

**N OIL CONSERVATION
ARTESIA DISTRICT**

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 87503

State of New Mexico
Energy, Minerals & Natural Resources

OCT 02 2018

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

RECEIVED

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 303 Veterans Alpark Lane Suite 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW 09/14/2018
⁴ API Number 30-015-44982	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 953H

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
D	9	17S	31E		1130	NORTH	508	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
2	7	17S	31E		1341	NORTH	380	WEST	EDDY

¹² Use Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 09/14/2018	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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 1380 Artesia NM 88210	O
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
36785	DCP Midstream, LP 370 17th St Suite 2500 Denver CO 80202	G

IV. Well Completion Data

²¹ Spud Date 08/22/18	²² Ready Date 09/14/2018	²³ TD 15305	²⁴ P8TD 14928	²⁵ Performations 4600-15305	²⁶ DIIC, MIC no perf. open hole
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement	
17.5	13.375 48# H-40	570		550 sx Class C - curc	
12.25	9.625 40# J55	3505		1400 sx Class C - curc	
8.5	7 29# L80/5.5 20# L80	4600-15305		710 sx Class C - curc	
Tubing	2.875	4843 4887'		SN dated 9-27-18 casing	

V. Well Test Data

³¹ Date New Oil 9/14/2018	³² Gas Delivery Date 9/14/2018	³³ Test Date 9/17/2018	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 904	³⁹ Water 2008	⁴⁰ Gas 295		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: *Alicia Fulton*

Printed name: Alicia Fulton

Title: Reg Analyst

E-mail Address: alicia.fulton@apachecorp.com

Date: 10/1/2018

Phone: 432-818-1088

OIL CONSERVATION DIVISION

Approved by: *Rustyn Klein*

Title: Business Ops Spec A

Approval Date: 10-15-2018

Pending BLM approvals will subsequently be reviewed and scanned

6-5-18

5 1/2" per assembly

7' casing

no cement on casing

12-01-18-2018

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 02 2018

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029426B

1a. 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.

2. Name of Operator APACHE CORPORATION Contact: ALICIA FULTON
E-Mail: Alicia.fulton@apachecorp.com

8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 953H

3. Address 303 VETERANS AIRPARK LANE
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1088

9. API Well No.
30-015-44982

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 9 T17S R31E Mer
At surface NWNW Lot D 1130FNL 508FWL
At top prod interval reported below Sec 9 T17S R31E Mer
Lot D 1140FNL 491FWL
At total depth Sec 7 T17S R31E Mer
Lot 2 1341FNL 380FWL

10. Field and Pool, or Exploratory
FREN-GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey
or Area Sec 9 T17S R31E Mer

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
06/05/2018

15. Date T.D. Reached
06/21/2018

16. Date Completed
 D & A Ready to Prod.
09/21/2018 9-14-18

17. Elevations (DF, KB, RT, GL)*
3875 GL

18. Total Depth: MD 15305
TVD 4928

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBC

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	570		550		0	0
12.250	9.625 J55	40.0	0	3505		1400		0	0
8.500	7.000 L80	29.0	0	4600		710		0	0
8.500	5.500 L80	20.0	4600	15287					

no cement - open hole packer assembly

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	4913	4887						

4887 - Sundry notes dated 9-27-18

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4675	15305	4675 TO 15305			PRODUCING
B)						
C)						
D)						

no perforations - open hole completion - packer assembly

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

Depth Interval	Amount and Type of Material
4675 TO 15305	TOTAL ACID 6294 BBL TOTAL SLICKWATER 147,394 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
09/14/2018	09/17/2018	24	→	904.0	295.0	2008.0			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	
			→					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 Gravity	
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We.	
			→						

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

ELECTRONIC SUBMISSION #437978 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPE

Pending BLM approvals will
subsequently be reviewed
and scanned

...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.)
CAPTURED

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	265	436	ANHYDRITE, DOLOMITE W	RUSTLER	265
SALADO	436	1345	ANHYDRITE, DOLOMITE W	SALADO	436
TANSILL	1345	1509	SANDSTONE OGW	TANSILL	1345
YATES	1509	1789	SANDSTONE, DOLO, LIMESTONE OGW	YATES	1509
SEVEN RIVERS	1789	2418	SANDSTONE, DOLO, LIMESTONE OGW	SEVEN RIVERS	1789
QUEEN	2418	2795	DOLOMITE, LIMESTONE, SS, OGW	QUEEN	2418
GRAYBURG	2795	3109	DOLOMITE, LIMESTONE, SS, OGW	GRAYBURG	2795
SAN ANDRES	3106	4621	DOLOMITE, LIMESTONE, SS, OGW	SAN ANDRES	3106

32. Additional remarks (include plugging procedure):
GLORIETA SANDSTONE O/G/W 4621-4678
PADDOCK DOLOMITE O/G/W 4678-5246
BLINEBRY DOLOMITE O/G/W 5246-15305

7" casing ran with crossover to 5 1/2 open hole packers plus assembly to 15,287
TD of well at 15,305

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 #437978 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) ALICIA FULTON Title SR REGULATORY ANALYST

Signature (Electronic Submission) Date 10/02/2018

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 ****

Additional data for transaction #437978 that would not fit on the form

32. Additional remarks, continued

OCT 02 2018

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED
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.
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

8. Well Name and No.
CEDAR LAKE FEDERAL CA 953H

9. API Well No.
30-015-44982

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
APACHE CORPORATION
Contact: ALICIA FULTON
E-Mail: Alicia.fulton@apachecorp.com

3a. Address
303 VETERANS AIRPARK LANE
MILAND, TX 79705
3b. Phone No. (include area code)
Ph: 432-818-1088

10. Field and Pool or Exploratory Area
FREN-GLORIETA-YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 9 T17S R31E NWNW 1130FNL 508FWL

11. County or Parish, State
EDDY COUNTY, NM

12. CHECK THE 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Production Start-up
	<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 recomplate 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 recompletion in a new interval, a Form 3160-4 must be filed once 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 well as follows

spud date 6/5/2018
rr date 6/23/2018

7/25/18 MIRU RENEGADE AND PERFORM CBL 4600 TO SURFACE
TEST CASING TO 4000# GOOD TEST
8/1-8/4 rig up, begin frac stages 1-35
7 inch casing to 4626 cross over to 5 1/2 packer assembly 4675-15,287

total acid 6294 bbl total slickwater 147,394 bbls

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #437468 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) ALICIA FULTON Title SR REGULATORY ANALYST

Signature (Electronic Submission) Date 09/27/2018

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

... department or agency of the United

Additional data for EC transaction #437468 that would not fit on the form

32. Additional remarks, continued

8/11-8/21 drill out balls and seats

8/31 run in hole bha and tubing 2 7/8 set @ 4887

9/14 installed flow lines, electrical and automation turn over to production

3160-4 to be completed and filed

