

Mr. Joe Garcia



Peoples Energy Production / Resource Production

Well Name / Location:

Gardner # 14 30-045-33631

San Juan County, New Mexico

26, T32N, R9W 795' FSL 1600 FEL

B/H L 2300' FSL 774 FEL

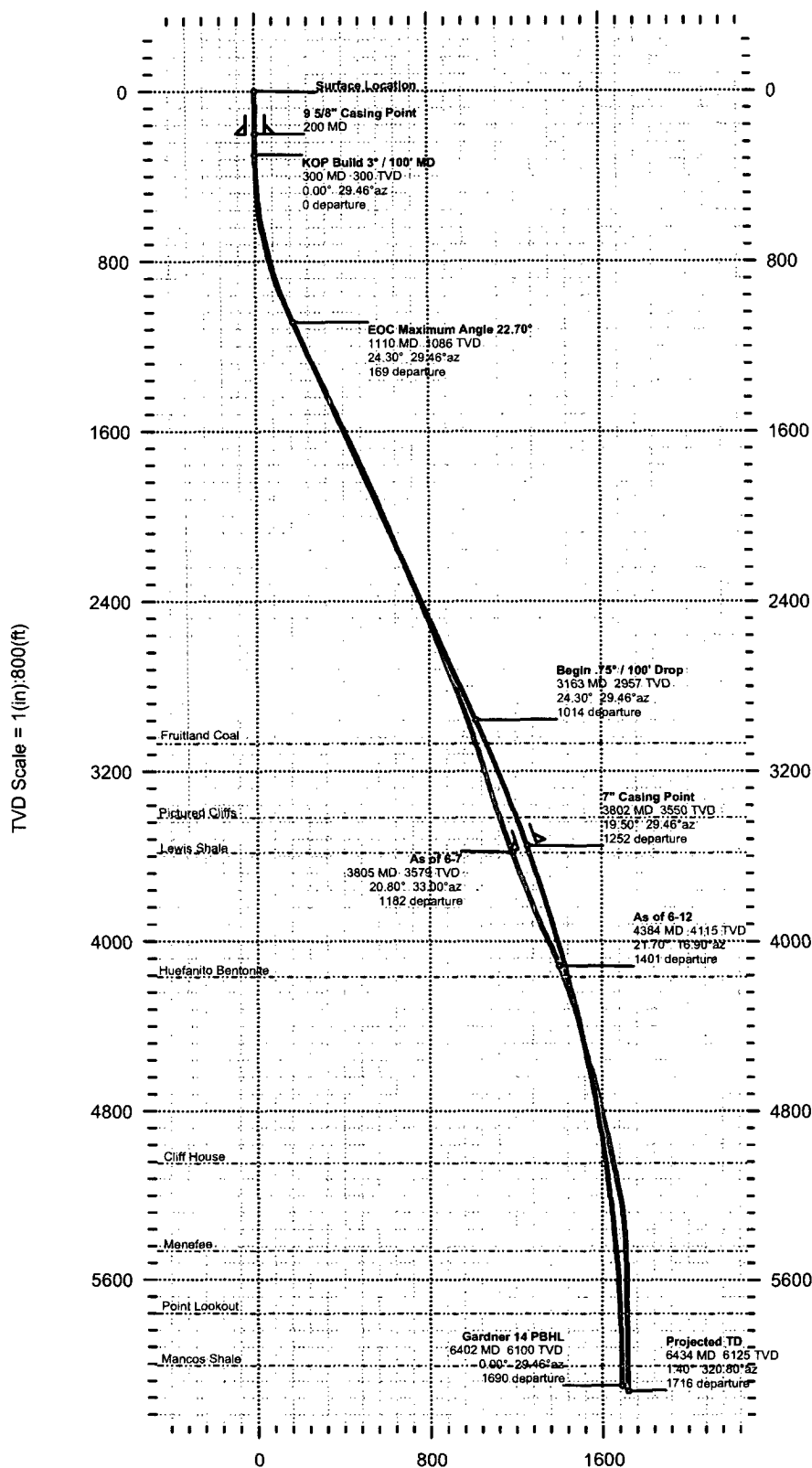
HOLD C104 FOR NSL

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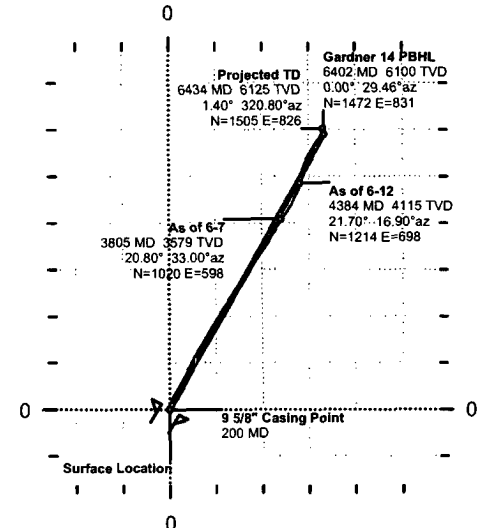
WELL Gardner 14	FIELD San Juan County, New Mexico NAD 83	STRUCTURE Patterson 754 / 20060601
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Magnetic Parameters Model: IGRF 2005 Dip: 63.76° Mag Dec: +10.51°	Date: June 07, 2006 YS: 51422.7 NT	Surface Location Lat: N36 57 0.972 Lon: W107 44 42.324	NAD83 New Mexico State Planes, Western Zone, US Feet Northing: 2165239.74 BUS Easting: 2748876.21 BUS Grid Conv: +0.05304500° Scale Fact: 0.9999174273	Miscellaneous Slot: Gardner 14 Plan: Surveys	TVD Ref: (0.00 ft above) Srvy Date: June 07, 2006
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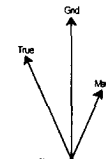
Vertical Section (ft) Azim = 29.46°, Scale = 1(in):800(ft) Origin = 0 N/-S, 0 E/-W



<<< W Scale = 1(in):1000(ft) E >>>



<<< W Scale = 1(in):1000(ft) E >>>



Grid North
Tot Corr (M->G + 10.4650°)
Mag Dec (+10.518°)
Grid Conv (+0.05304500°)



Vertical Section (ft) Azim = 29.46°, Scale = 1(in):800(ft) Origin = 0 N/-S, 0 E/-W

Survey Report

Report Date:	June 27, 2006	Survey / DLS Computation Method:	Minimum Curvature / Lubinski
Client:	Peoples Energy Production	Vertical Section Azimuth:	29.460°
Field:	San Juan County, New Mexico NAD 83	Vertical Section Origin:	N 0.000 ft, E 0.000 ft
Structure / Slot:	Gardner 14 / Gardner 14	TVD Reference Datum:	
Well:	Gardner 14	TVD Reference Elevation:	0.0 ft relative to
Borehole:	Gardner 14	Sea Bed / Ground Level Elevation:	0.000 ft relative to
UWI/API#:		Magnetic Declination:	10.518°
Survey Name / Date:	Surveys / June 7, 2006	Total Field Strength:	51422.680 nT
Tort / AHD / DDI / ERD ratio:	90.990° / 1729.08 ft / 5.218 / 0.282	Magnetic Dip:	63.769°
Grid Coordinate System:	NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date:	June 07, 2006
Location Lat/Long:	N 36 57 0.972, W 107 44 42.324	Magnetic Declination Model:	IGRF 2005
Location Grid N/E Y/X:	N 2165239.741 ftUS, E 2748876.211 ftUS	North Reference:	Grid North
Grid Convergence Angle:	+0.05304500°	Total Corr Mag North -> Grid North:	+10.465°
Grid Scale Factor:	0.99991743	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)
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2165239.74	2748876.21
	309.00	0.30	39.60	309.00	309.00	0.80	0.62	0.52	0.10	2165240.36	2748876.73
	407.00	2.30	2.20	406.97	98.00	2.80	2.79	0.75	2.11	2165242.53	2748876.97
	495.00	4.80	12.30	494.79	88.00	7.89	8.15	1.61	2.92	2165247.89	2748877.82
	581.00	8.00	17.10	580.25	86.00	17.17	17.39	4.13	3.77	2165257.13	2748880.34
	673.00	11.60	21.30	670.89	92.00	32.59	32.13	9.38	3.99	2165271.87	2748885.59
	768.00	13.60	26.70	763.60	95.00	53.20	51.01	17.87	2.44	2165290.74	2748894.08
	862.00	17.20	29.60	854.21	94.00	78.15	72.97	29.70	3.92	2165312.71	2748905.91
	955.00	20.90	30.60	942.11	93.00	108.49	99.22	44.94	3.99	2165338.95	2748921.15
	1050.00	24.40	28.00	1029.77	95.00	145.06	131.14	62.79	3.83	2165370.87	2748938.99
	1112.00	24.30	28.20	1086.25	62.00	170.62	153.69	74.83	0.21	2165393.42	2748951.03
	1237.00	24.40	28.30	1200.13	125.00	222.15	199.09	99.22	0.09	2165438.81	2748975.42
	1331.00	24.60	28.00	1285.67	94.00	261.12	233.46	117.61	0.25	2165473.18	2748993.81
	1425.00	25.70	27.10	1370.76	94.00	301.04	268.88	136.08	1.24	2165508.60	2749012.28
	1518.00	24.20	30.30	1455.08	93.00	340.25	303.29	154.89	2.17	2165543.01	2749031.09
	1611.00	24.70	30.70	1539.74	93.00	378.74	336.46	174.43	0.57	2165576.17	2749050.62
	1707.00	24.90	30.90	1626.88	96.00	418.99	371.05	195.04	0.23	2165610.75	2749071.24
	1769.00	24.70	30.70	1683.17	62.00	444.99	393.38	208.36	0.35	2165633.09	2749084.55
	1863.00	25.40	31.10	1768.32	94.00	484.78	427.53	228.80	0.77	2165667.24	2749104.99
	1957.00	23.90	30.40	1853.76	94.00	523.97	461.22	248.85	1.63	2165700.92	2749125.04
	2051.00	22.90	31.40	1940.02	94.00	561.29	493.26	268.02	1.14	2165732.96	2749144.20
	2143.00	22.70	31.70	2024.84	92.00	596.92	523.64	286.67	0.25	2165763.33	2749162.86
	2237.00	22.50	32.40	2111.62	94.00	633.01	554.26	305.84	0.36	2165793.95	2749182.02
	2331.00	23.10	32.90	2198.27	94.00	669.38	584.92	325.49	0.67	2165824.62	2749201.68
	2426.00	23.60	32.10	2285.49	95.00	706.97	616.68	345.72	0.62	2165856.37	2749221.90
	2520.00	23.80	32.50	2371.56	94.00	744.71	648.62	365.91	0.27	2165888.30	2749242.09
	2614.00	22.40	30.30	2458.03	94.00	781.56	680.08	385.14	1.75	2165919.76	2749261.32
	2708.00	22.00	30.20	2545.06	94.00	817.08	710.76	403.03	0.43	2165950.44	2749279.21
	2802.00	21.80	32.10	2632.28	94.00	852.12	740.76	421.16	0.78	2165980.44	2749297.34
	2927.00	21.50	30.70	2748.46	125.00	898.20	780.12	445.19	0.48	2166019.80	2749321.37
	3023.00	20.60	30.70	2838.05	96.00	932.68	809.77	462.80	0.94	2166049.44	2749338.97
	3115.00	19.90	35.30	2924.37	92.00	964.44	836.47	480.11	1.89	2166076.14	2749356.28
	3209.00	19.00	35.20	3013.01	94.00	995.58	862.03	498.17	0.96	2166101.70	2749374.34
	3304.00	17.50	32.40	3103.23	95.00	1025.23	886.73	514.74	1.83	2166126.39	2749390.91
	3429.00	16.90	27.90	3222.64	125.00	1062.16	918.65	533.32	1.17	2166158.32	2749409.48
	3587.00	17.60	33.20	3373.54	158.00	1108.96	958.94	557.14	1.09	2166198.60	2749433.31
	3650.00	19.60	33.90	3433.25	63.00	1129.00	975.68	568.25	3.19	2166215.34	2749444.42
	3805.00	20.80	33.00	3578.71	155.00	1182.39	1020.34	597.74	0.80	2166260.00	2749473.90
	3932.00	20.30	33.70	3697.63	127.00	1226.87	1057.58	622.25	0.44	2166297.24	2749498.41
	4004.00	21.20	31.40	3764.96	72.00	1252.34	1079.09	635.96	1.69	2166318.74	2749512.12

As of 6-7

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 6-12	4100.00	22.80	26.80	3853.97	96.00	1288.27	1110.51	653.39	2.45	2166350.16	2749529.55
	4194.00	24.00	25.10	3940.24	94.00	1325.53	1144.08	669.72	1.46	2166383.73	2749545.87
	4289.00	24.10	23.40	4027.00	95.00	1364.08	1179.38	685.61	0.74	2166419.02	2749561.77
	4384.00	21.70	16.90	4114.52	95.00	1400.52	1213.99	698.43	3.67	2166453.63	2749574.58
	4479.00	21.00	20.20	4203.00	95.00	1434.47	1246.77	709.41	1.46	2166486.41	2749585.56
	4606.00	16.70	20.40	4323.16	127.00	1474.96	1285.25	723.64	3.39	2166524.88	2749599.79
	4742.00	13.90	19.00	4454.33	136.00	1510.33	1319.02	735.77	2.08	2166558.65	2749611.92
	4861.00	14.50	32.00	4569.72	119.00	1539.28	1345.18	748.32	2.72	2166584.80	2749624.47
	4958.00	14.50	30.50	4663.63	97.00	1563.55	1365.94	760.92	0.39	2166605.56	2749637.06
	5147.00	12.70	32.10	4847.33	189.00	1607.97	1403.93	783.97	0.97	2166643.55	2749660.11
	5242.00	11.50	32.20	4940.21	95.00	1627.86	1420.79	794.56	1.26	2166660.41	2749670.71
	5341.00	12.20	36.80	5037.11	99.00	1648.09	1437.51	806.09	1.19	2166677.13	2749682.23
	5432.00	12.10	32.80	5126.07	91.00	1667.15	1453.23	817.02	0.93	2166692.85	2749693.16
	5529.00	8.80	22.40	5221.45	97.00	1684.67	1468.64	825.35	3.91	2166708.26	2749701.50
	5625.00	6.60	22.30	5316.58	96.00	1697.43	1480.54	830.25	2.29	2166720.15	2749706.39
Projected TD	5714.00	3.70	7.70	5405.22	89.00	1705.18	1488.12	832.57	3.55	2166727.73	2749708.71
	5841.00	1.40	341.40	5532.09	127.00	1710.02	1493.65	832.63	1.99	2166733.26	2749708.77
	5933.00	1.30	332.00	5624.06	92.00	1711.33	1495.64	831.78	0.26	2166735.25	2749707.92
	6029.00	1.70	327.40	5720.03	96.00	1712.58	1497.80	830.50	0.43	2166737.41	2749706.64
	6148.00	0.80	328.20	5839.00	119.00	1713.81	1499.99	829.11	0.76	2166739.60	2749705.25
	6394.00	1.40	320.80	6084.95	246.00	1715.73	1503.78	826.31	0.25	2166743.39	2749702.45
	6434.00	1.40	320.80	6124.94	40.00	1716.09	1504.54	825.69	0.00	2166744.15	2749701.83