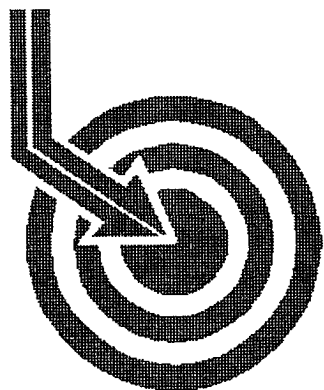




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POGO

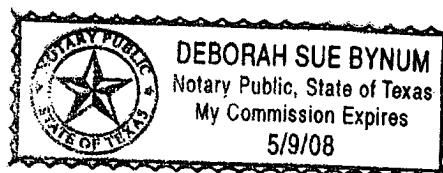
Field: Wildcat
Site: Eddy County, NM
Well: Vortex 22 #1
Wellpath: VH - Job #32K0506386
Survey: 05/13/06

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

.....*Richard*.....Company Representative

Notorized this date 20th of June, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: POGO
Field: Wildcat
Site: Eddy County, NM
Well: Vortex 22 #1
Wellpath: VH - Job #32K0506386

Date: 06/20/2006 Time: 19:55:01 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,198.41Azi)
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	0.94	261.85	4899.22	-34.24	28.21	23.67	0.24	36.82	40.00
5000.00	0.87	260.31	4999.21	-33.51	27.96	22.11	0.07	35.65	38.34
5100.00	0.96	258.28	5099.19	-32.74	27.66	20.54	0.10	34.46	36.60
5200.00	0.93	254.52	5199.18	-31.86	27.28	18.94	0.07	33.21	34.77
5300.00	0.86	249.93	5299.17	-30.94	26.80	17.45	0.10	31.98	33.07
5400.00	0.68	243.61	5399.16	-30.06	26.28	16.22	0.20	30.88	31.68
5500.00	0.87	238.87	5499.15	-29.06	25.63	15.04	0.20	29.71	30.40
5600.00	0.83	240.72	5599.14	-27.95	24.88	13.75	0.05	28.43	28.93
5700.00	0.95	237.64	5699.13	-26.77	24.08	12.42	0.13	27.10	27.29
5800.00	1.04	228.87	5799.11	-25.35	23.04	11.04	0.18	25.55	25.60
5900.00	1.17	207.46	5899.09	-23.56	21.54	9.88	0.43	23.70	24.65
6000.00	1.11	206.48	5999.07	-21.59	19.76	8.98	0.06	21.71	24.44
6100.00	1.29	216.41	6099.05	-19.56	17.99	7.88	0.27	19.64	23.65
6200.00	1.31	204.06	6199.03	-17.35	16.04	6.75	0.28	17.40	22.81
6300.00	1.48	203.08	6299.00	-14.93	13.81	5.77	0.17	14.97	22.69
6400.00	1.47	194.59	6398.96	-12.36	11.38	4.94	0.22	12.41	23.48
6500.00	1.44	201.18	6498.93	-9.83	8.97	4.17	0.17	9.89	24.93
6600.00	1.29	200.46	6598.90	-7.45	6.74	3.32	0.15	7.51	26.22
6700.00	1.32	213.43	6698.88	-5.21	4.73	2.29	0.30	5.25	25.88
6800.00	1.34	214.63	6798.85	-2.97	2.80	0.99	0.03	2.97	19.52
6900.00	1.07	184.63	6898.83	-0.94	0.91	0.25	0.68	0.94	15.57
7000.00	1.06	199.81	6998.81	0.89	-0.89	-0.14	0.28	0.90	188.64
7100.00	1.74	198.97	7098.78	3.33	-3.20	-0.94	0.68	3.33	196.42
7200.00	1.92	194.05	7198.73	6.52	-6.26	-1.84	0.24	6.52	196.41
7300.00	2.47	201.59	7298.66	10.34	-9.89	-3.04	0.62	10.34	197.10
7400.00	2.44	202.04	7398.56	14.62	-13.86	-4.63	0.04	14.62	198.48
7440.00	2.69	194.05	7438.52	16.40	-15.56	-5.18	1.09	16.40	198.41

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Scientific Drilling International

Survey Report

Company: POGO
Field: Wildcat
Site: Eddy County, NM
Well: Vortex 22 #1
Wellpath: VH - Job #32K0506386

Date: 06/20/2006 Time: 19:55:01 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,198.41Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 05/13/06
KSRG 0°-7440'

Start Date: 05/13/2006

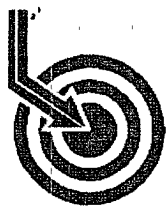
Company: Scientific Drilling Internatio
Tool: Keeper, Keeper Gyro

Engineer: Madrid w/Signal
Tied-to: From Surface

CONFIDENTIAL

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	0.36	231.22	100.00	0.26	-0.20	-0.24	0.36	0.31	231.22
200.00	0.35	305.49	200.00	0.44	-0.22	-0.74	0.43	0.77	253.68
300.00	0.62	337.71	299.99	-0.06	0.46	-1.19	0.37	1.28	291.17
400.00	0.89	348.03	399.99	-1.14	1.72	-1.56	0.30	2.32	317.85
500.00	0.99	0.84	499.97	-2.64	3.35	-1.71	0.23	3.76	332.97
600.00	1.00	359.36	599.96	-4.28	5.08	-1.70	0.03	5.36	341.46
700.00	0.88	357.62	699.94	-5.83	6.72	-1.75	0.12	6.94	345.44
800.00	0.96	6.09	799.93	-7.36	8.32	-1.69	0.16	8.49	348.53
900.00	0.95	358.49	899.92	-8.96	9.98	-1.62	0.13	10.11	350.77
1000.00	0.99	13.73	999.90	-10.60	11.65	-1.44	0.26	11.74	352.96
1100.00	1.07	10.83	1099.89	-12.39	13.41	-1.06	0.10	13.45	355.49
1200.00	1.32	6.97	1199.86	-14.44	15.47	-0.74	0.26	15.49	357.25
1300.00	1.55	358.17	1299.83	-16.84	17.96	-0.65	0.32	17.98	357.94
1400.00	1.76	352.13	1399.79	-19.49	20.84	-0.90	0.27	20.86	357.53
1500.00	1.65	349.09	1499.75	-22.12	23.77	-1.38	0.14	23.81	356.67
1600.00	1.44	351.85	1599.71	-24.50	26.43	-1.83	0.22	26.49	356.03
1700.00	0.56	356.57	1699.70	-26.07	28.16	-2.04	0.88	28.23	355.86
1800.00	0.43	13.00	1799.69	-26.90	29.01	-1.99	0.19	29.08	356.09
1900.00	0.67	36.59	1899.69	-27.83	29.85	-1.55	0.33	29.89	357.02
2000.00	1.12	41.93	1999.67	-29.28	31.05	-0.55	0.46	31.05	358.98
2100.00	1.35	45.47	2099.65	-31.23	32.60	0.94	0.24	32.61	1.66
2200.00	1.32	38.06	2199.62	-33.36	34.33	2.49	0.18	34.42	4.15
2300.00	1.38	54.93	2299.60	-35.41	35.93	4.19	0.40	36.17	6.65
2400.00	1.71	83.52	2399.56	-37.01	36.79	6.66	0.83	37.39	10.25
2500.00	1.70	81.68	2499.52	-38.30	37.17	9.61	0.06	38.39	14.49
2600.00	1.83	102.84	2599.47	-39.13	37.03	12.63	0.66	39.13	18.83
2700.00	1.90	123.32	2699.42	-38.86	35.77	15.57	0.67	39.01	23.53
2800.00	2.17	123.70	2799.36	-37.93	33.81	18.53	0.27	38.55	28.73
2900.00	1.79	124.73	2899.30	-36.99	31.87	21.39	0.38	38.38	33.87
3000.00	0.81	107.84	2999.27	-36.56	30.76	23.35	1.04	38.62	37.20
3100.00	0.48	93.60	3099.26	-36.67	30.52	24.44	0.36	39.10	38.69
3200.00	0.49	95.66	3199.26	-36.88	30.45	25.28	0.02	39.58	39.70
3300.00	0.50	102.59	3299.26	-37.01	30.31	26.13	0.06	40.02	40.77
3400.00	0.45	110.73	3399.25	-37.04	30.08	26.93	0.08	40.37	41.84
3500.00	0.45	99.38	3499.25	-37.09	29.87	27.68	0.09	40.73	42.82
3600.00	0.28	118.13	3599.25	-37.11	29.70	28.28	0.21	41.01	43.61
3700.00	0.22	116.48	3699.25	-37.04	29.49	28.67	0.06	41.13	44.19
3800.00	0.42	126.82	3799.24	-36.90	29.19	29.14	0.21	41.24	44.95
3900.00	0.15	134.59	3899.24	-36.72	28.88	29.52	0.27	41.30	45.63
4000.00	0.14	226.93	3999.24	-36.56	28.70	29.53	0.21	41.18	45.81
4100.00	0.25	275.45	4099.24	-36.40	28.64	29.22	0.19	40.92	45.58
4200.00	0.27	275.28	4199.24	-36.30	28.68	28.77	0.02	40.62	45.09
4300.00	0.28	266.98	4299.24	-36.16	28.69	28.29	0.04	40.29	44.60
4400.00	0.28	260.21	4399.24	-35.95	28.64	27.81	0.03	39.92	44.16
4500.00	0.32	278.45	4499.24	-35.79	28.64	27.29	0.10	39.56	43.62
4600.00	0.37	279.96	4599.24	-35.69	28.73	26.69	0.05	39.22	42.89
4700.00	0.38	261.74	4699.23	-35.50	28.74	26.05	0.12	38.79	42.19
4800.00	0.74	253.29	4799.23	-34.98	28.51	25.10	0.37	37.98	41.36



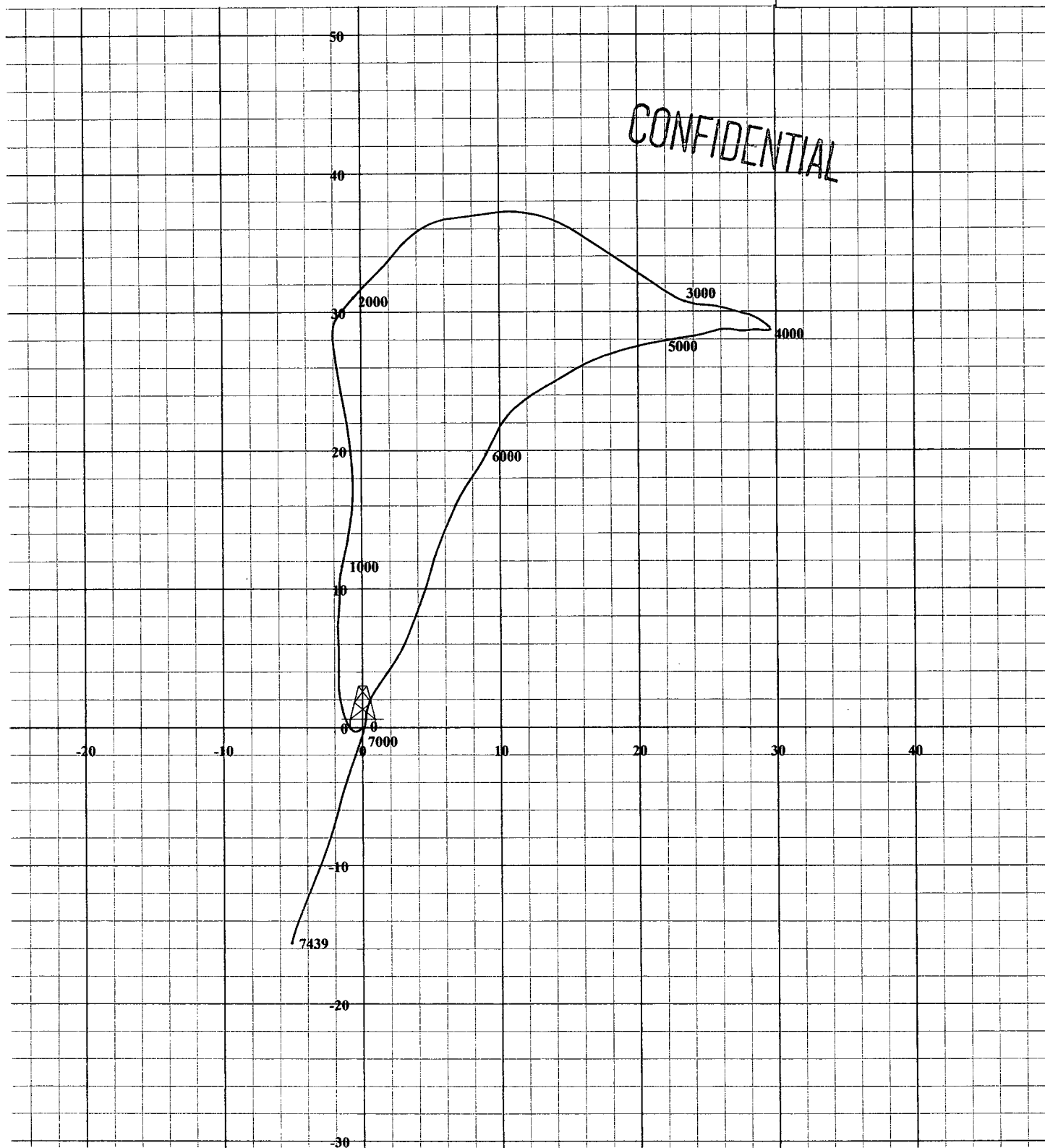
Scientific
Drilling

Field: Wildcat
Site: Eddy County, NM
Well: Vortex 22 #1
Wellpath: VH - Job #32K0506386
Survey: 05/13/06



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 06/20/2006
Model: Igr2000

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



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