

INTREPID

Directional Services

30-015-41377

SM Energy

Eddy County, NM (NAD 83)
Sec 35, T19S, R29E
Parkway 35 Com #5H

Original Wellbore

Design: Original Wellbore

Survey Report - Geographic

16 July, 2013



Company:	SM Energy	Local Co-ordinate Reference:	Well Parkway 35 Com #5H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3344.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	MD Reference:	WELL @ 3344.0usft (Original Well Elev)
Well:	Parkway 35 Com #5H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Project	Eddy County, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 35, T19S, R29E		
Site Position:		Northing:	0.00 usft
From:	Map	Easting:	0.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	30° 59' 18.404 N
		Longitude:	106° 3' 38.987 W
		Grid Convergence:	-0.89 °

Well	Parkway 35 Com #5H		
Well Position	+N-S	0.0 usft	Northing: 586,257.00 usft
	+E-W	0.0 usft	Easting: 627,283.90 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,344.0 usft
		Latitude:	32° 36' 40.902 N
		Longitude:	104° 3' 15.151 W
		Ground Level:	3,326.0 usft

Wellbore	Original Wellbore		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	5/30/2013	7.60
			Dip Angle
			60.41
			Field Strength
			48,601

Design	Original Wellbore		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			90.10

Survey Program	Date	7/16/2013		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
407.0	1,443.0	Nabors M09 Survey (Original Wellbore)	MWD	MWD - Standard
1,528.0	11,963.0	MWD Survey (Original Wellbore)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	586,257.00	627,283.90	32° 36' 40.902 N	104° 3' 15.151 W
407.0	1.20	215.70	407.0	-3.5	-2.5	586,253.54	627,281.42	32° 36' 40.868 N	104° 3' 15.181 W
First Nabors Survey									
468.0	1.30	136.70	468.0	-4.5	-2.4	586,252.52	627,281.52	32° 36' 40.858 N	104° 3' 15.179 W
522.0	0.70	145.70	522.0	-5.2	-1.8	586,251.80	627,282.12	32° 36' 40.851 N	104° 3' 15.172 W
545.0	1.10	104.00	544.9	-5.4	-1.5	586,251.63	627,282.42	32° 36' 40.849 N	104° 3' 15.169 W
649.0	0.70	106.00	648.9	-5.8	0.1	586,251.22	627,284.00	32° 36' 40.845 N	104° 3' 15.150 W
745.0	1.50	78.70	744.9	-5.7	1.9	586,251.30	627,285.79	32° 36' 40.846 N	104° 3' 15.129 W
837.0	1.90	61.70	836.9	-4.7	4.4	586,252.26	627,288.32	32° 36' 40.855 N	104° 3' 15.100 W
935.0	2.00	75.70	934.8	-3.6	7.5	586,253.45	627,291.40	32° 36' 40.867 N	104° 3' 15.064 W
1,029.0	2.10	70.70	1,028.8	-2.6	10.7	586,254.43	627,294.62	32° 36' 40.876 N	104° 3' 15.026 W

Company:	SM Energy	Local Co-ordinate Reference:	Well Parkway 35 Corn #5H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3344.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	MD Reference:	WELL @ 3344.0usft (Original Well Elev)
Well:	Parkway 35 Corn #5H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,080.0	2.00	76.70	1,079.7	-2.1	12.5	586,254.94	627,296.37	32° 36' 40.881 N	104° 3' 15.006 W
1,127.0	2.00	63.70	1,126.7	-1.5	14.0	586,255.49	627,297.90	32° 36' 40.887 N	104° 3' 14.988 W
1,222.0	1.50	53.70	1,221.7	0.0	16.5	586,256.96	627,300.39	32° 36' 40.901 N	104° 3' 14.959 W
1,318.0	1.30	56.70	1,317.6	1.3	18.4	586,258.30	627,302.31	32° 36' 40.915 N	104° 3' 14.936 W
1,413.0	0.80	86.70	1,412.6	1.9	20.0	586,258.93	627,303.87	32° 36' 40.921 N	104° 3' 14.918 W
1,443.0	0.60	48.70	1,442.6	2.0	20.3	586,259.05	627,304.20	32° 36' 40.922 N	104° 3' 14.914 W
Last Nabors Survey									
1,528.0	0.60	111.60	1,527.6	2.2	21.0	586,259.18	627,304.95	32° 36' 40.923 N	104° 3' 14.905 W
First MWD Survey									
1,624.0	0.40	74.40	1,623.6	2.1	21.8	586,259.08	627,305.74	32° 36' 40.922 N	104° 3' 14.896 W
1,720.0	0.20	241.50	1,719.6	2.1	22.0	586,259.09	627,305.92	32° 36' 40.922 N	104° 3' 14.894 W
1,815.0	1.40	245.80	1,814.6	1.5	20.8	586,258.54	627,304.71	32° 36' 40.917 N	104° 3' 14.908 W
1,910.0	1.00	275.80	1,909.6	1.1	18.9	586,258.15	627,302.83	32° 36' 40.913 N	104° 3' 14.930 W
2,006.0	1.50	257.80	2,005.5	1.0	16.9	586,257.97	627,300.77	32° 36' 40.911 N	104° 3' 14.954 W
2,101.0	2.00	239.70	2,100.5	-0.1	14.2	586,256.87	627,298.12	32° 36' 40.901 N	104° 3' 14.985 W
2,197.0	1.50	249.90	2,196.5	-1.4	11.6	586,255.59	627,295.49	32° 36' 40.888 N	104° 3' 15.016 W
2,292.0	1.10	254.10	2,291.4	-2.1	9.5	586,254.91	627,293.45	32° 36' 40.881 N	104° 3' 15.040 W
2,388.0	1.30	267.50	2,387.4	-2.4	7.6	586,254.61	627,291.47	32° 36' 40.878 N	104° 3' 15.063 W
2,483.0	1.10	231.20	2,482.4	-3.0	5.8	586,254.00	627,289.69	32° 36' 40.872 N	104° 3' 15.084 W
2,578.0	1.10	239.90	2,577.4	-4.0	4.3	586,252.97	627,288.19	32° 36' 40.862 N	104° 3' 15.101 W
2,674.0	1.20	247.50	2,673.4	-4.9	2.6	586,252.12	627,286.46	32° 36' 40.854 N	104° 3' 15.122 W
2,769.0	0.70	266.90	2,768.3	-5.3	1.1	586,251.71	627,284.96	32° 36' 40.850 N	104° 3' 15.139 W
2,865.0	1.20	274.60	2,864.3	-5.2	-0.5	586,251.76	627,283.38	32° 36' 40.850 N	104° 3' 15.158 W
2,960.0	1.10	314.70	2,959.3	-4.5	-2.2	586,252.48	627,281.74	32° 36' 40.858 N	104° 3' 15.177 W
3,056.0	0.40	344.80	3,055.3	-3.6	-2.9	586,253.45	627,280.99	32° 36' 40.867 N	104° 3' 15.185 W
3,151.0	0.80	279.80	3,150.3	-3.1	-3.7	586,253.88	627,280.25	32° 36' 40.871 N	104° 3' 15.194 W
3,217.0	1.10	309.40	3,216.3	-2.6	-4.6	586,254.36	627,279.31	32° 36' 40.876 N	104° 3' 15.205 W
3,305.0	0.80	310.90	3,304.3	-1.7	-5.7	586,255.30	627,278.19	32° 36' 40.886 N	104° 3' 15.218 W
3,369.0	0.70	313.50	3,368.3	-1.1	-6.3	586,255.86	627,277.57	32° 36' 40.891 N	104° 3' 15.225 W
3,464.0	1.50	265.40	3,463.3	-0.8	-8.0	586,256.16	627,275.91	32° 36' 40.894 N	104° 3' 15.245 W
3,559.0	1.40	266.70	3,558.2	-1.0	-10.4	586,256.00	627,273.51	32° 36' 40.893 N	104° 3' 15.273 W
3,655.0	1.10	267.70	3,654.2	-1.1	-12.5	586,255.89	627,271.42	32° 36' 40.892 N	104° 3' 15.297 W
3,749.0	1.20	261.60	3,748.2	-1.3	-14.4	586,255.71	627,269.55	32° 36' 40.890 N	104° 3' 15.319 W
3,845.0	1.10	259.50	3,844.2	-1.6	-16.3	586,255.40	627,267.65	32° 36' 40.887 N	104° 3' 15.341 W
3,940.0	0.90	259.60	3,939.2	-1.9	-17.9	586,255.10	627,266.01	32° 36' 40.884 N	104° 3' 15.361 W
4,036.0	0.40	268.80	4,035.1	-2.1	-19.0	586,254.95	627,264.94	32° 36' 40.882 N	104° 3' 15.373 W
4,131.0	0.20	266.00	4,130.1	-2.1	-19.5	586,254.93	627,264.44	32° 36' 40.882 N	104° 3' 15.379 W
4,227.0	0.70	232.50	4,226.1	-2.4	-20.1	586,254.57	627,263.81	32° 36' 40.879 N	104° 3' 15.386 W
4,322.0	0.70	232.10	4,321.1	-3.1	-21.0	586,253.86	627,262.89	32° 36' 40.872 N	104° 3' 15.397 W
4,418.0	0.30	227.30	4,417.1	-3.7	-21.7	586,253.33	627,262.24	32° 36' 40.866 N	104° 3' 15.405 W
4,513.0	0.40	264.90	4,512.1	-3.9	-22.2	586,253.13	627,261.73	32° 36' 40.864 N	104° 3' 15.411 W
4,609.0	0.40	290.60	4,608.1	-3.8	-22.8	586,253.22	627,261.08	32° 36' 40.865 N	104° 3' 15.418 W
4,704.0	1.20	293.60	4,703.1	-3.3	-24.0	586,253.73	627,259.86	32° 36' 40.870 N	104° 3' 15.433 W
4,799.0	1.50	289.70	4,798.1	-2.5	-26.1	586,254.55	627,257.78	32° 36' 40.879 N	104° 3' 15.457 W
4,895.0	1.50	290.20	4,894.1	-1.6	-28.5	586,255.40	627,255.42	32° 36' 40.887 N	104° 3' 15.484 W
4,990.0	2.20	279.90	4,989.0	-0.9	-31.5	586,256.15	627,252.45	32° 36' 40.895 N	104° 3' 15.519 W
5,086.0	2.10	262.80	5,084.9	-0.8	-35.0	586,256.24	627,248.89	32° 36' 40.896 N	104° 3' 15.561 W
5,181.0	2.10	260.60	5,179.9	-1.3	-38.5	586,255.74	627,245.45	32° 36' 40.891 N	104° 3' 15.601 W
5,276.0	1.80	262.90	5,274.8	-1.7	-41.7	586,255.27	627,242.25	32° 36' 40.886 N	104° 3' 15.638 W
5,372.0	1.80	229.10	5,370.8	-2.9	-44.3	586,254.10	627,239.61	32° 36' 40.875 N	104° 3' 15.669 W
5,467.0	1.60	228.60	5,465.7	-4.8	-46.4	586,252.25	627,237.49	32° 36' 40.856 N	104° 3' 15.694 W
5,563.0	1.50	229.50	5,561.7	-6.5	-48.4	586,250.54	627,235.53	32° 36' 40.840 N	104° 3' 15.717 W
5,658.0	1.60	231.20	5,656.7	-8.1	-50.4	586,248.90	627,233.55	32° 36' 40.823 N	104° 3' 15.740 W
5,754.0	1.50	235.40	5,752.6	-9.7	-52.4	586,247.35	627,231.47	32° 36' 40.808 N	104° 3' 15.765 W
5,849.0	1.40	241.60	5,847.6	-10.9	-54.5	586,246.09	627,229.43	32° 36' 40.796 N	104° 3' 15.789 W

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Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,944.0	1.30	259.50	5,942.6	-11.7	-56.6	586,245.34	627,227.35	32° 36' 40.788 N	104° 3' 15.813 W	
6,040.0	1.20	266.10	6,038.5	-11.9	-58.6	586,245.08	627,225.28	32° 36' 40.786 N	104° 3' 15.837 W	
6,135.0	1.20	274.10	6,133.5	-11.9	-60.6	586,245.08	627,223.29	32° 36' 40.786 N	104° 3' 15.860 W	
6,231.0	0.70	289.10	6,229.5	-11.7	-62.2	586,245.35	627,221.73	32° 36' 40.788 N	104° 3' 15.879 W	
6,326.0	0.80	290.60	6,324.5	-11.2	-63.3	586,245.77	627,220.56	32° 36' 40.793 N	104° 3' 15.892 W	
6,422.0	0.60	245.10	6,420.5	-11.2	-64.4	586,245.79	627,219.48	32° 36' 40.793 N	104° 3' 15.905 W	
6,550.0	0.60	173.30	6,548.5	-12.2	-65.0	586,244.84	627,218.95	32° 36' 40.784 N	104° 3' 15.911 W	
6,582.0	1.50	107.90	6,580.5	-12.5	-64.5	586,244.55	627,219.37	32° 36' 40.781 N	104° 3' 15.906 W	
6,614.0	4.10	98.00	6,612.4	-12.7	-63.0	586,244.26	627,220.90	32° 36' 40.778 N	104° 3' 15.888 W	
6,645.0	6.40	98.70	6,643.3	-13.2	-60.2	586,243.85	627,223.71	32° 36' 40.774 N	104° 3' 15.856 W	
6,677.0	8.50	93.90	6,675.0	-13.6	-56.1	586,243.42	627,227.83	32° 36' 40.769 N	104° 3' 15.807 W	
6,709.0	10.50	96.40	6,706.6	-14.1	-50.8	586,242.93	627,233.09	32° 36' 40.764 N	104° 3' 15.746 W	
6,741.0	14.00	97.80	6,737.9	-14.9	-44.1	586,242.08	627,239.82	32° 36' 40.756 N	104° 3' 15.667 W	
6,773.0	17.50	97.80	6,768.7	-16.1	-35.5	586,240.90	627,248.43	32° 36' 40.744 N	104° 3' 15.567 W	
6,805.0	21.40	98.10	6,798.8	-17.6	-24.9	586,239.42	627,258.98	32° 36' 40.729 N	104° 3' 15.443 W	
6,836.0	25.30	96.90	6,827.3	-19.2	-12.7	586,237.83	627,271.16	32° 36' 40.713 N	104° 3' 15.301 W	
6,868.0	29.00	95.00	6,855.8	-20.7	1.8	586,236.33	627,285.68	32° 36' 40.698 N	104° 3' 15.131 W	
6,900.0	32.40	93.10	6,883.3	-21.8	18.1	586,235.19	627,301.97	32° 36' 40.686 N	104° 3' 14.941 W	
6,932.0	34.00	91.30	6,910.0	-22.5	35.6	586,234.53	627,319.48	32° 36' 40.679 N	104° 3' 14.736 W	
6,963.0	35.60	91.10	6,935.5	-22.8	53.3	586,234.16	627,337.17	32° 36' 40.675 N	104° 3' 14.529 W	
6,995.0	37.20	91.00	6,961.3	-23.2	72.2	586,233.81	627,356.15	32° 36' 40.671 N	104° 3' 14.307 W	
7,027.0	38.90	91.50	6,986.5	-23.6	92.0	586,233.38	627,375.87	32° 36' 40.666 N	104° 3' 14.077 W	
7,059.0	41.00	91.80	7,011.0	-24.2	112.5	586,232.78	627,396.41	32° 36' 40.660 N	104° 3' 13.837 W	
7,091.0	43.30	91.50	7,034.7	-24.8	134.0	586,232.17	627,417.87	32° 36' 40.653 N	104° 3' 13.586 W	
7,122.0	47.30	91.20	7,056.5	-25.4	156.0	586,231.65	627,439.90	32° 36' 40.647 N	104° 3' 13.328 W	
7,154.0	51.30	91.40	7,077.4	-25.9	180.2	586,231.10	627,464.14	32° 36' 40.641 N	104° 3' 13.045 W	
7,186.0	54.40	91.50	7,096.7	-26.6	205.7	586,230.45	627,489.64	32° 36' 40.634 N	104° 3' 12.747 W	
7,218.0	56.90	90.90	7,114.8	-27.1	232.1	586,229.90	627,516.05	32° 36' 40.628 N	104° 3' 12.438 W	
7,250.0	59.40	90.60	7,131.6	-27.5	259.3	586,229.55	627,543.23	32° 36' 40.624 N	104° 3' 12.120 W	
7,282.0	62.20	90.20	7,147.2	-27.7	287.3	586,229.35	627,571.16	32° 36' 40.621 N	104° 3' 11.794 W	
7,314.0	64.90	90.70	7,161.5	-27.9	315.9	586,229.13	627,599.80	32° 36' 40.618 N	104° 3' 11.459 W	
7,346.0	68.00	91.50	7,174.3	-28.4	345.2	586,228.56	627,629.13	32° 36' 40.612 N	104° 3' 11.116 W	
7,378.0	72.70	91.60	7,185.0	-29.3	375.3	586,227.75	627,659.25	32° 36' 40.603 N	104° 3' 10.764 W	
7,410.0	78.50	91.50	7,193.0	-30.1	406.3	586,226.91	627,690.22	32° 36' 40.594 N	104° 3' 10.402 W	
7,501.0	87.30	89.40	7,204.2	-30.8	496.5	586,226.22	627,780.42	32° 36' 40.585 N	104° 3' 9.347 W	
7,596.0	88.90	89.50	7,207.4	-29.9	591.5	586,227.13	627,875.36	32° 36' 40.591 N	104° 3' 8.237 W	
7,690.0	88.70	89.50	7,209.3	-29.1	685.4	586,227.95	627,969.34	32° 36' 40.597 N	104° 3' 7.139 W	
7,785.0	88.70	89.50	7,211.5	-28.2	780.4	586,228.78	628,064.31	32° 36' 40.603 N	104° 3' 6.028 W	
7,880.0	88.90	89.60	7,213.5	-27.5	875.4	586,229.52	628,159.29	32° 36' 40.607 N	104° 3' 4.918 W	
7,975.0	89.20	89.50	7,215.1	-26.7	970.4	586,230.27	628,254.27	32° 36' 40.612 N	104° 3' 3.807 W	
8,070.0	89.30	88.90	7,216.3	-25.4	1,065.3	586,231.59	628,349.25	32° 36' 40.623 N	104° 3' 2.697 W	
8,164.0	87.30	88.80	7,219.1	-23.5	1,159.3	586,233.48	628,443.19	32° 36' 40.639 N	104° 3' 1.598 W	
8,259.0	87.70	88.70	7,223.2	-21.5	1,254.2	586,235.55	628,538.07	32° 36' 40.657 N	104° 3' 0.489 W	
8,353.0	89.30	89.00	7,225.7	-19.6	1,348.1	586,237.44	628,632.02	32° 36' 40.673 N	104° 2' 59.391 W	
8,449.0	88.40	90.20	7,227.6	-18.9	1,444.1	586,238.11	628,728.00	32° 36' 40.677 N	104° 2' 58.268 W	
8,543.0	88.70	90.20	7,230.0	-19.2	1,538.1	586,237.78	628,821.97	32° 36' 40.672 N	104° 2' 57.170 W	
8,638.0	89.70	90.60	7,231.3	-19.9	1,633.0	586,237.11	628,916.95	32° 36' 40.663 N	104° 2' 56.059 W	
8,733.0	88.90	90.20	7,232.5	-20.6	1,728.0	586,236.45	629,011.94	32° 36' 40.654 N	104° 2' 54.949 W	
8,828.0	88.10	91.10	7,235.0	-21.6	1,823.0	586,235.37	629,106.90	32° 36' 40.640 N	104° 2' 53.839 W	
8,923.0	87.30	91.40	7,238.8	-23.7	1,917.9	586,233.30	629,201.80	32° 36' 40.617 N	104° 2' 52.729 W	
9,018.0	87.70	91.70	7,242.9	-26.3	2,012.8	586,230.74	629,296.68	32° 36' 40.589 N	104° 2' 51.620 W	
9,113.0	87.40	92.40	7,247.0	-29.7	2,107.6	586,227.34	629,391.53	32° 36' 40.553 N	104° 2' 50.511 W	
9,208.0	88.20	92.40	7,250.6	-33.6	2,202.5	586,223.37	629,486.37	32° 36' 40.511 N	104° 2' 49.402 W	
9,303.0	86.90	91.00	7,254.7	-36.5	2,297.3	586,220.55	629,581.24	32° 36' 40.481 N	104° 2' 48.293 W	
9,398.0	87.20	91.20	7,259.6	-38.3	2,392.2	586,218.73	629,676.10	32° 36' 40.460 N	104° 2' 47.184 W	

Company:	SM Energy	Local Co-ordinate Reference:	Well Parkway 35 Com #5H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3344.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	MD Reference:	WELL @ 3344.0usft (Original Well Elev)
Well:	Parkway 35 Com #5H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,492.0	88.80	92.40	7,262.9	-41.2	2,486.1	586,215.78	629,769.99	32° 36' 40.429 N	104° 2' 46.087 W
9,587.0	85.50	89.20	7,267.6	-42.6	2,580.9	586,214.45	629,864.84	32° 36' 40.413 N	104° 2' 44.978 W
9,682.0	85.90	88.90	7,274.7	-41.0	2,675.7	586,216.02	629,959.56	32° 36' 40.426 N	104° 2' 43.870 W
9,777.0	85.10	89.00	7,282.2	-39.2	2,770.3	586,217.76	630,054.25	32° 36' 40.441 N	104° 2' 42.763 W
9,872.0	85.90	88.30	7,289.6	-37.0	2,865.0	586,219.99	630,148.93	32° 36' 40.460 N	104° 2' 41.656 W
9,967.0	88.10	88.60	7,294.6	-34.5	2,959.9	586,222.55	630,243.75	32° 36' 40.483 N	104° 2' 40.548 W
10,061.0	88.90	88.50	7,297.1	-32.1	3,053.8	586,224.93	630,337.69	32° 36' 40.504 N	104° 2' 39.449 W
10,156.0	89.20	87.80	7,298.6	-29.0	3,148.7	586,228.00	630,432.63	32° 36' 40.532 N	104° 2' 38.339 W
10,250.0	89.80	89.10	7,299.5	-26.5	3,242.7	586,230.54	630,526.59	32° 36' 40.555 N	104° 2' 37.241 W
10,345.0	88.30	87.00	7,301.0	-23.2	3,337.6	586,233.77	630,621.51	32° 36' 40.584 N	104° 2' 36.131 W
10,440.0	88.60	88.60	7,303.6	-19.6	3,432.5	586,237.42	630,716.40	32° 36' 40.617 N	104° 2' 35.021 W
10,535.0	89.30	89.40	7,305.3	-17.9	3,527.5	586,239.07	630,811.37	32° 36' 40.631 N	104° 2' 33.911 W
10,629.0	89.90	90.10	7,306.0	-17.5	3,621.5	586,239.48	630,905.37	32° 36' 40.633 N	104° 2' 32.812 W
10,724.0	89.70	91.10	7,306.3	-18.5	3,716.5	586,238.49	631,000.36	32° 36' 40.620 N	104° 2' 31.701 W
10,818.0	88.00	90.90	7,308.2	-20.2	3,810.4	586,236.85	631,094.32	32° 36' 40.602 N	104° 2' 30.603 W
10,913.0	88.30	91.00	7,311.3	-21.7	3,905.4	586,235.27	631,189.26	32° 36' 40.583 N	104° 2' 29.493 W
11,007.0	85.80	90.50	7,316.1	-23.0	3,999.2	586,234.05	631,283.12	32° 36' 40.569 N	104° 2' 28.395 W
11,102.0	86.20	90.50	7,322.8	-23.8	4,094.0	586,233.22	631,377.89	32° 36' 40.558 N	104° 2' 27.288 W
11,196.0	87.50	90.20	7,327.9	-24.4	4,187.8	586,232.65	631,471.74	32° 36' 40.550 N	104° 2' 26.190 W
11,291.0	87.80	88.00	7,331.8	-22.9	4,282.7	586,234.14	631,566.64	32° 36' 40.562 N	104° 2' 25.081 W
11,386.0	89.30	91.00	7,334.2	-22.0	4,377.7	586,234.96	631,661.59	32° 36' 40.568 N	104° 2' 23.971 W
11,481.0	90.30	90.70	7,334.6	-23.4	4,472.7	586,233.55	631,756.58	32° 36' 40.551 N	104° 2' 22.860 W
11,575.0	91.60	90.90	7,333.0	-24.8	4,566.7	586,232.24	631,850.56	32° 36' 40.535 N	104° 2' 21.761 W
11,669.0	92.70	90.90	7,329.5	-26.2	4,660.6	586,230.77	631,944.48	32° 36' 40.518 N	104° 2' 20.663 W
11,764.0	92.70	89.70	7,325.0	-26.7	4,755.5	586,230.27	632,039.37	32° 36' 40.511 N	104° 2' 19.554 W
11,859.0	91.50	90.20	7,321.5	-26.7	4,850.4	586,230.35	632,134.30	32° 36' 40.509 N	104° 2' 18.444 W
Last MWD Survey									
11,963.0	91.50	90.20	7,318.8	-27.0	4,954.4	586,229.99	632,238.27	32° 36' 40.502 N	104° 2' 17.229 W
PTB - TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
407.0	407.0	-3.5	-2.5	First Nabors Survey
1,443.0	1,442.6	2.0	20.3	Last Nabors Survey
1,528.0	1,527.6	2.2	21.0	First MWD Survey
11,859.0	7,321.5	-26.7	4,850.4	Last MWD Survey
11,963.0	7,318.8	-27.0	4,954.4	PTB - TD

Checked By: _____ Approved By: _____ Date: _____