

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD: Artesia

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.**

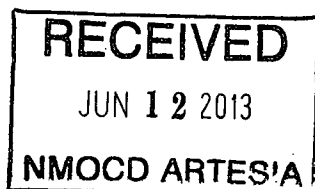
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. NFE FEDERAL (308724) 015
2. Name of Operator APACHE CORPORATION Contact: FATIMA VASQUEZ E-Mail: Fatima.Vasquez@apachecorp.com		9. API Well No. 30-015-40550
3a. Address 303 VETERANS AIRPARK LANE STE 3000 MIDLAND, TX 79703	3b. Phone No. (include area code) Ph: 432-818-1015	10. Field and Pool, or Exploratory CEDAR LAKE; GL-Y (96831)
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T17S R31E 770FNL 670FEL		11. County or Parish, and State EDDY 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 would like to recomplete in the Paddock/Blinbry zone per the attached procedure and commingle all zones.



SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Accepted for record

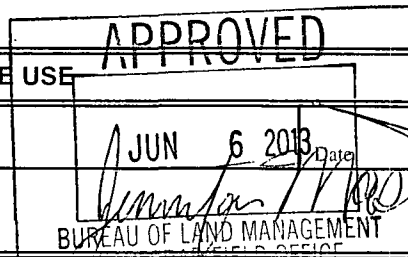
NMOCD

*Wade 6/20/2013*

14. I hereby certify that the foregoing is true and correct. Electronic Submission #208660 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 05/31/2013 ()	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY TECH
Signature (Electronic Submission)	Date 05/28/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	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 _____	



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 \*\***

# APACHE CORPORATION

5/21/2013

API 30-015-40550

NFE Federal #15

## 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 = 13 ft (AGL) PBTD = x,xxx' KB TD = 6,405' KB

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1. MIRU. POH w/Production Equipment. RIH set & test CBP @ +/-5570'. Load csg & test CBP & csg to 1000 psi. Rlse pressure
2. Spot 600 gallons 15% HCL across perf area. TOH.
3. Perforate the Paddock/Blinebry zone @ 4830, 42, 56, 64, 97, 4931, 42, 58, 73, 88, 5004, 22, 41, 62, 79, 91, 5118, 40, 54, 72, 89, 5204, 38, 50, 66, 80, 92, 5310, 25, 40, 61, 80, 5403, 34, 52, 67, 84 & 5510'. (1 JSPF) (38 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 Paddock/Blinebry dn csg according to vendor recommended procedure.
6. Flow back well until dead. RU reverse unit & swivel.
7. TIH W/4-3/4" bit, bit sub, XO, 6 - 3" DCs, XO, & 2-7/8" tbg to top of fill. DO CBPs @ +/-5570' and CO well to PBTD (COMMINGLING ALL ZONES). Reverse circ clean. TOH & LD DCs & bit.
8. Hydrotest in hole with W/tbg for production as specified by the Artesia office. TIH W/pump & rods as specified by the Artesia office.
9. MIRU pumping unit. Connect electrical service. Construct & tie in flowline. Place well into production.

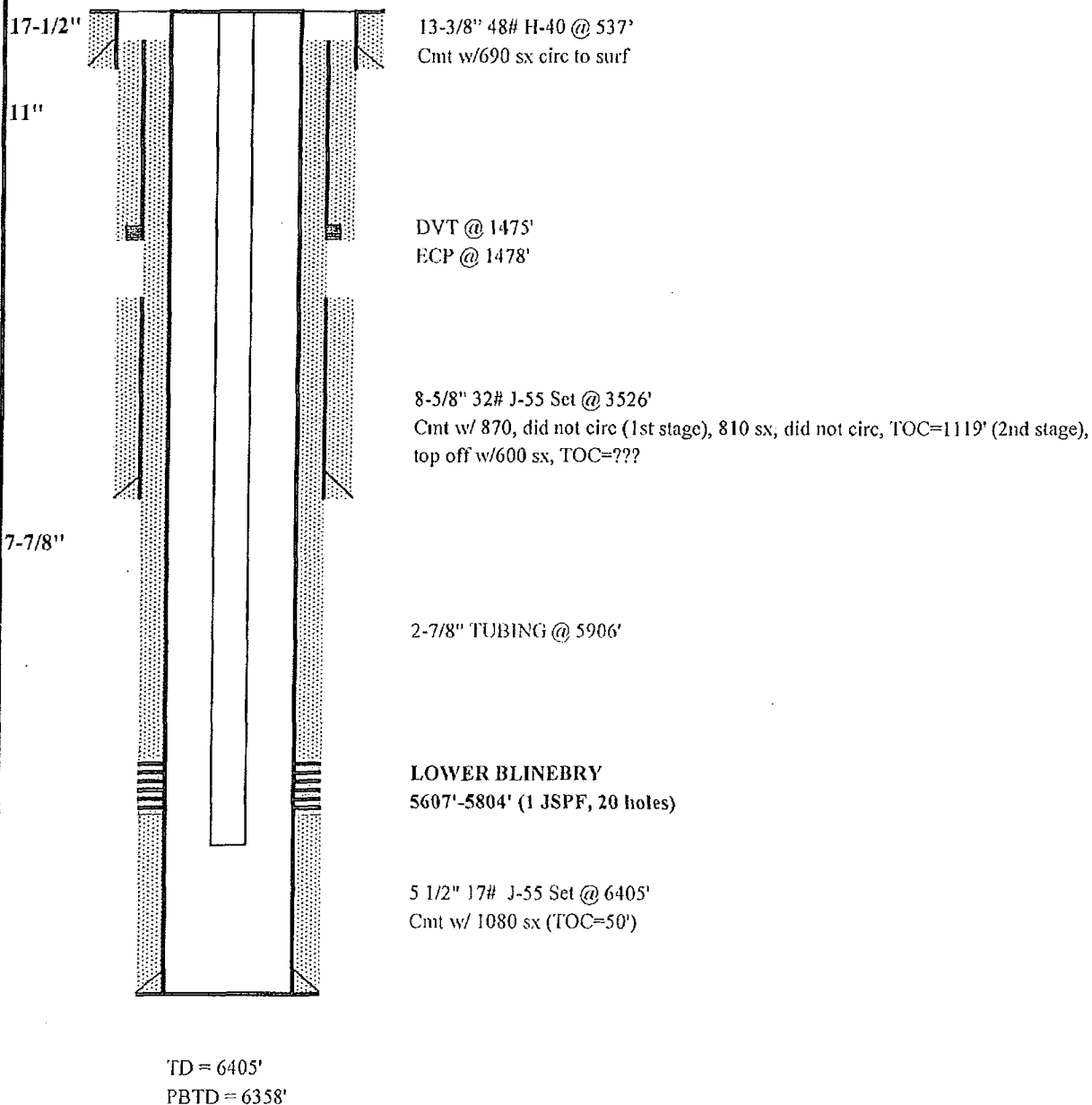
**Apache Corp.**  
**Current Wellbore**

**GROUP:** Permian North  
**FIELD:** Cedar Lake (BP)  
**LEASE/UNIT:** NFE Federal  
**COUNTY:** Eddy  
**API NUMBER:** 30-015-40550

**DATE:** May. 23, 2013  
**BY:** SNH  
**WELL:** #15  
**STATE:** New Mexico

**Spud Date:** 11/25/2012  
**Rig Release Date:** 12/6/2012

**KB = 13'**  
**GL = 3918'**



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

**GROUP:** Permian North  
**FIELD:** Cedar Lake (BP)  
**LEASE/UNIT:** NFE Federal  
**COUNTY:** Eddy  
**API NUMBER:** 30-015-40550

**DATE:** May. 23, 2013  
**BY:** SNH  
**WELL:** #15  
**STATE:** New Mexico

**Spud Date:** 11/25/2012  
**Rig Release Date:** 12/6/2012

**KB =** 13'  
**GL =** 3918'

17-1/2" 13-3/8" 48# H-40 @ 537'  
Cmt w/690 sx circ to surf

11"

DVT @ 1475'  
ECP @ 1478'

8-5/8" 32# J-55 Set @ 3526'  
Cmt w/ 870; did not circ (1st stage), 810 sx, did not circ, TOC=1119' (2nd stage),  
top of w/600 sx, TOC=???

7-7/8"

2-7/8" TUBING @ 5906'

**U Blinebry/Paddock**  
**4830'-5510' (1 JSPF, 38 holes)**

**LOWER BLINEBRY**  
**5607'-5804' (1 JSPF, 20 holes)**

5 1/2" 17# J-55 Set @ 6405'  
Cmt w/ 1080 sx (TOC=50')

TD = 6405'  
PBTD = 6358'