Cimarex Energy

Eddy County NAD 83
Sec 25-T24S-R25E
Ozley "25" Federal Com #1
Wellbore #1

Design: Wellbore #1

Sperry Drilling Services

Combo Report

05 June, 2006

Well Coordinates: 429,906.73 N, 538,856.67 E (32° 10' 54.81" N, 104° 20' 28.87" W)
Ground Level: 3,504.00 ft

Local Coordinate Origin:	Centered on Well Ozley "25" Federal Com #1
Viewing Datum:	WELL @ 3524.00ft (Original Well Elev)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 2003.14 Build: 82

HALLIBURTON

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
0.00	0.00	0.00	3,524.00	0.00	0.00 N	0.00 E	429,906.73	538,856.67	0.00	0.00	
100.00	0.53	272.21	3,424.00	100.00	0.02 N	0.46 W	429,906.74	538,856.20	0.53	0.39	
200.00	0.55	271.69	3,324.01	199.99	0.05 N	1.40 W	429,906.77	538,855.26	0.02	1.19	
300.00	0.92	288.31	3,224.01	299.99	0.32 N	2.65 W	429,907.04	538,854.02	0.42	2.37	
400.00	1.50	313.69	3,124.04	399.96	1.47 N	4.35 W	429,908.20	538,852.31	0.78	4.43	
500.00	2.30	329.74	3,024.09	499.91	4.11 N	6.31 W	429,910.83	538,850.35	0.95	7.53	
600.00	3.94	352.13	2,924.24	599.76	9.25 N	7.79 W	429,915.97	538,848.87	2.01	11.64	
700.00	5.08	2.75	2,824.55	699.45	17.07 N	8.05 W	429,923.80	538,848.61	1.41	16.25	
800.00	4.60	0.94	2,724.91	799.09	25.50 N	7.77 W	429,932.23	538,848.89	0.50	20.75	
900.00	3.97	355.18	2,625.19	898.81	32.96 N	8.00 W	429,939.69	538,848.67	0.76	25.13	
1,000.00	3.91	355.26	2,525.42	998.58	39.81 N	8.57 W	429,946.54	538,848.10	0.06	29.45	
1,100.00	3.64	355.31	2,425.64	1,098.36	46.37 N	9.11 W	429,953.10	538,847.55	0.27	33.58	
1,200.00	3.06	3.69	2,325.81	1,198.19	52.20 N	9.20 W	429,958.92	538,847.47	0.76	36.92	
1,300.00	2.22	18.03	2,225.92	1,298.08	56.70 N	8.43 W	429,963.43	538,848.24	1.06	38.82	
1,400.00	1.68	31.15	2,125.97	1,398.03	59.80 N	7.07 W	429,966.53	538,849.60	0.70	39.43	
1,500.00	1.51	45.19	2,026.01	1,497.99	61.98 N	5.38 W	429,968.71	538,851.29	0.42	39.26	
1,600.00	1.14	49.99	1,926.04	1,597.96	63.55 N	3.68 W	429,970.28	538,852.99	0.39	38.73	
1,700.00	1.02	49.70	1,826.06	1,697.94	64.77 N	2.24 W	429,971.49	538,854.43	0.12	38.22	
1,800.00	0.94	47.62	1,726.07	1,797.93	65.90 N	0.96 W	429,972.62	538,855.71	0.09	37.79	
1,900.00	0.87	45.10	1,626.08	1,897.92	66.99 N	0.19 E	429,973.71	538,856.85	0.08	37.46	
2,000.00	0.81	42.96	1,526.09	1,997.91	68.04 N	1.21 E	429,974.76	538,857.87	0.07	37.21	
2,100.00	0.71	56.77	1,426.10	2,097.90	68.90 N	2.21 E	429,975.62	538,858.87	0.21	36.86	
2,200.00	0.71	46.68	1,326.11	2,197.89	69.66 N	3.18 E	429,976.38	538,859.84	0.12	36.49	
2,300.00	0.63	47.66	1,226.12	2,297.88	70.46 N	4.03 E	429,977.18	538,860.70	0.08	36.22	
2,400.00	0.60	40.65	1,126.12	2,397.88	71.22 N	4.78 E	429,977.95	538,861.45	0.08	36.04	
2,500.00	0.42	43.57	1,026.13	2,497.87	71.89 N	5.37 E	429,978.61	538,862.04	0.18	35.92	
2,600.00	0.21	56.19	926.13	2,597.87	72.25 N	5.78 E	429,978.98	538,862.45	0.22	35.79	
2,700.00	0.24	94.62	826.13	2,697.87	72.34 N	6.14 E	429,979.06	538,862.81	0.15	35.54	
2,800.00	0.13	82.79	726.13	2,797.87	72.34 N	6.46 E	429,979.06	538,863.13	0.12	35.27	
2,900.00	0.09	88.00	626.13	2,897.87	72.35 N	6.65 E	429,979.08	538,863.32	0.04	35.12	
3,000.00	0.16	114.98	526.13	2,997.87	72.30 N	6.86 E	429,979.02	538,863.52	0.09	34.92	
3,100.00	0.20	165.43	426.13	3,097.87	72.07 N	7.03 E	429,978.79	538,863.69	0.16	34.65	
3,200.00	0.18	142.29	326.13	3,197.87	71.78 N	7.17 E	429,978.50	538,863.83	0.08	34.37	
3,300.00	0.15	169.14	226.13	3,297.87	71.52 N	7.29 E	429,978.25	538,863.96	0.08	34.13	
3,400.00	0.09	194.31	126.13	3,397.87	71.32 N	7.29 E	429,978.04	538,863.96	0.08	34.01	
3,500.00	0.20	216.25	26.13	3,497.87	71.10 N	7.17 E	429,977.83	538,863.84	0.12	33.99	
3,600.00	0.20	225.19	-73.87	3,597.87	70.84 N	6.94 E	429,977.56	538,863.61	0.03	34.03	
3,700.00	0.21	248.27	-173.87	3,697.87	70.65 N	6.65 E	429,977.37	538,863.32	0.08	34.17	
3,800.00	0.19	226.66	-273.87	3,797.87	70.46 N	6.36 E	429,977.19	538,863.03	0.08	34.30	
3,900.00	0.20	241.88	-373.87	3,897.87	70.27 N	6.08 E	429,976.99	538,862.75	0.05	34.42	

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
4,000.00	0.26	224.29	-473.86	3,997.86	70.02 N	5.77 E	429,976.75	538,862.44	0.09	34.54	
4,100.00	0.26	226.97	-573.86	4,097.86	69.71 N	5.45 E	429,976.43	538,862.12	0.01	34.63	
4,200.00	0.26	208.18	-673.86	4,197.86	69.35 N	5.18 E	429,976.08	538,861.84	0.08	34.66	
4,300.00	0.33	159.02	-773.86	4,297.86	68.88 N	5.17 E	429,975.61	538,861.84	0.25	34.40	
4,400.00	0.44	166.45	-873.86	4,397.86	68.24 N	5.36 E	429,974.97	538,862.03	0.12	33.88	
4,500.00	0.48	170.39	-973.86	4,497.86	67.45 N	5.52 E	429,974.18	538,862.19	0.05	33.30	
4,600.00	0.50	166.25	-1,073.85	4,597.85	66.62 N	5.70 E	429,973.34	538,862.36	0.04	32.69	
4,700.00	0.80	159.58	-1,173.85	4,697.85	65.54 N	6.04 E	429,972.26	538,862.71	0.31	31.80	
4,800.00	0.92	167.31	-1,273.83	4,797.83	64.10 N	6.46 E	429,970.83	538,863.13	0.17	30.64	
4,900.00	0.93	166.40	-1,373.82	4,897.82	62.53 N	6.83 E	429,969.25	538,863.50	0.02	29.46	
5,000.00	1.00	153.55	-1,473.81	4,997.81	60.96 N	7.41 E	429,967.68	538,864.08	0.23	28.10	
5,100.00	0.94	153.71	-1,573.79	5,097.79	59.44 N	8.16 E	429,966.17	538,864.83	0.06	26.62	
5,200.00	0.67	162.25	-1,673.78	5,197.78	58.15 N	8.71 E	429,964.88	538,865.37	0.29	25.45	
5,300.00	0.36	115.39	-1,773.78	5,297.78	57.46 N	9.17 E	429,964.18	538,865.83	0.50	24.68	
5,400.00	0.40	80.86	-1,873.78	5,397.78	57.38 N	9.80 E	429,964.11	538,866.46	0.23	24.11	
5,500.00	0.47	6.83	-1,973.77	5,497.77	57.84 N	10.19 E	429,964.57	538,866.86	0.53	24.05	
5,600.00	0.68	352.09	-2,073.77	5,597.77	58.84 N	10.16 E	429,965.56	538,866.82	0.26	24.63	
5,700.00	0.55	324.24	-2,173.76	5,697.76	59.82 N	9.79 E	429,966.54	538,866.46	0.32	25.48	
5,800.00	0.81	297.03	-2,273.76	5,797.76	60.53 N	8.88 E	429,967.25	538,865.55	0.41	26.63	
5,900.00	0.93	288.49	-2,373.75	5,897.75	61.10 N	7.48 E	429,967.83	538,864.15	0.18	28.12	
6,000.00	0.93	279.23	-2,473.73	5,997.73	61.49 N	5.91 E	429,968.22	538,862.58	0.15	29.63	
6,100.00	0.77	258.79	-2,573.72	6,097.72	61.49 N	4.45 E	429,968.22	538,861.12	0.34	30.84	
6,200.00	0.91	264.54	-2,673.71	6,197.71	61.29 N	3.00 E	429,968.01	538,859.67	0.16	31.93	
6,300.00	0.77	262.40	-2,773.70	6,297.70	61.12 N	1.55 E	429,967.85	538,858.21	0.14	33.04	
6,400.00	0.80	260.29	-2,873.69	6,397.69	60.91 N	0.19 E	429,967.64	538,856.86	0.04	34.04	
6,500.00	0.91	252.35	-2,973.68	6,497.68	60.56 N	1.25 W	429,967.28	538,855.42	0.16	35.04	
6,600.00	0.93	255.66	-3,073.67	6,597.67	60.11 N	2.79 W	429,966.84	538,853.87	0.06	36.07	
6,700.00	1.10	246.97	-3,173.65	6,697.65	59.54 N	4.46 W	429,966.26	538,852.20	0.23	37.12	
6,800.00	1.54	235.98	-3,273.62	6,797.62	58.41 N	6.46 W	429,965.14	538,850.21	0.51	38.14	
6,900.00	1.64	237.73	-3,373.59	6,897.59	56.89 N	8.78 W	429,963.62	538,847.88	0.11	39.22	
7,000.00	1.84	230.69	-3,473.54	6,997.54	55.11 N	11.24 W	429,961.84	538,845.43	0.29	40.24	
7,100.00	2.08	229.19	-3,573.48	7,097.48	52.91 N	13.85 W	429,959.64	538,842.81	0.25	41.17	
7,200.00	2.03	231.87	-3,673.42	7,197.42	50.63 N	16.62 W	429,957.36	538,840.05	0.11	42.18	
7,300.00	2.06	246.93	-3,773.35	7,297.35	48.83 N	19.67 W	429,955.56	538,837.00	0.54	43.69	
7,400.00	1.53	259.34	-3,873.31	7,397.31	47.88 N	22.63 W	429,954.61	538,834.04	0.65	45.61	
7,415.00	1.53	259.06	-3,888.30	7,412.30	47.81 N	23.03 W	429,954.53	538,833.64	0.05	45.90	deepest gyro
7,442.00	1.14	251.89	-3,915.29	7,439.29	47.65 N	23.63 W	429,954.38	538,833.03	1.57	46.31	
7,472.00	1.24	240.52	-3,945.29	7,469.29	47.40 N	24.20 W	429,954.13	538,832.47	0.85	46.64	
7,504.00	1.29	252.74	-3,977.28	7,501.28	47.12 N	24.85 W	429,953.85	538,831.82	0.86	47.02	

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
7,536.00	1.00	256.69	-4,009.27	7,533.27	46.95 N	25.46 W	429,953.68	538,831.21	0.94	47.43	
7,567.00	1.57	273.67	-4,040.26	7,564.26	46.92 N	26.15 W	429,953.64	538,830.52	2.19	47.98	
7,598.00	2.01	274.92	-4,071.25	7,595.25	46.99 N	27.11 W	429,953.72	538,829.55	1.42	48.82	
7,629.00	2.27	285.98	-4,102.23	7,626.23	47.21 N	28.25 W	429,953.93	538,828.42	1.57	49.88	
7,661.00	2.41	301.46	-4,134.20	7,658.20	47.73 N	29.43 W	429,954.46	538,827.24	2.02	51.15	
7,693.00	3.33	295.52	-4,166.16	7,690.16	48.49 N	30.84 W	429,955.21	538,825.83	3.02	52.75	
7,724.00	4.08	302.37	-4,197.10	7,721.10	49.46 N	32.59 W	429,956.19	538,824.08	2.81	54.74	
7,756.00	4.77	293.85	-4,229.00	7,753.00	50.61 N	34.76 W	429,957.34	538,821.90	2.97	57.18	
7,787.00	5.30	301.77	-4,259.88	7,783.88	51.89 N	37.16 W	429,958.61	538,819.51	2.82	59.88	
7,819.00	5.82	299.52	-4,291.73	7,815.73	53.46 N	39.83 W	429,960.19	538,816.84	1.76	62.98	
7,851.00	6.29	304.01	-4,323.55	7,847.55	55.24 N	42.69 W	429,961.97	538,813.97	2.08	66.35	
7,881.00	6.57	300.27	-4,353.36	7,877.36	57.03 N	45.54 W	429,963.75	538,811.13	1.68	69.70	
7,912.00	7.07	301.72	-4,384.14	7,908.14	58.92 N	48.69 W	429,965.65	538,807.97	1.71	73.38	
7,944.00	7.78	303.67	-4,415.88	7,939.88	61.16 N	52.17 W	429,967.89	538,804.50	2.35	77.51	
7,975.00	8.20	304.48	-4,446.57	7,970.57	63.58 N	55.74 W	429,970.30	538,800.93	1.40	81.82	
8,007.00	8.49	304.01	-4,478.24	8,002.24	66.19 N	59.58 W	429,972.91	538,797.09	0.93	86.46	
8,038.00	9.36	305.05	-4,508.86	8,032.86	68.92 N	63.54 W	429,975.64	538,793.13	2.85	91.27	
8,070.00	9.96	303.83	-4,540.41	8,064.41	71.95 N	67.97 W	429,978.68	538,788.70	1.98	96.64	
8,102.00	10.66	304.23	-4,571.89	8,095.89	75.16 N	72.71 W	429,981.88	538,783.95	2.20	102.37	
8,133.00	10.90	303.18	-4,602.34	8,126.34	78.37 N	77.54 W	429,985.10	538,779.13	1.00	108.17	
8,164.00	11.69	303.66	-4,632.74	8,156.74	81.72 N	82.61 W	429,988.44	538,774.06	2.57	114.24	
8,196.00	12.31	304.55	-4,664.04	8,188.04	85.45 N	88.11 W	429,992.18	538,768.55	2.02	120.89	
8,227.00	13.24	303.49	-4,694.27	8,218.27	89.28 N	93.80 W	429,996.01	538,762.87	3.09	127.75	
8,259.00	13.11	302.74	-4,725.43	8,249.43	93.27 N	99.90 W	429,999.99	538,756.76	0.67	135.04	
8,291.00	13.37	301.90	-4,756.58	8,280.58	97.19 N	106.10 W	430,003.91	538,750.57	1.01	142.36	
8,322.00	13.67	302.56	-4,786.72	8,310.72	101.05 N	112.23 W	430,007.78	538,744.44	1.09	149.61	
8,354.00	13.88	302.31	-4,817.80	8,341.80	105.14 N	118.66 W	430,011.86	538,738.01	0.68	157.22	
8,385.00	13.69	301.43	-4,847.91	8,371.91	109.04 N	124.93 W	430,015.76	538,731.74	0.91	164.60	
8,417.00	13.66	301.19	-4,879.00	8,403.00	112.97 N	131.40 W	430,019.70	538,725.27	0.20	172.16	
8,448.00	14.00	302.07	-4,909.10	8,433.10	116.86 N	137.70 W	430,023.58	538,718.96	1.29	179.56	
8,480.00	14.04	301.32	-4,940.15	8,464.15	120.93 N	144.30 W	430,027.65	538,712.37	0.58	187.31	
8,512.00	13.99	301.59	-4,971.20	8,495.20	124.97 N	150.91 W	430,031.70	538,705.76	0.26	195.05	
8,543.00	13.91	300.93	-5,001.28	8,525.28	128.85 N	157.30 W	430,035.58	538,699.37	0.57	202.51	
8,574.00	14.05	301.60	-5,031.37	8,555.37	132.74 N	163.70 W	430,039.46	538,692.97	0.69	209.99	
8,607.00	13.62	299.94	-5,063.41	8,587.41	136.78 N	170.48 W	430,043.50	538,686.19	1.77	217.87	
8,639.00	13.58	300.88	-5,094.51	8,618.51	140.59 N	176.97 W	430,047.31	538,679.70	0.70	225.38	
8,670.00	13.34	301.00	-5,124.66	8,648.66	144.30 N	183.16 W	430,051.02	538,673.51	0.78	232.58	
8,702.00	13.79	301.78	-5,155.77	8,679.77	148.21 N	189.56 W	430,054.93	538,667.10	1.52	240.08	
8,733.00	13.86	302.55	-5,185.87	8,709.87	152.15 N	195.83 W	430,058.87	538,660.83	0.64	247.48	

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

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8,765.00	13.41	302.53	-5,216.97	8,740.97	156.21 N	202.19 W	430,062.93	538,654.47	1.41	255.02	
8,796.00	12.90	302.25	-5,247.15	8,771.15	159.99 N	208.15 W	430,066.71	538,648.52	1.66	262.07	
8,828.00	13.27	303.67	-5,278.32	8,802.32	163.93 N	214.23 W	430,070.65	538,642.44	1.53	269.32	
8,860.00	13.21	303.58	-5,309.47	8,833.47	167.99 N	220.33 W	430,074.71	538,636.34	0.20	276.64	
8,891.00	12.66	304.40	-5,339.69	8,863.69	171.87 N	226.09 W	430,078.59	538,630.58	1.87	283.58	
8,922.00	12.48	303.50	-5,369.94	8,893.94	175.63 N	231.68 W	430,082.36	538,624.99	0.86	290.33	
8,955.00	12.92	303.03	-5,402.13	8,926.13	179.61 N	237.75 W	430,086.34	538,618.92	1.37	297.58	
8,987.00	13.30	301.83	-5,433.30	8,957.30	183.50 N	243.87 W	430,090.23	538,612.79	1.46	304.84	
9,019.00	13.87	300.40	-5,464.41	8,988.41	187.39 N	250.31 W	430,094.11	538,606.36	2.07	312.34	
9,050.00	14.07	299.96	-5,494.49	9,018.49	191.15 N	256.78 W	430,097.87	538,599.89	0.73	319.81	
9,082.00	14.06	299.56	-5,525.53	9,049.53	195.01 N	263.53 W	430,101.73	538,593.14	0.31	327.56	
9,113.00	14.00	299.41	-5,555.60	9,079.60	198.71 N	270.07 W	430,105.43	538,586.59	0.23	335.05	
9,145.00	13.60	298.55	-5,586.68	9,110.68	202.41 N	276.75 W	430,109.13	538,579.92	1.40	342.65	
9,176.00	14.14	299.63	-5,616.78	9,140.78	206.02 N	283.24 W	430,112.74	538,573.43	1.93	350.06	
9,208.00	14.59	300.94	-5,647.78	9,171.78	210.02 N	290.10 W	430,116.75	538,566.57	1.73	357.98	
9,239.00	14.90	300.71	-5,677.76	9,201.76	214.07 N	296.87 W	430,120.79	538,559.79	1.02	365.85	
9,271.00	15.16	301.60	-5,708.66	9,232.66	218.36 N	303.97 W	430,125.09	538,552.69	1.09	374.14	
9,302.00	14.95	301.25	-5,738.60	9,262.60	222.56 N	310.84 W	430,129.28	538,545.82	0.74	382.18	
9,334.00	14.70	300.42	-5,769.53	9,293.53	226.76 N	317.87 W	430,133.48	538,538.79	1.03	390.36	
9,366.00	14.89	301.85	-5,800.47	9,324.47	230.98 N	324.87 W	430,137.71	538,531.80	1.29	398.52	
9,397.00	15.54	302.33	-5,830.38	9,354.38	235.30 N	331.76 W	430,142.03	538,524.91	2.14	406.65	
9,429.00	15.73	302.21	-5,861.20	9,385.20	239.91 N	339.05 W	430,146.63	538,517.62	0.60	415.27	
9,461.00	15.59	302.73	-5,892.01	9,416.01	244.55 N	346.34 W	430,151.27	538,510.33	0.62	423.90	
9,492.00	15.56	301.55	-5,921.87	9,445.87	248.97 N	353.39 W	430,155.70	538,503.28	1.03	432.22	
9,524.00	15.01	300.43	-5,952.74	9,476.74	253.32 N	360.62 W	430,160.04	538,496.05	1.95	440.64	
9,555.00	14.94	298.94	-5,982.69	9,506.69	257.28 N	367.58 W	430,164.01	538,489.09	1.26	448.63	
9,587.00	14.68	299.10	-6,013.63	9,537.63	261.25 N	374.73 W	430,167.98	538,481.94	0.82	456.77	
9,619.00	14.90	298.68	-6,044.57	9,568.57	265.20 N	381.88 W	430,171.92	538,474.79	0.76	464.91	
9,650.00	14.84	299.02	-6,074.53	9,598.53	269.04 N	388.85 W	430,175.76	538,467.82	0.34	472.83	
9,682.00	14.75	299.68	-6,105.47	9,629.47	273.04 N	395.97 W	430,179.77	538,460.70	0.60	480.97	
9,713.00	15.16	300.31	-6,135.42	9,659.42	277.04 N	402.90 W	430,183.77	538,453.77	1.42	488.95	
9,745.00	15.45	301.74	-6,166.28	9,690.28	281.40 N	410.14 W	430,188.12	538,446.53	1.49	497.38	
9,777.00	15.24	303.81	-6,197.14	9,721.14	285.98 N	417.26 W	430,192.70	538,439.41	1.83	505.85	
9,808.00	14.94	305.35	-6,227.07	9,751.07	290.56 N	423.90 W	430,197.28	538,432.77	1.62	513.92	
9,840.00	15.00	305.07	-6,257.99	9,781.99	295.32 N	430.65 W	430,202.05	538,426.01	0.29	522.18	
9,871.00	14.85	306.60	-6,287.94	9,811.94	300.00 N	437.13 W	430,206.72	538,419.54	1.36	530.16	
9,903.00	14.49	305.23	-6,318.90	9,842.90	304.75 N	443.69 W	430,211.48	538,412.98	1.56	538.26	
9,934.00	14.78	305.63	-6,348.89	9,872.89	309.29 N	450.07 W	430,216.02	538,406.60	0.99	546.09	
9,966.00	14.78	304.02	-6,379.83	9,903.83	313.95 N	456.77 W	430,220.68	538,399.89	1.28	554.25	

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
9,998.00	15.29	303.69	-6,410.74	9,934.74	318.58 N	463.67 W	430,225.30	538,393.00	1.62	562.55	
10,030.00	15.38	302.98	-6,441.60	9,965.60	323.23 N	470.74 W	430,229.95	538,385.93	0.65	571.02	
10,061.00	15.88	302.73	-6,471.45	9,995.45	327.76 N	477.75 W	430,234.48	538,378.91	1.63	579.37	
10,093.00	15.69	302.79	-6,502.24	10,026.24	332.47 N	485.07 W	430,239.20	538,371.59	0.60	588.07	
10,124.00	15.52	301.66	-6,532.10	10,056.10	336.92 N	492.13 W	430,243.64	538,364.54	1.12	596.40	
10,156.00	14.92	301.81	-6,562.98	10,086.98	341.34 N	499.27 W	430,248.06	538,357.40	1.88	604.80	
10,187.00	14.51	302.76	-6,592.96	10,116.96	345.54 N	505.93 W	430,252.27	538,350.74	1.53	612.67	
10,219.00	14.64	304.68	-6,623.93	10,147.93	350.01 N	512.63 W	430,256.74	538,344.04	1.56	620.72	
10,249.00	15.10	305.93	-6,652.93	10,176.93	354.46 N	518.91 W	430,261.19	538,337.76	1.87	628.41	
10,281.00	15.20	306.15	-6,683.82	10,207.82	359.38 N	525.67 W	430,266.11	538,331.00	0.36	636.77	
10,312.00	15.47	305.97	-6,713.71	10,237.71	364.21 N	532.30 W	430,270.93	538,324.37	0.88	644.97	
10,344.00	15.73	304.57	-6,744.53	10,268.53	369.18 N	539.32 W	430,275.90	538,317.34	1.43	653.57	
10,375.00	15.91	303.34	-6,774.36	10,298.36	373.89 N	546.33 W	430,280.62	538,310.33	1.23	662.02	
10,407.00	15.73	302.63	-6,805.15	10,329.15	378.64 N	553.65 W	430,285.37	538,303.02	0.83	670.74	
10,439.00	16.35	303.16	-6,835.90	10,359.90	383.45 N	561.07 W	430,290.17	538,295.59	1.99	679.58	
10,470.00	16.44	301.93	-6,865.64	10,389.64	388.15 N	568.45 W	430,294.88	538,288.22	1.16	688.33	
10,502.00	16.12	301.19	-6,896.36	10,420.36	392.85 N	576.09 W	430,299.57	538,280.57	1.19	697.29	
10,534.00	15.96	299.96	-6,927.11	10,451.11	397.35 N	583.71 W	430,304.07	538,272.96	1.17	706.11	
10,565.00	16.22	300.94	-6,956.90	10,480.90	401.70 N	591.11 W	430,308.43	538,265.56	1.21	714.69	
10,597.00	15.92	301.93	-6,987.65	10,511.65	406.32 N	598.67 W	430,313.05	538,258.00	1.27	723.53	
10,628.00	15.29	301.37	-7,017.50	10,541.50	410.70 N	605.77 W	430,317.42	538,250.90	2.09	731.86	
10,659.00	15.24	302.27	-7,047.41	10,571.41	415.00 N	612.70 W	430,321.72	538,243.96	0.78	740.02	
10,691.00	14.98	303.59	-7,078.30	10,602.30	419.53 N	619.70 W	430,326.26	538,236.96	1.35	748.36	
10,723.00	14.86	302.94	-7,109.23	10,633.23	424.05 N	626.59 W	430,330.78	538,230.07	0.64	756.60	
10,755.00	15.08	304.28	-7,140.14	10,664.14	428.63 N	633.48 W	430,335.35	538,223.19	1.28	764.86	
10,787.00	14.90	303.46	-7,171.05	10,695.05	433.24 N	640.35 W	430,339.97	538,216.32	0.87	773.14	
10,819.00	14.18	304.13	-7,202.03	10,726.03	437.71 N	647.02 W	430,344.43	538,209.64	2.31	781.17	
10,851.00	14.24	304.93	-7,233.05	10,757.05	442.16 N	653.50 W	430,348.89	538,203.17	0.64	789.03	
10,883.00	13.89	303.21	-7,264.09	10,788.09	446.52 N	659.94 W	430,353.24	538,196.73	1.70	796.80	
10,914.00	14.02	304.30	-7,294.17	10,818.17	450.67 N	666.15 W	430,357.40	538,190.52	0.95	804.28	
10,946.00	13.57	303.85	-7,325.25	10,849.25	454.95 N	672.47 W	430,361.67	538,184.20	1.45	811.91	
10,977.00	13.56	304.34	-7,355.39	10,879.39	459.02 N	678.49 W	430,365.75	538,178.17	0.37	819.18	
11,009.00	13.06	305.62	-7,386.53	10,910.53	463.25 N	684.53 W	430,369.97	538,172.14	1.81	826.54	
11,040.00	12.02	305.59	-7,416.79	10,940.79	467.16 N	690.00 W	430,373.89	538,166.67	3.35	833.27	
11,072.00	11.33	306.57	-7,448.12	10,972.12	470.98 N	695.24 W	430,377.70	538,161.43	2.24	839.74	
11,103.00	11.07	306.56	-7,478.53	11,002.53	474.56 N	700.07 W	430,381.29	538,156.60	0.84	845.76	
11,134.00	11.38	307.89	-7,508.94	11,032.94	478.21 N	704.88 W	430,384.94	538,151.79	1.30	851.79	
11,166.00	10.78	308.73	-7,540.34	11,064.34	482.03 N	709.70 W	430,388.75	538,146.96	1.94	857.92	
11,198.00	10.68	307.57	-7,571.78	11,095.78	485.71 N	714.39 W	430,392.43	538,142.28	0.74	863.86	

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
11,230.00	9.98	308.07	-7,603.26	11,127.26	489.22 N	718.92 W	430,395.95	538,137.75	2.21	869.59	
11,261.00	9.33	307.80	-7,633.83	11,157.83	492.42 N	723.02 W	430,399.15	538,133.65	2.10	874.78	
11,292.00	8.46	306.99	-7,664.45	11,188.45	495.33 N	726.83 W	430,402.06	538,129.84	2.84	879.56	
11,323.00	8.60	303.99	-7,695.11	11,219.11	498.00 N	730.57 W	430,404.73	538,126.10	1.50	884.16	
11,355.00	8.83	301.23	-7,726.74	11,250.74	500.61 N	734.65 W	430,407.34	538,122.01	1.49	889.00	
11,387.00	8.84	302.58	-7,758.36	11,282.36	503.21 N	738.83 W	430,409.93	538,117.84	0.65	893.91	
11,418.00	8.75	301.12	-7,789.00	11,313.00	505.71 N	742.85 W	430,412.44	538,113.81	0.78	898.65	
11,450.00	7.93	300.64	-7,820.66	11,344.66	508.09 N	746.84 W	430,414.82	538,109.83	2.57	903.28	
11,481.00	8.23	303.38	-7,851.35	11,375.35	510.40 N	750.53 W	430,417.13	538,106.14	1.57	907.64	
11,513.00	8.70	304.88	-7,883.00	11,407.00	513.05 N	754.43 W	430,419.77	538,102.24	1.62	912.35	
11,545.00	8.97	307.54	-7,914.62	11,438.62	515.95 N	758.39 W	430,422.68	538,098.28	1.53	917.26	
11,576.00	8.73	309.36	-7,945.25	11,469.25	518.92 N	762.12 W	430,425.64	538,094.54	1.19	922.01	
11,608.00	8.59	307.58	-7,976.89	11,500.89	521.91 N	765.90 W	430,428.64	538,090.77	0.94	926.82	
11,640.00	8.07	301.67	-8,008.55	11,532.55	524.55 N	769.70 W	430,431.28	538,086.96	3.13	931.45	
11,671.00	7.73	296.13	-8,039.26	11,563.26	526.61 N	773.43 W	430,433.34	538,083.24	2.69	935.68	
11,702.00	7.45	296.40	-8,069.99	11,593.99	528.42 N	777.10 W	430,435.15	538,079.57	0.91	939.74	
11,734.00	7.07	302.49	-8,101.73	11,625.73	530.40 N	780.62 W	430,437.13	538,076.05	2.68	943.76	
11,766.00	6.93	305.31	-8,133.49	11,657.49	532.58 N	783.85 W	430,439.30	538,072.81	1.16	947.66	
11,797.00	6.94	305.61	-8,164.26	11,688.26	534.75 N	786.90 W	430,441.47	538,069.76	0.12	951.41	
11,829.00	6.58	305.57	-8,196.04	11,720.04	536.94 N	789.97 W	430,443.67	538,066.70	1.13	955.17	
11,861.00	6.94	307.38	-8,227.82	11,751.82	539.18 N	792.99 W	430,445.91	538,063.67	1.31	958.93	
11,893.00	7.03	309.84	-8,259.58	11,783.58	541.61 N	796.03 W	430,448.33	538,060.63	0.98	962.81	
11,924.00	6.94	310.54	-8,290.35	11,814.35	544.04 N	798.91 W	430,450.77	538,057.75	0.40	966.56	
11,956.00	6.94	309.84	-8,322.12	11,846.12	546.54 N	801.87 W	430,453.26	538,054.80	0.26	970.41	
11,987.00	6.24	310.01	-8,352.91	11,876.91	548.82 N	804.59 W	430,455.55	538,052.07	2.26	973.95	
11,988.00	6.24	310.01	-8,353.91	11,877.91	548.89 N	804.68 W	430,455.62	538,051.99	0.00	974.05	
12,020.00	5.80	309.66	-8,385.73	11,909.73	551.04 N	807.25 W	430,457.77	538,049.41	1.38	977.39	
12,052.00	5.27	307.73	-8,417.58	11,941.58	552.97 N	809.66 W	430,459.70	538,047.00	1.76	980.47	
12,083.00	5.10	301.05	-8,448.45	11,972.45	554.55 N	811.97 W	430,461.28	538,044.70	2.02	983.27	
12,116.00	4.75	303.16	-8,481.33	12,005.33	556.06 N	814.37 W	430,462.78	538,042.30	1.19	986.10	last MWD survey
12,250.00	4.75	303.16	-8,614.87	12,138.87	562.13 N	823.66 W	430,468.85	538,033.01	0.00	997.19	projection to TD

Design Report for Ozley "25" Federal Com #1 - Wellbore #1 - Wellbore #1

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
7,415.00	7,412.30	47.81	-23.03	deepest gyro
12,116.00	12,005.33	556.06	-814.37	last MWD survey
12,250.00	12,138.87	562.13	-823.66	projection to TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	304.16	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
100.00	7,415.00	Gyro Survey	NS-GYRO-SS
7,442.00	12,250.00	MWD Survey	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
T1 11.4K	0.00	0.00	10,400.00	380.00	-560.00	430,286.73	538,296.67	32° 10' 58.568 N	04° 20' 35.385 W
- actual wellpath misses by 14.16ft at 10476.73ft MD (10396.10 TVD, 389.16 N, -570.06 E)									
- Rectangle (sides W50.00 H50.00 D0.00)									
PBHL	0.00	360.00	12,250.00	564.04	-831.20	430,470.76	538,025.46	32° 11' 0.389 N	04° 20' 38.541 W
- actual wellpath misses by 111.40ft at 12250.00ft MD (12138.87 TVD, 562.13 N, -823.66 E)									
- Point									

North Reference Sheet for Sec 25-T24S-R25E - Ozley "25" Federal Com #1 - Wellbore #1

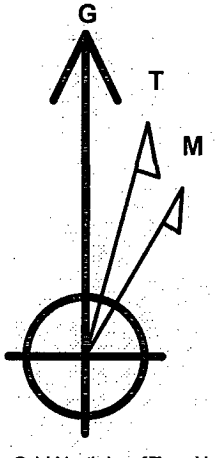
All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.
Vertical Depths are relative to WELL @ 3524.00ft (Original Well Elev). Northing and Easting are relative to Ozley "25" Federal Com #1

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980
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: 541,337.50ft, False Northing: 0.00ft, Scale Reduction: 0.99990910

Grid Coordinates of Well: 429,906.73 ft N, 538,856.67 ft E
Geographical Coordinates of Well: 32° 10' 54.81" N, 104° 20' 28.87" W
Grid Convergence at Surface is: 0.00°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,250.00ft
the Bottom Hole Displacement is 997.20ft in the Direction of 304.31° (Grid).

Magnetic Convergence at surface is: -8.56° (14 April 2006, , BGGM2005)



Magnetic Model:	BGGM2005
Date:	14-Apr-06
Declination:	8.55°
Inclination/Dip:	60.14°
Field Strength:	49057

Grid North is of True North (Grid Convergence)
Magnetic North is 8.55° East of True North (Magnetic Declination)
Magnetic North is of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction,
To convert a Magnetic Direction to a True Direction, Add 8.55° East
To convert a Magnetic Direction to a Grid Direction,