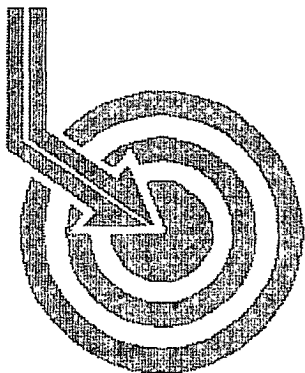




Scientific Drilling

DEVON ENERGY

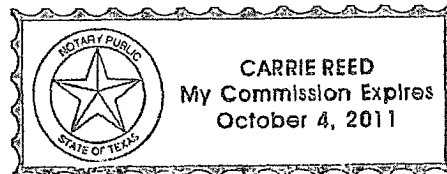
Field: Delaware
Site: Eddy County, NM
Well: North Pure Gold 8 Federal #12H
Wellpath: VH - Job #32K1209539
Survey: 12/08/09

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

.....Shawn..... Company Representative

Notorized this date 31st of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: DEVON ENERGY
Field: Delaware
Site: Eddy County, NM
Well: North Pure Gold 8 Federal #12H
Wellpath: VH - Job #32K1209539

Date: 12/09/2009 Time: 13:00:05 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,0.85Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/08/09 Start Date: 12/08/2009
KSRG 0'-7176'
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro Engineer: Madrid w/Apollo
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	359.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.32	220.08	100.00	-0.22	-0.21	-0.18	0.32	0.28	220.08
200.00	0.37	230.22	200.00	-0.64	-0.63	-0.61	0.08	0.86	223.79
300.00	0.37	247.75	300.00	-0.98	-0.96	-1.15	0.11	1.50	230.18
400.00	0.37	227.95	399.99	-1.33	-1.30	-1.69	0.13	2.14	232.46
500.00	0.55	271.89	499.99	-1.54	-1.50	-2.41	0.38	2.84	238.10
600.00	0.32	277.54	599.99	-1.50	-1.45	-3.17	0.23	3.48	245.43
700.00	0.33	296.31	699.99	-1.34	-1.28	-3.70	0.11	3.92	250.87
800.00	0.24	260.88	799.98	-1.25	-1.19	-4.17	0.19	4.34	254.06
900.00	0.09	296.15	899.98	-1.25	-1.19	-4.45	0.17	4.60	255.03
1000.00	0.05	327.57	999.98	-1.18	-1.12	-4.54	0.05	4.68	256.17
1100.00	0.23	334.70	1099.98	-0.97	-0.90	-4.65	0.18	4.74	259.05
1200.00	0.38	350.28	1199.98	-0.46	-0.39	-4.79	0.17	4.81	265.33
1300.00	0.54	347.27	1299.98	0.32	0.40	-4.95	0.16	4.97	274.57
1400.00	0.39	341.34	1399.98	1.10	1.18	-5.16	0.16	5.30	282.85
1500.00	0.33	345.33	1499.97	1.70	1.78	-5.35	0.06	5.63	288.40
1600.00	0.28	2.40	1599.97	2.22	2.30	-5.41	0.10	5.88	293.05
1700.00	0.21	0.09	1699.97	2.65	2.73	-5.40	0.07	6.05	296.82
1800.00	0.08	293.47	1799.97	2.86	2.94	-5.46	0.19	6.20	298.29
1900.00	0.15	320.27	1899.97	2.98	3.07	-5.61	0.09	6.39	298.68
2000.00	0.19	287.61	1999.97	3.13	3.22	-5.85	0.10	6.68	298.82
2100.00	0.37	264.45	2099.97	3.14	3.24	-6.33	0.21	7.11	297.09
2200.00	0.79	229.65	2199.96	2.65	2.76	-7.18	0.53	7.69	291.04
2300.00	0.48	241.55	2299.96	1.99	2.11	-8.07	0.34	8.34	284.68
2400.00	0.44	260.12	2399.96	1.72	1.85	-8.82	0.15	9.01	281.84
2500.00	0.49	314.26	2499.95	1.94	2.08	-9.50	0.43	9.73	282.36
2600.00	1.38	313.06	2599.94	3.04	3.20	-10.69	0.89	11.16	286.68
2700.00	1.51	282.49	2699.91	4.12	4.31	-12.85	0.77	13.56	288.53
2800.00	1.70	257.16	2799.87	4.03	4.26	-15.59	0.73	16.16	285.30
2900.00	1.53	246.91	2899.83	3.14	3.41	-18.26	0.33	18.58	280.58
3000.00	1.47	241.12	2999.80	1.96	2.27	-20.61	0.16	20.74	276.28
3100.00	1.38	233.44	3099.77	0.59	0.93	-22.70	0.21	22.72	272.35
3200.00	1.39	156.15	3199.74	-1.24	-0.90	-23.18	1.73	23.20	267.79
3300.00	3.06	143.47	3299.67	-4.46	-4.15	-21.10	1.73	21.50	258.87
3400.00	4.19	138.99	3399.46	-9.30	-9.05	-17.11	1.16	19.36	242.13
3500.00	4.09	136.88	3499.20	-14.59	-14.41	-12.28	0.18	18.93	220.43
3600.00	5.01	135.72	3598.89	-20.24	-20.14	-6.79	0.92	21.25	198.64
3700.00	5.71	143.59	3698.45	-27.28	-27.27	-0.79	1.01	27.28	181.66
3800.00	5.52	148.42	3797.97	-35.30	-35.37	4.68	0.51	35.68	172.46
3900.00	4.81	152.87	3897.56	-43.06	-43.20	9.11	0.81	44.15	168.09
4000.00	3.70	159.86	3997.29	-49.78	-49.96	12.13	1.22	51.41	166.35
4100.00	3.22	160.34	4097.11	-55.42	-55.63	14.19	0.48	57.42	165.69
4200.00	2.98	160.03	4196.96	-60.48	-60.72	16.02	0.24	62.80	165.22
4300.00	2.54	155.85	4296.84	-64.92	-65.19	17.82	0.48	67.58	164.71
4400.00	2.53	155.62	4396.74	-68.92	-69.22	19.63	0.01	71.95	164.16
4500.00	2.43	151.63	4496.65	-72.77	-73.10	21.55	0.20	76.21	163.57
4600.00	2.22	151.39	4596.57	-76.30	-76.66	23.49	0.21	80.18	162.97
4700.00	1.85	152.80	4696.51	-79.42	-79.80	25.15	0.37	83.67	162.50
4800.00	1.68	153.95	4796.46	-82.15	-82.55	26.53	0.17	86.71	162.18



Scientific
Drilling

Scientific Drilling International Survey Report

Company: DEVON ENERGY	Date: 12/09/2009	Time: 13:00:05	Page: 2
Field: Delaware	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: North Pure Gold 8 Federal #12H	Section (VS) Reference:	Well (0.00N,0.00E,0.85Azi)	
Wellpath: VH - Job #32K1209539	Survey Calculation Method:	Minimum Curvature	Db: Sybase

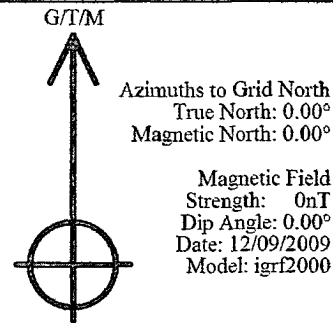
Survey

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	1.37	160.48	4896.42	-84.57	-84.99	27.58	0.35	89.36	162.02
5000.00	1.16	172.05	4996.40	-86.70	-87.12	28.12	0.33	91.55	162.11
5100.00	0.93	174.92	5096.38	-88.50	-88.93	28.33	0.24	93.34	162.33
5200.00	0.85	176.73	5196.37	-90.05	-90.48	28.44	0.08	94.85	162.55
5300.00	0.74	175.15	5296.36	-91.43	-91.87	28.54	0.11	96.20	162.74
5400.00	0.70	187.68	5396.35	-92.68	-93.12	28.51	0.16	97.38	162.98
5500.00	0.71	181.90	5496.34	-93.91	-94.34	28.41	0.07	98.52	163.24
5600.00	0.49	196.59	5596.34	-94.94	-95.37	28.27	0.27	99.47	163.49
5700.00	0.47	201.74	5696.34	-95.73	-96.16	27.99	0.05	100.15	163.77
5800.00	0.58	191.64	5796.33	-96.61	-97.04	27.74	0.14	100.92	164.05
5900.00	0.69	209.10	5896.33	-97.64	-98.06	27.34	0.22	101.80	164.42
6000.00	0.61	189.98	5996.32	-98.70	-99.11	26.96	0.23	102.71	164.78
6100.00	0.64	199.90	6096.31	-99.75	-100.16	26.68	0.11	103.65	165.09
6200.00	0.88	213.64	6196.30	-100.92	-101.32	26.06	0.30	104.62	165.58
6300.00	0.85	218.12	6296.29	-102.16	-102.55	25.18	0.07	105.59	166.20
6400.00	0.80	224.72	6396.28	-103.25	-103.62	24.23	0.11	106.42	166.84
6500.00	0.77	227.34	6496.27	-104.22	-104.58	23.24	0.05	107.13	167.47
6600.00	0.84	232.70	6596.26	-105.14	-105.48	22.17	0.10	107.78	168.13
6700.00	0.59	233.67	6696.26	-105.90	-106.22	21.17	0.25	108.31	168.73
6800.00	0.55	229.66	6796.25	-106.53	-106.84	20.39	0.06	108.77	169.20
6900.00	0.39	236.13	6896.25	-107.04	-107.34	19.74	0.17	109.14	169.58
7000.00	0.28	231.10	6996.25	-107.39	-107.68	19.27	0.11	109.39	169.86
7100.00	0.42	226.04	7096.24	-107.80	-108.09	18.81	0.14	109.72	170.13
7176.00	0.31	214.74	7172.24	-108.17	-108.45	18.50	0.17	110.02	170.32

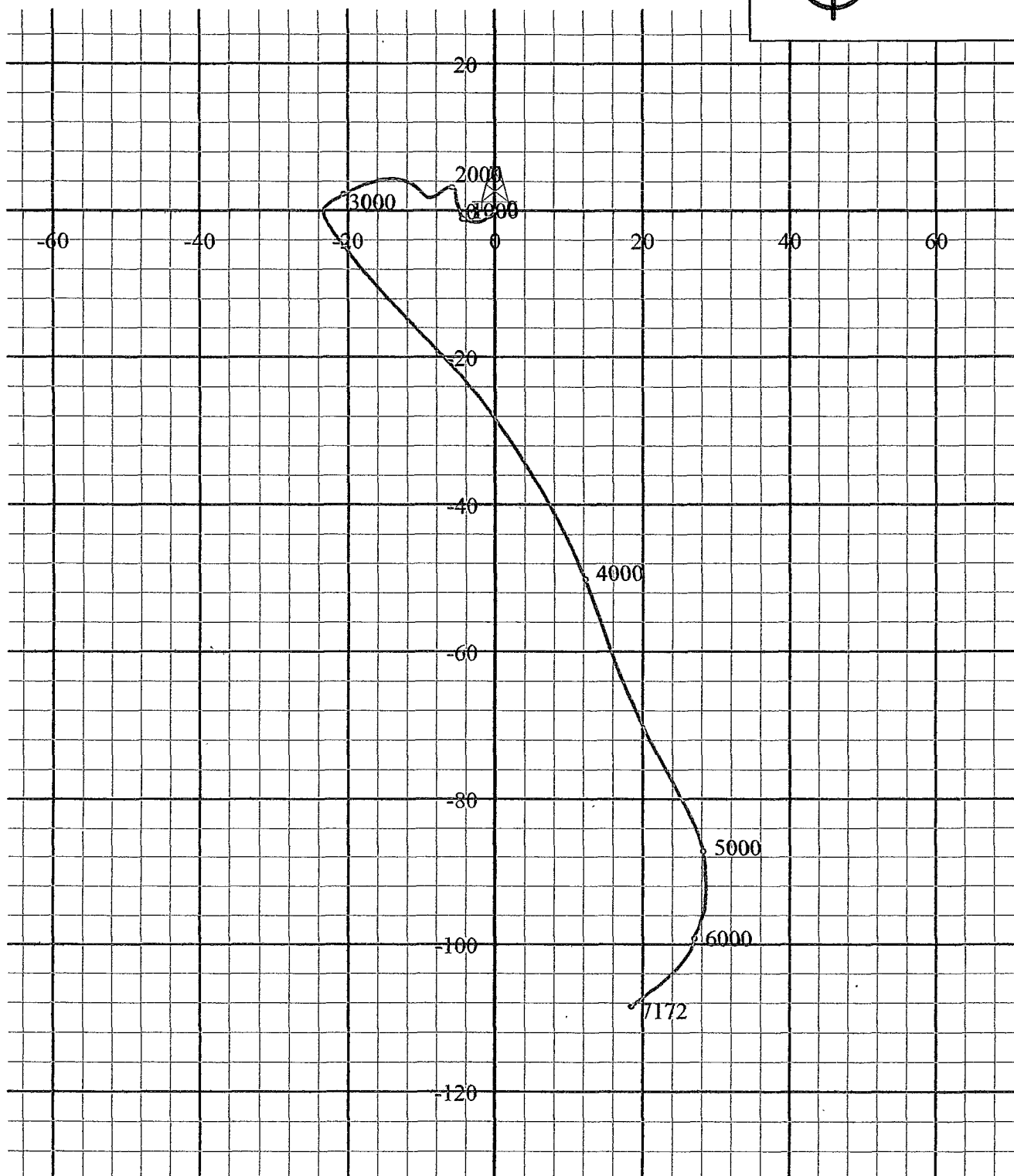


Scientific
Drilling

Field: Delaware
Site: Eddy County, NM
Well: North Pure Gold 8 Federal #12H
Wellpath: VH - Job #32K1209539
Survey: 12/08/09



South(-)/North(+) [20ft/in]



West(-)/East(+) [20ft/in]