

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
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
NM OIL CONSERVATION
Energy, Minerals & Natural Resources Department
ARTESIA DISTRICT
OIL CONSERVATION DIVISION
NOV 09 2015
1220 South St. Francis Dr.
Santa Fe, NM 87505
RECEIVED

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-336928	² Pool Code 96718	³ Pool Name Loco Hills; Glorieta - Yeso
⁴ Property Code 9374	⁵ Property Name DALE H. PARKE A TRACT 1	⁶ Well Number 36
⁷ OGRID No. 17985	⁸ Operator Name Premier Oil & Gas, Inc.	⁹ Elevation 3666'

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
A	22	17S	30E		790	North	420	East	Eddy

¹¹ 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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

¹⁶ 	DETAIL 3664.9' 3665.9' 600' 600' 3674.1' 3667.1'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature 11/3/2015 Date Daniel Jones Printed Name dan.jones@premieroilgas.com E-mail Address	
	NMSPC EZ 1927 Y = 664041.1 N X = 617127.1 E LAT. 32.824955° N LONG. 103.952045° W			¹⁸ 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. 10/24/2008 Date of Survey Signature and Seal of Professional Surveyor: (see previous C102 for signature and seal) Ronald J. Eidson 3239 Gary Eidson 12641 Certificate Number



PHOENIX
TECHNOLOGY SERVICES

October 26, 2015

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Apache Corporation
Hummingbird Federal Com #7H
Eddy County, NM
API #30-015-43050
Job No. 1514235

NM OIL CONSERVATION
ARTESIA DISTRICT
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Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Bernard Caldwell	7H	4,940	9,968	09/23/15	09/28/15	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Claudia Carreon

Claudia Carreon
Operations Administrator

Certified mail receipt number: 7015 0640 0000 9907 5173

Phoenix Technology Services SURVEY DATA CERTIFICATION

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PHOENIX JOB NUMBER

1514235

ENERGY COMPANY

Apache Corp

WELL NAME

Hummingbird Federal Com #7H

COUNTY & STATE

Eddy Co., New Mexico

API WELL NUMBER

30-015-43050

PROPOSED DIRECTION

89.57

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
4,857.00 ft	4,856.77 ft	0.15	188.52	5.38 ft	7.82 ft	Phoenix Gyro

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
23-Sep-15	4,940.00 ft	3.4°	90.9°

SURVEY INSTRUMENT

TYPE

Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
28-Sep-15	9,968.00 ft	90.4°	89.9°

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
28-Sep-15	10,033.00 ft	90.4°	89.9°

Bernard Caldwell

PRINT YOUR NAME ABOVE

Bernard Caldwell

SIGN YOUR NAME ABOVE

9/28/15

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.23
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1

Bernard B Caldwell

DIRECTIONAL DRILLER 1

David Eddins

MWD SUPERVISOR 2

Jeremiah J Underwood

DIRECTIONAL DRILLER 2

Brad Jones



Apache Corporation

Eddy County, NM (NAD27 NME)
Hummingbird Federal Com
#7H

OH / Job #1514235

Design: Surveys (Capstar 114)

Standard Survey Report

28 September, 2015

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 09 2015

RECEIVED



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 4029.00usft (Capstar 114)
Site:	Hummingbird Federal Com	MD Reference:	KB @ 4029.00usft (Capstar 114)
Well:	#7H	North Reference:	Grid
Wellbore:	OH / Job #1514235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

Project	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Hummingbird Federal Com		
Site Position:		Northing:	677,262.80 usft
From:	Map	Easting:	655,481.80 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 39.07462 N
		Longitude:	103° 49' 37.14798 W
		Grid Convergence:	0.27 °

Well	#7H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 51' 52.08916 N
		Longitude:	103° 49' 51.22520 W
		Ground Level:	4,018.00 usft

Wellbore	OH / Job #1514235		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	9/22/2015	7.50
			Dip Angle
			(°)
			60.85
			Field Strength
			(nT)
			48,607

Design	Surveys (Capstar 114)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			89.57

Survey Program	Date 9/28/2015		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.00	4,857.00	Phoenix Gyro Survey (OH / Job #1514235)	PHX_SPT_GTD
4,857.00	10,033.00	Phoenix MWD Survey (OH / Job #1514235)	PHX+MWD+HDGM
			Description
			PHX Continuous north-seeking gyro
			PHX+MWD+HDGM

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.23	214.18	100.00	-0.17	-0.11	-0.11	0.23	0.23	0.00
200.00	0.26	74.60	200.00	-0.27	-0.01	-0.01	0.46	0.03	-139.58
300.00	0.23	294.41	300.00	-0.13	0.03	0.03	0.46	-0.03	-140.19
400.00	0.22	290.80	400.00	0.02	-0.33	-0.33	0.02	-0.01	-3.61
500.00	0.19	239.93	500.00	0.01	-0.66	-0.66	0.18	-0.03	-50.87
600.00	0.35	302.60	600.00	0.09	-1.06	-1.06	0.31	0.16	62.67
700.00	0.33	2.02	700.00	0.54	-1.30	-1.30	0.34	-0.02	59.42
800.00	0.19	131.96	799.99	0.72	-1.17	-1.17	0.47	-0.14	129.94
900.00	0.20	306.26	899.99	0.71	-1.19	-1.18	0.39	0.01	174.30



Phoenix Technology Services LP

Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 4029.00usft (Capstar 114)
Site:	Hummingbird Federal Com	MD Reference:	KB @ 4029.00usft (Capstar 114)
Well:	#7H	North Reference:	Grid
Wellbore:	OH / Job #1514235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.00	0.10	126.47	999.99	0.76	-1.26	-1.25	0.30	-0.10	-179.79
1,100.00	0.11	90.08	1,099.99	0.71	-1.09	-1.09	0.07	0.01	-36.39
1,200.00	0.27	254.08	1,199.99	0.65	-1.22	-1.22	0.38	0.16	164.00
1,300.00	0.25	258.67	1,299.99	0.54	-1.66	-1.66	0.03	-0.02	4.59
1,400.00	0.13	217.71	1,399.99	0.41	-1.95	-1.94	0.17	-0.12	-40.96
1,500.00	0.63	93.91	1,499.99	0.28	-1.47	-1.47	0.71	0.50	-123.80
1,600.00	0.82	81.00	1,599.98	0.35	-0.21	-0.21	0.25	0.19	-12.91
1,700.00	0.88	72.78	1,699.97	0.69	1.23	1.23	0.14	0.06	-8.22
1,800.00	1.43	61.08	1,799.95	1.52	3.05	3.06	0.60	0.55	-11.70
1,900.00	1.56	59.29	1,899.92	2.82	5.32	5.34	0.14	0.13	-1.79
2,000.00	1.53	59.33	1,999.88	4.20	7.63	7.67	0.03	-0.03	0.04
2,100.00	1.31	61.85	2,099.85	5.42	9.79	9.83	0.23	-0.22	2.52
2,200.00	0.90	60.70	2,199.83	6.34	11.48	11.53	0.41	-0.41	-1.15
2,300.00	0.65	79.33	2,299.82	6.83	12.73	12.78	0.35	-0.25	18.63
2,400.00	0.62	58.31	2,399.82	7.22	13.74	13.80	0.23	-0.03	-21.02
2,500.00	0.53	50.52	2,499.81	7.80	14.56	14.62	0.12	-0.09	-7.79
2,600.00	0.20	321.87	2,599.81	8.23	14.81	14.87	0.56	-0.33	-88.65
2,700.00	0.03	351.79	2,699.81	8.39	14.70	14.76	0.17	-0.17	29.92
2,800.00	0.16	139.02	2,799.81	8.31	14.79	14.85	0.19	0.13	147.23
2,900.00	0.19	298.56	2,899.81	8.29	14.73	14.79	0.34	0.03	159.54
3,000.00	0.24	343.85	2,999.81	8.57	14.53	14.59	0.17	0.05	45.29
3,100.00	0.37	175.30	3,099.81	8.45	14.50	14.56	0.61	0.13	-168.55
3,200.00	0.48	240.46	3,199.81	7.92	14.16	14.22	0.47	0.11	65.16
3,300.00	0.55	253.43	3,299.80	7.57	13.33	13.39	0.14	0.07	12.97
3,400.00	0.51	219.37	3,399.80	7.09	12.59	12.64	0.31	-0.04	-34.06
3,500.00	0.54	250.38	3,499.79	6.59	11.87	11.91	0.28	0.03	31.01
3,600.00	0.46	255.31	3,599.79	6.33	11.03	11.08	0.09	-0.08	4.93
3,700.00	0.51	268.53	3,699.79	6.22	10.20	10.25	0.12	0.05	13.22
3,800.00	0.38	220.32	3,799.78	5.95	9.54	9.59	0.38	-0.13	-48.21
3,900.00	0.29	359.32	3,899.78	5.95	9.32	9.37	0.63	-0.09	139.00
4,000.00	0.38	210.88	3,999.78	5.92	9.15	9.19	0.65	0.09	-148.44
4,100.00	0.43	295.59	4,099.78	5.80	8.64	8.68	0.55	0.05	84.71
4,200.00	0.42	321.89	4,199.78	6.25	8.08	8.12	0.19	-0.01	26.30
4,300.00	0.30	175.55	4,299.78	6.28	7.87	7.92	0.69	-0.12	-146.34
4,400.00	0.22	262.18	4,399.78	5.99	7.70	7.75	0.36	-0.08	86.63
4,500.00	0.18	150.13	4,499.78	5.83	7.59	7.63	0.33	-0.04	-112.05
4,600.00	0.05	118.81	4,599.78	5.67	7.71	7.75	0.14	-0.13	-31.32
4,700.00	0.08	99.78	4,699.78	5.64	7.81	7.85	0.04	0.03	-19.03
4,800.00	0.13	196.36	4,799.78	5.52	7.85	7.89	0.16	0.05	96.58
4,857.00	0.15	188.52	4,856.77	5.38	7.82	7.86	0.05	0.04	-13.75
Tie-on to Phoenix Gyro Survey									
4,940.00	3.40	90.90	4,939.73	5.24	10.27	10.30	4.12	3.92	-117.61
First Phoenix MWD Survey									

Company:	Apache Corporation	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 4029.00usft (Capstar 114)
Site:	Hummingbird Federal Com	MD Reference:	KB @ 4029.00usft (Capstar 114)
Well:	#7H	North Reference:	Grid
Wellbore:	OH / Job #1514235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,983.00	8.30	90.30	4,982.49	5.20	14.65	14.69	11.40	11.40	-1.40
5,025.00	13.30	86.70	5,023.73	5.46	22.51	22.55	12.01	11.90	-8.57
5,068.00	18.60	84.80	5,065.06	6.37	34.28	34.33	12.38	12.33	-4.42
5,111.00	23.90	88.70	5,105.13	7.19	49.83	49.88	12.75	12.33	9.07
5,153.00	29.30	92.30	5,142.67	6.97	68.62	68.67	13.41	12.86	8.57
5,196.00	35.40	92.90	5,178.98	5.92	91.60	91.64	14.21	14.19	1.40
5,238.00	39.30	92.10	5,212.36	4.81	117.05	117.08	9.36	9.29	-1.90
5,281.00	44.10	91.70	5,244.48	3.87	145.63	145.65	11.18	11.16	-0.93
5,324.00	50.20	89.90	5,273.69	3.45	177.13	177.15	14.51	14.19	-4.19
5,366.00	55.20	89.20	5,299.13	3.72	210.53	210.55	11.98	11.90	-1.67
5,409.00	59.20	89.90	5,322.42	4.00	246.67	246.69	9.40	9.30	1.63
5,452.00	62.40	90.60	5,343.40	3.83	284.20	284.22	7.58	7.44	1.63
5,494.00	65.30	90.70	5,361.90	3.41	321.89	321.91	6.91	6.90	0.24
5,537.00	68.30	90.70	5,378.84	2.92	361.41	361.42	6.98	6.98	0.00
5,580.00	72.50	90.30	5,393.26	2.57	401.90	401.91	9.81	9.77	-0.93
5,622.00	75.90	89.80	5,404.70	2.54	442.31	442.32	8.18	8.10	-1.19
5,665.00	78.50	89.40	5,414.22	2.83	484.24	484.24	6.11	6.05	-0.93
5,708.00	82.00	89.10	5,421.50	3.39	526.61	526.62	8.17	8.14	-0.70
5,751.00	86.30	89.10	5,425.89	4.06	569.37	569.38	10.00	10.00	0.00
5,794.00	89.30	89.10	5,427.54	4.73	612.32	612.34	6.98	6.98	0.00
5,836.00	90.30	89.40	5,427.68	5.28	654.32	654.34	2.49	2.38	0.71
5,964.00	90.00	89.80	5,427.35	6.18	782.32	782.34	0.39	-0.23	0.31
6,092.00	89.40	88.60	5,428.02	7.96	910.30	910.33	1.05	-0.47	-0.94
6,220.00	90.50	88.50	5,428.13	11.20	1,038.26	1,038.31	0.86	0.86	-0.08
6,347.00	89.70	89.10	5,427.91	13.86	1,165.23	1,165.30	0.79	-0.63	0.47
6,476.00	89.50	88.30	5,428.81	16.79	1,294.19	1,294.28	0.64	-0.16	-0.62
6,604.00	89.00	89.20	5,430.48	19.58	1,422.15	1,422.25	0.80	-0.39	0.70
6,732.00	89.90	89.00	5,431.71	21.59	1,550.12	1,550.24	0.72	0.70	-0.16
6,860.00	90.00	90.30	5,431.82	22.37	1,678.12	1,678.24	1.02	0.08	1.02
6,988.00	88.80	91.30	5,433.16	20.59	1,806.09	1,806.20	1.22	-0.94	0.78
7,119.00	89.40	91.00	5,435.22	17.96	1,937.05	1,937.13	0.51	0.46	-0.23
7,247.00	90.40	90.70	5,435.45	16.06	2,065.03	2,065.10	0.82	0.78	-0.23
7,375.00	90.90	90.90	5,433.99	14.27	2,193.01	2,193.06	0.42	0.39	0.16
7,503.00	89.60	89.40	5,433.44	13.94	2,321.01	2,321.04	1.55	-1.02	-1.17
7,631.00	91.30	89.60	5,432.43	15.05	2,448.99	2,449.04	1.34	1.33	0.16
7,759.00	87.10	89.50	5,434.22	16.06	2,576.95	2,576.99	3.28	-3.28	-0.08
7,887.00	88.50	89.90	5,439.13	16.73	2,704.85	2,704.90	1.14	1.09	0.31
8,016.00	89.80	90.60	5,441.04	16.17	2,833.83	2,833.87	1.14	1.01	0.54
8,143.00	90.20	90.40	5,441.04	15.06	2,960.82	2,960.85	0.35	0.31	-0.16
8,271.00	87.90	89.10	5,443.17	15.61	3,088.79	3,088.82	2.06	-1.80	-1.02
8,400.00	89.40	89.60	5,446.21	17.08	3,217.74	3,217.78	1.23	1.16	0.39
8,528.00	90.10	89.00	5,446.76	18.64	3,345.73	3,345.78	0.72	0.55	-0.47
8,656.00	90.40	88.50	5,446.21	21.43	3,473.70	3,473.76	0.46	0.23	-0.39
8,784.00	89.90	88.80	5,445.87	24.45	3,601.66	3,601.75	0.46	-0.39	0.23

Company:	Apache Corporation	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 4029.00usft (Capstar 114)
Site:	Hummingbird Federal Com	MD Reference:	KB @ 4029.00usft (Capstar 114)
Well:	#7H	North Reference:	Grid
Wellbore:	OH / Job #1514235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,912.00	89.80	89.10	5,446.21	26.79	3,729.64	3,729.74	0.25	-0.08	0.23
9,040.00	88.70	89.80	5,447.88	28.02	3,857.62	3,857.72	1.02	-0.86	0.55
9,168.00	88.70	89.40	5,450.78	28.92	3,985.59	3,985.69	0.31	0.00	-0.31
9,296.00	90.10	89.70	5,452.12	29.92	4,113.57	4,113.68	1.12	1.09	0.23
9,424.00	89.70	88.90	5,452.35	31.49	4,241.56	4,241.68	0.70	-0.31	-0.63
9,552.00	88.90	90.50	5,453.91	32.16	4,369.54	4,369.66	1.40	-0.63	1.25
9,681.00	88.10	90.40	5,457.29	31.14	4,498.49	4,498.60	0.62	-0.62	-0.08
9,809.00	89.80	91.30	5,459.63	29.24	4,626.45	4,626.54	1.50	1.33	0.70
9,937.00	89.90	89.80	5,459.97	28.02	4,754.44	4,754.52	1.17	0.08	-1.17
9,968.00	90.40	89.90	5,459.89	28.10	4,785.44	4,785.52	1.64	1.61	0.32
Last Phoenix MWD Survey									
10,033.00	90.40	89.90	5,459.43	28.21	4,850.44	4,850.52	0.00	0.00	0.00
Projection to TD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,857.00	4,856.77	5.38	7.82	Tie-on to Phoenix Gyro Survey
4,940.00	4,939.73	5.24	10.27	First Phoenix MWD Survey
9,968.00	5,459.89	28.10	4,785.44	Last Phoenix MWD Survey
10,033.00	5,459.43	28.21	4,850.44	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
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

API Number 30-015-43050	Pool Code 26 770	Pool Name Fren; Glorieta - Yeso
Property Code 313695	Property Name HUMMINGBIRD FEDERAL COM	Well Number 7H
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 4018'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	1	17-S	31-E		2310	NORTH	100	WEST	EDDY

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
H	1	17-S	31-E		2310	NORTH	330	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

DETAIL 4016.8' 4024.0' 600' 4011.0' 4016.0' 2310' 100' S.L. SEE DETAIL GRID AZ. = 89°34'28" HORIZ. DIST. = 4853.0' B.H. 330'	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>Sorina L. Flores</i> 9/25/14 Signature Date Sorina L. Flores Printed Name Sorina.Flores@apachecorp.com E-mail Address				
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=678572.3 N X=654274.8 E CORNER COORDINATES TABLE <table> <tr> <td>A - Y=679562.2 N, X=654169.5 E</td> </tr> <tr> <td>B - Y=679600.1 N, X=659450.7 E</td> </tr> <tr> <td>C - Y=678280.1 N, X=659458.2 E</td> </tr> <tr> <td>D - Y=678243.3 N, X=654176.5 E</td> </tr> </table> BOTTOM HOLE LOCATION Y=678608.3 N X=659126.4 E	A - Y=679562.2 N, X=654169.5 E	B - Y=679600.1 N, X=659450.7 E	C - Y=678280.1 N, X=659458.2 E	D - Y=678243.3 N, X=654176.5 E	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. JULY 31, 2013 Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 08/21/2013 RONALD J. EIDSON NEW MEXICO 3239 Certificate Number: 3239 Gary C. Eidson 12641 Ronald J. Eidson 3239 BKL JWSC W.O.: 13.11.0802
A - Y=679562.2 N, X=654169.5 E					
B - Y=679600.1 N, X=659450.7 E					
C - Y=678280.1 N, X=659458.2 E					
D - Y=678243.3 N, X=654176.5 E					

