

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 /07/26/2016
⁴ API Number 30-015-43363	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [96831]
⁷ Property Code 315935	⁸ Property Name CEDAR LAKE FEDERAL COM CA	⁹ Well Number 724H

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	2308	SOUTH	330	EAST	EDDY

III. 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
	7	17S	31E	1	2310.7	SOUTH	331	EAST	EDDY
¹² Use Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 07/26/2016	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
NM OIL CONSERVATION		
AUG 05 2016		
RECEIVED		
original well name - Raven Federal Com 24H		

IV. Well Completion Data

²¹ Spud Date 11/29/15	²² Ready Date 07/26/2016	²³ TD 9264' / 5357	²⁴ PBD 9264'	²⁵ Perforations 5613-9244'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375 H40 #48	432	455 sx Class C		
12.25	9.625 j55 40#	3510	1450 sx Class C		
8.5	7" L80 29# / 5.5 L80 20#	4822 / 9253	580 sx Class C		
Tubing	2.875	5091'			

V. Well Test Data

³¹ Date New Oil 07/26/2016	³² Gas Delivery Date 07/26/2016	³³ Test Date 07/30/2016	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 517	³⁹ Water 1011	⁴⁰ Gas 856		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:
Reg Analyst

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

Date:
08/02/2016

Phone:
432-818-1801

OIL CONSERVATION DIVISION

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

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
NMNM1340868. Well Name and No.
CEDAR LAKE FEDERAL CA 724H9. API Well No.
30-015-4336310. Field and Pool, or Exploratory
CEDAR LAKE, GLORIETA-YESO11. County or Parish, and State
EDDY COUNTY 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 1000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-18014. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 7 T17S R31E NWSW 2245FSL 505FWL**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 recomple 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 12/12/15 TOC@ 167

12/17/16 SET ANCHORS - FINAL CUT, GR-CNL-CBL LOGS RD WL SI SDFN
01/05/16MIRU PU & RU, RACK & TALLY 6500' 2-7/8" L80 TBG, NU BOP 7 5K SPOOL, TEST CSG @5K#, PU & RIH
W/6" BIT, BS(4) 3-1/2"DC'S ON TBG, TAG DV TOOL@4817' DO DV TOOL CIRC CAP POOH W/BIT & TBG SDFN
01/06/16 FOUND WELL@ 0# PU SWWL, NU STRIPPER HD, BRK CIRC, MO DEBRIS CAP, LD SWWL RIH TO 5663' CIRC
CAP, ND STRIPPER HD, POOH ABOVE X-OVER LEAVE BIT SWINGING SI SDFN
01/07/16 POOH WITH MILL & TBG RDMO WOR ND 5K BOP CAP WELL CLEAN LOCATION, FRAC @ LATER DATE
05/07/16 REMOVE PRESURE MONITOR FROM DFIT PREPARE FOR FRAC
05/07 -8 /16 C & J FRAC - (1-14 STAGE FRAC) (UPPER BLINEBRY)5613-9244'
05/09/16 STAGE 14 RDMO

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 05 2016

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

**Electronic Submission #346543 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad****RECEIVED**

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/02/2016

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

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

Agency of the United

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

Additional data for EC transaction #346543 that would not fit on the form

32. Additional remarks, continued

TOTAL ACID 2254 BBL
TOTAL SAND 2,640,880 #

05/15/16 DRILL OUT

05/17/16 FINISH POOH,RIG DOWN,ND BOP,RIG DOWN,TURN OVER TO PRODUCTION

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

07/26/16 SET SURFACE, RUN ELECTRICAL, PLUMB INTO BATTERY, FINAL REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMNM134086		
2. Name of Operator APACHE CORPORATION			8. Lease Name and Well No. CEDAR LAKE FEDERAL CA 724H		
Contact: EMILY FOLLIS E-Mail: Emily.Follis@apachecorp.com			9. API Well No. 30-015-43363		
3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432-818-1801		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSW 2245FSL 505FWL At top prod interval reported below NWSW 2310FSL 331FEL At total depth NWSW Lot 3 2310FSL 331FEL			10. Field and Pool, or Exploratory CEDAR LAKE:GLORIETA YESO		
14. Date Spudded 11/29/2015			15. Date T.D. Reached 12/11/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/26/2016			17. Elevations (DF, KB, RT, GL)* 3724 GL		
18. Total Depth: MD 9264 TVD 5357		19. Plug Back T.D.: MD 9264 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL-CBL-GR			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	432	3510		455			
12.250	9.625 J55	40.0	3510	4817		1450			
8.500	7.000 L80	29.0	4817	4819		580			

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	5091							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5210	9264	5613 TO 9244			OPEN HOLE PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5613 TO 9244	TOTAL ACID 2254 BBL, TOTAL SAND 2,640,880#

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 05 2016

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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
07/26/2016	07/30/2016	24	→	517.0	856.0	1011.0	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	
							1655	POW	

28a. Production - Interval B

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

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #346513 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	467	ANHYDRITE, DOLOMITE W	RUSTLER	290
SALADO	467	1309	ANHYDRITE, DOLOMITE W	SALADO	467
TANSIL	1309	1466	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1309
YATES	1466	1743	SANDSTONE O/G/W	YATES	1466
SEVEN RIVER	1743	2350	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	1743
QUEEN	2350	2750	SS, DOLO, LIMESTONE O/G/W	QUEEN	2350
GRAYBURG	2750	3070	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2750
SAN ANDRES	3070	4550	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3070

32. Additional remarks (include plugging procedure):

GLORIETA SANDSTONE O/G/W 4550-4606
 PADDOCK DOLOMITE O/G/W 4606-5210
 BLINEBRY DOLOMITE O/G/W 5210 - TD (9264')

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 #346513 Verified by the BLM Well Information System.
 For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 08/02/2016

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.

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