2015 Frac 5222'-8335' (TD 8350')  
 Packers @ 5221', 5499', 5777', 6052', 6325', 6597', 6867', 7145', 7413', 7724', 8034', 8320' (11 Stages)  
 Total Acid Volume = 2025 bbls  
 Total Sand Volume = 2,119,688#

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

Electronic Submission #316561 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/15/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_

Title

Date

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 and Title 43 U.S.C. Section 1212, make 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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

## **Additional data for EC transaction #316561 that would not fit on the form**

### **32. Additional remarks, continued**

8/12-13/2015 Mill out frac sleeve. Cap well to move to 53H.

8/26/2015 RIH w/prod equip; assemble Summit ESP & set @ 4233'. Intake @ 4291', motor @ 4315', desander @ 4345', EOT @ 4677'.

9/05/2015 Run electrical, plumb into battery - POP.

**\*\*NOTE:** Gaps in dates are due to pad drilling processes and surrounding area water issues, which delay completion operations.



Well Name: NFE Federal #52H

API: 30-015-42907

SPUD DATE: 04/25/15

STATE FIELD NAME: Cedar Lake

COUNTY/STATE: EDDY/ TX

WINRI: 0

SURFACE LOCATION: 485' FNL & 1025' FEL, Section 6 TWN: 17S Rge: 31E

BH LOCATION: 483' FNL & 332' FWL, Section 6 TWN: 17S Rge: 31E

DRILL RIG: Capstar 114

RIG RELEASE: 05/07/15

KB: 11.00

GL: 3,767

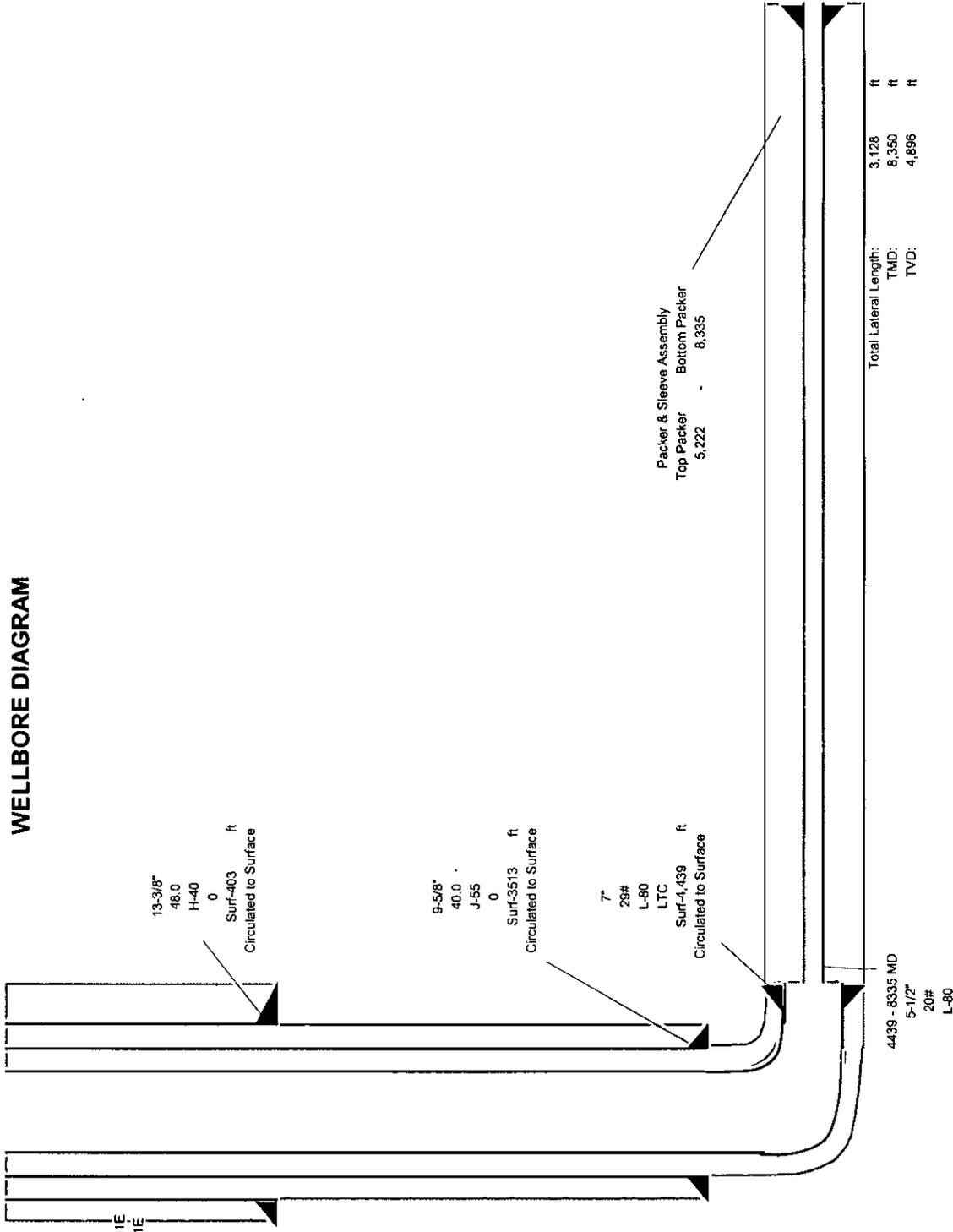
KOP: 4,388 ft

30 Degree Inclination: 4,615 ft

60 Degree Inclination: 4,914 ft

90 Degree Inclination: 5,211 ft

# WELBORE DIAGRAM



X-OVER SUB @ 4,439-4,441'