

3002543075

HOBBS OCD

FEB 16 2016

RECEIVED

REV 1

PATHFINDER
 A Schlumberger Company
WELL
Big Wyatt 25 2H

FIELD

Magnetic Parameters
Model: BGGM 2012Dip: 60.376°
Mag Dec: 7.481°Date: July 17, 2013
PS: 48538.9nTSurface
Lat:

Comments	Survey MD	Inc	Azim	TVD	SSTVD	VS	NS
SHL	0.00	0.00	320.00	0.00	-3677.50	0.00	
KOP Build 2°/100' DLS	3000.00	0.00	320.00	3000.00	-677.50	0.00	
Hold 7°Inc	3350.00	7.00	320.00	3349.13	-328.37	17	
Drop to Vertical	4509.51	7.00	320.00	4500.00	822.50		
Hold	4859.51	0.00	320.00	4849.13	1171.62		
KOP Build 8°/100' DLS	10475.76	0.00	320.00	10465.38	6787		
Turn 8°/100' DLS	11475.76	80.00	320.00	11170.70	7		
Landing Point	11986.26	90.00	359.81	11217.00			
PBHL	18310.15	90.00	359.81	1121			

Critical Point

 Diamondback Big Wyatt 25 2H
 18310 MD 11217 TVD
 90.00° 359.81° Az
 N=7386.1E=650

Diamondback Big Wyatt 25 2H Rev1 mcs 11Dec13

Diamondback Big Wyatt 25 3H

Diamondback Big Wyatt 25 4H

400

2800

3200

3600

4000

4400

4800

5200

5600

6000

6400

6800

7200

7600

8000

8400

8800

9200

9600

10000

10400

10800

11200

11600

12000

12400

12800

13200

13600

14000

<<< S Scale = 1:400(ft) N >>>

Diamondback Big Wyatt 25 2H Rev1 mcs 11Dec13 Proposal

Geodetic Report

(Def Plan)

Report Date:	December 11, 2013 - 11:48 AM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Diamondback Resources	Vertical Section Azimuth:	354.382 ° (Grid North)
Field:	NM Lea County (NAD 27)	Vertical Section Origin:	0.100 ft, 40.101 ft
Structure / Slot:	Diamondback Big Wyatt 25 / Diamondback Big Wyatt 25 2H	TVD Reference Datum:	Ground Elevation
Well:	Diamondback Big Wyatt 25 2H	TVD Reference Elevation:	3677.500 ft above
Borehole:	Original Borehole	Seabed / Ground Elevation:	3677.200 ft above
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.481 °
Survey Name:	Diamondback Big Wyatt 25 2H Rev1 mcs 11Dec13	Total Gravity Field Strength:	998.4872mgn (9.80665 Based)
Survey Date:	July 17, 2013	Total Magnetic Field Strength:	48558.895 nT
Tort / AHD / DDI / ERD Ratio:	134.840 ° / 7607.471 ft / 6.224 / 0.678	Magnetic Dip Angle:	60.376 °
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	Declination Date:	July 17, 2013
Location Lat / Long:	N 32° 32' 14.22066", W 103° 36' 58.86223"	Magnetic Declination Model:	BGGM 2012
Location Grid N/E Y/X:	N 559919.600 ftUS, E 720957.500 ftUS	North Reference:	Grid North
CRS Grid Convergence Angle:	0.3856 °	Grid Convergence Used:	0.3856 °
Grid Scale Factor:	0.999965	Total Corr Mag North->Grid North:	7.0958 °
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
SHL	0.00	0.00	320.00	0.00	0.00	0.10	40.10	N/A
	100.00	0.00	320.00	100.00	0.00	0.10	40.10	0.00
	200.00	0.00	320.00	200.00	0.00	0.10	40.10	0.00
	300.00	0.00	320.00	300.00	0.00	0.10	40.10	0.00
	400.00	0.00	320.00	400.00	0.00	0.10	40.10	0.00
	500.00	0.00	320.00	500.00	0.00	0.10	40.10	0.00
	600.00	0.00	320.00	600.00	0.00	0.10	40.10	0.00
	700.00	0.00	320.00	700.00	0.00	0.10	40.10	0.00
	800.00	0.00	320.00	800.00	0.00	0.10	40.10	0.00
	900.00	0.00	320.00	900.00	0.00	0.10	40.10	0.00
	1000.00	0.00	320.00	1000.00	0.00	0.10	40.10	0.00
	1100.00	0.00	320.00	1100.00	0.00	0.10	40.10	0.00
	1200.00	0.00	320.00	1200.00	0.00	0.10	40.10	0.00
	1300.00	0.00	320.00	1300.00	0.00	0.10	40.10	0.00
	1400.00	0.00	320.00	1400.00	0.00	0.10	40.10	0.00
Rustler (Redbeds)	1490.00	0.00	320.00	1490.00	0.00	0.10	40.10	0.00
	1500.00	0.00	320.00	1500.00	0.00	0.10	40.10	0.00
Top Salt	1540.00	0.00	320.00	1540.00	0.00	0.10	40.10	0.00
	1600.00	0.00	320.00	1600.00	0.00	0.10	40.10	0.00
	1700.00	0.00	320.00	1700.00	0.00	0.10	40.10	0.00
	1800.00	0.00	320.00	1800.00	0.00	0.10	40.10	0.00
	1900.00	0.00	320.00	1900.00	0.00	0.10	40.10	0.00
	2000.00	0.00	320.00	2000.00	0.00	0.10	40.10	0.00
	2100.00	0.00	320.00	2100.00	0.00	0.10	40.10	0.00
	2200.00	0.00	320.00	2200.00	0.00	0.10	40.10	0.00
	2300.00	0.00	320.00	2300.00	0.00	0.10	40.10	0.00
	2400.00	0.00	320.00	2400.00	0.00	0.10	40.10	0.00
	2500.00	0.00	320.00	2500.00	0.00	0.10	40.10	0.00
	2600.00	0.00	320.00	2600.00	0.00	0.10	40.10	0.00
	2700.00	0.00	320.00	2700.00	0.00	0.10	40.10	0.00
	2800.00	0.00	320.00	2800.00	0.00	0.10	40.10	0.00
	2900.00	0.00	320.00	2900.00	0.00	0.10	40.10	0.00
KOP Build 2°/100' DLS	3000.00	0.00	320.00	3000.00	0.00	0.10	40.10	0.00
	3100.00	2.00	320.00	3099.98	1.44	1.44	38.98	2.00
Base Salt	3100.02	2.00	320.00	3100.00	1.44	1.44	38.98	2.00
	3200.00	4.00	320.00	3199.84	5.76	5.45	35.62	2.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
Hold 7°Inc	3300.00	6.00	320.00	3299.45	12.95	12.12	30.01	2.00
	3350.00	7.00	320.00	3349.13	17.62	16.46	26.38	2.00
	3400.00	7.00	320.00	3398.76	22.65	21.13	22.46	0.00
Seven Rivers	3451.63	7.00	320.00	3450.00	27.84	25.95	18.41	0.00
	3500.00	7.00	320.00	3498.01	32.71	30.46	14.63	0.00
	3600.00	7.00	320.00	3597.27	42.77	39.80	6.79	0.00
	3700.00	7.00	320.00	3696.52	52.83	49.13	-1.04	0.00
	3800.00	7.00	320.00	3795.78	62.88	58.47	-8.88	0.00
	3900.00	7.00	320.00	3895.03	72.94	67.80	-16.71	0.00
	4000.00	7.00	320.00	3994.28	83.00	77.14	-24.54	0.00
	4100.00	7.00	320.00	4093.54	93.06	86.48	-32.38	0.00
	4200.00	7.00	320.00	4192.79	103.11	95.81	-40.21	0.00
	4300.00	7.00	320.00	4292.05	113.17	105.15	-48.04	0.00
	4400.00	7.00	320.00	4391.30	123.23	114.48	-55.88	0.00
	4500.00	7.00	320.00	4490.56	133.29	123.82	-63.71	0.00
	4509.51	7.00	320.00	4500.00	134.24	124.71	-64.46	0.00
	4600.00	5.19	320.00	4589.97	142.17	132.07	-70.63	2.00
	4700.00	3.19	320.00	4689.70	148.20	137.66	-75.33	2.00
	4800.00	1.19	320.00	4789.62	151.36	140.59	-77.78	2.00
Hold	4859.51	0.00	320.00	4849.13	151.87	141.06	-78.18	2.00
	4900.00	0.00	320.00	4889.62	151.87	141.06	-78.18	0.00
	5000.00	0.00	320.00	4989.62	151.87	141.06	-78.18	0.00
	5100.00	0.00	320.00	5089.62	151.87	141.06	-78.18	0.00
	5200.00	0.00	320.00	5189.62	151.87	141.06	-78.18	0.00
	5300.00	0.00	320.00	5289.62	151.87	141.06	-78.18	0.00
	5400.00	0.00	320.00	5389.62	151.87	141.06	-78.18	0.00
	5500.00	0.00	320.00	5489.62	151.87	141.06	-78.18	0.00
	5600.00	0.00	320.00	5589.62	151.87	141.06	-78.18	0.00
	5700.00	0.00	320.00	5689.62	151.87	141.06	-78.18	0.00
	5710.38	0.00	320.00	5700.00	151.87	141.06	-78.18	0.00
	5800.00	0.00	320.00	5789.62	151.87	141.06	-78.18	0.00
	5900.00	0.00	320.00	5889.62	151.87	141.06	-78.18	0.00
	6000.00	0.00	320.00	5989.62	151.87	141.06	-78.18	0.00
	6100.00	0.00	320.00	6089.62	151.87	141.06	-78.18	0.00
	6200.00	0.00	320.00	6189.62	151.87	141.06	-78.18	0.00
	6300.00	0.00	320.00	6289.62	151.87	141.06	-78.18	0.00
	6400.00	0.00	320.00	6389.62	151.87	141.06	-78.18	0.00
	6500.00	0.00	320.00	6489.62	151.87	141.06	-78.18	0.00
	6600.00	0.00	320.00	6589.62	151.87	141.06	-78.18	0.00
Deleware Sands	6700.00	0.00	320.00	6689.62	151.87	141.06	-78.18	0.00
	6800.00	0.00	320.00	6789.62	151.87	141.06	-78.18	0.00
	6900.00	0.00	320.00	6889.62	151.87	141.06	-78.18	0.00
	7000.00	0.00	320.00	6989.62	151.87	141.06	-78.18	0.00
	7100.00	0.00	320.00	7089.62	151.87	141.06	-78.18	0.00
	7200.00	0.00	320.00	7189.62	151.87	141.06	-78.18	0.00
	7300.00	0.00	320.00	7289.62	151.87	141.06	-78.18	0.00
	7400.00	0.00	320.00	7389.62	151.87	141.06	-78.18	0.00
	7500.00	0.00	320.00	7489.62	151.87	141.06	-78.18	0.00
	7600.00	0.00	320.00	7589.62	151.87	141.06	-78.18	0.00
	7700.00	0.00	320.00	7689.62	151.87	141.06	-78.18	0.00
	7800.00	0.00	320.00	7789.62	151.87	141.06	-78.18	0.00
	7900.00	0.00	320.00	7889.62	151.87	141.06	-78.18	0.00
	8000.00	0.00	320.00	7989.62	151.87	141.06	-78.18	0.00
	8100.00	0.00	320.00	8089.62	151.87	141.06	-78.18	0.00
	8200.00	0.00	320.00	8189.62	151.87	141.06	-78.18	0.00
	8300.00	0.00	320.00	8289.62	151.87	141.06	-78.18	0.00
	8400.00	0.00	320.00	8389.62	151.87	141.06	-78.18	0.00
	8500.00	0.00	320.00	8489.62	151.87	141.06	-78.18	0.00
	8600.00	0.00	320.00	8589.62	151.87	141.06	-78.18	0.00
	8610.38	0.00	320.00	8600.00	151.87	141.06	-78.18	0.00
	8700.00	0.00	320.00	8689.62	151.87	141.06	-78.18	0.00
1st Bone Spring Lm.	8610.38	0.00	320.00	8600.00	151.87	141.06	-78.18	0.00
	8700.00	0.00	320.00	8689.62	151.87	141.06	-78.18	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
	8800.00	0.00	320.00	8789.62	151.87	141.06	-78.18	0.00
	8900.00	0.00	320.00	8889.62	151.87	141.06	-78.18	0.00
	9000.00	0.00	320.00	8989.62	151.87	141.06	-78.18	0.00
	9100.00	0.00	320.00	9089.62	151.87	141.06	-78.18	0.00
	9200.00	0.00	320.00	9189.62	151.87	141.06	-78.18	0.00
	9300.00	0.00	320.00	9289.62	151.87	141.06	-78.18	0.00
	9400.00	0.00	320.00	9389.62	151.87	141.06	-78.18	0.00
	9500.00	0.00	320.00	9489.62	151.87	141.06	-78.18	0.00
	9600.00	0.00	320.00	9589.62	151.87	141.06	-78.18	0.00
1st Bone Spring Sd.	9610.38	0.00	320.00	9600.00	151.87	141.06	-78.18	0.00
	9700.00	0.00	320.00	9689.62	151.87	141.06	-78.18	0.00
	9800.00	0.00	320.00	9789.62	151.87	141.06	-78.18	0.00
	9900.00	0.00	320.00	9889.62	151.87	141.06	-78.18	0.00
2nd Bone Spring Lm.	9910.38	0.00	320.00	9900.00	151.87	141.06	-78.18	0.00
	10000.00	0.00	320.00	9989.62	151.87	141.06	-78.18	0.00
	10100.00	0.00	320.00	10089.62	151.87	141.06	-78.18	0.00
2nd Bone Spring Sd.	10160.38	0.00	320.00	10150.00	151.87	141.06	-78.18	0.00
	10200.00	0.00	320.00	10189.62	151.87	141.06	-78.18	0.00
	10300.00	0.00	320.00	10289.62	151.87	141.06	-78.18	0.00
	10400.00	0.00	320.00	10389.62	151.87	141.06	-78.18	0.00
KOP Build 8°/100' DLS	10475.76	0.00	320.00	10465.38	151.87	141.06	-78.18	0.00
	10500.00	1.94	320.00	10489.61	152.21	141.38	-78.45	8.00
	10600.00	9.94	320.00	10588.99	160.74	149.30	-85.09	8.00
3rd Bone Spring Lm.	10672.86	15.77	320.00	10660.00	174.11	161.71	-95.51	8.00
	10700.00	17.94	320.00	10685.97	180.60	167.74	-100.56	8.00
	10800.00	25.94	320.00	10778.65	211.41	196.33	-124.56	8.00
	10900.00	33.94	320.00	10865.24	252.57	234.53	-156.61	8.00
	11000.00	41.94	320.00	10944.04	303.27	281.59	-196.10	8.00
	11100.00	49.94	320.00	11013.53	362.52	336.60	-242.25	8.00
	11200.00	57.94	320.00	11072.35	429.19	398.47	-294.17	8.00
3rd Bone Spring Sd.	11224.51	59.90	320.00	11085.00	446.51	414.56	-307.67	8.00
	11300.00	65.94	320.00	11119.35	501.96	466.02	-350.85	8.00
	11400.00	73.94	320.00	11153.62	579.42	537.92	-411.18	8.00
Turn 8°/100' DLS	11475.76	80.00	320.00	11170.70	640.30	594.43	-458.60	8.00
	11500.00	80.40	321.93	11174.82	660.24	612.98	-473.65	8.00
	11600.00	82.16	329.82	11190.00	747.03	694.74	-529.04	8.00
	11700.00	84.07	337.65	11202.01	839.86	783.70	-572.92	8.00
	11800.00	86.08	345.42	11210.60	936.91	878.13	-604.45	8.00
	11900.00	88.17	353.15	11215.62	1036.31	976.18	-623.00	8.00
Landing Point	11986.26	90.00	359.81	11217.00	1122.46	1062.22	-628.29	8.00
	12000.00	90.00	359.81	11217.00	1136.13	1075.96	-628.34	0.00
	12100.00	90.00	359.81	11217.00	1235.68	1175.96	-628.67	0.00
	12200.00	90.00	359.81	11217.00	1335.24	1275.96	-629.01	0.00
	12300.00	90.00	359.81	11217.00	1434.79	1375.96	-629.35	0.00
	12400.00	90.00	359.81	11217.00	1534.34	1475.95	-629.69	0.00
	12500.00	90.00	359.81	11217.00	1633.89	1575.95	-630.02	0.00
	12600.00	90.00	359.81	11217.00	1733.44	1675.95	-630.36	0.00
	12700.00	90.00	359.81	11217.00	1833.00	1775.95	-630.70	0.00
	12800.00	90.00	359.81	11217.00	1932.55	1875.95	-631.04	0.00
	12900.00	90.00	359.81	11217.00	2032.10	1975.95	-631.37	0.00
	13000.00	90.00	359.81	11217.00	2131.65	2075.95	-631.71	0.00
	13100.00	90.00	359.81	11217.00	2231.20	2175.95	-632.05	0.00
	13200.00	90.00	359.81	11217.00	2330.76	2275.95	-632.38	0.00
	13300.00	90.00	359.81	11217.00	2430.31	2375.95	-632.72	0.00
	13400.00	90.00	359.81	11217.00	2529.86	2475.95	-633.06	0.00
	13500.00	90.00	359.81	11217.00	2629.41	2575.95	-633.40	0.00
	13600.00	90.00	359.81	11217.00	2728.96	2675.95	-633.73	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
	13700.00	90.00	359.81	11217.00	2828.52	2775.95	-634.07	0.00
	13800.00	90.00	359.81	11217.00	2928.07	2875.95	-634.41	0.00
	13900.00	90.00	359.81	11217.00	3027.62	2975.95	-634.75	0.00
	14000.00	90.00	359.81	11217.00	3127.17	3075.95	-635.08	0.00
	14100.00	90.00	359.81	11217.00	3226.72	3175.94	-635.42	0.00
	14200.00	90.00	359.81	11217.00	3326.28	3275.94	-635.76	0.00
	14300.00	90.00	359.81	11217.00	3425.83	3375.94	-636.10	0.00
	14400.00	90.00	359.81	11217.00	3525.38	3475.94	-636.43	0.00
	14500.00	90.00	359.81	11217.00	3624.93	3575.94	-636.77	0.00
	14600.00	90.00	359.81	11217.00	3724.48	3675.94	-637.11	0.00
	14700.00	90.00	359.81	11217.00	3824.04	3775.94	-637.44	0.00
	14800.00	90.00	359.81	11217.00	3923.59	3875.94	-637.78	0.00
	14900.00	90.00	359.81	11217.00	4023.14	3975.94	-638.12	0.00
	15000.00	90.00	359.81	11217.00	4122.69	4075.94	-638.46	0.00
	15100.00	90.00	359.81	11217.00	4222.24	4175.94	-638.79	0.00
	15200.00	90.00	359.81	11217.00	4321.80	4275.94	-639.13	0.00
	15300.00	90.00	359.81	11217.00	4421.35	4375.94	-639.47	0.00
	15400.00	90.00	359.81	11217.00	4520.90	4475.94	-639.81	0.00
	15500.00	90.00	359.81	11217.00	4620.45	4575.94	-640.14	0.00
	15600.00	90.00	359.81	11217.00	4720.00	4675.94	-640.48	0.00
	15700.00	90.00	359.81	11217.00	4819.56	4775.94	-640.82	0.00
	15800.00	90.00	359.81	11217.00	4919.11	4875.94	-641.16	0.00
	15900.00	90.00	359.81	11217.00	5018.66	4975.93	-641.49	0.00
	16000.00	90.00	359.81	11217.00	5118.21	5075.93	-641.83	0.00
	16100.00	90.00	359.81	11217.00	5217.77	5175.93	-642.17	0.00
	16200.00	90.00	359.81	11217.00	5317.32	5275.93	-642.51	0.00
	16300.00	90.00	359.81	11217.00	5416.87	5375.93	-642.84	0.00
	16400.00	90.00	359.81	11217.00	5516.42	5475.93	-643.18	0.00
	16500.00	90.00	359.81	11217.00	5615.97	5575.93	-643.52	0.00
	16600.00	90.00	359.81	11217.00	5715.53	5675.93	-643.85	0.00
	16700.00	90.00	359.81	11217.00	5815.08	5775.93	-644.19	0.00
	16800.00	90.00	359.81	11217.00	5914.63	5875.93	-644.53	0.00
	16900.00	90.00	359.81	11217.00	6014.18	5975.93	-644.87	0.00
	17000.00	90.00	359.81	11217.00	6113.73	6075.93	-645.20	0.00
	17100.00	90.00	359.81	11217.00	6213.29	6175.93	-645.54	0.00
	17200.00	90.00	359.81	11217.00	6312.84	6275.93	-645.88	0.00
	17300.00	90.00	359.81	11217.00	6412.39	6375.93	-646.22	0.00
	17400.00	90.00	359.81	11217.00	6511.94	6475.93	-646.55	0.00
	17500.00	90.00	359.81	11217.00	6611.49	6575.93	-646.89	0.00
	17600.00	90.00	359.81	11217.00	6711.05	6675.93	-647.23	0.00
	17700.00	90.00	359.81	11217.00	6810.60	6775.92	-647.57	0.00
	17800.00	90.00	359.81	11217.00	6910.15	6875.92	-647.90	0.00
	17900.00	90.00	359.81	11217.00	7009.70	6975.92	-648.24	0.00
	18000.00	90.00	359.81	11217.00	7109.25	7075.92	-648.58	0.00
	18100.00	90.00	359.81	11217.00	7208.81	7175.92	-648.92	0.00
	18200.00	90.00	359.81	11217.00	7308.36	7275.92	-649.25	0.00
	18300.00	90.00	359.81	11217.00	7407.91	7375.92	-649.59	0.00
Diamondback Big Wyatt 25 2H - PBHL	18310.15	90.00	359.81	11217.00	7418.02	7386.07	-649.62	0.00



