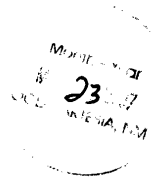


30 - 005 - 63925
Parallel Petroleum Corp.

Chaves County, NM

Sec 16 T-15S R-25E

All Along 1525-17 Fed Com #1



Wellbore #1

Survey: Surveys #1

Sperry Drilling Services Combo Report

21 May, 2007

Well Coordinates: 732,270.70 N, 462,561.60 E (33° 00' 46.87" N, 104° 27' 19.68" W)
Ground Level: 3,501.00 ft

Local Coordinate Origin:	Centered on Well All Along 1525-17 Fed Com #1
Viewing Datum:	WELL @ 3514.00ft (Original Well Elev)
TVDs to System:	N
North Reference:	Grid
Unit System:	api us survey ft 2

Version: 2003.16 Build: 42B

HALLIBURTON

HALLIBURTON**Survey Report for All Along 1525-17 Fed Com #1 - Surveys #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
0.00	0.00	0.00	3,514.00	0.00	0.00 N	0.00 E	732,270.70	462,561.60	0.00	0.00	
100.00	0.30	117.63	3,414.00	100.00	0.12 S	0.23 E	732,270.58	462,561.83	0.30	-0.23	
200.00	0.42	122.18	3,314.00	200.00	0.44 S	0.77 E	732,270.26	462,562.37	0.12	-0.77	
300.00	0.43	116.54	3,214.01	299.99	0.80 S	1.42 E	732,269.90	462,563.02	0.04	-1.42	
400.00	0.43	137.32	3,114.01	399.99	1.24 S	2.01 E	732,269.46	462,563.61	0.16	-2.00	
500.00	0.35	145.96	3,014.01	499.99	1.77 S	2.44 E	732,268.93	462,564.04	0.10	-2.43	
600.00	0.38	187.47	2,914.01	599.99	2.36 S	2.56 E	732,268.34	462,564.16	0.26	-2.55	
700.00	0.68	206.67	2,814.02	699.98	3.21 S	2.25 E	732,267.49	462,563.85	0.34	-2.24	
800.00	0.93	212.37	2,714.03	799.97	4.43 S	1.55 E	732,266.27	462,563.15	0.26	-1.53	
900.00	0.91	199.64	2,614.04	899.96	5.86 S	0.85 E	732,264.84	462,562.45	0.20	-0.83	
1,000.00	0.81	164.45	2,514.05	999.95	7.29 S	0.77 E	732,263.41	462,562.37	0.53	-0.74	
1,100.00	0.62	168.16	2,414.06	1,099.94	8.50 S	1.07 E	732,262.20	462,562.67	0.20	-1.04	
1,200.00	0.43	207.43	2,314.06	1,199.94	9.37 S	1.01 E	732,261.33	462,562.61	0.40	-0.97	
1,300.00	0.87	242.37	2,214.07	1,299.93	10.05 S	0.17 E	732,260.65	462,561.77	0.57	-0.12	
1,400.00	1.24	219.30	2,114.08	1,399.92	11.24 S	1.19 W	732,259.46	462,560.41	0.56	1.24	
1,500.00	0.86	189.15	2,014.10	1,499.90	12.82 S	2.00 W	732,257.88	462,559.60	0.66	2.05	
1,600.00	0.81	190.89	1,914.11	1,599.89	14.25 S	2.25 W	732,256.45	462,559.35	0.06	2.31	
1,700.00	0.74	199.00	1,814.12	1,699.88	15.56 S	2.59 W	732,255.14	462,559.01	0.13	2.66	
1,800.00	0.44	207.03	1,714.13	1,799.87	16.51 S	2.98 W	732,254.19	462,558.62	0.31	3.05	
1,900.00	0.20	174.11	1,614.13	1,899.87	17.03 S	3.13 W	732,253.67	462,558.47	0.29	3.21	
2,000.00	0.26	116.65	1,514.13	1,999.87	17.30 S	2.91 W	732,253.40	462,558.69	0.23	2.99	
2,100.00	0.73	114.51	1,414.13	2,099.87	17.67 S	2.13 W	732,253.03	462,559.47	0.47	2.21	
2,200.00	0.76	107.85	1,314.14	2,199.86	18.14 S	0.92 W	732,252.56	462,560.68	0.09	1.00	
2,300.00	0.57	61.98	1,214.15	2,299.85	18.10 S	0.15 E	732,252.60	462,561.75	0.55	-0.07	
2,400.00	0.50	45.49	1,114.15	2,399.85	17.57 S	0.90 E	732,253.13	462,562.50	0.17	-0.82	
2,500.00	0.26	358.51	1,014.15	2,499.85	17.03 S	1.21 E	732,253.67	462,562.81	0.37	-1.13	
2,600.00	0.42	288.82	914.15	2,599.85	16.69 S	0.85 E	732,254.01	462,562.45	0.41	-0.78	
2,700.00	0.38	267.68	814.16	2,699.84	16.58 S	0.18 E	732,254.12	462,561.78	0.15	-0.10	
2,800.00	0.32	220.30	714.16	2,799.84	16.81 S	0.34 W	732,253.89	462,561.26	0.29	0.41	
2,900.00	0.06	220.45	614.16	2,899.84	17.06 S	0.55 W	732,253.64	462,561.05	0.26	0.63	
3,000.00	0.12	277.56	514.16	2,999.84	17.09 S	0.69 W	732,253.61	462,560.91	0.10	0.76	
3,100.00	0.13	190.50	414.16	3,099.84	17.19 S	0.81 W	732,253.51	462,560.79	0.17	0.89	
3,200.00	0.07	217.64	314.16	3,199.84	17.35 S	0.87 W	732,253.35	462,560.73	0.07	0.95	
3,300.00	0.30	222.20	214.16	3,299.84	17.59 S	1.08 W	732,253.11	462,560.52	0.23	1.16	
3,324.80	0.30	222.34	189.36	3,324.64	17.68 S	1.17 W	732,253.02	462,560.43	0.00	1.25	Last Gyro
3,520.00	0.25	140.26	-5.84	3,519.84	18.39 S	1.24 W	732,252.31	462,560.36	0.19	1.32	
3,711.00	0.72	66.25	-196.83	3,710.83	18.23 S	0.12 E	732,252.47	462,561.72	0.36	-0.04	
3,870.00	1.48	68.05	-355.80	3,869.80	17.06 S	2.94 E	732,253.64	462,564.54	0.48	-2.87	
3,895.00	2.01	74.53	-380.79	3,894.79	16.82 S	3.66 E	732,253.88	462,565.26	2.26	-3.59	
3,927.00	2.20	75.11	-412.77	3,926.77	16.51 S	4.80 E	732,254.19	462,566.40	0.60	-4.72	

HALLIBURTON**Survey Report for All Along 1525-17 Fed Com #1 - Surveys #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
3,959.00	2.02	71.93	-444.75	3,958.75	16.18 S	5.93 E	732,254.52	462,567.53	0.67	-5.86	
3,991.00	1.05	66.40	-476.73	3,990.73	15.89 S	6.73 E	732,254.81	462,568.33	3.06	-6.66	
4,023.00	0.79	306.60	-508.73	4,022.73	15.64 S	6.82 E	732,255.06	462,568.42	4.99	-6.75	
4,054.00	2.00	288.85	-539.72	4,053.72	15.33 S	6.14 E	732,255.37	462,567.74	4.10	-6.07	
4,086.00	4.10	283.09	-571.68	4,085.68	14.90 S	4.50 E	732,255.80	462,566.10	6.62	-4.43	
4,118.00	5.37	278.72	-603.57	4,117.57	14.41 S	1.90 E	732,256.29	462,563.50	4.12	-1.84	
4,149.90	6.48	278.80	-635.29	4,149.29	13.91 S	1.35 W	732,256.79	462,560.25	3.48	1.41	
4,181.70	7.64	279.71	-666.85	4,180.85	13.28 S	5.21 W	732,257.42	462,556.39	3.66	5.27	
4,213.60	9.42	280.16	-698.40	4,212.40	12.46 S	9.87 W	732,258.24	462,551.73	5.58	9.92	
4,245.20	12.05	279.09	-729.44	4,243.44	11.48 S	15.67 W	732,259.22	462,545.93	8.35	15.72	
4,277.10	15.05	276.31	-760.45	4,274.45	10.50 S	23.08 W	732,260.20	462,538.52	9.62	23.13	
4,309.00	18.34	273.67	-791.00	4,305.00	9.72 S	32.21 W	732,260.98	462,529.39	10.58	32.25	
4,340.80	21.22	272.00	-820.92	4,334.92	9.20 S	42.95 W	732,261.50	462,518.65	9.23	42.99	
4,372.40	24.09	270.43	-850.08	4,364.08	8.95 S	55.12 W	732,261.75	462,506.48	9.28	55.16	
4,404.30	26.96	268.95	-878.87	4,392.87	9.04 S	68.86 W	732,261.66	462,492.74	9.22	68.90	
4,436.10	29.27	266.88	-906.91	4,420.91	9.59 S	83.84 W	732,261.11	462,477.76	7.88	83.88	
4,468.00	31.61	266.35	-934.42	4,448.42	10.55 S	99.97 W	732,260.15	462,461.63	7.38	100.01	
4,499.00	33.39	266.60	-960.56	4,474.56	11.57 S	116.59 W	732,259.13	462,445.01	5.76	116.64	
4,531.00	36.36	268.63	-986.81	4,500.81	12.32 S	134.87 W	732,258.38	462,426.73	9.96	134.92	
4,563.00	38.50	269.69	-1,012.22	4,526.22	12.60 S	154.32 W	732,258.10	462,407.28	6.98	154.37	
4,595.00	41.07	271.20	-1,036.81	4,550.81	12.44 S	174.79 W	732,258.26	462,386.81	8.58	174.84	
4,627.00	41.92	272.10	-1,060.78	4,574.78	11.82 S	195.98 W	732,258.88	462,365.62	3.24	196.03	
4,658.00	43.68	273.01	-1,083.52	4,597.52	10.88 S	217.02 W	732,259.82	462,344.58	6.02	217.07	
4,690.60	45.52	273.65	-1,106.73	4,620.73	9.55 S	239.87 W	732,261.15	462,321.73	5.81	239.91	
4,722.40	47.87	272.92	-1,128.54	4,642.54	8.23 S	262.97 W	732,262.47	462,298.63	7.58	263.01	
4,754.30	50.63	272.42	-1,149.36	4,663.36	7.10 S	287.11 W	732,263.60	462,274.49	8.73	287.14	
4,786.20	52.97	272.02	-1,169.09	4,683.09	6.13 S	312.16 W	732,264.57	462,249.44	7.40	312.18	
4,818.10	56.38	272.06	-1,187.53	4,701.53	5.21 S	338.17 W	732,265.49	462,223.43	10.69	338.18	
4,849.70	58.67	270.70	-1,204.50	4,718.50	4.57 S	364.81 W	732,266.13	462,196.79	8.11	364.83	
4,881.60	61.33	269.86	-1,220.45	4,734.45	4.44 S	392.44 W	732,266.26	462,169.16	8.64	392.45	
4,913.50	63.74	268.91	-1,235.16	4,749.16	4.74 S	420.74 W	732,265.96	462,140.86	8.00	420.75	
4,945.20	66.40	268.36	-1,248.52	4,762.52	5.43 S	449.47 W	732,265.27	462,112.13	8.54	449.49	
4,976.90	68.20	267.49	-1,260.75	4,774.75	6.49 S	478.70 W	732,264.21	462,082.90	6.22	478.72	
5,008.50	70.02	267.53	-1,272.02	4,786.02	7.77 S	508.19 W	732,262.93	462,053.41	5.76	508.22	
5,040.40	71.94	266.74	-1,282.42	4,796.42	9.28 S	538.31 W	732,261.42	462,023.29	6.46	538.34	
5,072.20	74.52	266.36	-1,291.59	4,805.59	11.11 S	568.70 W	732,259.59	461,992.90	8.19	568.74	
5,104.00	76.81	265.90	-1,299.46	4,813.46	13.19 S	599.44 W	732,257.51	461,962.16	7.34	599.49	
5,136.00	78.61	265.88	-1,306.27	4,820.27	15.44 S	630.62 W	732,255.26	461,930.98	5.63	630.68	
5,167.80	79.79	266.48	-1,312.23	4,826.23	17.52 S	661.79 W	732,253.18	461,899.81	4.15	661.86	

HALLIBURTON**Survey Report for All Along 1525-17 Fed Com #1 - Surveys #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
5,199.80	81.83	266.67	-1,317.34	4,831.34	19.40 S	693.32 W	732,251.30	461,868.28	6.40	693.40	
5,231.60	84.25	265.82	-1,321.20	4,835.20	21.47 S	724.81 W	732,249.23	461,836.79	8.06	724.90	
5,263.50	87.84	266.24	-1,323.40	4,837.40	23.67 S	756.56 W	732,247.03	461,805.04	11.33	756.65	
5,295.10	89.97	267.01	-1,324.00	4,838.00	25.53 S	788.09 W	732,245.17	461,773.51	7.17	788.20	
5,326.90	90.89	268.59	-1,323.76	4,837.76	26.75 S	819.87 W	732,243.95	461,741.73	5.75	819.98	
5,358.80	91.43	269.47	-1,323.12	4,837.12	27.29 S	851.76 W	732,243.41	461,709.84	3.24	851.87	
5,380.00	91.61	269.37	-1,322.55	4,836.55	27.51 S	872.95 W	732,243.19	461,688.65	0.97	873.06	
5,422.40	92.37	269.37	-1,321.08	4,835.08	27.97 S	915.32 W	732,242.73	461,646.28	1.79	915.43	
5,454.20	92.65	270.34	-1,319.69	4,833.69	28.05 S	947.09 W	732,242.65	461,614.51	3.17	947.20	
5,485.80	93.77	271.50	-1,317.92	4,831.92	27.55 S	978.63 W	732,243.15	461,582.97	5.10	978.74	
5,517.70	93.83	272.01	-1,315.81	4,829.81	26.57 S	1,010.45 W	732,244.13	461,551.15	1.61	1,010.55	
5,549.60	93.52	271.86	-1,313.76	4,827.76	25.50 S	1,042.26 W	732,245.20	461,519.34	1.08	1,042.37	
5,581.40	93.46	271.73	-1,311.82	4,825.82	24.50 S	1,073.99 W	732,246.20	461,487.61	0.45	1,074.09	
5,645.30	93.34	271.81	-1,308.04	4,822.04	22.53 S	1,137.75 W	732,248.17	461,423.85	0.23	1,137.83	
5,677.10	92.34	272.07	-1,306.46	4,820.46	21.46 S	1,169.49 W	732,249.24	461,392.11	3.25	1,169.57	
5,741.00	91.85	272.88	-1,304.12	4,818.12	18.70 S	1,233.29 W	732,252.00	461,328.31	1.48	1,233.36	
5,802.70	90.77	272.84	-1,302.71	4,816.71	15.62 S	1,294.89 W	732,255.08	461,266.71	1.75	1,294.95	
5,864.50	91.48	273.20	-1,301.50	4,815.50	12.37 S	1,356.59 W	732,258.33	461,205.01	1.29	1,356.64	
5,925.90	92.06	273.18	-1,299.60	4,813.60	8.95 S	1,417.87 W	732,261.75	461,143.73	0.95	1,417.90	
5,987.70	91.88	274.30	-1,297.48	4,811.48	4.92 S	1,479.50 W	732,265.78	461,082.10	1.83	1,479.51	
6,049.30	89.69	274.23	-1,296.63	4,810.63	0.34 S	1,540.92 W	732,270.36	461,020.68	3.56	1,540.91	
6,111.10	90.40	274.08	-1,296.59	4,810.59	4.13 N	1,602.56 W	732,274.83	460,959.04	1.17	1,602.52	
6,173.40	91.72	274.63	-1,295.43	4,809.43	8.86 N	1,664.67 W	732,279.56	460,896.93	2.30	1,664.61	
6,235.40	92.46	273.28	-1,293.17	4,807.17	13.14 N	1,726.47 W	732,283.84	460,835.13	2.48	1,726.40	
6,297.00	91.91	271.76	-1,290.82	4,804.82	15.84 N	1,787.97 W	732,286.54	460,773.63	2.62	1,787.88	
6,362.80	91.05	272.18	-1,289.12	4,803.12	18.10 N	1,853.71 W	732,288.80	460,707.89	1.45	1,853.61	
6,423.90	90.46	272.45	-1,288.32	4,802.32	20.57 N	1,914.75 W	732,291.27	460,646.85	1.06	1,914.64	
6,486.63	90.19	271.49	-1,287.96	4,801.96	22.73 N	1,977.44 W	732,293.43	460,584.16	1.59	1,977.32	
6,548.10	91.17	270.67	-1,287.23	4,801.23	23.89 N	2,038.90 W	732,294.59	460,522.70	2.08	2,038.77	
6,609.80	91.45	270.59	-1,285.82	4,799.82	24.57 N	2,100.58 W	732,295.27	460,461.02	0.47	2,100.45	
6,671.50	90.52	269.79	-1,284.76	4,798.76	24.77 N	2,162.27 W	732,295.47	460,399.33	1.99	2,162.14	
6,734.40	90.49	269.82	-1,284.21	4,798.21	24.56 N	2,225.16 W	732,295.26	460,336.44	0.07	2,225.03	
6,829.30	91.63	271.73	-1,282.45	4,796.45	25.84 N	2,320.03 W	732,296.54	460,241.57	2.34	2,319.90	
6,892.80	88.45	270.03	-1,282.41	4,796.41	26.81 N	2,383.51 W	732,297.51	460,178.09	5.68	2,383.37	
6,956.10	87.96	269.66	-1,284.39	4,798.39	26.64 N	2,446.78 W	732,297.34	460,114.82	0.97	2,446.64	
7,019.70	87.87	269.50	-1,286.70	4,800.70	26.18 N	2,510.34 W	732,296.88	460,051.26	0.29	2,510.20	
7,081.60	87.47	269.26	-1,289.22	4,803.22	25.51 N	2,572.18 W	732,296.21	459,989.42	0.75	2,572.05	
7,145.10	87.88	269.57	-1,291.80	4,805.80	24.86 N	2,635.63 W	732,295.56	459,925.97	0.81	2,635.49	
7,208.90	88.36	268.82	-1,293.89	4,807.89	23.96 N	2,699.39 W	732,294.66	459,862.21	1.40	2,699.26	

HALLIBURTON**Survey Report for All Along 1525-17 Fed Com #1 - Surveys #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)								
7,272.30	91.02	269.77	-1,294.23	4,808.23	23.18 N	2,762.77 W	732,293.88	459,798.83	4.46	2,762.65	
7,335.90	89.72	267.58	-1,293.82	4,807.82	21.71 N	2,826.35 W	732,292.41	459,735.25	4.00	2,826.23	
7,399.60	88.30	266.53	-1,294.92	4,808.92	18.44 N	2,889.95 W	732,289.14	459,671.65	2.77	2,889.85	
7,463.40	89.97	268.44	-1,295.89	4,809.89	15.64 N	2,953.68 W	732,286.34	459,607.92	3.98	2,953.58	
7,526.90	89.63	268.19	-1,296.11	4,810.11	13.78 N	3,017.15 W	732,284.48	459,544.45	0.66	3,017.06	
7,590.70	90.56	268.49	-1,296.00	4,810.00	11.93 N	3,080.93 W	732,282.63	459,480.67	1.53	3,080.84	
7,654.60	91.55	269.21	-1,294.83	4,808.83	10.64 N	3,144.80 W	732,281.34	459,416.80	1.92	3,144.72	
7,717.80	92.87	270.37	-1,292.39	4,806.39	10.41 N	3,207.95 W	732,281.11	459,353.65	2.78	3,207.87	
7,781.00	90.94	269.29	-1,290.29	4,804.29	10.23 N	3,271.11 W	732,280.93	459,290.49	3.50	3,271.04	
7,844.80	91.05	268.65	-1,289.18	4,803.18	9.08 N	3,334.89 W	732,279.78	459,226.71	1.02	3,334.82	
7,908.60	90.99	268.09	-1,288.04	4,802.04	7.26 N	3,398.65 W	732,277.96	459,162.95	0.88	3,398.59	
7,972.50	93.24	269.20	-1,285.69	4,799.69	5.75 N	3,462.49 W	732,276.45	459,099.11	3.93	3,462.43	
8,036.00	93.86	269.78	-1,281.75	4,795.75	5.19 N	3,525.86 W	732,275.89	459,035.74	1.34	3,525.81	
8,099.40	91.54	269.27	-1,278.77	4,792.77	4.66 N	3,589.19 W	732,275.36	458,972.41	3.75	3,589.13	
8,163.20	90.65	269.24	-1,277.55	4,791.55	3.84 N	3,652.97 W	732,274.54	458,908.63	1.40	3,652.92	
8,227.10	90.09	269.19	-1,277.14	4,791.14	2.96 N	3,716.86 W	732,273.66	458,844.74	0.88	3,716.81	
8,290.80	89.91	268.85	-1,277.14	4,791.14	1.87 N	3,780.55 W	732,272.57	458,781.05	0.60	3,780.51	
8,354.70	90.00	268.07	-1,277.19	4,791.19	0.15 N	3,844.43 W	732,270.85	458,717.17	1.23	3,844.39	
8,418.50	91.20	268.80	-1,276.52	4,790.52	1.59 S	3,908.20 W	732,269.11	458,653.40	2.20	3,908.17	
8,481.80	90.68	267.92	-1,275.48	4,789.48	3.40 S	3,971.46 W	732,267.30	458,590.14	1.61	3,971.44	
8,545.40	90.06	267.48	-1,275.07	4,789.07	5.95 S	4,035.01 W	732,264.75	458,526.59	1.20	4,035.00	
8,609.00	93.21	268.50	-1,273.25	4,787.25	8.18 S	4,098.54 W	732,262.52	458,463.06	5.21	4,098.53	
8,672.70	93.55	268.71	-1,269.50	4,783.50	9.73 S	4,162.11 W	732,260.97	458,399.49	0.63	4,162.11	
8,736.60	93.80	269.12	-1,265.40	4,779.40	10.94 S	4,225.86 W	732,259.76	458,335.74	0.75	4,225.87	
8,800.40	90.43	267.31	-1,263.05	4,777.05	12.93 S	4,289.58 W	732,257.77	458,272.02	5.99	4,289.59	
8,863.90	91.51	267.97	-1,261.97	4,775.97	15.54 S	4,353.01 W	732,255.16	458,208.59	1.99	4,353.04	
8,927.90	92.00	268.12	-1,260.01	4,774.01	17.72 S	4,416.95 W	732,252.98	458,144.65	0.80	4,416.98	
8,991.40	89.69	267.26	-1,259.08	4,773.08	20.28 S	4,480.38 W	732,250.42	458,081.22	3.88	4,480.43	
9,054.90	90.43	267.27	-1,259.01	4,773.01	23.31 S	4,543.81 W	732,247.39	458,017.79	1.17	4,543.87	
9,142.00	91.73	267.86	-1,257.37	4,771.37	27.01 S	4,630.81 W	732,243.69	457,930.79	1.64	4,630.89	Last MWD
9,205.00	91.73	267.86	-1,255.47	4,769.47	29.36 S	4,693.74 W	732,241.34	457,867.86	0.00	4,693.82	Projection to TD - PBHL (051607)

HALLIBURTON**Survey Report for All Along 1525-17 Fed Com #1 - Surveys #1****Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,324.80	3,324.64	-17.68	-1.17	Last Gyro
9,142.00	4,771.37	-27.01	-4,630.81	Last MWD
9,205.00	4,769.47	-29.36	-4,693.74	Projection to TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
User	No Target (Freehand)	269.75	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
100.00	9,205.00	Surveys #1	MWD

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL (051607)	0.00	0.00	4,777.20	-20.30	-4,743.70	732,250.40	457,817.90	33° 0' 46.606 N	04° 28' 15.388 W
- survey misses by 51.36ft at 9205.00ft MD (4769.47 TVD, -29.36 N, -4693.74 E)									
- Point									
LP (051607)	0.00	360.00	4,844.80	-20.26	-881.27	732,250.44	461,680.33	33° 0' 46.654 N	04° 27' 30.028 W
- survey misses by 11.22ft at 5387.95ft MD (4836.32 TVD, -27.60 N, -880.89 E)									
- Point									

North Reference Sheet for Sec 16 T-15S R-25E - All Along 1525-17 Fed Com #1 - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to WELL @ 3514.00ft (Original Well Elev). Northing and Easting are relative to All Along 1525-17 Fed Com #1

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 500,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991070

Grid Coordinates of Well: 732,270.70 ft N, 462,561.60 ft E

Geographical Coordinates of Well: 33° 00' 46.87" N, 104° 27' 19.68" W

Grid Convergence at Surface is: 0°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,205.00ft

the Bottom Hole Displacement is 4,693.83ft in the Direction of 269.64° (Grid).

Magnetic Convergence at surface is: -9° (10 May 2007, , BGGM2006)

