

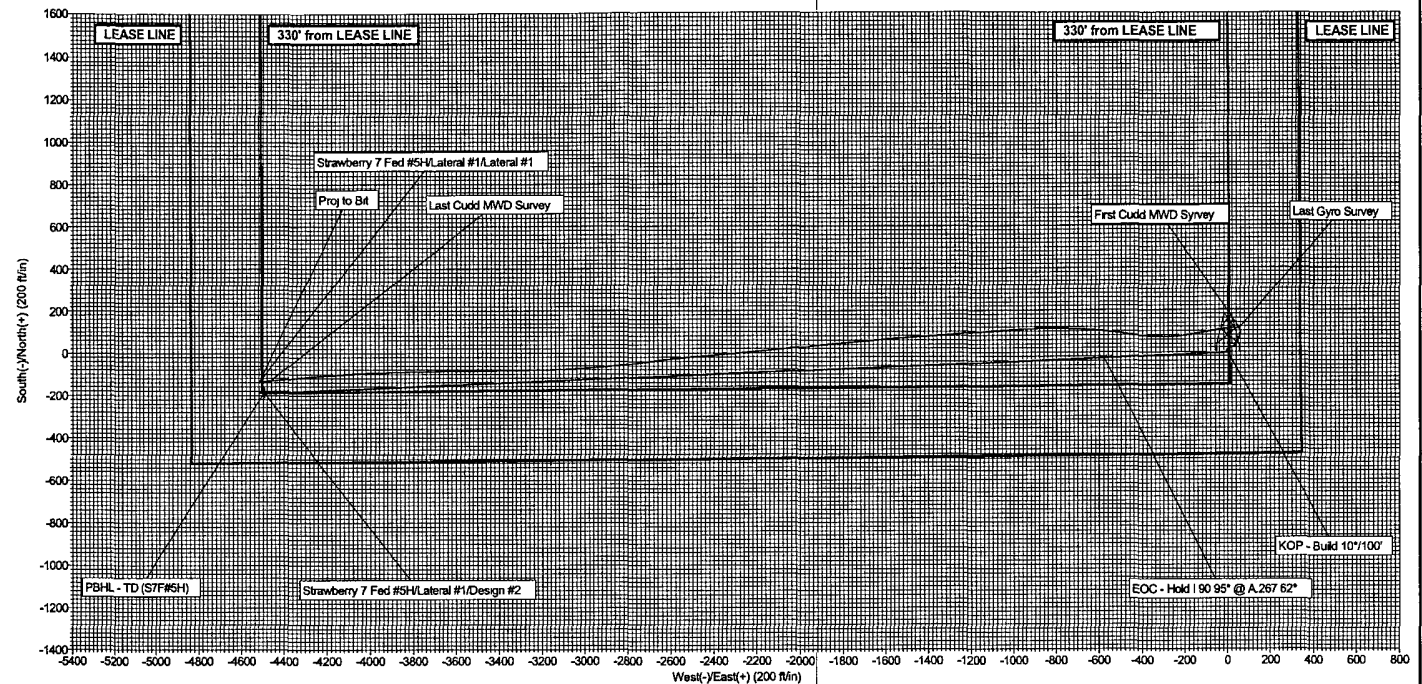


Project: Eddy Co., New Mexico (Nad 83)
 Site: Strawberry 7 Fed #5H
 Well: Strawberry 7 Fed #5H
 Wellbore: Lateral #1
 Design: Design #2



Plan: Design #2 (Strawberry 7 Fed #5H/Lateral #1)

Created By: Mike Starkey Date: 10/13, May 11 2010
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____



SECTION DETAILS

Sec	MD	Inc	Asl	TVD	+N-S	+E-W	Dlog	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8247.00	0.00	0.00	8247.00	0.00	0.00	0.00	0.00	0.00	
3	9156.68	90.95	267.62	8819.99	-24.17	-582.07	10.00	267.62	582.57	
4	13074.41	90.95	267.62	8755.00	-186.66	-4495.89	0.00	0.00	4499.76	PBHL - TD (S7F#5H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

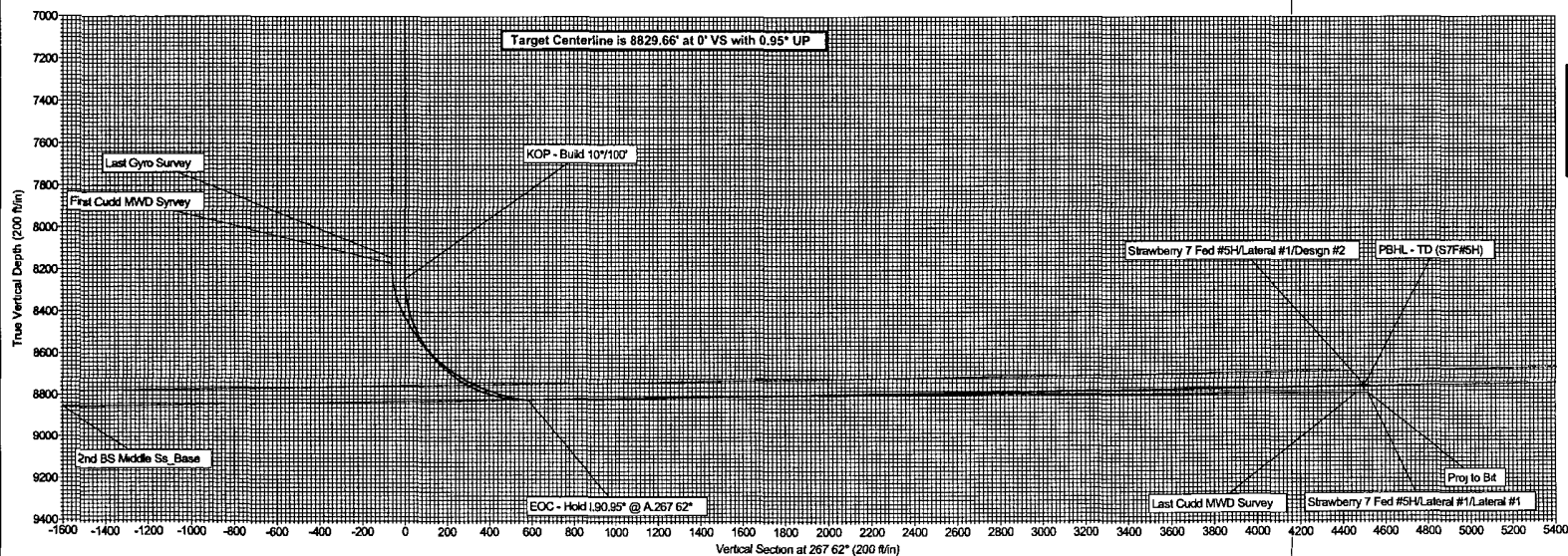
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - TD (S7F#5H)	8755.00	-186.66	-4495.89	609828.64	669804.02	32° 40' 32.769 N	103° 54' 56.951 W	Point

ANNOTATIONS

TVD	MD	Annotation
8247.00	8247.00	KOP - Build 10°/100°
8819.99	9156.70	EOC - Hold 190.95° @ A.267.62°

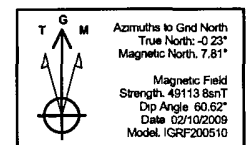
WELL DETAILS: Strawberry 7 Fed #5H

Ground Level 3477.00					
WELL @ 3496.00ft (Original Well Elev)					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.00	0.00	610015.30	674299.90	32° 40' 34.438 N	103° 54' 4.341 W



PROJECT DETAILS: Eddy Co., New Mexico (Nad 83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level



Strawberry 7 Fed #5H_Final MWD Survey_Report_05-11-10.txt

Devon Energy

Strawberry 7 Fed #5H - Cudd MWD Survey #1

Eddy Co., New Mexico (Nad 83)

Strawberry 7 Fed #5H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
8146.00	0.81	351.95	8144.26	111.23 N	55.16 E	-59.73
0.00						
8173.00	1.50	8.40	8171.25	111.77 N	55.18 E	-59.78
2.81						
8204.00	1.80	317.10	8202.24	112.53 N	54.91 E	-59.54
4.69						
8236.00	5.30	283.10	8234.18	113.23 N	53.13 E	-57.79
12.31						
8268.00	9.50	275.70	8265.90	113.83 N	49.06 E	-53.75
13.43						
8298.00	13.40	268.80	8295.30	114.00 N	43.12 E	-47.82
13.76						
8331.00	16.90	267.80	8327.15	113.74 N	34.50 E	-39.19
10.64						
8362.00	20.00	269.50	8356.55	113.52 N	24.69 E	-29.39
10.15						
8393.00	23.20	268.40	8385.37	113.30 N	13.29 E	-17.98
10.40						
8425.00	26.00	266.50	8414.47	112.70 N	0.02 W	-4.66
9.09						
8457.00	29.40	264.10	8442.80	111.46 N	14.84 W	10.19
11.18						
8489.00	32.40	261.60	8470.25	109.40 N	31.13 W	26.56
10.20						
8522.00	33.20	260.30	8497.99	106.59 N	48.79 W	44.32
3.23						
8554.00	35.20	259.50	8524.46	103.43 N	66.49 W	62.14
6.41						
8586.00	38.10	259.50	8550.13	99.95 N	85.27 W	81.05
9.06						
8618.00	41.10	260.70	8574.78	96.45 N	105.36 W	101.27
9.67						
8650.00	44.60	260.10	8598.24	92.82 N	126.82 W	122.85
11.01						
8682.00	46.90	260.20	8620.57	88.90 N	149.40 W	145.58
7.19						
8714.00	49.70	260.50	8641.85	84.89 N	172.95 W	169.28
8.78						
8746.00	52.00	261.60	8662.05	81.04 N	197.46 W	193.93
7.67						
8778.00	53.80	264.90	8681.36	78.05 N	222.80 W	219.37
9.96						
8810.00	56.20	266.90	8699.71	76.18 N	248.95 W	245.57
9.08						
8842.00	58.70	268.80	8716.93	75.17 N	275.90 W	272.54
9.28						
8874.00	61.40	270.90	8732.91	75.11 N	303.62 W	300.24
10.17						
8906.00	64.40	271.70	8747.48	75.76 N	332.09 W	328.66
9.64						

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8938.00	67.80	272.40	8760.44	76.80 N	361.33 W	357.83
10.81						
8969.00	70.70	274.30	8771.43	78.50 N	390.26 W	386.67
10.97						
8999.00	71.40	277.70	8781.17	81.47 N	418.48 W	414.73
10.97						
9031.00	71.20	278.60	8791.43	85.77 N	448.48 W	444.53
2.74						
9063.00	72.70	278.30	8801.35	90.24 N	478.57 W	474.41
4.77						
9095.00	76.80	277.70	8809.76	94.53 N	509.14 W	504.78
12.94						
9127.00	81.00	276.80	8815.92	98.49 N	540.28 W	535.73
13.41						
9159.00	85.80	276.10	8819.60	102.06 N	571.86 W	567.13
15.16						
9191.00	90.50	275.00	8820.63	105.15 N	603.68 W	598.80
15.08						
9223.00	91.20	273.90	8820.16	107.63 N	635.58 W	630.57
4.07						
9255.00	91.60	273.20	8819.38	109.62 N	667.51 W	662.38
2.52						
9287.00	91.60	272.90	8818.48	111.32 N	699.45 W	694.23
0.94						
9319.00	91.70	272.80	8817.56	112.91 N	731.40 W	726.08
0.44						
9351.00	91.10	271.70	8816.78	114.16 N	763.37 W	757.97
3.91						
9383.00	91.10	271.70	8816.16	115.11 N	795.35 W	789.88
0.00						
9414.00	90.90	270.00	8815.62	115.57 N	826.34 W	820.83
5.52						
9446.00	90.90	268.80	8815.12	115.24 N	858.33 W	852.81
3.75						
9478.00	90.70	267.90	8814.67	114.32 N	890.31 W	884.80
2.88						
9509.00	90.70	267.50	8814.29	113.07 N	921.29 W	915.80
1.29						
9541.00	91.30	267.00	8813.74	111.54 N	953.25 W	947.79
2.44						
9573.00	91.30	266.70	8813.01	109.78 N	985.19 W	979.78
0.94						
9604.00	91.20	266.60	8812.33	107.97 N	1016.13 W	1010.77
0.46						
9636.00	91.50	266.60	8811.58	106.07 N	1048.06 W	1042.75
0.94						
9668.00	91.50	266.50	8810.74	104.15 N	1079.99 W	1074.74
0.31						
9700.00	91.50	266.10	8809.90	102.08 N	1111.92 W	1106.72
1.25						
9764.00	91.60	265.80	8808.17	97.56 N	1175.73 W	1170.67
0.49						
9828.00	91.20	265.80	8806.61	92.88 N	1239.54 W	1234.62
0.63						
9892.00	90.60	265.60	8805.60	88.08 N	1303.35 W	1298.57
0.99						
9956.00	90.60	266.40	8804.93	83.62 N	1367.19 W	1362.54
1.25						
10020.00	90.30	265.90	8804.43	79.32 N	1431.05 W	1426.52
0.91						
10051.00	90.30	265.60	8804.27	77.02 N	1461.96 W	1457.50
0.97						
10083.00	90.70	265.50	8803.99	74.54 N	1493.86 W	1489.48

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1.29						
10147.00	90.70	265.70	8803.21	69.63 N	1557.67 W	1553.44
0.31						
10211.00	90.20	264.90	8802.71	64.38 N	1621.45 W	1617.38
1.47						
10273.00	91.10	265.10	8802.00	58.98 N	1683.21 W	1679.31
1.49						
10334.00	91.20	264.90	8800.78	53.67 N	1743.97 W	1740.23
0.37						
10398.00	90.90	264.30	8799.61	47.64 N	1807.67 W	1804.13
1.05						
10430.00	91.20	264.40	8799.02	44.49 N	1839.51 W	1836.08
0.99						
10462.00	90.60	263.90	8798.52	41.23 N	1871.34 W	1868.01
2.44						
10494.00	90.90	265.50	8798.10	38.28 N	1903.20 W	1899.97
5.09						
10526.00	91.40	263.70	8797.46	35.27 N	1935.05 W	1931.92
5.84						
10558.00	91.50	264.00	8796.65	31.84 N	1966.86 W	1963.84
0.99						
10589.00	90.80	264.70	8796.02	28.79 N	1997.70 W	1994.78
3.19						
10621.00	90.50	264.40	8795.66	25.75 N	2029.55 W	2026.73
1.33						
10653.00	90.50	264.40	8795.38	22.63 N	2061.40 W	2058.68
0.00						
10716.00	90.30	263.70	8794.94	16.10 N	2124.06 W	2121.56
1.16						
10780.00	89.60	264.20	8795.00	9.35 N	2187.70 W	2185.42
1.34						
10844.00	88.80	265.30	8795.89	3.50 N	2251.42 W	2249.34
2.13						
10908.00	89.30	265.10	8796.95	1.86 S	2315.19 W	2313.27
0.84						
10972.00	90.80	265.30	8796.90	7.21 S	2378.96 W	2377.21
2.36						
11036.00	90.70	265.40	8796.06	12.40 S	2442.75 W	2441.16
0.22						
11100.00	90.70	264.50	8795.28	18.04 S	2506.49 W	2505.08
1.41						
11164.00	90.50	264.40	8794.61	24.22 S	2570.19 W	2568.98
0.35						
11225.00	90.40	264.10	8794.13	30.34 S	2630.88 W	2629.87
0.52						
11318.00	90.60	262.00	8793.32	41.59 S	2723.19 W	2722.57
2.27						
11348.00	90.90	262.30	8792.92	45.69 S	2752.91 W	2752.43
1.41						
11410.00	91.00	262.20	8791.89	54.04 S	2814.33 W	2814.15
0.23						
11472.00	89.80	264.80	8791.46	61.06 S	2875.92 W	2875.98
4.62						
11536.00	90.10	265.00	8791.52	66.75 S	2939.67 W	2939.91
0.56						
11599.00	89.30	266.10	8791.85	71.64 S	3002.48 W	3002.86
2.16						
11661.00	89.10	266.90	8792.71	75.42 S	3064.36 W	3064.85
1.33						
11691.00	88.80	267.40	8793.26	76.92 S	3094.31 W	3094.84
1.94						
11722.00	88.70	268.10	8793.94	78.13 S	3125.28 W	3125.83
2.28						

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11784.00	90.10	269.40	8794.59	79.48 S	3187.26 W	3187.81
3.08						
11847.00	90.00	268.90	8794.53	80.42 S	3250.25 W	3250.79
0.81						
11908.00	90.10	269.00	8794.48	81.54 S	3311.24 W	3311.77
0.23						
11970.00	90.80	268.80	8793.99	82.73 S	3373.23 W	3373.76
1.17						
12031.00	90.00	269.40	8793.57	83.69 S	3434.22 W	3434.73
1.64						
12093.00	90.40	269.50	8793.35	84.28 S	3496.22 W	3496.70
0.67						
12155.00	90.60	269.10	8792.81	85.04 S	3558.21 W	3558.67
0.72						
12216.00	90.10	269.90	8792.44	85.57 S	3619.21 W	3619.64
1.55						
12246.00	90.10	269.50	8792.38	85.73 S	3649.21 W	3649.62
1.33						
12277.00	90.20	269.40	8792.30	86.02 S	3680.20 W	3680.60
0.46						
12339.00	90.30	269.10	8792.03	86.84 S	3742.20 W	3742.58
0.51						
12400.00	90.50	268.90	8791.61	87.90 S	3803.19 W	3803.56
0.46						
12464.00	90.60	268.60	8790.99	89.30 S	3867.17 W	3867.54
0.49						
12527.00	90.40	267.60	8790.44	91.39 S	3930.13 W	3930.54
1.62						
12591.00	89.80	267.40	8790.33	94.18 S	3994.07 W	3994.54
0.99						
12653.00	89.90	267.20	8790.49	97.10 S	4056.00 W	4056.53
0.36						
12717.00	89.80	266.40	8790.66	100.67 S	4119.90 W	4120.53
1.26						
12780.00	90.20	266.10	8790.66	104.79 S	4182.76 W	4183.51
0.79						
12844.00	90.70	265.80	8790.16	109.31 S	4246.60 W	4247.48
0.91						
12907.00	89.80	265.10	8789.88	114.31 S	4309.40 W	4310.43
1.81						
12971.00	89.80	263.80	8790.11	120.50 S	4373.10 W	4374.33
2.03						
13060.00	90.00	263.80	8790.26	130.11 S	4461.58 W	4463.13
0.22						
13115.00	90.00	263.80	8790.26	136.05 S	4516.26 W	4518.01
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. Northings and Eastings are relative to Site.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 267.620° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.

Central meridian is -104.333°.

Grid Convergence at Surface is 0.233°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 13115.00ft., the Bottom Hole Displacement is 4518.31ft., in the Direction of 267.620° (Grid).