



Actual Wellpath Report

#22-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	22-3_SHL
Area	Eddy County, NM	Well	Laguna Salada 22-3
Field	Laguna Salada Field	Wellbore	#22-3 AWB
Facility	Laguna Salada(McVay#7)		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect™ 1.2
North Reference	Grid	User	Gomeoscr
Scale	0.999923	Report Generated	10/02/06 at 08:20:13
Wellbore last revised	09/14/06	Database/Source file	WellArchitectDB/#22-3

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	0.00	0.00	650915.05	466990.56	32 17 00.000N	103 58 43.500W
Facility Reference Pt			650915.05	466990.56	32 17 00.000N	103 58 43.500W
Field Reference Pt			650915.05	466990.56	32 17 00.000N	103 58 43.500W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on 22-3_SHL (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on 22-3_SHL (RT) to Mean Sea Level	0.00 feet
Vertical Reference Pt	Rig on 22-3_SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on 22-3_SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	358.81°

30-015-35073



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Area	Eddy County, NM	Well	Laguna Salada 22-3
Field	Laguna Salada Field	Wellbore	#22-3 AWB
Facility	Laguna Salada(McVay#7)		

WELLPATH DATA (174 stations)							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00
100.00	0.770	152.250	100.00	-0.60	-0.59	0.31	0.77
200.00	1.420	148.390	199.98	-2.27	-2.24	1.28	0.65
300.00	1.740	145.290	299.94	-4.60	-4.55	2.79	0.33
400.00	1.630	147.320	399.90	-7.08	-6.99	4.42	0.13
500.00	1.880	150.440	499.85	-9.74	-9.62	6.00	0.27
600.00	1.720	145.030	599.80	-12.43	-12.27	7.67	0.23
700.00	1.760	145.640	699.75	-14.96	-14.77	9.39	0.04
800.00	1.690	150.750	799.71	-17.55	-17.33	10.98	0.17
900.00	1.660	150.590	899.67	-20.13	-19.87	12.41	0.03
1000.00	1.610	150.550	999.63	-22.64	-22.36	13.82	0.05
1100.00	1.530	157.760	1099.59	-25.12	-24.82	15.01	0.21
1200.00	1.430	157.310	1199.55	-27.53	-27.20	16.00	0.10
1300.00	1.350	167.590	1299.53	-29.85	-29.51	16.73	0.26
1400.00	1.230	169.730	1399.50	-32.06	-31.71	17.18	0.13
1500.00	1.170	172.950	1499.48	-34.14	-33.78	17.49	0.09
1600.00	1.270	176.240	1599.46	-36.26	-35.90	17.69	0.12
1700.00	1.020	170.570	1699.44	-38.25	-37.88	17.91	0.27
1800.00	0.910	177.010	1799.42	-39.92	-39.56	18.10	0.15
1900.00	0.850	180.470	1899.41	-41.46	-41.09	18.13	0.08
2000.00	0.660	185.000	1999.40	-42.77	-42.41	18.08	0.20
2100.00	0.720	209.030	2099.39	-43.89	-43.53	17.72	0.29
2200.00	1.070	198.810	2199.38	-45.31	-44.96	17.12	0.38
2300.00	0.700	195.110	2299.37	-46.77	-46.44	16.66	0.37
2400.00	0.650	181.130	2399.36	-47.92	-47.59	16.49	0.17
2500.00	0.790	179.330	2499.35	-49.18	-48.85	16.48	0.14
2600.00	1.160	173.190	2599.34	-50.88	-50.54	16.61	0.38
2700.00	1.030	167.710	2699.32	-52.77	-52.43	16.92	0.17
2800.00	1.140	166.380	2799.30	-54.62	-54.27	17.35	0.11
2900.00	1.050	167.920	2899.29	-56.49	-56.13	17.77	0.09
3000.00	0.710	176.040	2999.27	-58.01	-57.65	18.01	0.36
3100.00	0.570	186.920	3099.27	-59.12	-58.76	17.99	0.18
3200.00	0.540	188.920	3199.26	-60.08	-59.72	17.86	0.04
3300.00	0.500	200.290	3299.26	-60.95	-60.59	17.63	0.11
3400.00	0.380	191.480	3399.26	-61.68	-61.33	17.42	0.14
3500.00	0.300	236.450	3499.25	-62.14	-61.80	17.13	0.27
3600.00	0.190	229.960	3599.25	-62.39	-62.05	16.79	0.11
3700.00	0.210	236.360	3699.25	-62.59	-62.26	16.51	0.03
3800.00	0.420	229.380	3799.25	-62.92	-62.60	16.08	0.21
3900.00	0.320	227.250	3899.25	-63.34	-63.03	15.59	0.10



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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	22-3_SHL
Area	Eddy County, NM	Well	Laguna Salada 22-3
Field	Laguna Salada Field	Wellbore	#22-3 AWB
Facility	Laguna Salada(McVay#7)		

WELLPATH DATA (174 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
4000.00	0.300	209.840	3999.25	-63.75	-63.44	15.26	0.10
4100.00	0.340	230.190	4099.25	-64.16	-63.86	14.90	0.12
4200.00	0.190	273.110	4199.25	-64.33	-64.04	14.51	0.24
4300.00	0.220	250.060	4299.24	-64.38	-64.10	14.16	0.09
4400.00	0.070	252.540	4399.24	-64.46	-64.18	13.92	0.15
4500.00	0.460	207.820	4499.24	-64.82	-64.55	13.68	0.41
4600.00	0.140	237.380	4599.24	-65.24	-64.98	13.39	0.35
4700.00	0.110	191.990	4699.24	-65.40	-65.14	13.26	0.10
4800.00	0.240	171.760	4799.24	-65.70	-65.44	13.27	0.14
4900.00	0.140	173.840	4899.24	-66.03	-65.77	13.32	0.10
5000.00	0.260	179.710	4999.24	-66.38	-66.11	13.33	0.12
5100.00	0.320	228.080	5099.24	-66.79	-66.53	13.12	0.24
5200.00	0.910	209.410	5199.23	-67.65	-67.41	12.53	0.62
5300.00	0.620	215.310	5299.22	-68.77	-68.54	11.82	0.30
5400.00	0.620	210.330	5399.22	-69.67	-69.45	11.24	0.05
5500.00	0.640	205.620	5499.21	-70.63	-70.42	10.72	0.06
5600.00	0.730	204.030	5599.20	-71.70	-71.50	10.22	0.09
5700.00	0.770	209.210	5699.20	-72.86	-72.67	9.63	0.08
5800.00	0.930	210.500	5799.18	-74.13	-73.96	8.89	0.16
5900.00	0.840	198.380	5899.17	-75.51	-75.35	8.25	0.21
5958.00	1.000	194.500	5957.17	-76.40	-76.25	7.99	0.30
5989.00	0.400	223.700	5988.16	-76.73	-76.59	7.85	2.19
6020.00	1.300	332.700	6019.16	-76.49	-76.35	7.61	4.77
6052.00	3.800	343.900	6051.13	-75.14	-75.01	7.15	7.93
6083.00	6.500	348.800	6082.00	-72.42	-72.30	6.53	8.82
6114.00	8.900	348.100	6112.72	-68.34	-68.23	5.69	7.75
6145.00	12.100	346.000	6143.19	-62.81	-62.73	4.41	10.39
6175.00	15.700	345.300	6172.31	-55.80	-55.75	2.62	12.01
6206.00	19.700	345.300	6201.84	-46.63	-46.64	0.23	12.90
6237.00	23.600	345.000	6230.64	-35.52	-35.59	-2.71	12.59
6269.00	27.700	345.300	6259.48	-22.06	-22.20	-6.25	12.82
6300.00	31.200	347.100	6286.48	-7.19	-7.40	-9.88	11.64
6331.00	34.200	351.000	6312.56	9.31	9.04	-13.03	11.82
6362.00	37.600	354.800	6337.67	27.38	27.07	-15.25	13.11
6393.00	40.700	358.300	6361.71	46.93	46.60	-16.41	12.28
6424.00	43.800	1.100	6384.66	67.76	67.43	-16.50	11.70
6456.00	46.700	1.900	6407.19	90.46	90.15	-15.91	9.23
6487.00	48.800	1.500	6428.03	113.38	113.09	-15.23	6.84
6518.00	50.700	1.100	6448.06	137.01	136.74	-14.69	6.21
6549.00	53.900	0.400	6467.01	161.52	161.26	-14.37	10.48



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Area	Eddy County, NM	Well	Laguna Salada 22-3
Field	Laguna Salada Field	Wellbore	#22-3 AWB
Facility	Laguna Salada(McVay#7)		

WELLPATH DATA (174 stations)							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
6581.00	58.500	0.100	6484.81	188.10	187.84	-14.26	14.40
6612.00	63.000	0.400	6499.95	215.13	214.88	-14.14	14.54
6643.00	65.800	0.800	6513.35	243.07	242.84	-13.84	9.11
6674.00	68.300	0.100	6525.43	271.60	271.38	-13.62	8.33
6705.00	70.700	0.400	6536.29	300.63	300.41	-13.50	7.79
6737.00	72.900	0.400	6546.28	331.02	330.81	-13.28	6.87
6768.00	75.100	0.800	6554.83	360.80	360.61	-12.97	7.20
6799.00	76.600	1.100	6562.40	390.84	390.66	-12.47	4.93
6830.00	76.600	1.100	6569.59	420.97	420.81	-11.89	0.00
6862.00	78.700	1.500	6576.43	452.20	452.06	-11.18	6.68
6893.00	80.300	1.500	6582.08	482.64	482.53	-10.39	5.16
6923.00	82.400	1.500	6586.59	512.27	512.18	-9.61	7.00
6962.00	86.100	2.200	6590.50	551.01	550.95	-8.36	9.65
6994.00	89.200	2.200	6591.81	582.92	582.90	-7.13	9.69
7025.00	89.300	2.200	6592.22	613.87	613.87	-5.94	0.32
7057.00	90.300	2.600	6592.33	645.80	645.85	-4.60	3.37
7089.00	91.700	2.600	6591.77	677.73	677.81	-3.15	4.37
7121.00	91.900	3.300	6590.77	709.63	709.75	-1.50	2.27
7153.00	91.500	2.600	6589.82	741.53	741.69	0.14	2.52
7184.00	91.500	2.600	6589.01	772.45	772.65	1.55	0.00
7216.00	90.600	2.600	6588.42	804.38	804.61	3.00	2.81
7248.00	90.100	1.900	6588.22	836.32	836.59	4.26	2.69
7280.00	89.500	0.800	6588.33	868.28	868.58	5.01	3.92
7312.00	90.000	359.400	6588.47	900.28	900.57	5.07	4.65
7343.00	91.100	0.100	6588.18	931.27	931.57	4.93	4.21
7375.00	89.900	0.400	6587.90	963.26	963.57	5.07	3.87
7407.00	90.400	359.700	6587.81	995.25	995.57	5.10	2.69
7439.00	90.000	359.700	6587.70	1027.24	1027.57	4.93	1.25
7471.00	89.500	359.400	6587.84	1059.24	1059.57	4.68	1.82
7503.00	89.000	359.000	6588.26	1091.24	1091.56	4.23	2.00
7534.00	90.400	359.400	6588.42	1122.24	1122.56	3.80	4.70
7566.00	90.600	359.700	6588.14	1154.23	1154.55	3.55	1.13
7597.00	90.000	358.700	6587.98	1185.23	1185.55	3.12	3.76
7628.00	90.300	358.700	6587.90	1216.23	1216.54	2.41	0.97
7660.00	90.000	358.700	6587.82	1248.23	1248.53	1.69	0.94
7692.00	90.000	358.700	6587.82	1280.23	1280.53	0.96	0.00
7724.00	89.600	358.300	6587.93	1312.23	1312.51	0.12	1.77
7756.00	89.700	358.000	6588.12	1344.23	1344.50	-0.91	0.99
7787.00	89.500	357.600	6588.34	1375.22	1375.47	-2.10	1.44
7819.00	90.000	358.300	6588.48	1407.22	1407.45	-3.24	2.69



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Area	Eddy County, NM	Well	Laguna Salada 22-3
Field	Laguna Salada Field	Wellbore	#22-3 AWB
Facility	Laguna Salada(McVay#7)		

WELLPATH DATA (174 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
7882.00	89.300	358.700	6588.86	1470.21	1470.43	-4.89	1.28
7946.00	89.100	357.300	6589.76	1534.20	1534.38	-7.13	2.21
8011.00	90.900	358.300	6589.76	1599.19	1599.33	-9.62	3.17
8073.00	90.400	358.300	6589.05	1661.18	1661.30	-11.46	0.81
8137.00	89.300	357.300	6589.22	1725.17	1725.25	-13.92	2.32
8201.00	90.900	358.000	6589.11	1789.15	1789.19	-16.54	2.73
8265.00	90.500	358.000	6588.33	1853.14	1853.15	-18.77	0.62
8328.00	90.400	358.000	6587.83	1916.13	1916.11	-20.97	0.16
8391.00	89.000	356.900	6588.16	1979.11	1979.04	-23.78	2.83
8454.00	89.400	357.300	6589.04	2042.08	2041.96	-26.96	0.90
8518.00	90.700	358.000	6588.99	2106.06	2105.90	-29.59	2.31
8582.00	91.000	358.000	6588.04	2170.05	2169.85	-31.82	0.47
8646.00	90.100	358.000	6587.42	2234.04	2233.81	-34.05	1.41
8709.00	88.900	356.900	6587.97	2297.02	2296.75	-36.86	2.58
8772.00	90.600	358.000	6588.25	2359.99	2359.68	-39.66	3.21
8835.00	90.200	357.000	6587.81	2422.98	2422.62	-42.41	1.71
8898.00	90.800	357.600	6587.26	2485.95	2485.54	-45.37	1.35
8961.00	91.500	358.200	6585.99	2548.93	2548.49	-47.68	1.46
9025.00	93.300	359.000	6583.31	2612.87	2612.41	-49.24	3.08
9088.00	92.500	359.400	6580.13	2675.79	2675.32	-50.12	1.42
9152.00	88.700	357.600	6579.46	2739.77	2739.28	-51.80	6.57
9215.00	93.100	359.000	6578.47	2802.74	2802.23	-53.67	7.33
9279.00	89.800	358.300	6576.85	2866.71	2866.18	-55.17	5.27
9343.00	90.100	358.300	6576.90	2930.71	2930.15	-57.07	0.47
9407.00	90.400	358.300	6576.63	2994.70	2994.13	-58.97	0.47
9471.00	89.900	358.300	6576.46	3058.70	3058.10	-60.87	0.78
9535.00	89.600	358.000	6576.74	3122.70	3122.06	-62.94	0.66
9598.00	91.200	358.700	6576.30	3185.69	3185.03	-64.75	2.77
9662.00	90.000	358.700	6575.63	3249.69	3249.01	-66.20	1.87
9725.00	90.700	358.700	6575.24	3312.68	3311.99	-67.63	1.11
9789.00	92.000	359.000	6573.73	3376.66	3375.96	-68.92	2.08
9853.00	91.100	359.000	6572.00	3440.64	3439.93	-70.03	1.41
9916.00	90.300	359.000	6571.23	3503.63	3502.91	-71.13	1.27
9981.00	89.400	358.700	6571.40	3568.63	3567.90	-72.44	1.46
10044.00	89.900	359.000	6571.79	3631.63	3630.88	-73.70	0.93
10108.00	90.300	359.400	6571.68	3695.63	3694.88	-74.59	0.88
10171.00	89.900	359.000	6571.57	3758.63	3757.87	-75.47	0.90
10235.00	90.600	359.400	6571.29	3822.63	3821.86	-76.37	1.26
10298.00	89.000	359.400	6571.51	3885.62	3884.86	-77.03	2.54
10361.00	87.700	359.400	6573.32	3948.59	3947.83	-77.69	2.06



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REFERENCE WELLPATH IDENTIFICATION			
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Area	Eddy County, NM	Well	Laguna Salada 22-3
Field	Laguna Salada Field	Wellbore	#22-3 AWB
Facility	Laguna Salada(McVay#7)		

WELLPATH DATA (174 stations)							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
10425.00	86.200	359.000	6576.73	4012.50	4011.73	-78.58	2.43
10488.00	86.200	358.000	6580.90	4075.36	4074.57	-80.22	1.58
10520.00	86.400	358.300	6582.97	4107.29	4106.48	-81.25	1.13
10584.00	87.400	358.700	6586.43	4171.19	4170.37	-82.93	1.68
10648.00	89.300	359.700	6588.27	4235.16	4234.33	-83.82	3.35
10711.00	89.900	359.400	6588.71	4298.15	4297.33	-84.32	1.06
10755.00	91.500	0.100	6588.17	4342.14	4341.32	-84.51	3.97
10838.00	90.600	359.700	6586.65	4425.11	4424.31	-84.65	1.19
10901.00	89.300	359.000	6586.71	4488.11	4487.30	-85.37	2.34
10965.00	90.300	359.000	6586.93	4552.10	4551.29	-86.48	1.56
11028.00	91.500	359.000	6585.94	4615.10	4614.27	-87.58	1.90
11092.00	90.200	358.200	6584.99	4679.09	4678.24	-89.15	2.38
11150.00	89.000	358.000	6585.40	4737.08	4736.21	-91.07	2.10
11200.00	88.400	358.000	6586.53	4787.06	4786.17	-92.81	1.20

TARGETS									
Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
22-3 PBHL		6580.00	4820.00	-100.00	650815.06	471810.18	32 17 47.697N	103 58 44.479W	point
330' FNL & 600' FWL									

WELLPATH COMPOSITION Ref Wellbore: #22-3 AWB Ref Wellpath: #22-3 AWP				
Start MD [feet]	End MD [feet]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	5900.00	Generic gyro - northseeking (Standard)	Gyro	#22-3 AWB
5900.00	11200.00	NaviTrak (Standard)	MWD	#22-3 AWB

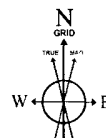
devon

Devon Energy

Location Eddy County, NM Slot 22-3_SHL
Field Laguna Salada Field Well Laguna Salada 22-3
Facility Laguna Salada (McVay#7) Wellbore #22-3AWB

BAKER
HUGHES
INTEQ

Plotted from survey points 22-3AWB	
True vertical depth was referenced to Rig on 22-3_SHL (RTS)	Grid System NAD83 / TM New Mexico State Plane Eastern Zone 10011 US Feet
Measured depth was referenced to Rig on 22-3_SHL (RTS)	Log Reference Grid north
Rig on 22-3_SHL (RTS) was used as Level 0 feet	Scale True Depth
Mean Easting was used as Level 0 feet	Log Reference Grid north
Coordinate was used as Level 0 feet	Grid north



8GGM (1945.0 to 2008.0) Dip 60.30° Field 49152.5 nT
Magnetic North is 8.37 degrees East of True North (at 09/11/06)
Grid North is 0.19 degrees East of True North
To correct azimuth from True to Grid subtract 0.19 degrees
To correct azimuth from Magnetic to Grid add 8.18 degrees

