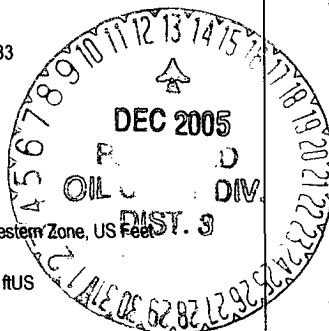


30-045-33054
 Surface: 1040/N 1310/W
 BHL 1903/W 708/W



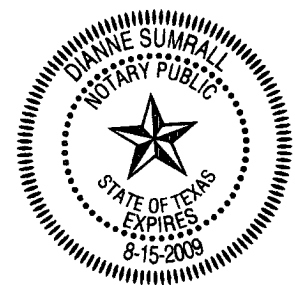
Survey Report

Report Date: December 9, 2005	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Peoples Energy Production	Vertical Section Azimuth: 215.730°
Field: San Juan County, New Mexico NAD 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Gardner #8A / Gardner #8A	TVD Reference Datum:
Well: Gardner #8A	TVD Reference Elevation: 0.0 ft relative to
Borehole: Gardner #8A	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 10.577°
Survey Name / Date: Surveys / November 7, 2005	Total Field Strength: 51479.175 nT
Tort / AHD / DDI / ERD ratio: 64.290° / 1109.32 ft / 4.864 / 0.174	Magnetic Dip: 63.782°
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date: November 07, 2005
Location Lat/Long: N 36 56 43.300, W 107 43 5.200	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 2163460.996 ftUS, E 2756761.557 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.06925474°	Total Corr Mag North -> Grid North: +10.508°
Grid Scale Factor: 0.99991796	Local Coordinates Referenced To: Well Head



Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2163461.00	2756761.56
	263.00	1.40	102.80	262.97	263.00	-1.25	-0.71	3.13	0.53	2163460.28	2756764.69
	341.00	1.50	198.10	340.96	78.00	-0.65	-1.89	3.75	2.75	2163459.10	2756765.30
	428.00	5.00	219.30	427.81	87.00	4.22	-5.91	0.99	4.19	2163455.09	2756762.55
	514.00	8.70	219.90	513.18	86.00	14.45	-13.80	-5.56	4.30	2163447.19	2756756.00
	605.00	11.80	218.00	602.72	91.00	30.62	-26.42	-15.70	3.43	2163434.58	2756745.85
	695.00	14.90	214.60	690.27	90.00	51.39	-43.20	-27.94	3.55	2163417.80	2756733.62
As of 11-5	790.00	18.20	215.80	781.33	95.00	78.44	-65.29	-43.56	3.49	2163395.71	2756718.00
	884.00	19.40	216.50	870.31	94.00	108.73	-89.75	-61.44	1.30	2163371.26	2756700.13
	978.00	19.80	216.30	958.86	94.00	140.26	-115.13	-80.15	0.43	2163345.88	2756681.42
	1073.00	18.70	215.60	1048.55	95.00	171.58	-140.48	-98.54	1.18	2163320.53	2756663.03
	1167.00	18.70	214.60	1137.59	94.00	201.72	-165.14	-115.87	0.34	2163295.87	2756645.70
	1262.00	17.70	214.80	1227.83	95.00	231.38	-189.53	-132.76	1.05	2163271.48	2756628.81
	1357.00	17.70	214.70	1318.34	95.00	260.26	-213.26	-149.22	0.03	2163247.75	2756612.35
	1451.00	17.80	216.10	1407.86	94.00	288.92	-236.62	-165.82	0.47	2163224.40	2756595.75
	1544.00	17.50	214.80	1496.48	93.00	317.11	-259.59	-182.18	0.53	2163201.43	2756579.40
	1636.00	18.00	217.60	1584.11	92.00	345.15	-282.21	-198.74	1.08	2163178.81	2756562.83
	1728.00	17.50	219.30	1671.73	92.00	373.16	-304.18	-216.18	0.78	2163156.85	2756545.40
	1821.00	18.90	219.20	1760.07	93.00	402.16	-326.67	-234.56	1.51	2163134.35	2756527.02
	1915.00	19.90	217.80	1848.73	94.00	433.34	-351.11	-253.98	1.17	2163109.92	2756507.59
As of 11-6	2009.00	18.90	215.30	1937.40	94.00	464.55	-376.18	-272.59	1.38	2163084.85	2756488.99
	2102.00	18.10	214.70	2025.59	93.00	494.06	-400.35	-289.52	0.88	2163060.68	2756472.07
	2196.00	17.90	215.10	2114.99	94.00	523.10	-424.17	-306.13	0.25	2163036.86	2756455.45
	2288.00	17.40	214.50	2202.66	92.00	550.99	-447.07	-322.06	0.58	2163013.96	2756439.53
	2383.00	17.10	218.50	2293.39	95.00	579.15	-469.71	-338.80	1.29	2162991.32	2756422.79
	2477.00	18.00	220.30	2383.01	94.00	607.43	-491.60	-356.79	1.12	2162969.43	2756404.79
	2572.00	18.50	218.30	2473.24	95.00	637.12	-514.63	-375.63	0.84	2162946.41	2756385.96
	2667.00	18.30	219.10	2563.38	95.00	667.06	-538.03	-394.38	0.34	2162923.01	2756367.21
	2762.00	18.40	217.70	2653.55	95.00	696.94	-561.47	-412.95	0.48	2162899.58	2756348.64
As of 11-7	2856.00	18.50	216.80	2742.72	94.00	726.67	-585.15	-430.96	0.32	2162875.90	2756330.64
	2950.00	18.20	215.90	2831.94	94.00	756.27	-608.98	-448.50	0.44	2162852.07	2756313.10
	3045.00	17.60	218.70	2922.34	95.00	785.45	-632.21	-466.18	1.10	2162828.84	2756295.42
	3140.00	17.40	219.70	3012.94	95.00	813.96	-654.35	-484.23	0.38	2162806.71	2756277.37
	3171.00	16.90	220.70	3042.57	31.00	823.07	-661.33	-490.13	1.87	2162799.72	2756271.47
	3233.00	17.60	216.20	3101.78	62.00	841.42	-675.73	-501.54	2.43	2162785.33	2756260.05
As of 11-8	3334.00	16.70	212.90	3198.29	101.00	871.19	-700.23	-518.45	1.31	2162760.82	2756243.15
	3862.00	6.54	214.60	3714.79	528.00	977.30	-788.91	-576.88	1.93	2162672.15	2756184.72
	3958.00	8.11	212.50	3810.01	96.00	989.53	-799.12	-583.62	1.66	2162661.94	2756177.98
	4054.00	7.75	212.40	3905.09	96.00	1002.75	-810.30	-590.73	0.38	2162650.76	2756170.88
	4149.00	7.47	210.50	3999.25	95.00	1015.30	-821.03	-597.30	0.40	2162640.04	2756164.31

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)
As of 11-10	4245.00	7.57	206.90	4094.43	96.00	1027.76	-832.05	-603.33	0.50	2162629.02	2756158.28
	4340.00	7.65	208.10	4188.59	95.00	1040.21	-843.20	-609.14	0.19	2162617.86	2756152.47
	4434.00	7.94	209.80	4281.72	94.00	1052.87	-854.36	-615.31	0.39	2162606.71	2756146.30
	4528.00	6.84	211.00	4374.94	94.00	1064.90	-864.79	-621.42	1.18	2162596.28	2756140.19
	4624.00	3.26	214.00	4470.55	96.00	1073.33	-871.95	-625.89	3.74	2162589.11	2756135.72
TD 11-12 Projected To TD	4719.00	0.64	69.88	4565.51	95.00	1075.59	-874.01	-626.90	4.00	2162587.06	2756134.71
	4779.00	0.86	65.84	4625.50	60.00	1074.93	-873.71	-626.18	0.38	2162587.36	2756135.43
	6523.00	0.86	65.84	6369.30	1744.00	1052.28	-863.00	-602.29	0.00	2162598.07	2756159.31



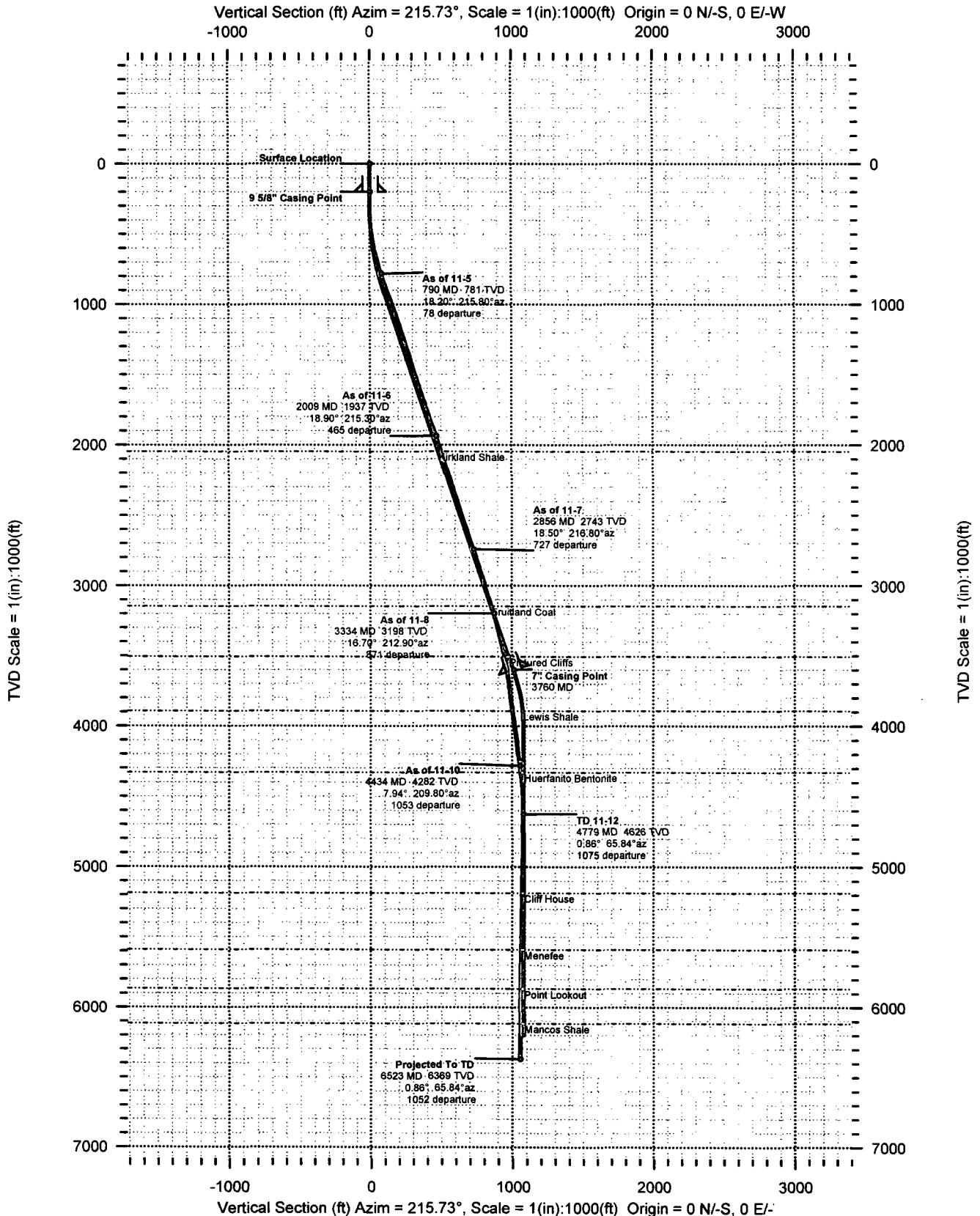
Dianne Sumrall
Notary - State of Texas, Harris Co.
Exp 8-15-2009



Peoples Energy Production



WELL Gardner #8A			FIELD San Juan County, NM NAD 83			STRUCTURE Gardner #8A		
Magnetic Parameters Model IGRF 2005 Dip 63.782° Mag Dec +10.577°			Surface Location Lat N36 56 43.300 Lon W107 43 5.200			NAD83 New Mexico State Planes (Western Zone, US Feet) Northing 2163461.00 BUS Easting 2756761.56 BUS Grid Conv. +0.06925474° Scale Fact. 0.9999179637		
Date November 07, 2005 FS 51479.2 nT			Miscellaneous Spot Gardner #8A Plan Surveys			TVD Ref (0.00 ft above) Srvy Date November 07, 2005		





Peoples Energy Production



WELL Gardner #8A			FIELD San Juan County, NM NAD 83			STRUCTURE Gardner #8A		
Magnetic Parameters Model: IGRF 2005 Dip: 63.782° Mag Dec: +10.577°			Surface Location Lat: N36 56 43.300 Lon: W107 43 5.200 Northing: 2163461.00 RUS Easting: 2756761.56 RUS			Miscellaneous Slot: Gardner #8A Plan: Surveys TVD Ref: (0.00 ft above) Srvy Date: November 07, 2005		
Date: November 07, 2005 FS: 51479.2 nT			NAD83 New Mexico State Planes, Western Zone, US Feet Grid Conv: +0.0025474° Scale Fact: 0.9999179637					

