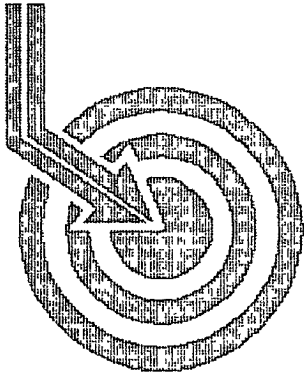
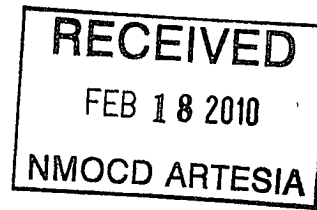


30 015 373 08



Scientific Drilling



OCCIDENTAL PERMIAN LTD.

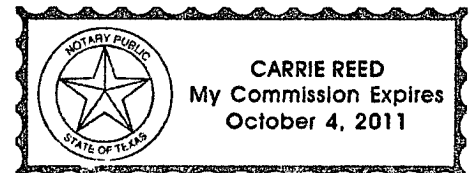
Field: Cedar Canyon Bone Spring
Site: Eddy County, NM
Well: Cypress 33 Federal #2H
Wellpath: VH - Job #32K1009443
Survey: 10/24/09

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

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

Notorized this date 3rd of November, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





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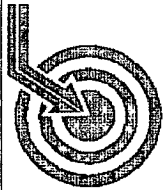
Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.	Date: 10/26/2009	Time: 17 10.26	Page: 1
Field: Cedar Canyon Bone Spring	Co-ordinate(NE) Reference: Site, Eddy County, NM, Grnd North		
Site: Eddy County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Cypress 33 Federal #2H	Section (VS) Reference: Well (0.00N,0.00E,269.39Azi)		
Wellpath: VH- Job #32K1009443	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 10/24/09	Start Date: 10/24/2009
KSRG 0'-2886'	
Company: Scientific Drilling Internatio	Engineer: Madrid/Rowe/Williams
Tool: Keeper, Keeper Surface Readout	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 81	0 00	0.00	0.00	0.00	0.00	0 00	0 00
100 00	0 18	267 42	100.00	0 16	-0 01	-0 16	0 18	0 16	267 42
200 00	0 69	315.49	200.00	0 73	0 42	-0 74	0 59	0 85	299.43
300 00	1 16	331.16	299 98	1 63	1 73	-1 65	0 53	2 39	316.44
400 00	1 14	342 00	399 96	2 40	3 56	-2 44	0 22	4.32	325.58
500 00	0 92	352 62	499 95	2.80	5 31	-2 85	0 29	6.02	331 74
600 00	0 83	1 50	599.94	2.86	6 83	-2.94	0.16	7.43	336 72
700 00	0.76	359.24	699.93	2 84	8.21	-2 93	0.08	8 72	340 39
800 00	0.75	3 69	799.92	2 79	9 53	-2 89	0.06	9 96	343.11
900 00	0 81	0 71	899 91	2 73	10 89	-2 84	0 07	11 25	345 37
1000 00	0 83	0 53	999 90	2 70	12.32	-2 83	0.02	12.64	347.08
1100 00	0 91	347.03	1099 89	2 85	13 82	-3 00	0 22	14 14	347 76
1200 00	1 06	332 24	1199 87	3.44	15 41	-3 61	0 29	15 83	346 83
1300 00	1 20	322.24	1299.85	4 50	17 06	-4.68	0 24	17 69	344.66
1400 00	1 25	312 08	1399 83	5 93	18 62	-6 13	0 22	19 60	341 77
1500 00	1.07	311.10	1499.81	7 43	19 96	-7 64	0 18	21.37	339.05
1600 00	0 76	325.35	1599 80	8 50	21.12	-8 72	0 38	22.85	337 56
1700 00	0 66	309.94	1699 79	9.31	22 04	-9.54	0.21	24 01	336 58
1800 00	0 65	315 60	1799 78	10.14	22 81	-10 38	0.07	25 06	335 53
1900 00	0 40	314 67	1899 78	10 78	23 46	-11 03	0 25	25 92	334.83
2000 00	0.48	301 62	1999 78	11.38	23.93	-11 63	0.13	26 60	334 07
2100 00	0 60	278 27	2099 77	12.25	24 22	-12 51	0.25	27 26	332 69
2200 00	0 59	280 89	2199 77	13 27	24 39	-13 53	0.03	27 90	330 99
2300 00	0 46	270 16	2299.76	14 18	24 49	-14.44	0 16	28 43	329.48
2400.00	0 63	169 02	2399 76	14.48	23 95	-14 73	0 85	28 12	328 41
2500 00	0 75	156 23	2499 75	14.12	22 82	-14 37	0.19	26 96	327 80
2600.00	1 23	161 58	2599 74	13 54	21 20	-13 76	0 49	25 27	327 01
2700 00	1.80	158 12	2699 70	12 64	18 72	-12 84	0 58	22 70	325 56
2800 00	2 35	159.86	2799 63	11.38	15 34	-11 55	0 55	19 20	323 03
2886 00	2 22	161 66	2885 57	10 29	12 10	-10 42	0.17	15.97	319 29



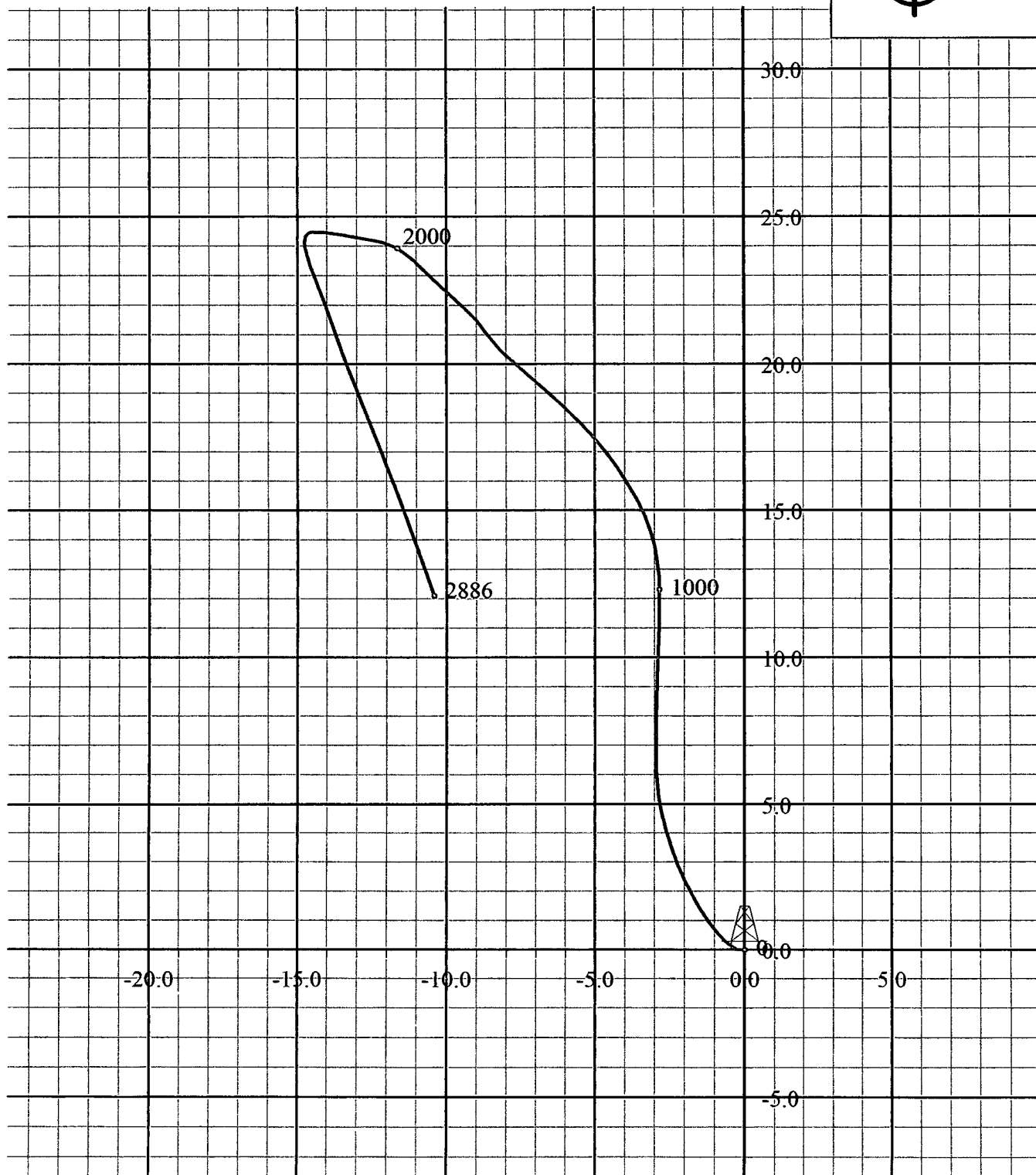
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Drilling

Field: Cedar Canyon Bone Spring
Site: Eddy County, NM
Well: Cypress 33 Federal #2H
Wellpath: VH - Job #32K1009443
Survey: 10/24/09



Azimuths to Grid North
True North 0 00°
Magnetic North: 0.00°

Magnetic Field
Strength 0nT
Dip Angle 0 00°
Date: 10/26/2009
Model: igrf2000



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

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