

DISTRICT I
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DISTRICT II
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DISTRICT III
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Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

As Drilled

API Number 30-015-43362	Pool Code 96831	Pool Name Cedar Lake, Glorieta - Yeso
Property Code 315935	Property Name Cedar Lake Federal - CA	Well Number 723H
OGRS No. 873	Operator Name APACHE CORPORATION	Elevation 3722'

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	17-S	31-E		2180	SOUTH	505	WEST	EDDY

AS-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	17-S	31-E		2147.5	SOUTH	331	EAST	EDDY

Dedicated Acres 151.78	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETC COORDINATES NAD 83 NME SURFACE LOCATION Y= 672388.9 N X= 669764.3 E LAT.=32.847723° N LONG.=103.915146° W LAT.=32°50'52" N LONG.=103°54'55" W	CORNER COORDINATES TABLE NAD 83 NME A - Y=672845.7 N, X=669257.9 E B - Y=672878.9 N, X=674265.0 E C - Y=671525.9 N, X=669262.1 E D - Y=671559.1 N, X=674272.6 E	AS-DRILLED BOTTOM HOLE LOCATION NAD 83 NME Y= 672384.5 N X= 673936.8 E LAT.=32.847664° N LONG.=103.901559° W LAT.=32°50'52" N LONG.=103°54'06" W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Emily Follis</i> 7/25/14 Signature Date Emily Follis Printed Name emily.follis@apachecorp.com E-mail Address
GEODETC COORDINATES NAD 27 NME SURFACE LOCATION Y= 672324.9 N X= 628585.6 E LAT.=32.847606° N LONG.=103.914638° W LAT.=32°50'51" N LONG.=103°54'53" W	CORNER COORDINATES TABLE NAD 27 NME A - Y=672781.8 N, X=628079.2 E B - Y=672814.9 N, X=633086.4 E C - Y=671462.0 N, X=628083.4 E D - Y=671495.1 N, X=633093.9 E	AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME Y= 672320.5 N X= 632758.1 E LAT.=32.847547° N LONG.=103.901052° W LAT.=32°50'51" N LONG.=103°54'04" W	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 13, 2014 Date of Survey Signature of Professional Surveyor: RONALD J. EIDSON 3239 REGISTERED SURVEYOR Certificate Number Ronald J. Eidson 12641 3239 LSL REL. W.O.: 15.13.1102 JWSC W.O.: 15.13.0012

NOTE: AS-DRILLED PATH & BOTTOM HOLE LOCATION PLOTTED FROM PHOENIX TECHNOLOGY SERVICES STANDARD MWD SURVEY REPORT NOVEMBER 26, 2015

WELL NAME: RAVEN FEDERAL COM 23H

API: 30-015-4392

SPUD DATE: 1/15/2015

PRODUCING FORMATION: YESO PADDOCK

FIELD: CEDAR LAKE (BP)

COUNTY: EDDY

STATE: NEW MEXICO

WORKING INTEREST: 90.00%

SURFACE LOC: 2180' FSL & 505' FWL

SECTION: 7

TOWNSHIP: 17-S

RANGE: 31-E

SURVEY: RONALD J. EDSON

BOTTOM HOLE LOC: 2147.9' FSL & 331' FEL

SECTION: 7

TOWNSHIP: 17-S

RANGE: 31-E

SURVEY: RONALD J. EDSON

DRILL RIG: CAPSTAR 114

RIG RELEASE: 11/28/2015

KB (ft): 3,733.00

GL (ft): 3,722.00

KB/GL DIFF (ft): 11.00

TMD (ft): 8,765.00

TD OF PILOT HOLE (ft): N/A

FC DEPTH (ft): 8,745.00

PBMD (ft): 8,765.00

ROV DEPTH (ft): N/A

ORIO VALVE (ft): N/A

DEEPEST TVD (ft): 4,916.00

TAPERED CASING STRING:

7" 29# L-80 TO X-OVER @ 4,314'
TAPERING TO 5.5" 20# L-80 SET @ 8,754'

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

4,346
3,803

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

5,192
8,745

TMD (ft): 8,765
FC DEPTH (ft): 8,745
PBMD (ft): 8,765
ROV DEPTH (ft): N/A
ORIO VALVE (ft): N/A

LAST UPDATED BY: HILLARI GOULD
LAST UPDATED: 4/28/2016

COMPLETION:

STIMULATION:

STATUS:

COMMENTS:

PACKERS & SLEEVES - 14 STAGES				
TOTAL ACID (bbl)	TOTAL LTR (bbl)	TOTAL PROPANT (lbs)	MAX WH RATE (bpm)	MAX WH PRESSURE (psi)
2,901	56,345	2,633,775	92.90	5,819
PRODUCTION METHOD	LIFT TYPE	SETTING DEPTH		
Pumping	ESP	0		
CROSSOVER SUB @ 4,314'				

