

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW 12/17/15
⁴ API Number 30-015-40913	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [96831]
⁷ Property Code [39330]	⁸ Property Name RAVEN FEDERAL	⁹ Well Number 16H

II. ¹⁰Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	7	17S	31E		727	NORTH	1000	EAST	EDDY

¹¹Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	17S	31E		722	NORTH	332	EAST W	EDDY

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	12/17/15			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTB	²⁵ Perforations	²⁶ DHC, MC
04/11/15	12/17/15	8322 4837	8322	5245-8291	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375 H40 48#	420'	670 sx Class C		
12.25	9.625 HCK55 40#	3500'	1450 sx Class C		
8.5	7" L80 29# /5" L80 20#	4412'/8300'	500 sx Class C		
Tubing	2.875 J55	4667'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
12/17/15	12/17/15	12/24/15	24 hrs		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	892	1972	489	P	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Emily Follis*
Printed name: Emily Follis
Title: Reg Analyst
E-mail Address: emily.follis@apachecorp.com
Date: 1/4/2016
Phone: 432-818-1801

OIL CONSERVATION DIVISION
Approved by: *[Signature]*
Title: *Dr. J. Sepura*
Approval Date: 1-11-16
Pending BLM approvals will subsequently be reviewed and scanned *[Signature]*

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.

5. Lease Serial No.
NMLC029435A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
RAVEN FEDERAL 16H

9. API Well No.
30-015-40913

10. Field and Pool, or Exploratory
CEDAR LAKE;GLORIETA-YESO

11. County or Parish, and State
EDDY COUNTY COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
APACHE CORPORATION
Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com

3a. Address
303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-818-1801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 7 T17S R31E NENE 727FNL 1000FEL

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
	<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 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 the well as follows: RR 04/24/2015 TOC@150'

06/18/15 RU Renegade WL - Log run CBL-CNL-GR from DV Tool@ 4409' to surface, TOC@150' RD WL SI SDFN
 06/19/15 MIRU TALLY 6000' 2-7/8" J-55 TBG 5K SPOOL & BOP, SI, SDFWE
 06/22/15 DRILL OUT DV TOOL
 06/23/15 DRILL OUT SUB CIRC CLEAN, POOH LD TBG & MILL. SI WELL RDMO SU. SDFN
 09/15-09/17/15 PREPARE FOR FRAC-FRACK STACK, WATER TRANSFER, FLOWBACK EQUIPMENT, UNLOAD
 ACID, FLOWBACK EQUIPMENT - WAITING ON ELITE TO ARRIVE ON LOCATION. RU COMPLETE GOOD PRESURE TEST TO
 8400 PSI
 09/17-09/18/15 ELITE to START FRAC - Packer Plus assembly 5245-8291
 Packers @ 5245,5511,5778,6041,6312,6586,6859,7133,7448,7757,8063 (11 Stages)

NM OIL CONSERVATIO
ARTESIA DISTRICT

JAN 07 2016

RECEIVED

14. I hereby certify that the foregoing is true and correct.
 Electronic Submission #327641 verified by the BLM Well Information System
 For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) EMILY FOLLIS Title REGULATORY ANALYST

Signature (Electronic Submission) Date 01/04/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Pending BLM approvals will
subsequently be reviewed
and scanned

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Department or agency of the United States

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

Additional data for EC transaction #327641 that would not fit on the form

32. Additional remarks, continued

Total Acid 1932 BBL
Total Sand 2,075,680 #
RDMO All unnecessary equipment

10/12-10/13/15 RIH Mill OUT SLEEVES
10/13/15 CIRCULATE HOLE TO CLEAN POOH RDMO
12/09/15 MIRU,RACK & TALLY TBG, SIS,SIFN
12/10/15 RIH W/SUMMIT ESP,ND BOP/HYDRIL, FLANGE UP WELL HD, RDMO
12/12/15 SET SURFACE,,RUN ELECTRICAL,PLUMB INTO BATTERY, FINAL REPORT
12/17/15 First Flow - Final

***NOTE: GAPS IN DATES ARE DUE TO PAD DRILLING PROCESSES AND SURROUNDING AREA WATER ISSUES, WHICH DELAY COMPLETION OPERATIONS.**