Scientific Drilling

E.O.G.

Field: Cottonwood Creek
Site: Eddy County, NM
Well: Yellow A 7 Fee #2H
Wellpath: VH - Job #32K0406337
Survey: 04/27/06

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

.....Company Representative

Notorized this date 2nd of June, 2006.

Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	E.O.G.	**Date:** 06/01/2006	**Time:** 19:30:24	**Page:**	1
Field:	Cottonwood Creek	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Yellow A 7 Fee #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,270.00Azi)		
Wellpath:	VH - Job #32K0406337	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

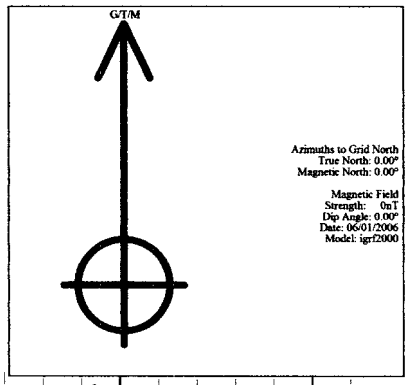
Survey:	04/27/06 KSRG 0'-3930'	**Start Date:**	04/27/2006
Company:	Scientific Drilling Internatio	**Engineer:**	Guebara/Carter w/P&M
Tool:	Keeper;Keeper Surface Readout Gyro	**Tied-to:**	From Surface

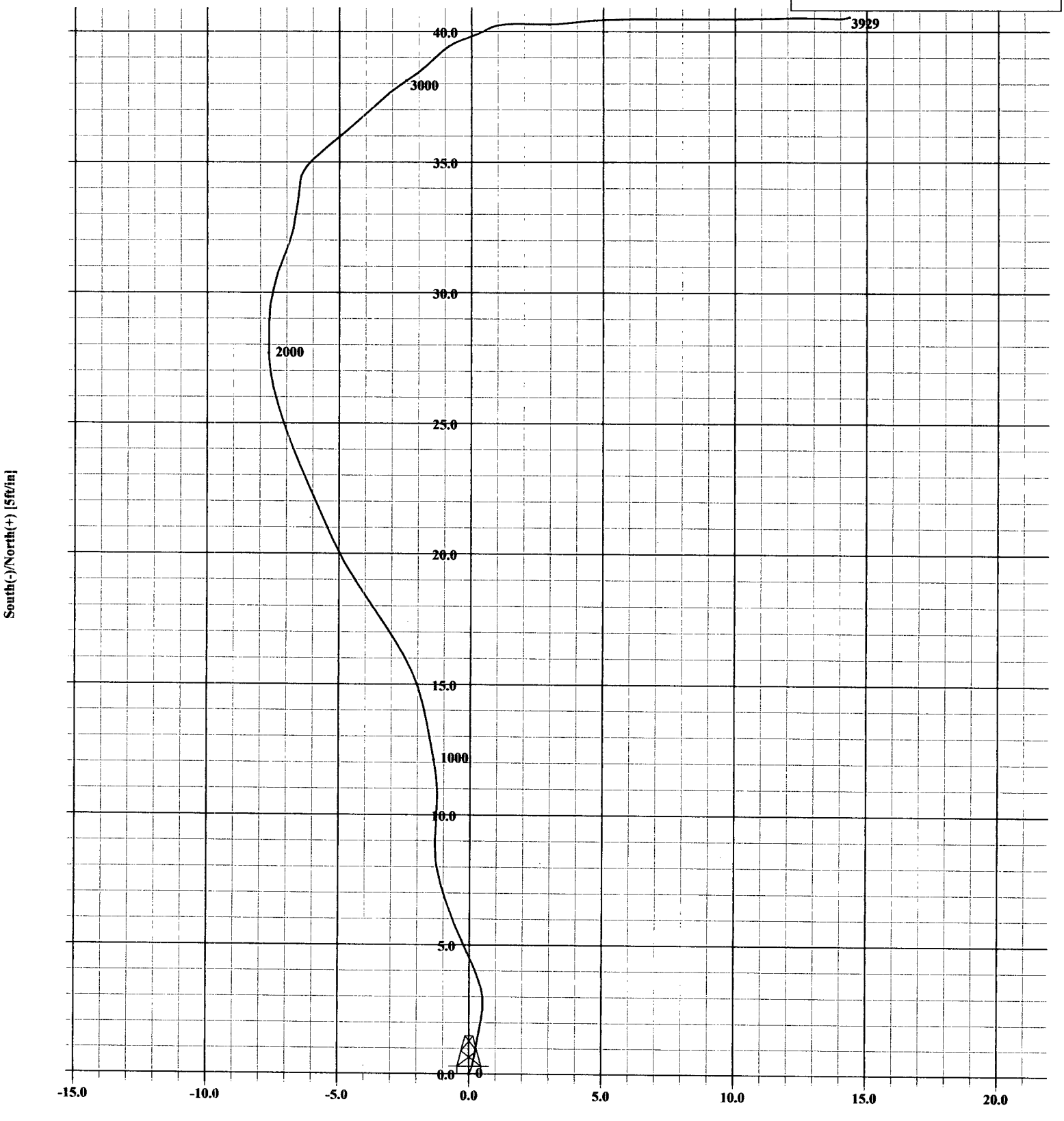
Survey

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	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.28	19.39	100.00	-0.08	0.23	0.08	0.27	0.24	19.39
200.00	0.70	8.27	200.00	-0.25	1.06	0.25	0.43	1.09	13.16
300.00	0.65	12.03	299.99	-0.45	2.22	0.45	0.07	2.26	11.56
400.00	0.62	346.43	399.98	-0.44	3.30	0.44	0.28	3.33	7.65
500.00	1.26	334.60	499.97	0.16	4.82	-0.16	0.66	4.82	358.16
600.00	1.15	341.77	599.95	0.94	6.76	-0.94	0.19	6.83	352.09
700.00	0.72	354.71	699.93	1.31	8.34	-1.31	0.47	8.44	351.07
800.00	0.69	5.98	799.93	1.31	9.56	-1.31	0.14	9.65	352.23
900.00	0.73	358.72	899.92	1.26	10.80	-1.26	0.10	10.87	353.36
1000.00	0.79	349.66	999.91	1.39	12.12	-1.39	0.13	12.20	353.43
1100.00	0.82	349.35	1099.90	1.65	13.50	-1.65	0.03	13.60	353.03
1200.00	0.78	342.63	1199.89	1.99	14.85	-1.99	0.10	14.98	352.38
1300.00	0.80	330.39	1299.88	2.53	16.11	-2.53	0.17	16.31	351.06
1400.00	0.88	326.22	1399.87	3.31	17.35	-3.31	0.10	17.67	349.21
1500.00	1.16	326.34	1499.85	4.30	18.84	-4.30	0.28	19.32	347.15
1600.00	1.19	335.91	1599.83	5.28	20.63	-5.28	0.20	21.29	345.63
1700.00	1.35	336.38	1699.81	6.18	22.66	-6.18	0.16	23.48	344.74
1800.00	1.16	340.30	1799.78	6.99	24.68	-6.99	0.21	25.66	344.19
1900.00	0.86	346.82	1899.77	7.50	26.36	-7.50	0.32	27.41	344.12
2000.00	0.69	359.34	1999.76	7.68	27.70	-7.68	0.24	28.74	344.50
2100.00	0.69	1.28	2099.75	7.67	28.90	-7.67	0.02	29.90	345.13
2200.00	0.77	13.13	2199.74	7.51	30.16	-7.51	0.17	31.08	346.02
2300.00	0.71	23.04	2299.74	7.11	31.38	-7.11	0.14	32.18	347.23
2400.00	0.56	12.70	2399.73	6.76	32.43	-6.76	0.19	33.12	348.22
2500.00	0.60	6.91	2499.72	6.59	33.42	-6.59	0.07	34.07	348.84
2600.00	0.44	6.59	2599.72	6.49	34.32	-6.49	0.16	34.93	349.30
2700.00	0.77	47.26	2699.72	5.95	35.16	-5.95	0.52	35.66	350.40
2800.00	0.90	51.24	2799.70	4.84	36.11	-4.84	0.14	36.43	352.36
2900.00	0.89	45.01	2899.69	3.68	37.15	-3.68	0.10	37.33	354.34
3000.00	0.90	57.06	2999.68	2.47	38.12	-2.47	0.19	38.20	356.29
3100.00	0.77	43.78	3099.67	1.35	39.03	-1.35	0.23	39.06	358.01
3200.00	0.69	71.64	3199.66	0.32	39.71	-0.32	0.36	39.71	359.54
3300.00	0.51	60.32	3299.66	-0.64	40.12	0.64	0.21	40.12	0.92
3400.00	1.14	92.71	3399.65	-2.02	40.29	2.02	0.76	40.34	2.87
3500.00	0.99	82.72	3499.63	-3.87	40.36	3.87	0.24	40.54	5.48
3600.00	1.16	89.53	3599.61	-5.75	40.47	5.75	0.21	40.88	8.08
3700.00	1.98	90.13	3699.57	-8.49	40.48	8.49	0.82	41.36	11.84
3800.00	1.48	88.21	3799.53	-11.50	40.51	11.50	0.51	42.12	15.85
3900.00	1.12	93.11	3899.50	-13.77	40.50	13.77	0.38	42.78	18.77
3930.00	1.08	75.15	3929.50	-14.33	40.56	14.33	1.15	43.02	19.46

Scientific Drilling

Field: Cottonwood Creek
Site: Eddy County, NM
Well: Yellow A 7 Fee #2H
Wellpath: VH - Job #32K0406337
Survey: 04/27/06





Actual Path

TMD	DEG	AZI	TVD	N/S	E/W	VS	DLS	BUR
4129	1.58	89.37	4128.44	41.07	18.89	-17.31	0.3	
4161	1.58	92.27	4160.42	41.06	19.77	-18.19	0.25	
4192	0.44	305.93	4191.42	41.11	20.11	-18.52	6.34	
4224	4.22	288.61	4223.39	41.56	18.89	-17.29	11.89	
4248	6.68	285.45	4247.28	42.21	16.71	-15.08	10.33	
4280	10.02	276.4	4278.94	43.02	12.14	-10.49	11.19	
4311	13.54	269.89	4309.28	43.31	5.83	-4.17	12.11	
4343	17.41	267.61	4340.11	43.11	-2.7	4.35	12.24	
4374	21.37	268.4	4369.35	42.76	-12.99	14.61	12.79	
4406	25.06	270.33	4398.75	42.63	-25.6	27.21	11.78	
4437	28.84	271.39	4426.38	42.85	-39.64	41.25	12.29	
4468	32.62	272.62	4453.02	43.41	-55.47	57.09	12.36	
4499	36.49	273.85	4478.55	44.41	-73.02	74.67	12.68	
4531	40.27	274.29	4503.63	45.83	-92.84	94.52	11.85	
4562	44.05	273.67	4526.6	47.27	-113.59	115.32	12.27	
4594	47.92	273.23	4548.83	48.65	-136.56	138.32	12.13	
4625	52.14	273.06	4568.74	49.95	-160.28	162.07	13.62	
4657	56.19	273.67	4587.47	51.48	-186.17	188	12.74	
4688	60.23	274.55	4603.8	53.37	-212.45	214.33	13.27	
4720	64.46	275.08	4618.65	55.75	-240.69	242.64	13.27	
4752	68.41	275.08	4631.44	58.35	-269.9	271.93	12.37	
4783	72.55	274.99	4641.79	60.91	-298.99	301.1	13.34	
4814	76.94	274.55	4649.95	63.4	-328.79	330.97	14.25	
4846	81.43	274.55	4655.95	65.89	-360.12	362.37	14.01	
4877	85.82	274.64	4659.39	68.36	-390.82	393.14	14.19	
4909	88.72	274.29	4660.92	70.85	-422.68	425.08	9.13	
4940	88.81	274.64	4661.58	73.26	-453.58	456.05	1.17	
4972	89.52	274.9	4662.05	75.92	-485.46	488.01	2.35	
5003	89.6	274.46	4662.29	78.45	-516.36	518.98	1.45	
5066	89.34	274.02	4662.87	83.11	-579.18	581.94	0.81	
5129	89.6	274.55	4663.45	87.82	-642.01	644.89	0.94	
5192	89.6	274.82	4663.88	92.96	-704.79	707.83	0.42	
5255	90.13	274.9	4664.03	98.3	-767.57	770.76	0.85	
5318	90.22	273.85	4663.83	103.11	-830.38	833.72	1.68	
5381	91.36	274.38	4662.96	107.62	-893.21	896.67	2	
5444	91.54	273.5	4661.37	111.95	-956.04	959.62	1.42	
5508	91.01	273.23	4659.94	115.7	-1019.92	1023.59	0.92	
5571	90.75	273.67	4658.98	119.5	-1082.79	1086.57	0.81	
5634	91.98	273.32	4657.48	123.34	-1145.66	1149.53	2.03	
5730	92.51	272.71	4653.72	128.38	-1241.45	1245.45	0.84	
5826	91.98	272.53	4649.97	132.76	-1337.28	1341.37	0.58	
5920	91.63	272.44	4647.01	136.84	-1431.14	1435.33	0.39	
6016	91.36	273.32	4644.5	141.66	-1526.99	1531.29	0.96	
6111	90.75	272.71	4642.75	146.65	-1621.84	1626.26	0.92	
6206	90.66	273.14	4641.59	151.5	-1716.71	1721.24	0.47	
6300	90.13	273.67	4640.94	157.08	-1810.54	1815.22	0.8	
6396	90.66	274.02	4640.28	163.52	-1906.32	1911.18	0.66	
6492	90.31	274.29	4639.46	170.48	-2002.06	2007.12	0.46	
6587	91.45	276.04	4638.01	179.03	-2096.66	2101.97	2.21	
6683	90.48	275.78	4636.39	188.92	-2192.14	2197.75	1.04	
6745	89.69	275.61	4636.29	195.07	-2253.83	2259.64	1.31	
6806	89.52	275.61	4636.71	201.03	-2314.54	2320.53	0.29	
6869	89.34	275.69	4637.34	207.23	-2377.23	2383.41	0.31	
6933	89.34	275.78	4638.08	213.63	-2440.9	2447.28	0.14	
6996	88.9	276.22	4639.04	220.21	-2503.55	2510.14	0.99	
7059	89.96	276.84	4639.67	227.38	-2566.14	2572.95	1.94	
7121	89.6	275.43	4639.91	234	-2627.78	2634.8	2.34	
7184	90.31	276.75	4639.96	240.68	-2690.42	2697.65	2.37	
7247	90.4	277.54	4639.57	248.52	-2752.93	2760.42	1.26	

Actual Path

TMD	DEG	AZI	TVD	N/S	E/W	VS	DLS	BUR
7310	89.43	276.57	4639.67	256.26	-2815.45	2823.19	2.17	
7435	91.45	276.75	4638.71	270.76	-2939.6	2947.8	1.62	
7559	89.87	277.89	4637.29	286.57	-3062.56	3071.28	1.57	
7685	89.96	280.44	4637.48	306.63	-3186.95	3196.34	2.03	
7812	89.34	282.37	4638.25	331.75	-3311.43	3321.69	1.6	
7939	89.34	283.17	4639.72	359.82	-3435.28	3446.52	0.63	
8066	91.36	285.62	4638.94	391.38	-3558.27	3570.63	2.5	
8286	91.45	285.54	4633.54	450.46	-3770.13	3784.59	0.06	
8345	91.45	285.54	4632.04	466.26	-3826.96	3841.98	0	