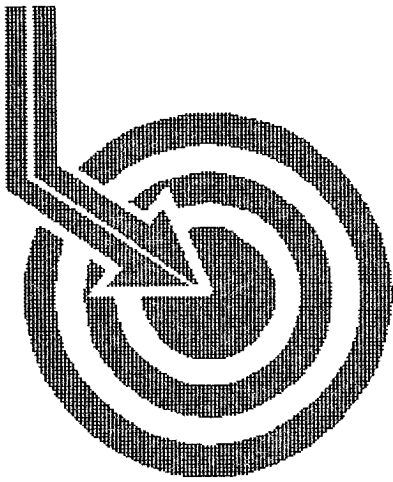
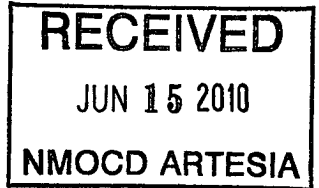


30.015.31585



Scientific Drilling



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COG RESOURCES

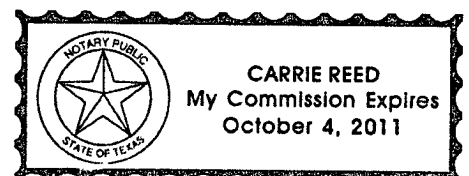
Field: Loco Hills Paddock
Site: Eddy County, NM
Well: Texaco BE #6
Wellpath: VH - Job #32K0310225
Survey: 03/31/10

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

[Signature]
Company Representative

Notarized this date 22nd of April, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: COG RESOURCES	Date: 4/8/2010	Time: 22 31:31	Page: 1
Field: Loco Hills Paddock	Co-ordinate(NE) Reference: Site Eddy County, NM; True North		
Site: Eddy County, NM	Vertical (TVD) Reference: SITE 0 0		
Well: Texaco BE #6	Section (VS) Reference: Well (0 00N,0 00E,263.54Azi)		
Wellpath: VH - Job #32K0310225	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 03/31/10	Start Date: 3/31/2010
Company: Scientific Drilling Internatio	Engineer: Guebara/Sutherland w/Hallibur
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 0	0 00	0 00	0 0	0 0	0 0	0 0	0.00	0 0	0 00
100 0	0 08	75 33	100 0	-0 1	0 0	0 1	0 08	0 1	75 33
200 0	0 11	296 92	200 0	-0 1	0 1	0 0	0 18	0 1	32 12
300 0	0 25	285 60	300 0	0 2	0 2	-0 2	0 14	0 3	306 31
400 0	0 69	289 45	400 0	1 0	0 4	-1 0	0 44	1 1	293 26
500 0	0 52	296 85	500 0	1 9	0 8	-2 0	0 19	2 2	292 95
600 0	0 33	343 82	600 0	2 3	1 3	-2 5	0 38	2 8	298 13
700 0	0 32	13 13	700 0	2 3	1 9	-2 5	0 16	3 1	306 89
800 0	0 44	53 24	800 0	1 8	2 4	-2 1	0 28	3 2	318 17
900 0	0 74	60 93	900 0	0 9	2 9	-1 3	0 31	3 2	336 74
1000 0	0 92	62 72	1000 0	-0 4	3 6	0 0	0 18	3 6	0 36
1100 0	0 95	64 14	1100 0	-2 0	4 3	1 5	0 04	4 6	18 88
1200 0	0 96	68 22	1199 9	-3 5	5 0	3 0	0 07	5 8	30 99
1300 0	0 99	73 51	1299 9	-5 2	5 6	4 6	0 09	7 2	39 67
1400 0	0 80	72 15	1399 9	-6 7	6 0	6 1	0 19	8 6	45 40
1500 0	0 62	75 66	1499 9	-8 0	6 4	7 3	0 19	9 7	48 88
1600 0	0 51	85 57	1599 9	-8 9	6 5	8 3	0 15	10 5	51 65
1700 0	0 29	119 61	1699 9	-9 6	6 4	8 9	0 31	11 0	54 16
1800 0	0 22	171 17	1799 9	-9 8	6 1	9 2	0 23	11 0	56 25
1900 0	0 21	190 57	1899 9	-9 8	5 8	9 2	0 07	10 8	57 86
2000 0	0 35	200 06	1999 9	-9 6	5 3	9 0	0 15	10 5	59 62
2100 0	0 43	218 12	2099 9	-9 2	4 7	8 7	0 15	9 9	61 55
2200 0	0 44	209 60	2199 9	-8 7	4 1	8 3	0 07	9 2	63 74
2300 0	0 56	206 22	2299 9	-8 2	3 3	7 9	0 12	8 5	67 18
2400 0	0 54	199 16	2399 9	-7 7	2 4	7 5	0 07	7 9	72 07
2500 0	0 71	206 72	2499 9	-7 2	1 4	7 1	0 19	7 2	78 57
2600 0	0 74	203 38	2599 9	-6 5	0 3	6 5	0 05	6 5	87 53
2700 0	0 80	206 49	2699 9	-5 8	-0 9	6 0	0 07	6 0	98 92
2800 0	0 84	201 34	2799 8	-5 1	-2 2	5 4	0 08	5 8	112 61
2900 0	0 89	214 25	2899 8	-4 2	-3 6	4 7	0 20	5 9	127 31
3000 0	0 90	214 90	2999 8	-3 2	-4 9	3 8	0 01	6 2	141 98
3100 0	0 71	218 79	3099 8	-2 3	-6 0	3 0	0 20	6 7	153 69
3200 0	0 46	221 14	3199 8	-1 5	-6 8	2 3	0 25	7 1	161 19
3300 0	0 28	230 91	3299 8	-1 0	-7 2	1 9	0 19	7 5	165 63
3400 0	0 17	222 62	3399 8	-0 7	-7 5	1 6	0 11	7 6	168 22
3500 0	0 01	6 39	3499 8	-0 6	-7 6	1 5	0 18	7 7	169 10
3600 0	0 15	323 18	3599 8	-0 5	-7 5	1 4	0 14	7 6	169 51
3700 0	0 09	345 79	3699 8	-0 5	-7 3	1 3	0 08	7 4	170 00
3800 0	0 15	348 33	3799 8	-0 4	-7 1	1 2	0 06	7 2	170 07
3900 0	0 06	1 52	3899 8	-0 4	-6 9	1 2	0 09	7 0	170 02
4000 0	0 04	35 82	3999 8	-0 5	-6 8	1 2	0 04	6 9	169 73
4100 0	0 06	84 71	4099 8	-0 5	-6 8	1 3	0 05	6 9	169 09
4200 0	0 19	122 81	4199 8	-0 7	-6 9	1 5	0 15	7 0	167 69
4300 0	0 25	187 34	4299 8	-0 8	-7 2	1 6	0 24	7 4	167 35
4400 0	0 31	250 62	4399 8	-0 5	-7 5	1 3	0 30	7 6	169 94
4500 0	0 51	278 21	4499 8	0 2	-7 5	0 6	0 28	7 5	175 18
4600 0	0 62	280 91	4599 8	1 2	-7 4	-0 3	0 11	7 4	182 63
4700 0	0 76	285 67	4699 8	2 3	-7 1	-1 5	0 15	7 2	192 04
4800 0	0 86	298 10	4799 8	3 5	-6 5	-2 8	0 20	7 1	203 25



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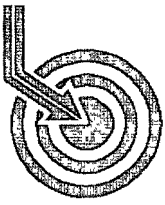
Scientific Drilling International, Inc.

Survey Report

Company:	COG RESOURCES	Date:	4/8/2010	Time:	22 31:31	Page:	2
Field:	Loco Hills Paddock	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North				
Site:	Eddy County, NM	Vertical (TVD) Reference:	SITE 0 0				
Well:	Texaco BE #6	Section (VS) Reference:	Well (0.00N,0.00E,263 54Azi)				
Wellpath:	VH - Job #32K0310225	Survey Calculation Method:	Minimum Curvature Db: Sybase				

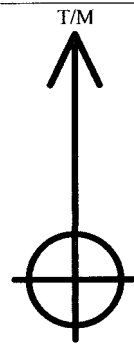
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900 0	0 59	295 61	4899 8	4 6	-6 0	-3 9	0 27	7 1	213 43
5000 0	0 71	315 44	4999 8	5 4	-5 3	-4 8	0 25	7 2	222 38
5100 0	0 72	315 21	5099 8	6 2	-4 4	-5 7	0 01	7 2	232 33
5200 0	0 65	323 02	5199 8	6 8	-3 5	-6 5	0 12	7 4	241 61
5300 0	0 56	324 15	5299 7	7 4	-2 7	-7 1	0 09	7 6	249 51
5400 0	0 51	290 05	5399 7	8 0	-2 1	-7 8	0 32	8 1	254 90
5500 0	0 46	277 64	5499 7	8 8	-1 9	-8 6	0 12	8 9	257 56
5600 0	0 34	243 02	5599 7	9 5	-2 0	-9 3	0 26	9 5	257 94
5700 0	0 37	301 34	5699 7	10 0	-2 0	-9 8	0 35	10 0	258 77
5800 0	0 49	308 53	5799 7	10 6	-1 5	-10 5	0 13	10 6	261 73
5900 0	0 52	267 59	5899 7	11 3	-1 3	-11 2	0 35	11 3	263 54



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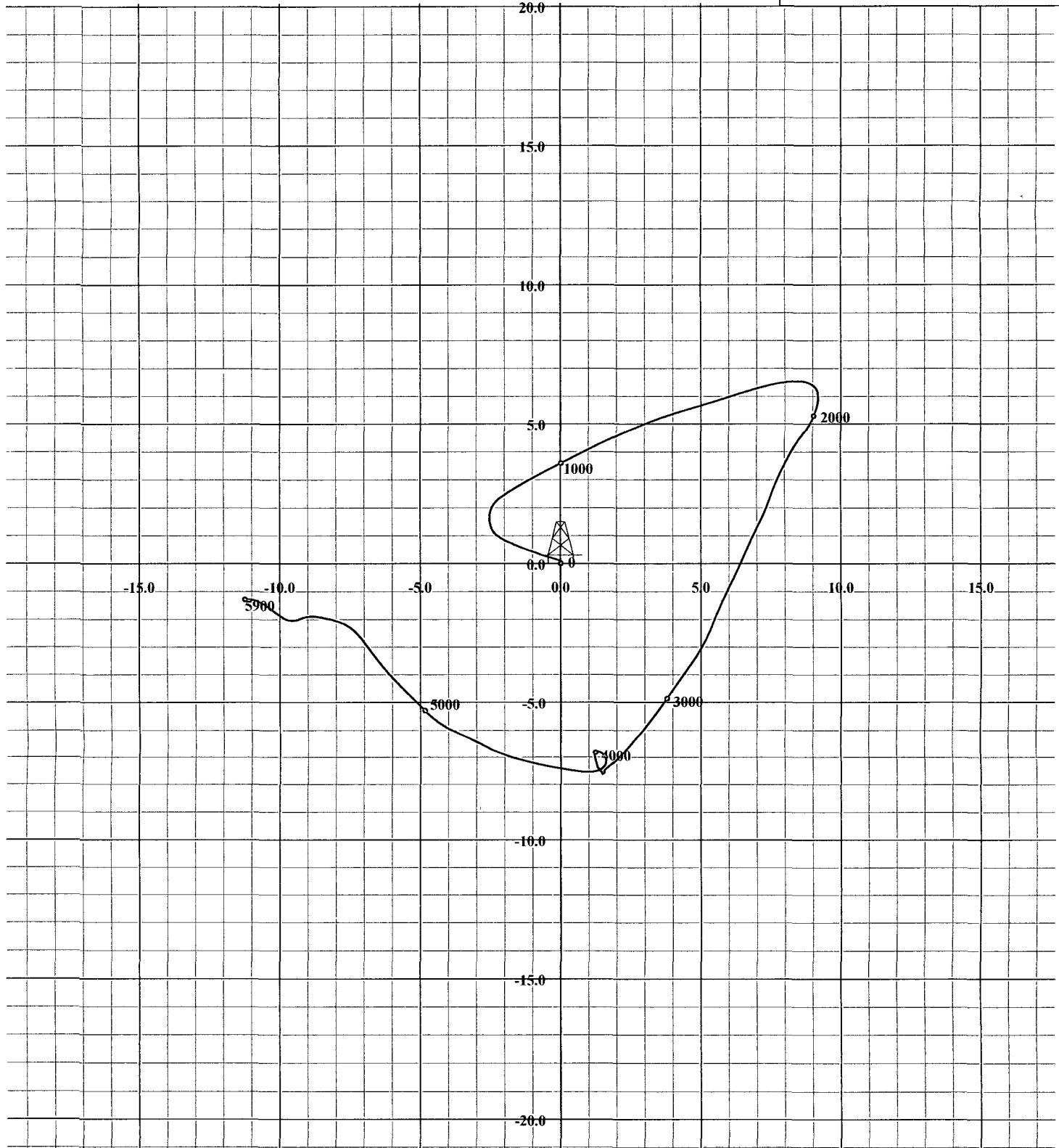
Field: Loco Hills Paddock
Site: Eddy County, NM
Well: Texaco BE #6
Survey: 03/31/10



Azimuths to True North
Magnetic North 0 00°

Strength 0nT
Date 4/8/2010
Model igr2000

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]