Scientific Drilling

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HOBBSOCD

SUR; K-26-17s-32e, 2630/S & 1805/W
BHL; F-26-17s-32e, 2742/S & 1804/W
API # 30-0225-39324

CONOCOPHILLIPS

Field: Maljamar
Site: Lea County, NM
Well: MCA #465
Wellpath: VH - Job #32K0409119
Survey: 04/01/09

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

L Warton .....Company Representative

Notorized this date 16th of April, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CONOCOPHILLIPS	**Date:**	04/13/2009	**Time:** 14:09:47	**Page:** 1
Field:	Maljamar	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	MCA #465	**Section (VS) Reference:**	Well (0.00N,0.00E,359.18Azi)		
Wellpath:	VH - Job #32K0409119	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	04/01/09 KSRG 0'-4391'	**Start Date:**	04/01/2009
Company:	Scientific Drilling Internatio	**Engineer:**	Guebara w/Schlumberger
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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.13	273.93	100.00	0.01	0.01	-0.11	0.13	0.11	273.93
200.00	0.44	244.31	200.00	-0 14	-0.15	-0.57	0.33	0.59	255.23
300.00	0.30	122.18	300.00	-0.45	-0.46	-0.70	0.65	0.83	236.75
400.00	0.13	145.77	400.00	-0.68	-0.69	-0.41	0.19	0.80	210.81
500.00	0.13	173.04	500.00	-0.89	-0.90	-0.33	0.06	0.96	200.43
600.00	0.45	252.02	600.00	-1.12	-1.13	-0.69	0.44	1.33	211.54
700.00	0.69	255.09	699.99	-1.38	-1.41	-1.65	0.24	2.17	229.54
800.00	0.79	270.66	799.98	-1.51	-1.55	-2.92	0.22	3.31	241.99
900.00	0.79	278.66	899.97	-1.38	-1.44	-4.29	0.11	4.53	251.43
1000.00	0.71	287.90	999.96	-1.07	-1.15	-5.56	0.14	5.68	258.34
1100.00	0.85	279.15	1099.95	-0.74	-0.84	-6.88	0.18	6.93	263.05
1200.00	0.72	287.65	1199.95	-0.41	-0.53	-8.22	0.17	8.23	266.30
1300.00	0.57	312.85	1299.94	0.13	0.00	-9.18	0.32	9.18	269.99
1400.00	0.38	317.85	1399.94	0.72	0.58	-9.77	0.19	9.78	273.41
1500.00	0.74	319.54	1499.93	1.47	1.32	-10.41	0.36	10.49	277.23
1600.00	0.57	300.37	1599.92	2.22	2.06	-11.26	0.28	11.44	280.38
1700.00	0.66	313.17	1699.92	2.88	2.71	-12.10	0.16	12.40	282.61
1800.00	0.37	320.68	1799.91	3.53	3.35	-12.73	0.30	13.16	284.75
1900.00	0.26	2.78	1899.91	4.01	3.83	-12.92	0.25	13 48	286.50
2000.00	0.88	26.34	1999.91	4.92	4.74	-12.57	0.65	13.44	290.67
2100.00	1.81	41.50	2099.88	6.77	6.61	-11.18	0.99	12.99	300.60
2200.00	2.46	43.14	2199.81	9.49	9.36	-8.67	0.65	12.76	317.20
2300.00	2.33	45.87	2299.72	12.42	12.34	-5.74	0.17	13.61	335.05
2400.00	2.31	43.39	2399.64	15.26	15.22	-2.90	0.10	15.50	349.21
2500.00	2.04	40.49	2499.57	18.05	18.04	-0.36	0.29	18.05	358.86
2600.00	1.82	32.46	2599.51	20.71	20.74	1.65	0.35	20.80	4.54
2700.00	1.69	23.49	2699.46	23.38	23.43	3.09	0.30	23.63	7.51
2800.00	1.76	13.50	2799.42	26.21	26.27	4.03	0.31	26.58	8.73
2900.00	1.88	5.15	2899.37	29.33	29.40	4.54	0.29	29.75	8.78
3000.00	2.18	2.34	2999.31	32.86	32.93	4.76	0.32	33.28	8.23
3100.00	2.71	359.61	3099.22	37.13	37.20	4.83	0.54	37.51	7.39
3200.00	3.21	354.70	3199.08	42.28	42.35	4.55	0.56	42.59	6.13
3300.00	3.73	351.25	3298.90	48.29	48.35	3.80	0.56	48.50	4.49
3400.00	3.88	351.87	3398.68	54.87	54.92	2.83	0.16	54.99	2.94
3500.00	3.94	351.02	3498.44	61.63	61.66	1.81	0.08	61.69	1.68
3600.00	3.92	351.27	3598.21	68.41	68.43	0.76	0.03	68.44	0.63
3700.00	3.72	352.08	3697.99	75.02	75.02	-0.21	0.21	75.02	359.84
3800.00	3.33	354.43	3797.80	81.13	81.13	-0.94	0.42	81.13	359.34
3900.00	3.15	355.30	3897.64	86.77	86.76	-1.45	0.19	86.77	359.04
4000.00	3.04	357.09	3997.49	92.16	92.14	-1.81	0.15	92.16	358.88
4100.00	2.90	1.53	4097.36	97.34	97.32	-1.87	0.27	97.34	358.90
4200.00	2.52	1.09	4197.25	102.06	102.05	-1.76	0.38	102.06	359.01
4300.00	2.00	357.64	4297.17	106.00	105.99	-1.79	0.54	106.00	359.03
4391.00	2.18	10.02	4388.11	109.29	109.28	-1.56	0.53	109.29	359.18

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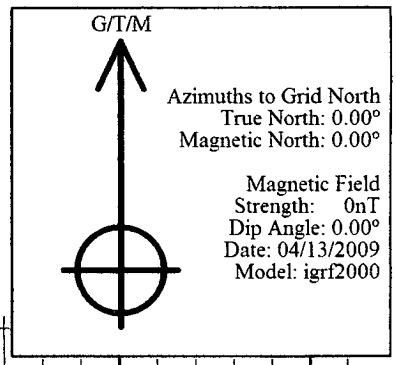
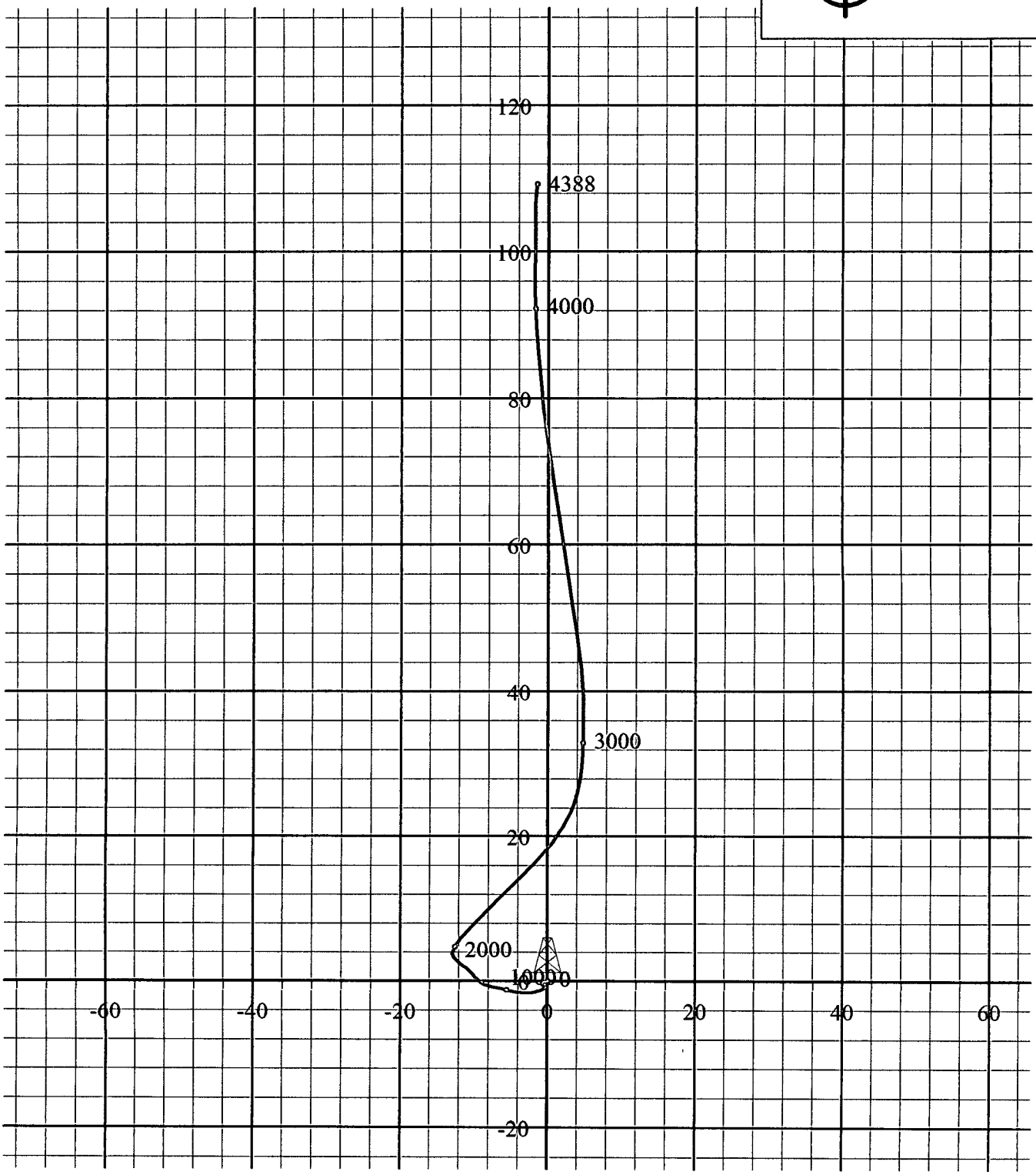
Field: Maljamar
Site: Lea County, NM
Well: MCA #465
Wellpath: VH - Job #32K0409119
Survey: 04/01/09





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

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