

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

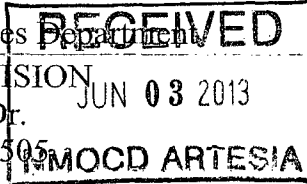
DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

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 <b>30-015-40551</b>	Pool Code <b>96831</b>	Pool Name <b>Cedar Lake, Glorieta-yeso</b>
Property Code <b>308724</b>	Property Name <b>NFE FEDERAL</b>	Well Number <b>016</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3875'</b>

Surface Location									
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	17-S	31-E		330	SOUTH	330	EAST	EDDY

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
Dedicated Acres <b>40.0</b>	Joint or Infill	Consolidation Code	Order No.						

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

4	3	2	1
39.96 AC.	39.95 AC.	39.95 AC.	39.94 AC.
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=675820.4 N X=638018.8 E</p> <p>LAT.=32.857107° N LONG.=103.883874° W</p> <p>LAT.=32° 51' 26" N LONG.=103° 53' 02" W</p>			
<p>DETAIL</p> <p>3867.1' 3874.8'</p> <p>600' 600'</p> <p>3861.0' 3870.7'</p>			
<p>SEE DETAIL</p> <p>330'</p> <p>330'</p>			

**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.

Signature: *[Signature]* Date: **05/29/13**

Printed Name: **Fatima Vasquez**

E-mail Address: **Fatima.Vasquez@apachecorp.com**

**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.

MARCH 30, 2012

Date of Survey

Signature & Seal of Professional Surveyor:

*[Signature]* **RONALD J. EIDSON**

Certificate Number: **3239** Gary O. Eidson 12641  
Ronald J. Eidson 3239

AF JWSC W.O.: 12.11.0553

# APACHE CORPORATION

5/21/2013

API 30-015-40551

NFE Federal #16

## RE-COMPLETION PROCEDURE

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### Relative Data:

**Casing:** 5-1/2", 17 lb/ft, J-55

ID = 4.892"

Drift = 4.767"

Capacity = 0.02324 BBL/ft

Burst = 5320 psi; 80% = 4256 psi

**Tubing:** 2-7/8", 6.5 lb/ft, J-55, 8rd, EUE

Capacity = 0.005794 bbl/ft

Burst = 7260 psi; 80% = 5808 psi

Collapse 7680 psi; 80% = 6144 psi

Yield 99,660 lbs; 80% = 79,728 lbs

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5-1/2" x 2-7/8" Annular capacity 0.0152 BBL/ft KB = ft (AGL) PBTD = x,xxx' KB TD = 6,408' KB

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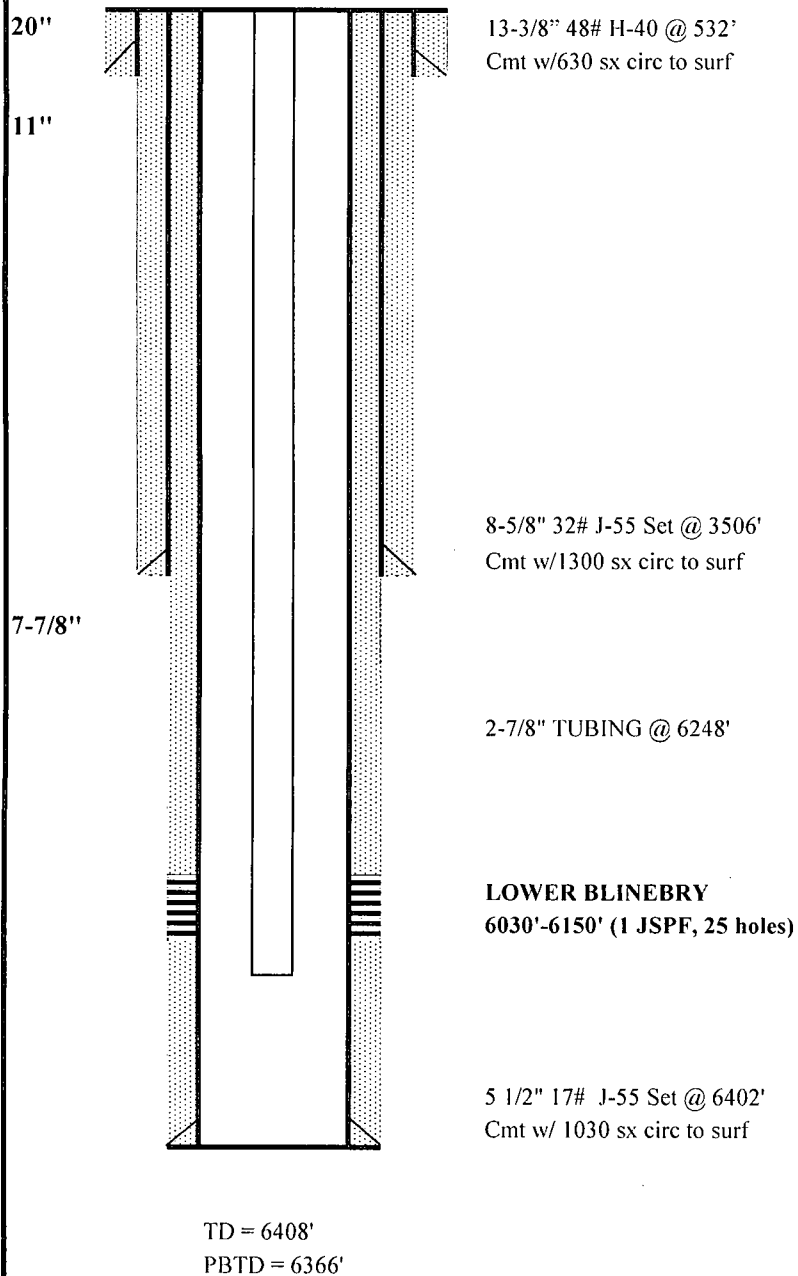
1. MIRU. POH w/Production Equipment. RIH set & test CBP @ +/-5900'. Load csg & test CBP & csg to 1000 psi. Rlse pressure
2. Spot 600 gallons 15% HCL across perf area. TOH.
3. Perforate the Blinebry zone @ 5432, 46, 60, 78, 90, 5506, 20, 34, 46, 65, 82, 98, 5610, 22, 40, 53, 74, 87, 5702, 20, 48, 74 & 5802'. (1 JSPF) (23 holes) using a charge that generates a .37" - .42" diameter hole with a minimum 21" penetration.
4. RU wellhead tree saver & multi-stg frac tool for fracture stimulating.
5. Acidize/Frac the Blinebry dn csg according to vendor recommended procedure.
6. MIRU wireline. RIH W/WL set CBP for 5-1/2" 17#/ft csg on bottom of first perforating gun & set @ +/-5400'. Load csg & test CBP & csg to 1000 psi. Rlse pressure.
7. Perforate the Glorieta/Paddock @ 4849, 68, 88, 4908, 29, 45, 66, 80, 5001, 39, 58, 78, 95, 5120, 28, 46, 60, 70, 91, 5215, 41, 65, 79, 99, 5318, 30 & 51'. (1 JSPF) (28 holes) using a charge that generates a .37" - .42" diameter hole with a min. 21" penetration.
8. Acidize & frac the Paddock perms dn csg according to vendor recommended procedure.
9. Flow back well until dead. RU reverse unit & swivel.
10. TIH W/4-3/4" bit, bit sub, XO, 6 - 3" DCs, XO, & 2-7/8" tbg to top of fill. DO CBPs @ +/-5400', 5900' and CO well to PBTD (COMMINGLING ALL ZONES). Reverse circ clean. TOH & LD DCs & bit.
11. Hydrotest in hole with W/tbg for production as specified by the Artesia office. TIH W/pump & rods as specified by the Artesia office.
12. MIRU pumping unit. Connect electrical service. Construct & tie in flowline. Place well into production.

**Apache Corp.**  
**Current Wellbore**

<b>GROUP:</b>	Permian North	<b>DATE:</b>	May. 23, 2013
<b>FIELD:</b>	Cedar Lake (BP)	<b>BY:</b>	SNH
<b>LEASE/UNIT:</b>	NFE Federal	<b>WELL:</b>	#16
<b>COUNTY:</b>	Eddy	<b>STATE:</b>	New Mexico
<b>API NUMBER:</b>	30-015-40551		

Spud Date: 11/1/2012  
Rig Release Date: 11/10/2012

KB = 13'  
GL = 3875'



**Apache Corp.**  
**Proposed Wellbore**

<b>GROUP:</b>	Permian North	<b>DATE:</b>	May. 23, 2013
<b>FIELD:</b>	Cedar Lake (BP)	<b>BY:</b>	SNH
<b>LEASE/UNIT:</b>	NFE Federal	<b>WELL:</b>	#16
<b>COUNTY:</b>	Eddy	<b>STATE:</b>	New Mexico
<b>API NUMBER:</b>	30-015-40551		

Spud Date: 11/1/2012  
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