

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 Hrnos 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, NM 87505

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

JAN 27 2016

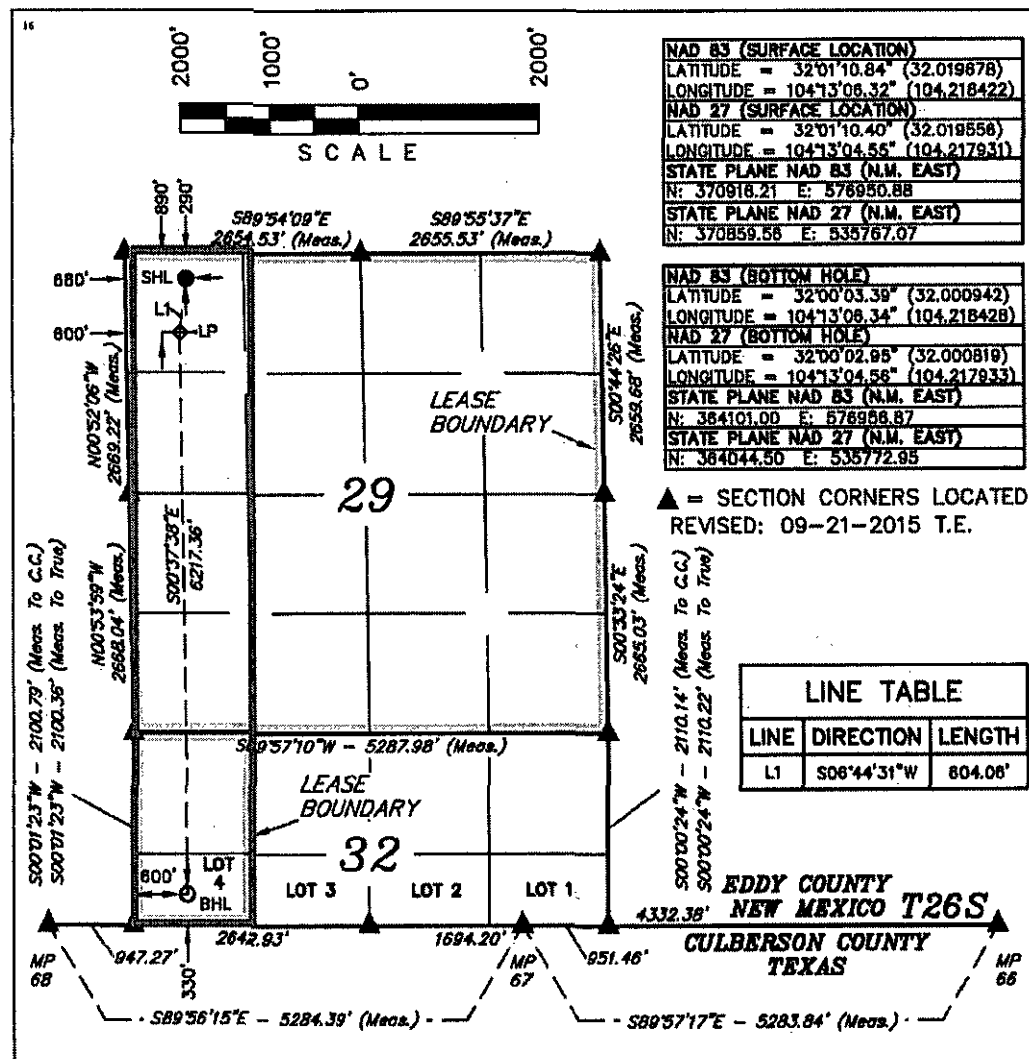
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-42176	² Pool Code 98018	³ Pool Name Wildcat: Bone Spring
⁴ Property Code 40450	⁵ Property Name MEDWICK 29 FEDERAL COM	⁶ Well Number 1H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3269'

"Surface Location									
UL or lot no. D	Section 29	Township 26S	Range 27E	Lot Idn	Feet from the 290	North/South line NORTH	Feet from the 680	East/West line WEST	County EDDY

"Bottom Hole Location If Different From Surface									
UL or lot no. 4	Section 32	Township 26S	Range 27E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 600	East/West line WEST	County EDDY
¹² Dedicated Acres 223.04		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.



"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 leased 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: Aricka Easterling Date: 10/22/15

Printed Name: Aricka Easterling

E-mail Address: aeasterling@cimarex.com

E-mail Address: aeasterling@cimarex.com

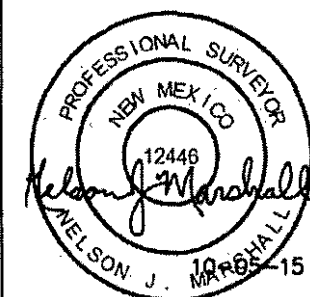
"SURVEYOR
CERTIFICATION

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.

August 26, 2013

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

Cimarex Medwick 29 Federal #1H Rev2 JLP 23Oct15 Proposal Geodetic Report

(Non-Def Plan)



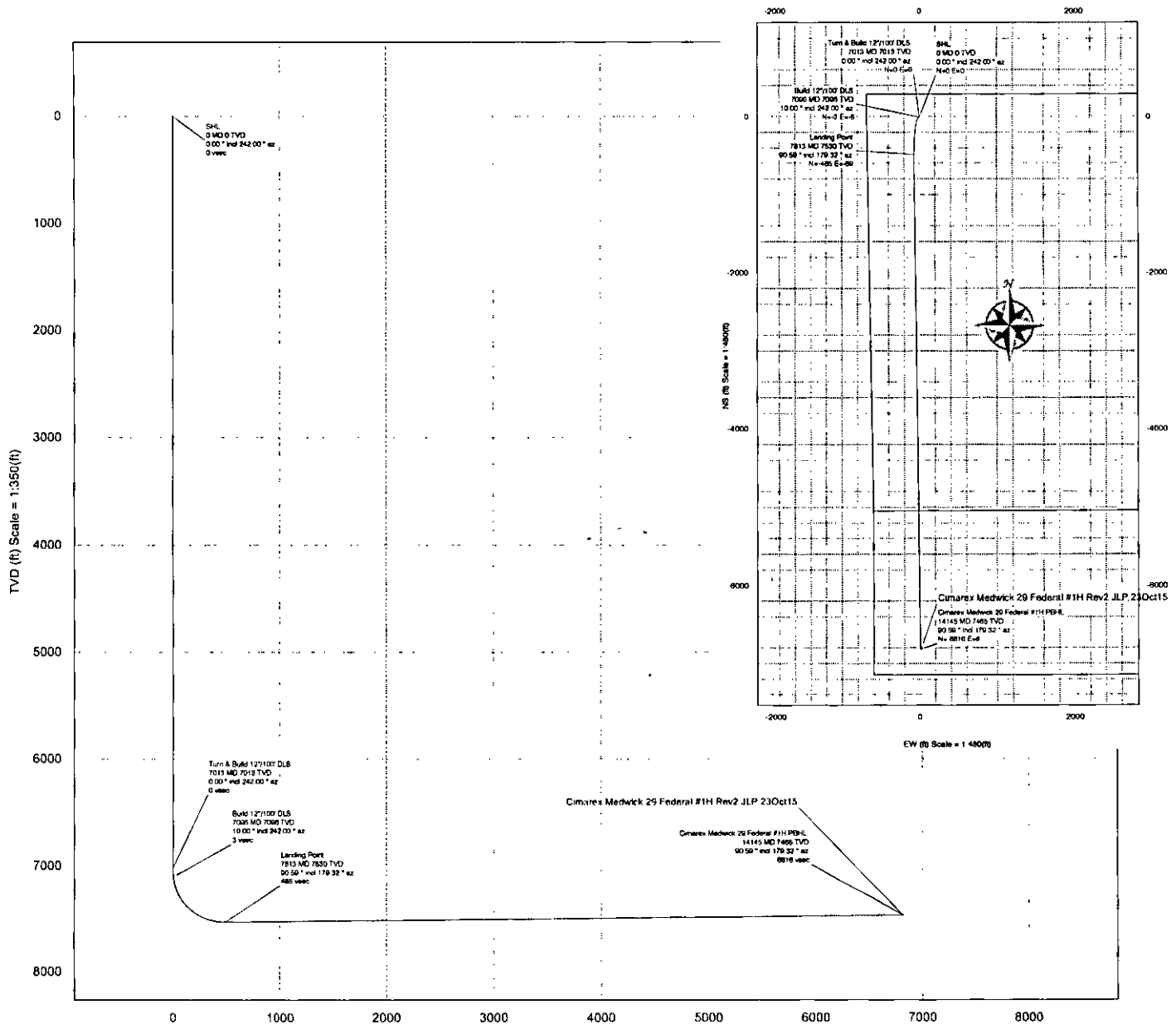
Report Date:	October 23, 2015 - 02:28 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Cimarex	Vertical Section Azimuth:	179.950 ° (Grid North)
Field:	NM Eddy County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Cimarex Medwick 29 Federal #1H / Cimarex Medwick 29 Federal #1H	TVD Reference Datum:	Ground level
Well:	Cimarex Medwick 29 Federal #1H	TVD Reference Elevation:	3269.000 ft above MSL
Borehole:	Original Borehole	Seabed / Ground Elevation:	3269.000 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.595 °
Survey Name:	Cimarex Medwick 29 Federal #1H Rev2 JLP 23Oct15	Total Gravity Field Strength:	998.6843mgm (9.80665 Based)
Survey Date:	October 04, 2013	Gravity Model:	DOX
Tort / AHD / DDI / ERD Ratio:	96.016 ° / 6630.660 ft / 6.091 / 0.907	Total Magnetic Field Strength:	48170.944 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.732 °
Location Lat / Long:	N 32° 1' 10.83589", W 104° 13' 6.32110"	Declination Date:	July 13, 2015
Location Grid N/E Y/X:	N 370916.210 ftUS, E 576950.880 ftUS	Magnetic Declination Model:	HDGM 2015
CRS Grid Convergence Angle:	0.0609 °	North Reference:	Grid North
Grid Scale Factor:	0.99991054	Grid Convergence Used:	0.0609 °
Version / Patch:	2.8.572.0	Total Corr Mag North->Grid	7.5339 °
		North:	
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	242.00	0.00	0.00	0.00	0.00	N/A	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	100.00	0.00	242.00	100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	200.00	0.00	242.00	200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	300.00	0.00	242.00	300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	400.00	0.00	242.00	400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	500.00	0.00	242.00	500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	600.00	0.00	242.00	600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	700.00	0.00	242.00	700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	800.00	0.00	242.00	800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	900.00	0.00	242.00	900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1000.00	0.00	242.00	1000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1100.00	0.00	242.00	1100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1200.00	0.00	242.00	1200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1300.00	0.00	242.00	1300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1400.00	0.00	242.00	1400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1500.00	0.00	242.00	1500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1600.00	0.00	242.00	1600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1700.00	0.00	242.00	1700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1800.00	0.00	242.00	1800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	1900.00	0.00	242.00	1900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	2000.00	0.00	242.00	2000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	2100.00	0.00	242.00	2100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	
	2200.00	0.00	242.00	2200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13 6.32	

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	2300.00	0.00	242.00	2300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	2400.00	0.00	242.00	2400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	2500.00	0.00	242.00	2500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	2600.00	0.00	242.00	2600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	2700.00	0.00	242.00	2700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	2800.00	0.00	242.00	2800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	2900.00	0.00	242.00	2900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3000.00	0.00	242.00	3000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3100.00	0.00	242.00	3100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3200.00	0.00	242.00	3200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3300.00	0.00	242.00	3300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3400.00	0.00	242.00	3400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3500.00	0.00	242.00	3500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3600.00	0.00	242.00	3600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3700.00	0.00	242.00	3700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3800.00	0.00	242.00	3800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	3900.00	0.00	242.00	3900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4000.00	0.00	242.00	4000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4100.00	0.00	242.00	4100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4200.00	0.00	242.00	4200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4300.00	0.00	242.00	4300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4400.00	0.00	242.00	4400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4500.00	0.00	242.00	4500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4600.00	0.00	242.00	4600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4700.00	0.00	242.00	4700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4800.00	0.00	242.00	4800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	4900.00	0.00	242.00	4900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5000.00	0.00	242.00	5000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5100.00	0.00	242.00	5100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5200.00	0.00	242.00	5200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5300.00	0.00	242.00	5300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5400.00	0.00	242.00	5400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5500.00	0.00	242.00	5500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5600.00	0.00	242.00	5600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5700.00	0.00	242.00	5700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5800.00	0.00	242.00	5800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	5900.00	0.00	242.00	5900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6000.00	0.00	242.00	6000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6100.00	0.00	242.00	6100.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6200.00	0.00	242.00	6200.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6300.00	0.00	242.00	6300.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6400.00	0.00	242.00	6400.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6500.00	0.00	242.00	6500.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6600.00	0.00	242.00	6600.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6700.00	0.00	242.00	6700.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6800.00	0.00	242.00	6800.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	6900.00	0.00	242.00	6900.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	7000.00	0.00	242.00	7000.00	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Turn & Build 12"/100' DLS Build 12"/100' DLS	7013.11	0.00	242.00	7013.11	0.00	0.00	0.00	0.00	370916.21	576950.88	N 32 1 10.84 W 104 13	6.32
	7096.44	10.00	242.00	7096.02	3.40	-3.41	-6.40	12.00	370912.80	576944.48	N 32 1 10.80 W 104 13	6.40
	7100.00	10.20	239.85	7099.52	3.70	-3.71	-6.95	12.00	370912.50	576943.93	N 32 1 10.80 W 104 13	6.40
	7200.00	19.14	206.23	7196.32	22.91	-22.93	-21.91	12.00	370893.28	576928.98	N 32 1 10.61 W 104 13	6.58
	7300.00	30.23	194.99	7287.09	62.06	-62.10	-35.71	12.00	370854.12	576915.17	N 32 1 10.22 W 104 13	6.74
	7400.00	41.80	189.50	7367.86	119.45	-119.49	-47.77	12.00	370796.73	576903.12	N 32 1 9.65 W 104 13	6.88
	7500.00	53.53	186.06	7435.10	192.56	-192.61	-57.54	12.00	370723.62	576893.34	N 32 1 8.93 W 104 13	6.99
	7600.00	65.33	183.53	7485.88	278.20	-278.26	-64.81	12.00	370637.97	576886.27	N 32 1 8.08 W 104 13	7.07
	7700.00	77.17	181.46	7517.96	372.63	-372.69	-68.67	12.00	370543.55	576882.22	N 32 1 7.15 W 104 13	7.12
	7800.00	89.02	179.57	7529.96	471.72	-471.78	-69.53	12.00	370444.47	576881.36	N 32 1 6.17 W 104 13	7.13
Landing Point	7813.20	90.59	179.32	7530.00	484.92	-484.99	-69.40	12.00	370431.27	576881.49	N 32 1 6.04 W 104 13	7.13
	7900.00	90.59	179.32	7529.11	571.71	-571.77	-68.37	0.00	370344.49	576882.52	N 32 1 5.18 W 104 13	7.12
	8000.00	90.59	179.32	7528.08	671.70	-671.76	-67.18	0.00	370244.51	576883.70	N 32 1 4.19 W 104 13	7.11
	8100.00	90.59	179.32	7527.05	771.69	-771.75	-65.99	0.00	370144.53	576884.89	N 32 1 3.20 W 104 13	7.10
	8200.00	90.59	179.32	7526.03	871.68	-871.73	-64.81	0.00	370044.56	576886.08	N 32 1 2.21 W 104 13	7.08
	8300.00	90.59	179.32	7525.00	971.67	-971.72	-63.62	0.00	369944.58	576887.27	N 32 1 1.22 W 104 13	7.07
	8400.00	90.59	179.32	7523.97	1071.65	-1071.71	-62.43	0.00	369844.60	576888.45	N 32 1 0.23 W 104 13	7.06
	8500.00	90.59	179.32	7522.94	1171.64	-1171.70	-61.25	0.00	369744.62	576889.64	N 32 0.59.24 W 104 13	7.05
	8600.00	90.59	179.32	7521.91	1271.63	-1271.69	-60.06	0.00	369644.64	576890.83	N 32 0.58.25 W 104 13	7.03
	8700.00	90.59	179.32	7520.88	1371.62	-1371.67	-58.87	0.00	369544.66	576892.02	N 32 0.57.26 W 104 13	7.02
	8800.00	90.59	179.32	7519.85	1471.61	-1471.66	-57.68	0.00	369444.68	576893.20	N 32 0.56.27 W 104 13	7.01
	8900.00	90.59	179.32	7518.83	1571.60	-1571.65	-56.49	0.00	369344.71	576894.39	N 32 0.55.28 W 104 13	7.00
	9000.00	90.59	179.32	7517.80	1671.59	-1671.64	-55.31	0.00	369244.73	576895.58	N 32 0.54.29 W 104 13	6.98
	9100.00	90.59	179.32	7516.77	1771.58	-1771.62	-54.12	0.00	369144.75	576896.77	N 32 0.53.31 W 104 13	6.97
	9200.00	90.59	179.32	7515.74	1871.56	-1871.61	-52.93	0.00	369044.77	576897.96	N 32 0.52.32 W 104 13	6.96
	9300.00	90.59	179.32	7514.71	1971.55	-1971.60	-51.74	0.00	368944.79	576899.14	N 32 0.51.33 W 104 13	6.95
	9400.00	90.59	179.32	7513.69	2071.54	-2071.59	-50.55	0.00	368844.81	576900.33	N 32 0.50.34 W 104 13	6.93
	9500.00	90.59	179.32	7512.66	2171.53	-2171.57	-49.36	0.00	368744.83	576901.52	N 32 0.49.35 W 104 13	6.92
	9600.00	90.59	179.32	7511.63	2271.52	-2271.56	-48.17	0.00	368644.86	576902.71	N 32 0.48.36 W 104 13	6.91
	9700.00	90.59	179.32	7510.60	2371.51	-2371.55	-46.99	0.00	368544.88	576903.90	N 32 0.47.37 W 104 13	6.90
	9800.00	90.59	179.32	7509.58	2471.50	-2471.54	-45.80	0.00	368444.90	576905.09	N 32 0.46.38 W 104 13	6.88
	9900.00	90.59	179.32	7508.55	2571.48	-2571.52	-44.61	0.00	368344.92	576906.28	N 32 0.45.39 W 104 13	6.87
	10000.00	90.59	179.32	7507.52	2671.47	-2671.51	-43.42	0.00	368244.94	576907.47	N 32 0.44.40 W 104 13	6.86
	10100.00	90.59	179.32	7506.49	2771.46	-2771.50	-42.23	0.00	368144.96	576908.66	N 32 0.43.41 W 104 13	6.85
	10200.00	90.59	179.32	7505.47	2871.45	-2871.49	-41.04	0.00	368044.99	576909.85	N 32 0.42.42 W 104 13	6.83
	10300.00	90.59	179.32	7504.44	2971.44	-2971.48	-39.85	0.00	367945.01	576911.03	N 32 0.41.43 W 104 13	6.82
	10400.00	90.59	179.32	7503.41	3071.43	-3071.46	-38.66	0.00	367845.03	576912.22	N 32 0.40.44 W 104 13	6.81
	10500.00	90.59	179.32	7502.39	3171.42	-3171.45	-37.47	0.00	367745.05	576913.41	N 32 0.39.45 W 104 13	6.80
	10600.00	90.59	179.32	7501.36	3271.40	-3271.44	-36.28	0.00	367645.07	576914.60	N 32 0.38.46 W 104 13	6.78
	10700.00	90.59	179.32	7500.33	3371.39	-3371.43	-35.09	0.00	367545.09	576915.79	N 32 0.37.47 W 104 13	6.77
	10800.00	90.59	179.32	7499.31	3471.38	-3471.41	-33.90	0.00	367445.11	576916.99	N 32 0.36.48 W 104 13	6.76
	10900.00	90.59	179.32	7498.28	3571.37	-3571.40	-32.71	0.00	367345.14	576918.18	N 32 0.35.50 W 104 13	6.75
	11000.00	90.59	179.32	7497.25	3671.36	-3671.39	-31.52	0.00	367245.16	576919.37	N 32 0.34.51 W 104 13	6.73
	11100.00	90.59	179.32	7496.23	3771.35	-3771.38	-30.33	0.00	367145.18	576920.56	N 32 0.33.52 W 104 13	6.72
	11200.00	90.59	179.32	7495.20	3871.34	-3871.36	-29.14	0.00	367045.20	576921.75	N 32 0.32.53 W 104 13	6.71
	11300.00	90.59	179.32	7494.17	3971.33	-3971.35	-27.94	0.00	366945.22	576922.94	N 32 0.31.54 W 104 13	6.69
	11400.00	90.59	179.32	7493.15	4071.31	-4071.34	-26.75	0.00	366845.24	576924.13	N 32 0.30.55 W 104 13	6.68

Borehole:	Well:	Field:	Structure:
Original Borehole	Medwick 29 Federal #1H	NM Eddy County (NAD 83)	TBD
Gravity & Magnetic Parameters			
Model: HOQM 2015	Dip: 58.732°	Date: 15-Jul-2015	Surface Location
MagDec: 7.595°	FB: 48170.944nT	Gravity FB: 980.844mgal (9.80665 Based)	NADES New Mexico State Plane, Eastern Zone, US Feet
			Lat: N 32 1 10.84
			North: 370616.21 RU9
			Grid Conv: 0.0006°
			Lon: W 104 13 8.32
			East: 678800.86 RU8
			Scale Fact: 0.99981084
			Block: 1H
			TVD Ref: Ground level (259ft above MSL)
			Plan: Rev2 JLP 23Oct15



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(°)/S(-)	E(°)/W(-)	DLS
SHL	0.00	0.00	242.00	0.00	0.00	0.00	0.00	
Turn & Build 12°/100' DLS	7013.11	0.00	242.00	7013.11	0.00	0.00	0.00	0.00
Build 12°/100' DLS	7096.44	10.00	242.00	7096.02	3.40	-3.41	6.40	12.00
Landing Point	7813.20	90.58	179.32	7530.00	484.92	-484.90	-89.40	12.00
Cimarex Medwick 29 Federal #1H PBHL	14144.83	90.58	179.32	7485.00	6815.84	-6815.83	5.98	0.00



Grid North
Tot Corr (M=Q 7.534°)
Mag Dec: (7.595°)
Grid Conv: (0.051°)

Cimarex Medwick 29 Federal #1H PBHL
Cimarex Medwick 29 Federal #1H PBHL
Cimarex Medwick 29 Federal #1H PBHL
Cimarex Medwick 29 Federal #1H PBHL
Cimarex Medwick 29 Federal #1H PBHL

CONTROLLED

Drawn by: [Signature]
Checked by: [Signature]
Date: 23 Oct 2015

Scale: 1" = 1000'
Sheet: 1 of 1
Rev: 2