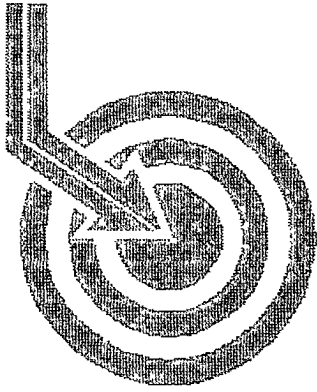


30.015.36738



Scientific Drilling

DEVON ENERGY

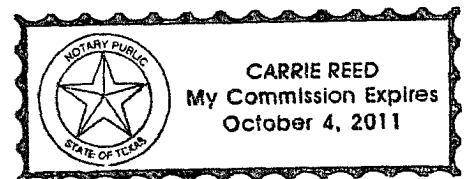
Field: Harroun
Site: Eddy County, NM
Well: Laguna Salado 22 Federal #5H
Wellpath: VH - Job #32K1108953
Survey: 11/29/08

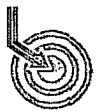
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Chick Carter.....Company Representative

Notorized this date 22nd of December, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: DEVON ENERGY
Field: Harroun
Site: Eddy County, NM
Well: Laguna Salado 22 Federal #5H
Wellpath: VH - Job #32K1108953

Date: 12/16/2008 Time: 21:06:18 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,65.29Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 11/29/08 Start Date: 11/29/2008
Company: Scientific Drilling Internatio Engineer: Melendez w/GeoGyro
Tool: Keeper;Keeper Gyro Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.22	4.64	99.99	0.52	1.06	0.09	1.22	1.06	4.64
200.00	1.19	7.44	199.97	1.60	3.15	0.31	0.07	3.17	5.56
300.00	1.28	10.57	299.95	2.79	5.28	0.65	0.11	5.32	6.98
400.00	1.15	14.14	399.92	4.07	7.35	1.10	0.15	7.43	8.48
500.00	1.00	21.12	499.91	5.32	9.14	1.66	0.20	9.29	10.27
600.00	1.06	15.32	599.89	6.54	10.84	2.21	0.12	11.07	11.54
700.00	0.92	23.11	699.88	7.73	12.47	2.77	0.19	12.78	12.54
800.00	0.79	17.71	799.86	8.79	13.87	3.30	0.15	14.26	13.38
900.00	0.55	6.65	899.86	9.51	15.00	3.56	0.27	15.42	13.36
1000.00	0.68	6.75	999.85	10.07	16.07	3.69	0.13	16.49	12.93
1100.00	0.46	11.58	1099.85	10.62	17.05	3.84	0.22	17.48	12.69
1200.00	0.09	298.18	1199.85	10.81	17.48	3.85	0.44	17.90	12.42
1300.00	0.13	313.34	1299.85	10.72	17.60	3.70	0.05	17.98	11.87
1400.00	0.15	232.10	1399.85	10.55	17.59	3.51	0.18	17.94	11.29
1500.00	0.24	213.47	1499.85	10.24	17.34	3.29	0.11	17.65	10.76
1600.00	0.53	189.04	1599.84	9.81	16.71	3.11	0.33	16.99	10.53
1700.00	0.62	168.63	1699.84	9.42	15.72	3.14	0.22	16.03	11.30
1800.00	0.79	145.57	1799.83	9.42	14.62	3.64	0.33	15.07	13.97
1900.00	0.74	141.40	1899.82	9.69	13.55	4.43	0.07	14.25	18.11
2000.00	0.62	134.78	1999.81	10.03	12.66	5.22	0.14	13.69	22.39
2100.00	0.34	125.85	2099.81	10.37	12.11	5.84	0.29	13.44	25.75
2200.00	0.45	99.59	2199.81	10.84	11.87	6.47	0.21	13.52	28.59
2300.00	1.14	83.74	2299.80	12.11	11.91	7.84	0.72	14.26	33.37
2400.00	1.57	85.29	2399.77	14.34	12.13	10.20	0.43	15.85	40.05
2500.00	1.68	86.34	2499.73	16.99	12.34	13.03	0.11	17.94	46.56
2600.00	2.13	92.40	2599.67	20.01	12.35	16.35	0.49	20.49	52.92
2700.00	2.45	99.40	2699.59	23.44	11.93	20.31	0.42	23.56	59.58
2800.00	2.47	103.78	2799.50	26.89	11.06	24.51	0.19	26.90	65.71
2900.00	2.43	104.66	2899.41	30.22	10.01	28.66	0.05	30.36	70.74
3000.00	2.35	102.76	2999.32	33.49	9.03	32.71	0.11	33.93	74.57
3100.00	1.98	105.38	3099.25	36.43	8.11	36.37	0.38	37.27	77.42
3200.00	1.97	101.14	3199.19	39.15	7.32	39.73	0.15	40.39	79.55
3300.00	1.47	96.99	3299.15	41.63	6.84	42.68	0.51	43.23	80.90
3400.00	1.50	95.04	3399.11	43.86	6.57	45.26	0.06	45.74	81.75
3500.00	1.56	99.29	3499.08	46.13	6.23	47.91	0.13	48.31	82.59
3600.00	1.19	103.12	3599.05	48.08	5.77	50.26	0.38	50.59	83.45
3700.00	1.13	99.03	3699.03	49.72	5.38	52.25	0.10	52.53	84.12
3800.00	0.95	80.85	3799.01	51.33	5.36	54.04	0.37	54.31	84.33
3900.00	0.66	67.72	3899.00	52.71	5.71	55.39	0.34	55.69	84.11
4000.00	0.57	66.37	3999.00	53.78	6.13	56.38	0.09	56.71	83.80
4100.00	0.57	36.09	4098.99	54.71	6.73	57.13	0.30	57.52	83.28
4200.00	0.78	41.03	4198.99	55.77	7.65	57.87	0.22	58.37	82.47
4300.00	0.67	27.55	4298.98	56.85	8.68	58.59	0.20	59.23	81.57
4400.00	0.66	12.93	4398.97	57.66	9.76	58.99	0.17	59.79	80.61
4500.00	0.67	24.18	4498.96	58.46	10.85	59.35	0.13	60.34	79.64
4600.00	0.61	10.34	4598.96	59.20	11.91	59.69	0.17	60.87	78.72
4700.00	0.59	14.99	4698.95	59.84	12.93	59.92	0.05	61.30	77.82
4800.00	0.73	8.41	4798.95	60.51	14.06	60.14	0.16	61.77	76.84



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: DEVON ENERGY

Field: Harroun

Site: Eddy County, NM

Well: Laguna Salado 22 Federal #5H

Wellpath: VH - Job #32K1108953

Date: 12/16/2008

Co-ordinate(NE) Reference:

Vertical (TVD) Reference:

Section (VS) Reference:

Survey Calculation Method:

Time: 21:06:18

Site: Eddy County, NM, Grid North

SITE 0.0

Well (0.00N,0.00E,65.29Azi)

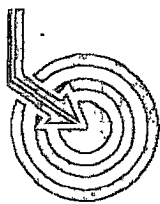
Minimum Curvature

Page: 2

Db: Sybase

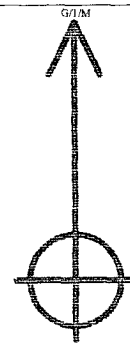
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.61	348.96	4898.94	60.99	15.21	60.14	0.26	62.03	75.81
5000.00	0.63	327.35	4998.93	61.04	16.20	59.74	0.23	61.89	74.83
5100.00	0.54	328.39	5098.93	60.91	17.06	59.19	0.09	61.60	73.92
5200.00	0.69	317.36	5198.92	60.66	17.90	58.54	0.19	61.22	72.99
5300.00	0.53	320.26	5298.92	60.36	18.70	57.84	0.16	60.78	72.08
5400.00	0.70	320.96	5398.91	60.09	19.53	57.15	0.17	60.40	71.13
5500.00	0.77	313.95	5498.90	59.69	20.47	56.29	0.11	59.89	70.01
5600.00	0.62	317.49	5598.90	59.28	21.34	55.44	0.16	59.40	68.95
5700.00	0.64	284.63	5698.89	58.68	21.88	54.53	0.36	58.76	68.14
5800.00	0.86	300.34	5798.88	57.82	22.40	53.34	0.30	57.85	67.22
5900.00	0.53	298.19	5898.87	57.11	23.00	52.29	0.33	57.12	66.26
6000.00	0.47	337.62	5998.87	56.85	23.59	51.72	0.34	56.85	65.48
6020.00	0.60	334.45	6018.87	56.85	23.76	51.65	0.67	56.85	65.29



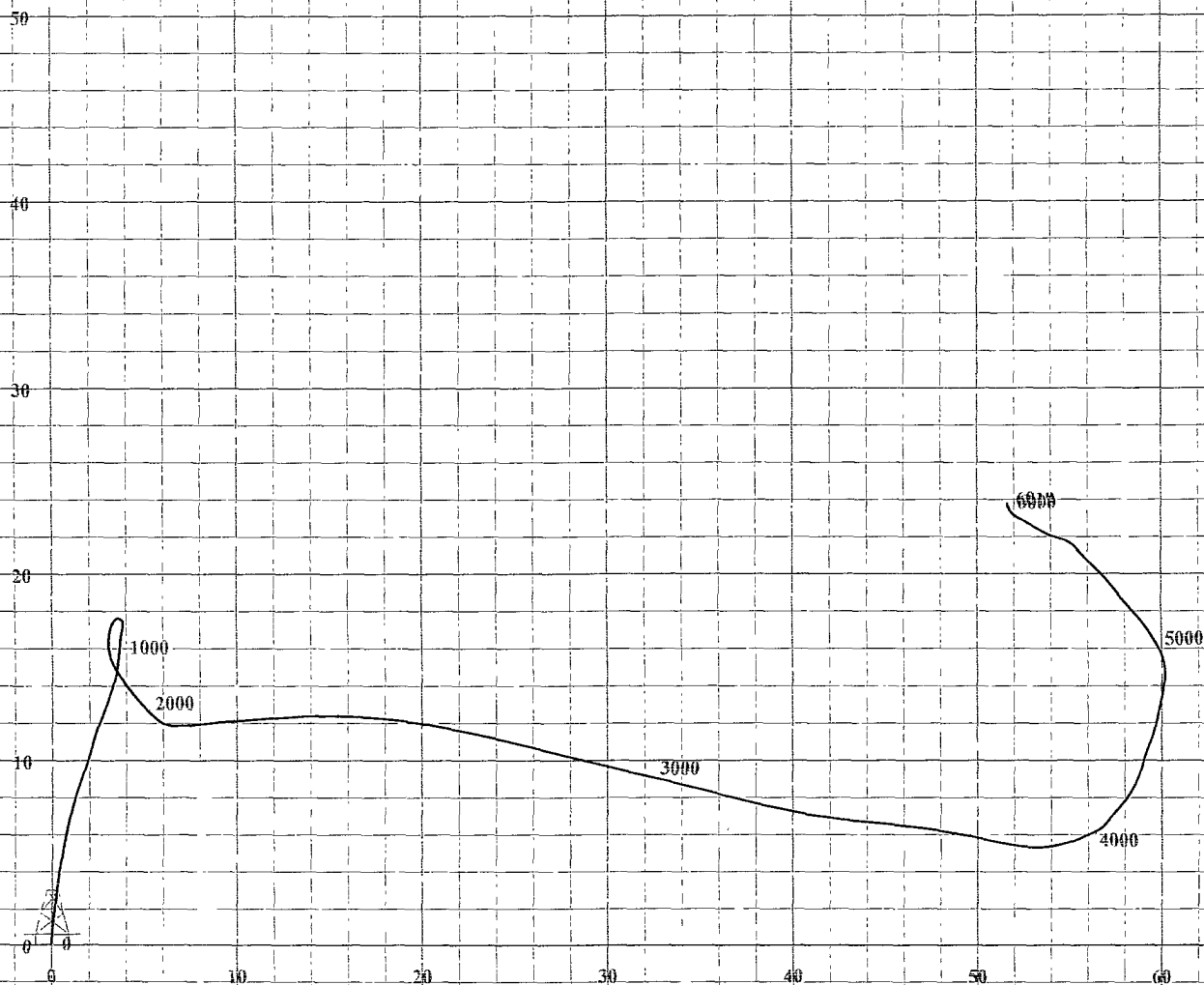
Scientific
Drilling

Field: Harroun
Site: Eddy County, NM
Well: Laguna Salado 22 Federal #5H
Wellpath: VH - Job #32K1108953
Survey: 11/29/08



Azimuth to Grid North:
True North: 0.00°
Magnetic North: 0.00°
Magnetic Inclination:
Strength: 0.1
Loop Angle: 0.00°
Date: 12/16/2008
Model: gni2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]

LS 22 Fed #5H Final MWD Survey Report 12-16-08.txt

Devon Energy
Laguna Salado 22 Fed #5H - MWD Survey #1

Eddy Co., New Mexico (Nad 83)
Laguna Salado 22 Fed #5H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
6020.00	0.600	334.260	6018.87	23.94 N	51.57 E	-21.35
0.00						
6028.00	0.500	252.400	6026.87	23.96 N	51.52 E	-21.38
9.06						
6060.00	0.400	228.100	6058.87	23.85 N	51.30 E	-21.28
0.67						
6092.00	2.200	148.800	6090.86	23.25 N	51.54 E	-20.66
6.76						
6124.00	6.000	144.600	6122.77	21.36 N	52.82 E	-18.71
11.90						
6156.00	9.000	152.200	6154.50	17.78 N	54.96 E	-15.03
9.85						
6188.00	11.000	161.300	6186.01	12.67 N	57.11 E	-9.83
7.95						
6220.00	13.300	167.000	6217.29	6.19 N	58.91 E	-3.27
8.10						
6251.00	15.400	170.000	6247.32	1.34 S	60.43 E	4.33
7.18						
6283.00	19.000	167.600	6277.89	10.61 S	62.29 E	13.68
11.46						
6315.00	21.100	163.300	6307.95	21.22 S	65.06 E	24.42
8.01						
6347.00	23.800	162.100	6337.52	32.88 S	68.70 E	36.24
8.56						
6379.00	27.300	163.000	6366.39	46.05 S	72.83 E	49.60
11.00						
6410.00	31.100	162.800	6393.44	60.50 S	77.28 E	64.25
12.26						
6442.00	34.200	162.300	6420.38	76.97 S	82.46 E	80.96
9.72						
6474.00	37.200	161.300	6446.37	94.70 S	88.30 E	98.96
9.55						
6507.00	41.100	161.400	6471.95	114.44 S	94.96 E	119.00
11.82						
6539.00	46.500	160.900	6495.04	135.39 S	102.12 E	140.28
16.91						
6571.00	50.400	158.900	6516.26	157.87 S	110.36 E	163.14
13.05						
6603.00	55.700	158.900	6535.49	181.72 S	119.56 E	187.42
16.56						
6635.00	62.400	158.700	6551.94	207.29 S	129.48 E	213.45
20.94						
6667.00	68.200	158.300	6565.31	234.33 S	140.13 E	240.98
18.16						
6698.00	74.000	159.800	6575.34	261.71 S	150.61 E	268.85
19.26						
6730.00	80.400	163.500	6582.43	291.31 S	160.41 E	298.90
22.96						
6762.00	86.200	166.000	6586.16	321.95 S	168.76 E	329.92
19.71						

LS 22 Fed #5H Final MWD Survey Report 12-16-08.txt

6794.00	87.200	167.300	6588.01	353.04 S	176.14 E	361.33
5.12						
6826.00	88.000	168.900	6589.35	384.32 S	182.73 E	392.90
5.59						
6858.00	88.300	168.900	6590.38	415.71 S	188.89 E	424.55
0.94						
6889.00	88.600	169.500	6591.22	446.14 S	194.70 E	455.24
2.16						
6921.00	90.900	170.600	6591.36	477.66 S	200.22 E	486.99
7.97						
6953.00	93.000	172.900	6590.27	509.31 S	204.81 E	518.83
9.73						
6985.00	94.100	173.800	6588.29	541.03 S	208.51 E	550.70
4.44						
7016.00	93.500	175.000	6586.23	571.81 S	211.53 E	581.59
4.32						
7048.00	94.200	176.700	6584.08	603.66 S	213.84 E	613.51
5.73						
7080.00	93.700	176.700	6581.88	635.53 S	215.68 E	645.43
1.56						
7111.00	92.300	177.700	6580.26	666.45 S	217.19 E	676.39
5.55						
7143.00	90.500	178.300	6579.48	698.42 S	218.31 E	708.37
5.93						
7174.00	88.900	178.300	6579.64	729.40 S	219.23 E	739.37
5.16						
7206.00	88.600	178.300	6580.34	761.38 S	220.18 E	771.35
0.94						
7237.00	88.500	177.500	6581.12	792.35 S	221.31 E	802.34
2.60						
7268.00	88.500	179.300	6581.93	823.32 S	222.18 E	833.32
5.80						
7300.00	88.900	179.600	6582.66	855.31 S	222.48 E	865.29
1.56						
7332.00	90.200	180.700	6582.91	887.31 S	222.40 E	897.24
5.32						
7364.00	90.300	180.700	6582.77	919.31 S	222.01 E	929.18
0.31						
7396.00	90.500	180.400	6582.55	951.31 S	221.70 E	961.12
1.13						
7428.00	90.300	179.700	6582.32	983.31 S	221.67 E	993.08
2.27						
7459.00	90.400	178.800	6582.13	1014.30 S	222.08 E	1024.06
2.92						
7491.00	89.200	181.000	6582.24	1046.30 S	222.14 E	1056.02
7.83						
7523.00	88.900	181.700	6582.78	1078.29 S	221.38 E	1087.93
2.38						
7555.00	89.100	182.400	6583.33	1110.26 S	220.24 E	1119.81
2.27						
7587.00	89.100	184.900	6583.84	1142.19 S	218.20 E	1151.60
7.81						
7619.00	89.000	186.400	6584.37	1174.03 S	215.05 E	1183.24
4.70						
7650.00	89.100	185.800	6584.88	1204.85 S	211.76 E	1213.86
1.96						
7682.00	89.600	186.000	6585.24	1236.68 S	208.47 E	1245.49
1.68						
7714.00	89.500	185.800	6585.50	1268.51 S	205.18 E	1277.11
0.70						
7746.00	90.500	186.000	6585.50	1300.34 S	201.89 E	1308.74
3.19						
7778.00	91.300	186.500	6584.99	1332.14 S	198.41 E	1340.34

LS 22 Fed #5H Final MWD Survey Report 12-16-08.txt

2.95	7809.00	91.700	187.800	6584.18	1362.89 S	194.55 E	1370.86
4.39	7841.00	91.700	186.800	6583.23	1394.62 S	190.48 E	1402.34
3.12	7873.00	91.500	186.300	6582.34	1426.39 S	186.84 E	1433.90
1.68	7905.00	90.500	185.000	6581.78	1458.23 S	183.69 E	1465.54
5.12	7936.00	90.200	184.300	6581.59	1489.13 S	181.17 E	1496.28
2.46	7968.00	90.400	184.200	6581.42	1521.04 S	178.80 E	1528.03
0.70	8000.00	90.300	183.300	6581.23	1552.97 S	176.71 E	1559.82
2.83	8032.00	90.400	183.200	6581.03	1584.92 S	174.89 E	1591.64
0.44	8064.00	88.500	181.900	6581.34	1616.89 S	173.47 E	1623.49
7.19	8096.00	87.400	181.700	6582.48	1648.85 S	172.47 E	1655.37
3.49	8127.00	87.200	180.600	6583.94	1679.81 S	171.84 E	1686.26
3.60	8159.00	88.200	180.700	6585.23	1711.78 S	171.48 E	1718.17
3.14	8191.00	89.500	180.800	6585.87	1743.77 S	171.06 E	1750.10
4.07	8222.00	89.100	181.200	6586.25	1774.76 S	170.52 E	1781.03
1.82	8251.00	88.200	181.600	6586.93	1803.74 S	169.81 E	1809.94
3.40	8283.00	88.600	182.000	6587.83	1835.72 S	168.81 E	1841.83
1.77	8315.00	89.800	179.900	6588.27	1867.71 S	168.28 E	1873.75
7.56	8347.00	89.800	178.500	6588.38	1899.70 S	168.73 E	1905.73
4.37	8379.00	90.400	180.300	6588.33	1931.70 S	169.06 E	1937.70
5.93	8411.00	91.300	179.500	6587.85	1963.69 S	169.12 E	1969.66
3.76	8442.00	91.400	180.000	6587.12	1994.69 S	169.25 E	2000.62
1.64	8474.00	89.100	179.600	6586.98	2026.68 S	169.36 E	2032.59
7.30	8506.00	88.800	179.200	6587.57	2058.68 S	169.70 E	2064.56
1.56	8538.00	86.900	179.900	6588.77	2090.65 S	169.95 E	2096.50
6.33	8570.00	86.800	179.900	6590.53	2122.60 S	170.01 E	2128.42
0.31	8601.00	86.800	181.600	6592.26	2153.55 S	169.60 E	2159.31
5.48	8633.00	87.300	182.100	6593.91	2185.49 S	168.57 E	2191.16
2.21	8665.00	87.800	182.600	6595.27	2217.43 S	167.26 E	2223.00
2.21	8697.00	89.000	183.600	6596.17	2249.37 S	165.53 E	2254.81
4.88	8729.00	89.200	184.200	6596.67	2281.30 S	163.35 E	2286.59
1.98	8760.00	89.800	184.300	6596.94	2312.21 S	161.05 E	2317.35
1.96							

	LS	22 Fed #5H	Final MWD	Survey Report	12-16-08.txt	
8792.00	89.900	183.600	6597.03	2344.13 S	158.85 E	2349.12
2.21						
8824.00	91.000	183.000	6596.77	2376.08 S	157.01 E	2380.94
3.92						
8856.00	91.200	183.200	6596.16	2408.03 S	155.28 E	2412.76
0.88						
8888.00	91.000	183.500	6595.55	2439.97 S	153.41 E	2444.57
1.13						
8919.00	90.500	182.900	6595.14	2470.91 S	151.68 E	2475.39
2.52						
8951.00	90.500	182.600	6594.86	2502.88 S	150.14 E	2507.24
0.94						
8982.00	91.300	182.400	6594.37	2533.84 S	148.79 E	2538.10
2.66						
9014.00	92.000	183.100	6593.45	2565.79 S	147.26 E	2569.94
3.09						
9046.00	91.300	182.900	6592.53	2597.73 S	145.58 E	2601.76
2.27						
9078.00	90.100	181.600	6592.14	2629.71 S	144.33 E	2633.63
5.53						
9109.00	89.100	180.700	6592.36	2660.70 S	143.70 E	2664.55
4.34						
9141.00	88.700	179.200	6592.97	2692.69 S	143.73 E	2696.51
4.85						
9173.00	88.700	179.400	6593.70	2724.68 S	144.12 E	2728.48
0.62						
9205.00	89.100	179.300	6594.31	2756.67 S	144.49 E	2760.45
1.29						
9236.00	89.000	179.400	6594.82	2787.67 S	144.84 E	2791.42
0.46						
9268.00	88.700	179.100	6595.47	2819.66 S	145.26 E	2823.39
1.33						
9354.00	88.700	178.400	6597.42	2905.61 S	147.13 E	2909.34
0.81						
9403.00	88.700	178.400	6598.53	2954.58 S	148.50 E	2958.31
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. Northings and Eastings are relative to well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 177.160° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.191°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 9403.00ft., the Bottom Hole Displacement is 2958.31ft., in the Direction of 177.160° (Grid).