

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.*5. Lease Serial No.
NMLC029426A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 28. Well Name and No.
CEDAR LAKE FEDERAL CA 410H9. API Well No.
30-015-43521-00-X110. Field and Pool or Exploratory Area
CEDAR LAKE11. County or Parish, State
EDDY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
APACHE CORPORATIONContact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-18014. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 4 T17S R31E NENE 1083FNL 959FEL**12. CHECK THE 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"/> Hydraulic Fracturing	<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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<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 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 must 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 must be filed testing has been completed. Final Abandonment Notices must 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 the work as follows: RR 06/06/17 TOC@10'

08/28/17 MIRU DOUBLE R KILL TRUCK TEST CSG TO 5000 PSI, HELD FOR 30 MIN. TEST GOOD RDMO KILL TRUCK
08/29/17 MIRU RENEGADE WL PU RIH W/CBL-CNL LOG FROM 5136' TO SURF. EST CEMENT TOP @ 10'. RDMO
08/30/17 MIRUSU & REVERSE UNIT NU BOP
10/24/17 ALL PARTIES, SAFETY MEETING
10/26-10/27/17 START FRAC (20 STAGES) (6075-11,376') ELITE

TOTAL ACID 2,363 BBL
TOTAL SAND 3,789,700 #

11/11/17 MIRU DRIL OUT SEATS

RECEIVED

APR 19 2018

3C 4-23-18
Accepted for record - NMOC

DISTRICT II-ARTESIA O.C.D.

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

Electronic Submission #400012 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 01/08/2018 (18PP0697SE)

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/08/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	ACCEPTED FOR RECORD Date APR 13 2018 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
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.		
(Instructions on page 2) ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **		

Additional data for EC transaction #400012 that would not fit on the form

32. Additional remarks, continued

11/12/1 CIRC WELL CLEAN, COMPLETE RD AND MOVE OFF

12/06/17 MIRU RACK & TALLY TBG RIH W/TBG POH W/TBGS SDFN

12/07/17 HAD TO CANCEL ESP DUE TO WEATHER

12/09/17 RAN ESP

12/14/17 BUILD WELL HEAD, INSTALL ELECTRICAL & AUTOMATION, START UP WELL - POP

Well Info

Legal Well Name: CEDAR LAKE FEDERAL CA 409H

AP#Surface Loc: 3001543520

Spud Date: 1/8/2018

Original Drilling Rig Release: 1/21/2018

Country: United States Target Formation: Upper Binebry

State/Province: New Mexico Field Name: Cedar Lake Glimco-

Yaso

Surface Legal Location: SEC 4 T17S R31E

North/South Distance (ft): 1,108 North/South Reference: N

East/West Distance (ft): 963 East/West Reference: E

Bottom Hole Location:

Bottom Hole Legal Location: SEC 4 T17S R31E

CEDAR LAKE FEDERAL CA 409H - Original Hole

North-South Distance (ft): 425 From N or S Line: N

CEDAR LAKE FEDERAL CA 409H - Original Hole

East-West Distance (ft): 358 From E or W Line: E

Original KB Elevation (ft): 3,967.0

Ground Elevation (ft): 3,956.0

KB-Ground Distance (ft): 11.0

Total Depth (AM) (ftKB): Original Hole - 9,515.0

Total Depth AS (TVB) (ftKB): Original Hole - 5,551.6

Cement Info

Surface, 849.00ftKB, 13 3/8

Stage Number	Top Depth (ftKB)	Bottom Depth (ftKB)
1	11.00	660.00

Top Measurement Method

Returns at Surface

Obj	Yield (ft ³ /sack)	Amount (sacks)	Vol Pumped (bbl)
Lead	1.33	600	143.0

Inter 1, 3,600.00ftKB, 9 5/8

Stage Number	Top Depth (ftKB)	Bottom Depth (ftKB)
1	11.00	3,500.00

Top Measurement Method

Returns at Surface

Obj	Yield (ft ³ /sack)	Amount (sacks)	Vol Pumped (bbl)
Lead	1.66	1,100	324.0

Prod 1, 8,488.00ftKB, 7

Stage Number	Top Depth (ftKB)	Bottom Depth (ftKB)
1	11.00	3,024.00

Top Measurement Method

Returns at Surface

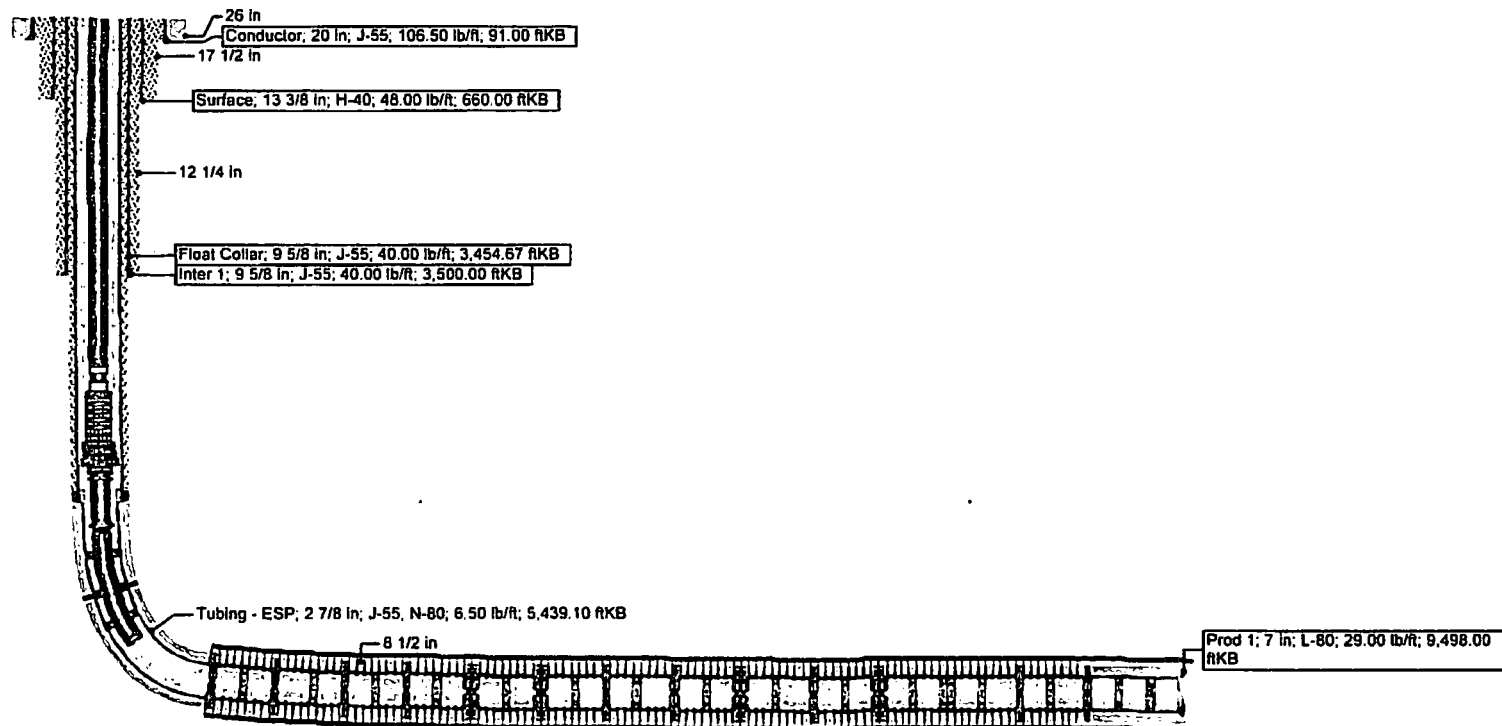
Obj	Yield (ft ³ /sack)	Amount (sacks)	Vol Pumped (bbl)
Lead	1.99	450	133.0

Prod 1, 7 in; L-80; 29.00 lb/ft; 9,498.00 ftKB

Obj	Yield (ft ³ /sack)	Amount (sacks)	Vol Pumped (bbl)
Lead	1.44	210	74.0

Production - CEDAR LAKE FEDERAL CA 409H - Original Hole, 1/8/2018 9:46:54 AM

Directional schematic (actual)

**Stimulation Jobs**

Volume Clean Total (bbl): 27,200.0

Total Clean - Recovered Volume (bbl): 59,538.00

Prepump Total (ft): 2,645,500.0

Treat Rate Max (bbl/min):

Treat Pressure Max (psf):

Number of Treatment Intervals: 14

Min Top Depth (ftKB): 3,954.3

Max Botm Depth (ftKB): 9,508.0

Perforations or Screens

Top Depth (ftKB): 5,954

Top Depth (ftKB): 5,954

Bottom Depth (ftKB): 9,245

Kick Offs & Key Depths

Type: Kick Off

Top Depth (ftKB): 5,024.0

Total Depth (ftKB): 9,515.0

POTD (AM) (ftKB): Original Hole - 6,734