

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

NM OIL CONSERVATION
State of New Mexico
Energy, Minerals & Natural Resources

ARTESIA DISTRICT

Form C-104
Revised August 1, 2011

MAY 16 2016

Submit one copy to appropriate District Office

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

RECEIVED ☐ 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 04/15/16
⁴ API Number 30-015-42902	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [98831]
⁷ Property Code 315935	⁸ Property Name CEDER LAKE FEDERAL CA	⁹ Well Number #642H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
1	6	17S	31E		2085	SOUTH	200	EAST	EDDY COUNTY

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	6	17S	31E		2073.6	SOUTH	332.5	EAST	EDDY COUNTY

¹² Use Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 04/15/16	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

IV. Well Completion Data

²¹ Spud Date 07/15/2015	²² Ready Date 04/15/16	²³ TD 9510'	²⁴ PBD 9510'	²⁵ Perforations 5551-9477'	²⁶ DIHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375" H40 48#	415'	420 sx Class C		
12-14"	9.625" J55 40#	3507'	1500 sx Class C		
8.5"	7" L80 29# / 5.5 20# L80	4794' / 9510'	625 sx Class C		
Tubing	2-7/8" J55 6.50	5062'			

V. Well Test Data

³¹ Date New Oil 04/15/16	³² Gas Delivery Date 04/15/16	³³ Test Date 04/19/2016	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 495	³⁹ Water 986	⁴⁰ Gas 195		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 Folts*

Printed name:

Emily Folts

Title:

Reg Analyst

E-mail Address:

emily.folts@apachecorp.com

Date:

04/21/16

Phone:

432-818-1801

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

WELL NAME: NFE FEDERAL COM 42H
 API: 30-015-42902
 SPUD DATE: 7/15/2015
 PRODUCING FORMATION: YESO UPR BLINEBRY
 FIELD: CEDAR LAKE (BP)
 COUNTY: EDDY
 STATE: NEW MEXICO
 WORKING INTEREST: 100.00%

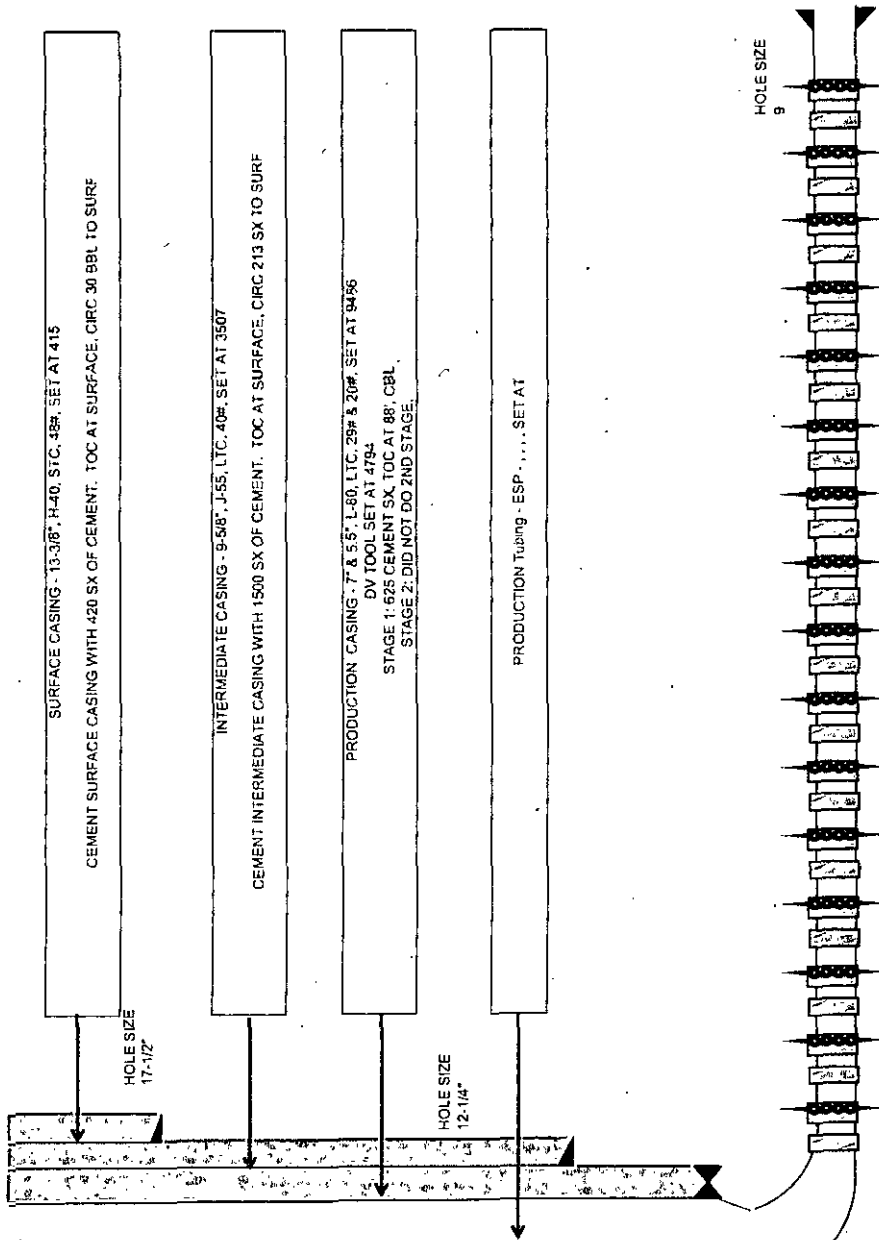
SURFACE LOC: 2065' FSL & 200' FEL
 SECTION: 6
 TOWNSHIP: 17-S
 RANGE: 31-E
 SURVEY: JOHN WEST SURVEYING CO
 BOTTOM HOLE LOC: 2074' FSL & 333' FWL
 SECTION: 6
 TOWNSHIP: 17-S
 RANGE: 31-E
 SURVEY: JOHN WEST SURVEYING CO

DRILL RIG: CAPSTAR 119
 RIG RELEASE: 7/30/2015

KB (ft): 3,769.00
 GL (ft): 3,758.00
 KB/GL OFF (ft): 11.00
 TMD (ft): 9,510.00
 TO OF PILOT HOLE (ft): N/A
 FC DEPTH (ft): 9,477.00
 RBMD DEPTH (ft): 9,510.00
 RDV DEPTH (ft): N/A
 ORIO VALVE (ft): N/A
 DEEPEST TVD (ft): 5,277.00

TAPERED CASING STRING:

7" 20# L-80 TO X-OVER @ 4,796'
 TAPERING TO 5.5" 20# L-80 SET @ 9,486'



KOP (ft):
 LATERAL LENGTH (ft):
 TO OF PILOT HOLE (ft):

PACKERS & SLEEVES
 TOP PERF (MD):
 BOTTOM PERF (MD):

TMD (ft): 9,510
 FC DEPTH (ft): 9,477
 RBMD (ft): 9,510
 RDV DEPTH (ft): N/A
 ORIO VALVE (ft): N/A

PACKERS & SLEEVES - 15 STAGES

TOTAL ACID (bbl)	TOTAL LTR (bbl)	TOTAL PROPPANT (lbs)	MAX WH RATE (bpm)	MAX WH PRESSURE (psi)
2,411	66,002	2,840,210	93.00	6,105

PRODUCTION METHOD	LIFT TYPE	SETTING DEPTH
Pumping	ESP	0

CROSSOVER SUB @ 4,796'

LAST UPDATED BY: HILLARI GOULD
 LAST UPDATED: 10/30/2015

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	10/14/2015
State	NM
County	Eddy
API Number	30-015-42902
Operator Name	Apache
Well Name and Number	NFE Federal #42H
Longitude	-103.900653
Latitude	32.861833
Long/Lat Projection	NAD27
Production Type	Oil
True Vertical Depth (TVD)	9,510
Total Water Volume (gal)	2,771,874

Hydraulic Fracturing Fluid Composition:

[illegible]

[illegible]

**** Information is based on the maximum potential for concentration and thus the total may be over 100%**

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.