

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 /07/18/16
⁴ API Number 30-015-43362	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [96831]
⁷ Property Code [315935]	⁸ Property Name CEDAR LAKE FEDERAL CA	⁹ Well Number #723H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	7	17S	31E	3	2180	SOUTH	505	WEST	EDDY

¹¹ Bottom 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		2147.5	SOUTH	331	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 07/18/2016	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

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 11/15/2015	²² Ready Date 07/18/2016	²³ TD 8765' / 4916'	²⁴ PBTB 8765	²⁵ Perforations 5162-8745'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375 H40 48#	420'	725 sx Class C		
12.25	9.625 J55 40#	3500'	1450 sx Class C		
8.5	7 L80 29# / 5.5 L80 20#	4315' - 8754'	580 sx Class C		
TUBING	2-7/8" J55 6.50	4570'			

V. Well Test Data

³¹ Date New Oil 07/18/2016	³² Gas Delivery Date 07/18/2016	³³ Test Date 07/23/16	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 245	³⁹ Water 2121	⁴⁰ Gas 273		⁴¹ Test Method 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:
Regulatory Analyst I

E-mail Address:
emily.follis@apachecorp.com

Date:
07/25/2016

Phone:
432-818-1801

OIL CONSERVATION DIVISION

Approved by: *Karen Sharp*
Title: *Bus Op Spec-Adv*
Approval Date: *8-4-16*

Pending BLM approvals will subsequently be reviewed and scanned

well's vertical depth on Frac Disclosure does not match directional survey

received 7-29-16 w/completion packet

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 29 2016FORM 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. NMLC029435A
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No. NMNM134086
3b. Phone No. (include area code) Ph: 432-818-1801		8. Well Name and No. CEDAR LAKE FEDERAL CA 723H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R31E NWSW 2180FSL 505FWL		9. API Well No. 30-015-43362
		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
	<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 shall 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 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 DATE 11/28/15 TOC@167'

12/17/15 SET ANCHORS, FINAL CUT LOG GR-CNL-CBL MIRU @ LATER DATE
12/28/15 WAITING ON WEATHER
12/29/15 WAITING ON WEATHER TO PASS
12/30/15 FOUND WELL @ 0# LOAD 7" TEST CASING TO 5000# GOOD TEST, MIRU PU & RU, NU BOP/5K SPOOL, RACK & TALLY 6100' J55 TBG PU & RIH W/6" BIT, BS(4) 3-1/2" DC, XO ON TBG, TAG DV TOOL @ 4312'
12/31/15 FOUND WELL @ 0# PU SWVL, NU STRIPPER HD, BRK CIRC, DO DV TOOL, CIRC CLEAN, LD SWVL, ND STRIPPER HD, POH W/BIT, RIH W/4.60" MILL BS(4) 3-1/2" DCS ON BG TAG DEBRIS SUB @ 4583' SI, SDFD
01/01/16 SHUT DOWN FOR HOLIDAY
01/04/16 FOUND WELL @ 0# PU SWVL, NU SWVL, NU STRIPPER HD, BRK CIRC, MILL OUT DEBRIS SUB CIRC CLEAN, POH LD TBG, RD, WOR ND 5K BOP CAP WELL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #345609 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 07/25/2016

THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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 _____

Pending BLM approvals will
subsequently be reviewed
and scanned

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 #345609 that would not fit on the form

32. Additional remarks, continued

05/04/16 PREP FOR FRAC

05/05-05/13/16 C & J FRAC - PADDOCK (14 STAGE FRAC) 5162-8745'

05/13/16 DRILL OUT, POOH LAYING DOWN 2-7/8" WORKSTRING & MILL, RD WOR

07/13/16 SFTY MEETING,MIRU,NU WH & BOP, RACK & TALLY TBG, ASSEMBLE GE ESP,PU & RIH ON TBG, ND BOP, RDMO

TOTAL ACID 2501 BBL

TOTAL SAND 2,633,775 #

07/18/16 First Flow

07/20/16 SET SURFACE,RUN ELECTRIC,PLUMB INTO BATTERY, FINAL REPORT

ORIGINAL WELL NAME - RAVEN FEDERAL #23H

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT

JUL 29 2016

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT

RECEIVED

5. Lease Serial No.
NMLC029435A1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM1340862. Name of Operator
APACHE CORPORATIONContact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 723H3. Address 303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 797053a. Phone No. (include area code)
Ph: 432-818-18019. API Well No.
30-015-43362

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSW Lot 3 2180FSL 505FWL

At top prod interval reported below NWSW Lot 3 2147FSL 331FEL

At total depth NWSW Lot 3 Tract 17S 2147FSL 331FEL

10. Field and Pool, or Exploratory
CEDAR LAKE, GLORIETA-YESO11. Sec., T., R., M., or Block and Survey
or Area Sec 7 T17S R31E Mer12. County or Parish
EDDY COUNTY13. State
NM14. Date Spudded
11/15/201515. Date T.D. Reached
11/25/201516. Date Completed
☐ D & A ☒ Ready to Prod.17. Elevations (DF, KB, RT, GL)*
3722 GL18. Total Depth: MD 8765
TVD 491619. Plug Back T.D.: MD 8765
TVD20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL-CBL-GR22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	420	3500		725			
12.250	9.625 J55	40.0	3500	4315		1450			
8.500	7.000 L80	29.0	4315	4644		580			
8.500	5.500 L80	20.0	4644	8754					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4570							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4632	8765	5162 TO 8745			OPEN HOLE PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5162 TO 8745	TOTAL SAND 2,633,775#, TOTAL ACID 2501 BBL

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/18/2016	07/23/2016	24	→	245.0	273.0	2121.0	37.0		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→				111	POW	It will

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
			▶					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S
			▶					

Pending BLM approval. This document will subsequently be reviewed and scanned

Pending BLM approvals will
subsequently be reviewed
and scanned

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #345610 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	290	465	ANHYDRITE, DOLOMITE W	RUSTLER	290
SALADO	465	1310	ANHYDRITE, DOLOMITE W	SALADO	465
TANSIL	1310	1467	ANHY, SALT, DOLO, SS O/G/W	TANSIL	1310
YATES	1467	1744	SANDSTONE O/G/W	YATES	1467
SEVEN RIVERS	1744	2348	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	1744
QUEEN	2348	2749	SS, DOLO, LIMESTONE O/G/W	QUEEN	2749
GRAYBURG	2749	3071	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2749
SAN ANDRES	3071	4563	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3071

32. Additional remarks (include plugging procedure):

GLORIETA SANDSTONE O/G/W 4563 - 4632
PADDOCK DOLOMITE O/G/W 4632 - TD (8765')

Original name - Raven Federal#23H

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #345610 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 07/25/2016

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****