

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 / 2/10/2016
⁴ API Number 30-015-40902	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 738H

II. ¹⁰ Surface Location

UL or lot no. A	Section 7	Township 17S	Range 31E	Lot Idn	Feet from the 637	North/South Line North	Feet from the 1000	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. A	Section 8	Township 17S	Range 31E	Lot Idn	Feet from the 664	North/South line North	Feet from the 332	East/West line East	County Eddy
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2/10/2016	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
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O
NM OIL CONSERVATION ARTESIA DISTRICT MAR 10 2016 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 5/27/2015	²² Ready Date 2/10/2016	²³ TD 11,035'	²⁴ PBDT 11,035'	²⁵ Perforations 5625'-10,995'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	418'	527 sx Class C		
12-1/4"	9-5/8"	3500'	1300 sx Class C		
8-1/2"	7" / 5-1/2"	4773' / 11,004'	650 sx Class C		
Tubing	2-7/8"	5020'			

V. Well Test Data

³¹ Date New Oil 2/10/2016	³² Gas Delivery Date 2/10/2016	³³ Test Date 2/16/2016	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 845	³⁹ Water 1376	⁴⁰ Gas 373		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:

Reesa Fisher

Printed name:
Reesa Fisher

Title:
Sr Staff Reg Analyst

E-mail Address:
Reesa.Fisher@apachecorp.com

Date:
2/24/2016

Phone:
432-818-1062

Approved by:

DRD

Title:

DIST II Supervisor

Approval Date:

3-16-16

Pending BLM approvals will
subsequently be reviewed
and scanned *LRO*

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.
NMLC029435B

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.

8. Well Name and No.
CEDAR LAKE FEDERAL CA 738H

9. API Well No.
30-015-40902

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: REESA FISHER
E-Mail: Reesa.Fisher@apachecorp.com

3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-818-1062

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 7 T17S R31E NENE 637FNL 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 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 recomple 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 this well, as follows: (RR 6/15/2015)
(Formerly NFE Federal Com #38H)

06/19/2015 DV Tool @ 4773'. Log - TOC @ 170'. Will frac at a later date.
08/27/2015 MIRUSU & Rev Unit Tag up on DV Tool @ 4773'.
08/28/2015 DO DV Tool @ 4773'; circ clean.
08/31/2015 DO Debris Sub.
09/01/2015 Prep location for frac next month.
10/05/2015 RU Frac Stack & prep acid. RIH w/OH Packer Plus Seal Assembly.
10/06/2015 Elite pressure tested & set pop-offs.
10/7&8/2015 Frac 5625'-10,995' (TD @ 11,035')
Packers @ 5625', 5902', 6164', 6432', 6762', 6998', 7257', 7535', 7794', 8059', 8330', 8596',

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

Electronic Submission #332994 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 03/07/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE

Pending BLM approvals will
subsequently be reviewed
and scanned *LD*

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 w States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. , w make to any department or agency of the United

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

Additional data for EC transaction #332994 that would not fit on the form

32. Additional remarks, continued

8868', 9163', 9402', 9693', 9982', 10,252', 10,493', 10,788', 10,995' (20 Stages)

Total Acid = 3530 BBLS

Total Sand = 3,736,080#

10/18/2015 MIRU Begin milling sleeves.

10/19/2015 Finish milling out sleeves. WO prod equip.

10/27/2015 WO prod equip to be RIH.

12/15/2015 MIRU, RIH w/Summit ESP, RDMO

02/10/2016 RIH w/prod equip. Set Surface, run electrical, plumb into btry - Set pump @ 4582';

Intake @ 4641'; Motor @ 4665'; Desander @ 4691' - POP

****NOTE:** Gaps in dates are due to pad drilling processes and surrounding area water issues, which delay completion operations.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 10 2016
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029435B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 738H

9. API Well No.
30-015-40902

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 7 T17S R31E Mer

12. County or Parish
EDDY COUNTY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3747 GL

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

2. Name of Operator
APACHE CORPORATION

Contact: REESA FISHER
E-Mail: Reesa.Fisher@apachecorp.com

3. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1062

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 7 T17S R31E Mer NENE 637FNL 1000FEL
At top prod interval reported below Sec 7 T17S R31E Mer NENE 637FNL 1000FEL
At total depth Sec 8 T17S R31E Mer NENE 664FNL 332FEL

14. Date Spudded
05/27/2015

15. Date T.D. Reached
06/10/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/10/2016

18. Total Depth: MD 11035
TVD 5454

19. Plug Back T.D.: MD 11035
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNGRCCL/RBGRCL

22. 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	418		527		0	
12.250	9.625 J-55	40.0	0	3500		1300		0	
8.500	7.000 L-80	29.0	0	4773		650		170	
	55 L-80	80	4773	11,004					

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	5020							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5229	11035	5625 TO 10995			PRODUCING-OH
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5625 TO 10995	3530 BBL ACID & 3,736,080# SAND

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
02/10/2016	02/16/2016	24	→	845.0	373.0	1376.0	37.0		ELECTRIC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→				441		

pending BLM approvals will be reviewed

28a. Production - Interval B

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

subsequent and scanned 00

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #332349 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	321	485	ANHYDRITE, DOLOMITE W	RUSTLER	321
SALADO	485	1392	ANHYDRITE, DOLOMITE W	SALADO	485
TANSILL	1392	1554	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSILL	1392
YATES	1554	1826	SANDSTONE O/G/W	YATES	1554
SEVEN RIVERS	1826	2443	SANDSTONE, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	1826
QUEEN	2443	2857	SANDSTONE, DOLO, LIMESTONE O/G/W	QUEEN	2443
GRAYBURG	2857	3169	DOLO, LIMESTONE, SANDSTONE O/G/W	GRAYBURG	2857
SAN ANDRES	3169	4639	DOLO, LIMESTONE, SANDSTONE O/G/W	SAN ANDRES	3169

32. Additional remarks (include plugging procedure):

Glorieta 4369 4710 Sandstone O/G/W Glorieta 4639
Paddock 4710 5229 Dolomite O/G/W Paddock 4710
Blincy 5229 11,035 Dolomite O/G/W Blincy 5229

KOP @ 4790'

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 #332349 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/26/2016

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 **

Additional data for transaction #332349 that would not fit on the form

32. Additional remarks, continued

****NOTE:** Gaps in dates are due to pad drilling processes and surrounding area water issues, which delay completion operations.