



Company: Edge Petroleum Operating Compa				Date: 5/3/2005		Time: 15:35:08		Page: 1		
Field: Golden Lane State '29' #1				Co-ordinate(NE) Reference: Site: Section 28, T20-S, R30E, True Nort						
Site: Section 28, T20-S, R30E				Vertical (TVD) Reference: SITE 0.0						
Well: Golden Lane State '29' #1				Section (VS) Reference: Well (0.00N,0.00E,301.14Azi)						
Wellpath: Original Hole				Plan:		Plan #4 050305				
Field: Golden Lane State '29' #1										
Map System: US State Plane Coordinate System 1927					Map Zone: New Mexico, Eastern Zone					
Geo Datum: NAD27 (Clarke 1866)					Coordinate System: Site Centre					
Sys Datum: Mean Sea Level					Geomagnetic Model: igrf2005					
Site: Section 28, T20-S, R30E										
Eddy County, New Mexico										
Site Position:		Northing:		Latitude:						
From: Map		Easting:		Longitude:						
Position Uncertainty: 0.00 ft				North Reference: True						
Ground Level: 3415.00 ft				Grid Convergence: 0.19 deg						
Well: Golden Lane State '29' #1										
Slot Name:										
Well Position:		Northing:		Latitude:						
+N/-S 0.00 ft		Easting :		Longitude:						
+E/-W 0.00 ft				103 59 22.156 W						
Position Uncertainty: 0.00 ft										
Wellpath: Original Hole										
Current Datum: SITE		Height 0.00 ft		Drilled From: Surface						
Magnetic Data: 2/14/2005				Tie-on Depth: 0.00 ft						
Field Strength: 49437 nT				Above System Datum: Mean Sea Level						
Vertical Section: Depth From (TVD)		+N/-S		Declination: 8.54 deg						
ft		ft		Mag Dip Angle: 60.57 deg						
				+E/-W		Direction				
				ft		deg				
0.00		0.00		0.00		301.14				
Plan: Plan #4 050305										
Date Composed: 5/3/2005										
Version: 1										
Principal: No										
Tied-to: From Surface										
Plan Section Information										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	301.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3971.00	0.00	301.14	3971.00	0.00	0.00	0.00	0.00	0.00	301.14	
4751.71	23.42	301.14	4730.15	81.38	-134.68	3.00	3.00	0.00	301.14	
12674.33	23.42	301.14	12000.00	1710.00	-2830.00	0.00	0.00	0.00	0.00	Marrow Pay Target
13328.20	23.42	301.14	12600.00	1844.41	-3052.45	0.00	0.00	0.00	0.00	PBHL Golden Lane State 29
Survey										
MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	301.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	301.14	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	301.14	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	301.14	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	301.14	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	301.14	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	301.14	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	301.14	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	301.14	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	301.14	900.00	0.00						

PathFinder

Planning Report

Company: Edge Petroleum Operating Compa
Field: Golden Lane State '29' #1
Site: Section 28, T20-S, R30E
Well: Golden Lane State '29' #1
Wellpath: Original Hole

Date: 5/3/2005 Time: 15:35:08 Page: 2
Co-ordinate(N/E) Reference: Site: Section 28, T20-S, R30E, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,301.14Azi)
Plan: Plan #4 050305

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1600.00	0.00	301.14	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	301.14	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	301.14	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	301.14	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	301.14	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	301.14	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	301.14	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	301.14	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	301.14	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	301.14	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	301.14	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	301.14	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	301.14	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	301.14	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	301.14	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	301.14	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	301.14	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	301.14	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	301.14	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	301.14	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	301.14	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	301.14	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	301.14	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	301.14	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3971.00	0.00	301.14	3971.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP w/3° DLS @ 3971' MD/T
4000.00	0.87	301.14	4000.00	0.11	-0.19	0.22	3.00	3.00	0.00	
4100.00	3.87	301.14	4099.90	2.25	-3.73	4.35	3.00	3.00	0.00	
4200.00	6.87	301.14	4199.45	7.09	-11.74	13.71	3.00	3.00	0.00	
4300.00	9.87	301.14	4298.38	14.62	-24.19	28.27	3.00	3.00	0.00	
4400.00	12.87	301.14	4396.40	24.81	-41.07	47.98	3.00	3.00	0.00	
4500.00	15.87	301.14	4493.26	37.65	-62.30	72.80	3.00	3.00	0.00	
4600.00	18.87	301.14	4588.69	53.08	-87.85	102.65	3.00	3.00	0.00	
4700.00	21.87	301.14	4682.43	71.08	-117.64	137.45	3.00	3.00	0.00	
4751.71	23.42	301.14	4730.15	81.38	-134.68	157.36	3.00	3.00	0.00	End of Build @ 23.42° Inc
4800.00	23.42	301.14	4774.46	91.31	-151.11	176.55	0.00	0.00	0.00	
4900.00	23.42	301.14	4866.22	111.86	-185.13	216.30	0.00	0.00	0.00	
5000.00	23.42	301.14	4957.98	132.42	-219.15	256.05	0.00	0.00	0.00	
5100.00	23.42	301.14	5049.74	152.98	-253.17	295.80	0.00	0.00	0.00	
5200.00	23.42	301.14	5141.50	173.53	-287.19	335.55	0.00	0.00	0.00	
5300.00	23.42	301.14	5233.26	194.09	-321.21	375.30	0.00	0.00	0.00	
5400.00	23.42	301.14	5325.02	214.65	-355.23	415.05	0.00	0.00	0.00	
5500.00	23.42	301.14	5416.78	235.20	-389.25	454.80	0.00	0.00	0.00	
5600.00	23.42	301.14	5508.55	255.76	-423.27	494.54	0.00	0.00	0.00	
5700.00	23.42	301.14	5600.31	276.32	-457.30	534.29	0.00	0.00	0.00	
5800.00	23.42	301.14	5692.07	296.87	-491.32	574.04	0.00	0.00	0.00	
5900.00	23.42	301.14	5783.83	317.43	-525.34	613.79	0.00	0.00	0.00	
6000.00	23.42	301.14	5875.59	337.99	-559.36	653.54	0.00	0.00	0.00	
6100.00	23.42	301.14	5967.35	358.54	-593.38	693.29	0.00	0.00	0.00	
6200.00	23.42	301.14	6059.11	379.10	-627.40	733.04	0.00	0.00	0.00	
6300.00	23.42	301.14	6150.87	399.66	-661.42	772.79	0.00	0.00	0.00	
6400.00	23.42	301.14	6242.63	420.21	-695.44	812.54	0.00	0.00	0.00	
6500.00	23.42	301.14	6334.39	440.77	-729.46	852.28	0.00	0.00	0.00	
6600.00	23.42	301.14	6426.15	461.33	-763.48	892.03	0.00	0.00	0.00	
6700.00	23.42	301.14	6517.91	481.88	-797.50	931.78	0.00	0.00	0.00	

PathFinder

Planning Report

Company: Edge Petroleum Operating Compa
Field: Golden Lane State '29' #1
Site: Section 28, T20-S, R30E
Well: Golden Lane State '29' #1
Wellpath: Original Hole

Date: 5/3/2005 Time: 15:35:08 Page: 3
Co-ordinate(NE) Reference: Site: Section 28, T20-S, R30E, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,301.14Azi)
Plan: Plan #4 050305

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6800.00	23.42	301.14	6609.67	502.44	-831.52	971.53	0.00	0.00	0.00	
6900.00	23.42	301.14	6701.43	523.00	-865.54	1011.28	0.00	0.00	0.00	
7000.00	23.42	301.14	6793.20	543.55	-899.56	1051.03	0.00	0.00	0.00	
7100.00	23.42	301.14	6884.96	564.11	-933.58	1090.78	0.00	0.00	0.00	
7200.00	23.42	301.14	6976.72	584.66	-967.60	1130.53	0.00	0.00	0.00	
7300.00	23.42	301.14	7068.48	605.22	-1001.62	1170.28	0.00	0.00	0.00	
7400.00	23.42	301.14	7160.24	625.78	-1035.64	1210.02	0.00	0.00	0.00	
7500.00	23.42	301.14	7252.00	646.33	-1069.67	1249.77	0.00	0.00	0.00	
7600.00	23.42	301.14	7343.76	666.89	-1103.69	1289.52	0.00	0.00	0.00	
7700.00	23.42	301.14	7435.52	687.45	-1137.71	1329.27	0.00	0.00	0.00	
7800.00	23.42	301.14	7527.28	708.00	-1171.73	1369.02	0.00	0.00	0.00	
7900.00	23.42	301.14	7619.04	728.56	-1205.75	1408.77	0.00	0.00	0.00	
8000.00	23.42	301.14	7710.80	749.12	-1239.77	1448.52	0.00	0.00	0.00	
8100.00	23.42	301.14	7802.56	769.67	-1273.79	1488.27	0.00	0.00	0.00	
8200.00	23.42	301.14	7894.32	790.23	-1307.81	1528.01	0.00	0.00	0.00	
8300.00	23.42	301.14	7986.08	810.79	-1341.83	1567.76	0.00	0.00	0.00	
8400.00	23.42	301.14	8077.85	831.34	-1375.85	1607.51	0.00	0.00	0.00	
8500.00	23.42	301.14	8169.61	851.90	-1409.87	1647.26	0.00	0.00	0.00	
8600.00	23.42	301.14	8261.37	872.46	-1443.89	1687.01	0.00	0.00	0.00	
8700.00	23.42	301.14	8353.13	893.01	-1477.91	1726.76	0.00	0.00	0.00	
8800.00	23.42	301.14	8444.89	913.57	-1511.93	1766.51	0.00	0.00	0.00	
8900.00	23.42	301.14	8536.65	934.13	-1545.95	1806.26	0.00	0.00	0.00	
9000.00	23.42	301.14	8628.41	954.68	-1579.97	1846.01	0.00	0.00	0.00	
9100.00	23.42	301.14	8720.17	975.24	-1613.99	1885.75	0.00	0.00	0.00	
9200.00	23.42	301.14	8811.93	995.80	-1648.01	1925.50	0.00	0.00	0.00	
9300.00	23.42	301.14	8903.69	1016.35	-1682.03	1965.25	0.00	0.00	0.00	
9400.00	23.42	301.14	8995.45	1036.91	-1716.06	2005.00	0.00	0.00	0.00	
9500.00	23.42	301.14	9087.21	1057.47	-1750.08	2044.75	0.00	0.00	0.00	
9600.00	23.42	301.14	9178.97	1078.02	-1784.10	2084.50	0.00	0.00	0.00	
9700.00	23.42	301.14	9270.73	1098.58	-1818.12	2124.25	0.00	0.00	0.00	
9800.00	23.42	301.14	9362.50	1119.14	-1852.14	2164.00	0.00	0.00	0.00	
9840.87	23.42	301.14	9400.00	1127.54	-1866.04	2180.24	0.00	0.00	0.00	3rd Bone Springs
9900.00	23.42	301.14	9454.26	1139.69	-1886.16	2203.75	0.00	0.00	0.00	
10000.00	23.42	301.14	9546.02	1160.25	-1920.18	2243.49	0.00	0.00	0.00	
10100.00	23.42	301.14	9637.78	1180.81	-1954.20	2283.24	0.00	0.00	0.00	
10200.00	23.42	301.14	9729.54	1201.36	-1988.22	2322.99	0.00	0.00	0.00	
10287.69	23.42	301.14	9810.00	1219.39	-2018.05	2357.85	0.00	0.00	0.00	Wolfcamp
10300.00	23.42	301.14	9821.30	1221.92	-2022.24	2362.74	0.00	0.00	0.00	
10400.00	23.42	301.14	9913.06	1242.48	-2056.26	2402.49	0.00	0.00	0.00	
10500.00	23.42	301.14	10004.82	1263.03	-2090.28	2442.24	0.00	0.00	0.00	
10600.00	23.42	301.14	10096.58	1283.59	-2124.30	2481.99	0.00	0.00	0.00	
10700.00	23.42	301.14	10188.34	1304.15	-2158.32	2521.74	0.00	0.00	0.00	
10800.00	23.42	301.14	10280.10	1324.70	-2192.34	2561.48	0.00	0.00	0.00	
10900.00	23.42	301.14	10371.86	1345.26	-2226.36	2601.23	0.00	0.00	0.00	
11000.00	23.42	301.14	10463.62	1365.82	-2260.38	2640.98	0.00	0.00	0.00	
11100.00	23.42	301.14	10555.38	1386.37	-2294.40	2680.73	0.00	0.00	0.00	
11200.00	23.42	301.14	10647.15	1406.93	-2328.43	2720.48	0.00	0.00	0.00	
11300.00	23.42	301.14	10738.91	1427.48	-2362.45	2760.23	0.00	0.00	0.00	
11400.00	23.42	301.14	10830.67	1448.04	-2396.47	2799.98	0.00	0.00	0.00	
11500.00	23.42	301.14	10922.43	1468.60	-2430.49	2839.73	0.00	0.00	0.00	
11584.54	23.42	301.14	11000.00	1485.98	-2459.25	2873.33	0.00	0.00	0.00	Strawn Reef Porosity
11600.00	23.42	301.14	11014.19	1489.15	-2464.51	2879.48	0.00	0.00	0.00	
11700.00	23.42	301.14	11105.95	1509.71	-2498.53	2919.22	0.00	0.00	0.00	

PathFinder

Planning Report

Company: Edge Petroleum Operating Compa
Field: Golden Lane State '29' #1
Site: Section 28, T20-S, R30E
Well: Golden Lane State '29' #1
Wellpath: Original Hole

Date: 5/3/2005 Time: 15:35:08 Page: 4
Co-ordinate(NE) Reference: Site: Section 28, T20-S, R30E, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,301.14Azi)
Plan: Plan #4 050305

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
11800.00	23.42	301.14	11197.71	1530.27	-2532.55	2958.97	0.00	0.00	0.00	
11900.00	23.42	301.14	11289.47	1550.82	-2566.57	2998.72	0.00	0.00	0.00	
11998.66	23.42	301.14	11380.00	1571.11	-2600.13	3037.94	0.00	0.00	0.00	Atoka Clastics
12000.00	23.42	301.14	11381.23	1571.38	-2600.59	3038.47	0.00	0.00	0.00	
12100.00	23.42	301.14	11472.99	1591.94	-2634.61	3078.22	0.00	0.00	0.00	
12200.00	23.42	301.14	11564.75	1612.49	-2668.63	3117.97	0.00	0.00	0.00	
12300.00	23.42	301.14	11656.51	1633.05	-2702.65	3157.72	0.00	0.00	0.00	
12400.00	23.42	301.14	11748.27	1653.61	-2736.67	3197.47	0.00	0.00	0.00	
12500.00	23.42	301.14	11840.03	1674.16	-2770.69	3237.22	0.00	0.00	0.00	
12523.94	23.42	301.14	11862.00	1679.08	-2778.84	3246.73	0.00	0.00	0.00	Cross Hard-Line @ 11862'
12600.00	23.42	301.14	11931.80	1694.72	-2804.71	3276.96	0.00	0.00	0.00	
12674.33	23.42	301.14	12000.00	1710.00	-2830.00	3306.51	0.00	0.00	0.00	Marrow Pay Target
12700.00	23.42	301.14	12023.56	1715.28	-2838.73	3316.71	0.00	0.00	0.00	
12800.00	23.42	301.14	12115.32	1735.83	-2872.75	3356.46	0.00	0.00	0.00	
12900.00	23.42	301.14	12207.08	1756.39	-2906.77	3396.21	0.00	0.00	0.00	
13000.00	23.42	301.14	12298.84	1776.95	-2940.80	3435.96	0.00	0.00	0.00	
13100.00	23.42	301.14	12390.60	1797.50	-2974.82	3475.71	0.00	0.00	0.00	
13200.00	23.42	301.14	12482.36	1818.06	-3008.84	3515.46	0.00	0.00	0.00	
13300.00	23.42	301.14	12574.12	1838.62	-3042.86	3555.21	0.00	0.00	0.00	
13328.20	23.42	301.14	12600.00	1844.41	-3052.45	3566.42	0.00	0.00	0.00	PBHL Golden Lane State 29

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
Marrow Pay Target -Plan hit target		12000.00	1710.00	-2830.00	565494.85	603114.49	32 33 15.148 N	103 59 55.221 W
PBHL Golden Lane State 29-1 -Plan hit target		12600.00	1844.14	-3052.45	565628.27	602891.61	32 33 16.475 N	103 59 57.820 W

Annotation

MD ft	TVD ft	
3971.00	3971.00	KOP w/3° DLS @ 3971' MD/TVD
4751.71	4730.15	End of Build @ 23.42° Inclination
9840.87	9400.00	3rd Bone Springs
10287.69	9810.00	Wolfcamp
11584.54	11000.00	Strawn Reef Porosity
11998.66	11380.00	Atoka Clastics
12523.94	11862.00	Cross Hard-Line @ 11862' TVD

Golden Lane State 29-1

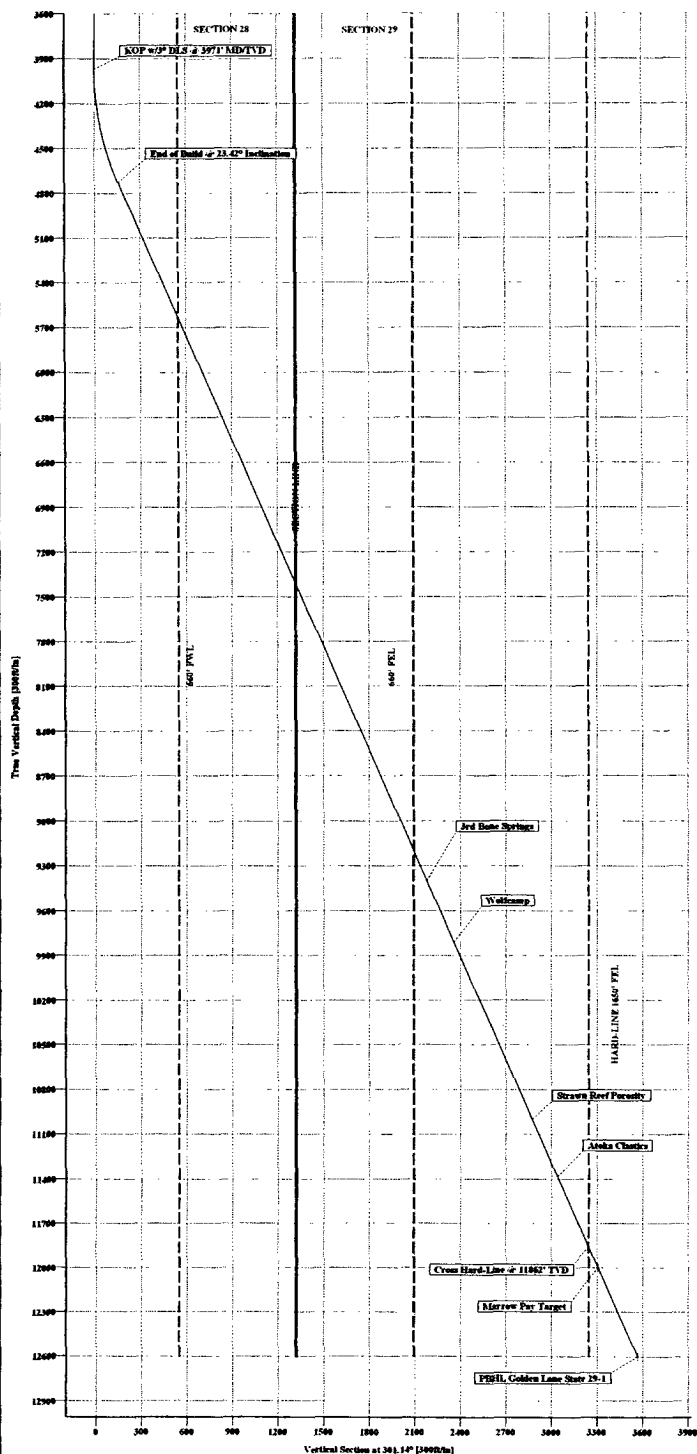
Section 29, T20-S, R30-E

Eddy County, New Mexico

Plan 4 050305

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	D/Leg	T/Face	VSec	Target
1	0.00	0.00	301.14	0.00	0.00	0.00	0.00	0.00	0.00	
2	3971.00	0.00	301.14	3971.00	0.00	0.00	0.00	301.14	0.00	
3	4751.71	23.42	301.14	4750.15	81.38	-134.68	3.00	301.14	157.36	
4	12674.53	23.42	301.14	12000.00	1710.00	-2830.00	0.00	0.00	3306.51	Marrow Pay Target
5	13328.20	23.42	301.14	12600.00	1844.41	-3052.45	0.00	0.00	3566.42	PBHL Golden Lane State 29-1



WELL DETAILS

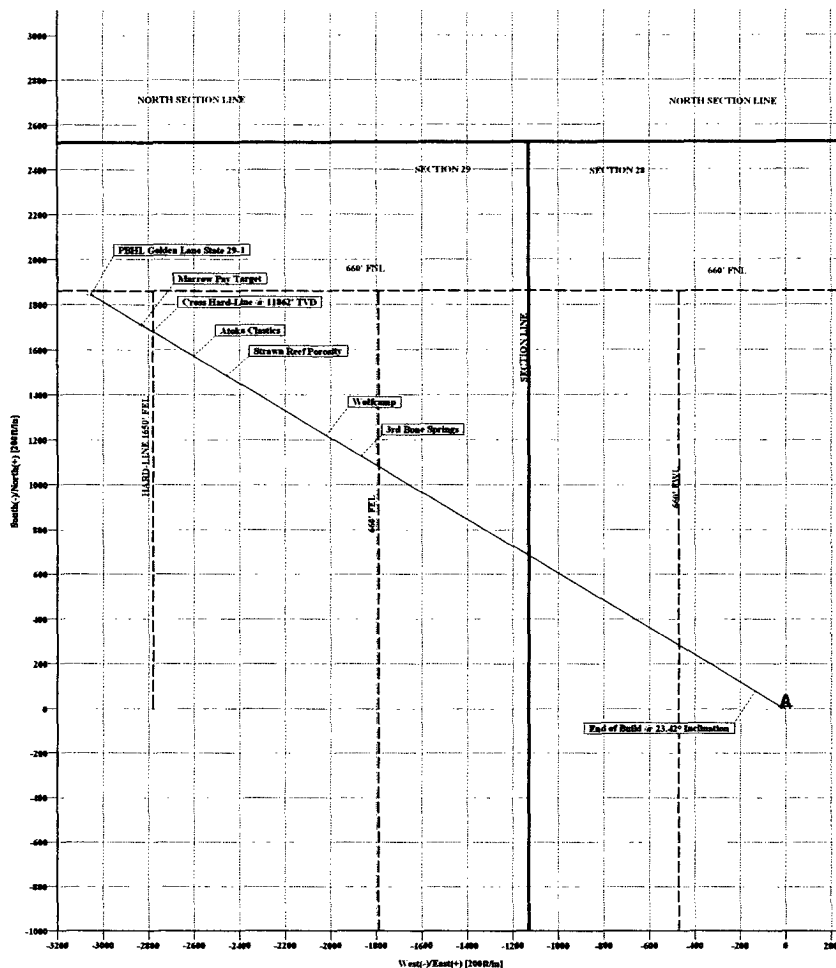
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Golden Lane State 29 #1	0.00	0.00	563794.00	605950.00	32°32'58.227N	103°59'22.156W	N/A



Azimuths to True North
Magnetic North: 8.54°
Magnetic Field
Strength: 49437nT
Dip Angle: 60.57°
Date: 2/14/2005
Model: igr2005

SITE DETAILS

Section 28, T20-S, R30E
Eddy County, New Mexico
Site Centre Northing: 563794.00
Easting: 605950.00
Ground Level: 3415.00
Positional Uncertainty: 0.00
Convergence: 0.19



EDGE PETROLEUM CORPORATION
WELL SUMMARY

LEASE: GOLDEN LANE 29 STATE
WELL: No. 1
AREA: EDDY CO., NM
FIELD: SOUTH LUSK

SURF LOC: 2520' FNL & 1130' FWL SECTION 29, T20S, R30E
BHL: 710' FNL & 1700' FEL SECTION 28, T20S, R30E
X:
Y:

ENGR: JIM KEISLING
RIG:
ELEV. 3359'
KB:

DIRECTIONAL	OPEN HOLE LOGGING	SANDS/ MARKERS	DEPTH		CASING PROFILE	HOLE SIZE	CASING DETAILS	MUD WT. & TYPE	MAXIMUM DOGLEG SEVERITY
			TVD	MD					
			40'	40'		PRESET	30" Conductor		
			450'	450'		26"	20", 106 ppf H-40, STC	SPUD MUD 8.8 PPG	2°/100'
		Yates	2695'	2695'		17 1/2"	13 3/8", 68 ppf K-55, STC 0'-1600'	10.0-10.3 ppg brine wtr 450'-1600'	
		Capitan	1600'	1600'			TOC @ 1400'		
			3062'	3062'		12 1/4"	9 5/8", 47 ppf K-55, STC 0'-3980'	10.0-10.3 ppg brine wtr 1600'-3980'	2°/100'
STRAIGHT HOLE	E-LOGS NONE	Delaware	3970'	3980'			TOC @ 3700'	8.4-8.9 ppg fresh gel 3980'-8500' CI - 1-8000	
		Brushy Cnyn	4790'	10800'					
		Bones Spgs lm	6500'	10800'					
		3rd Bones Spgs	9400'	10800'					
		Wolfcamp Lime	9810'	10800'					
		Strawn	10930'	11450'		8-1/2"		8.4-8.9 ppg fresh gel 8500'-10600' CI - 130-145K	
		Atoka Clastic	11435'	11885'					
		Morrow Lime	11550'	12195'					
		Middle Morrow	12315'	12515'					
		Lower Morrow	12470'	12775'					
		Barnett Shale	12550'	12840'					
STRAIGHT HOLE	E-LOGS Triple Combo 3980' to 13350'	TD	12600'	13350'			5 1/2", 20#, N-80, LTC 0'-13350'	9.5-9.9 ppg brine, XCD starch 10600'-13350'	2°/100'