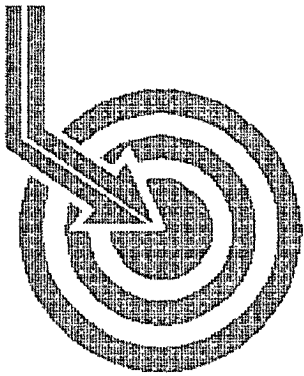




Scientific Drilling

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MAR 20 2009

HOBBSOCD

CIMAREX ENERGY

Field: Wildcat
Site: Chaves County, NM
Well: Enterprise 11 State Com #3H
Wellpath: VH - Job #32K1108868
Survey: 11/03/08

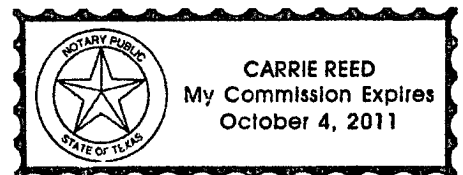
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*L. Wharton*..... Company Representative

Notorized this date 22nd of December, 2008.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: CIMAREX ENERGY	Date: 12/17/2008	Time: 14:51:01	Page: 1
Field: Wildcat	Co-ordinate(NE) Reference:	Site: Chaves County, NM, True North	
Site: Chaves County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Enterprise 11 State Com #3H	Section (VS) Reference:	Well (0.00N,0.00E,89.48Azi)	
Wellpath: VH - Job #32K1108868	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/03/08	Start Date: 11/03/2008
Company: Scientific Drilling Internatio	Engineer: Guebara w/GeoGyro
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	359.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.21	73.27	100.00	0.18	0.05	0.18	0.21	0.18	73.27
200.00	0.20	67.95	200.00	0.51	0.17	0.51	0.02	0.54	71.55
300.00	0.21	29.30	300.00	0.77	0.40	0.76	0.14	0.86	62.59
400.00	0.18	50.74	400.00	0.98	0.66	0.98	0.08	1.18	56.10
500.00	0.18	352.27	500.00	1.08	0.91	1.08	0.18	1.41	49.76
600.00	0.20	2.64	600.00	1.07	1.24	1.06	0.04	1.63	40.59
700.00	0.16	13.17	700.00	1.12	1.55	1.10	0.05	1.90	35.41
800.00	0.08	356.55	800.00	1.15	1.76	1.13	0.09	2.09	32.76
900.00	0.10	64.63	900.00	1.22	1.86	1.21	0.10	2.22	32.89
1000.00	0.24	66.63	1000.00	1.49	1.98	1.48	0.14	2.47	36.65
1100.00	0.31	21.04	1099.99	1.79	2.32	1.77	0.22	2.92	37.27
1200.00	0.08	317.71	1199.99	1.84	2.62	1.82	0.28	3.19	34.68
1300.00	0.12	179.07	1299.99	1.79	2.57	1.77	0.19	3.12	34.55
1400.00	0.11	297.45	1399.99	1.71	2.51	1.69	0.20	3.02	33.90
1500.00	0.18	288.65	1499.99	1.48	2.60	1.45	0.07	2.98	29.15
1600.00	0.09	359.99	1599.99	1.33	2.73	1.30	0.17	3.03	25.50
1700.00	0.21	56.81	1699.99	1.48	2.91	1.46	0.18	3.26	26.58
1800.00	0.33	41.86	1799.99	1.83	3.23	1.80	0.14	3.70	29.19
1900.00	0.67	60.27	1899.99	2.54	3.73	2.50	0.37	4.49	33.85
2000.00	1.08	74.79	1999.98	3.96	4.27	3.92	0.46	5.80	42.56
2100.00	1.42	66.47	2099.95	6.01	5.01	5.97	0.38	7.79	49.97
2200.00	1.21	70.95	2199.93	8.15	5.85	8.10	0.23	9.99	54.16
2300.00	1.30	61.29	2299.90	10.15	6.74	10.09	0.23	12.14	56.27
2400.00	1.08	71.64	2399.88	12.05	7.58	11.98	0.31	14.18	57.68
2500.00	0.78	56.86	2499.87	13.52	8.25	13.45	0.38	15.78	58.47
2600.00	0.82	55.45	2599.86	14.69	9.03	14.61	0.04	17.17	58.28
2700.00	0.63	44.56	2699.85	15.67	9.83	15.58	0.23	18.42	57.76
2800.00	0.49	46.34	2799.84	16.37	10.51	16.28	0.14	19.38	57.14
2900.00	0.43	53.59	2899.84	16.99	11.03	16.89	0.08	20.17	56.85
3000.00	0.37	64.73	2999.84	17.58	11.39	17.48	0.10	20.86	56.91
3100.00	0.35	70.04	3099.84	18.16	11.63	18.06	0.04	21.48	57.21
3200.00	0.33	59.73	3199.84	18.70	11.88	18.60	0.06	22.07	57.42
3300.00	0.38	55.92	3299.83	19.23	12.21	19.12	0.06	22.69	57.43
3400.00	0.48	48.91	3399.83	19.82	12.67	19.71	0.11	23.43	57.26
3500.00	0.41	31.29	3499.83	20.33	13.26	20.21	0.15	24.17	56.74
3600.00	0.32	24.57	3599.83	20.64	13.82	20.51	0.10	24.73	56.04
3700.00	0.39	52.70	3699.82	21.03	14.28	20.90	0.19	25.31	55.66
3800.00	0.63	49.61	3799.82	21.72	14.84	21.59	0.24	26.20	55.50
3900.00	0.53	47.42	3899.81	22.49	15.51	22.35	0.10	27.20	55.24
4000.00	0.45	72.28	3999.81	23.21	15.94	23.06	0.22	28.04	55.35
4100.00	0.57	58.15	4099.81	24.01	16.32	23.86	0.17	28.91	55.62
4200.00	0.40	47.92	4199.80	24.69	16.82	24.54	0.19	29.75	55.58
4300.00	0.56	63.62	4299.80	25.39	17.27	25.24	0.21	30.58	55.62
4400.00	0.61	38.04	4399.80	26.17	17.91	26.00	0.26	31.57	55.45
4500.00	0.53	54.12	4499.79	26.87	18.60	26.71	0.18	32.54	55.15
4600.00	0.70	43.24	4599.78	27.67	19.31	27.50	0.21	33.60	54.92
4700.00	0.52	23.82	4699.78	28.28	20.17	28.10	0.27	34.59	54.33
4800.00	0.77	34.00	4799.77	28.85	21.14	28.66	0.27	35.62	53.58



Scientific Drilling International

Survey Report

Company: CIMAREX ENERGY	Date: 12/17/2008	Time: 14:51:01	Page: 2
Field: Wildcat	Co-ordinate(NE) Reference:	Site: Chaves County, NM, True North	
Site: Chaves County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Enterprise 11 State Com #3H	Section (VS) Reference:	Well (0.00N,0.00E,89.48Azi)	
Wellpath: VH - Job #32K1108868	Survey Calculation Method:	Minimum Curvature	Db: Sybase

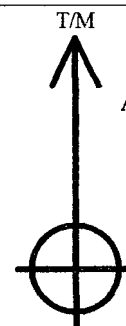
Survey

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	0.56	22.85	4899.77	29.43	22.15	29.23	0.25	36.67	52.84
5000.00	0.55	339.79	4999.76	29.46	23.05	29.25	0.41	37.24	51.76
5100.00	0.62	314.99	5099.76	28.92	23.89	28.70	0.26	37.34	50.23
5200.00	0.54	334.56	5199.75	28.34	24.69	28.12	0.21	37.42	48.71
5300.00	0.50	294.10	5299.75	27.74	25.30	27.52	0.36	37.38	47.41
5400.00	0.49	312.02	5399.74	27.03	25.76	26.80	0.15	37.17	46.13
5500.00	0.36	287.09	5499.74	26.42	26.14	26.18	0.22	37.00	45.05
5600.00	0.59	291.97	5599.74	25.64	26.43	25.40	0.23	36.66	43.87
5700.00	0.50	301.43	5699.73	24.80	26.85	24.55	0.13	36.38	42.45
5800.00	0.75	293.68	5799.73	23.83	27.34	23.58	0.26	36.10	40.78
5900.00	1.07	292.12	5899.71	22.37	27.95	22.12	0.32	35.64	38.36
6000.00	0.99	298.03	5999.70	20.75	28.71	20.49	0.13	35.27	35.52
6100.00	1.02	285.84	6099.68	19.14	29.36	18.87	0.22	34.90	32.74
6200.00	1.10	282.93	6199.67	17.35	29.81	17.08	0.10	34.36	29.81
6300.00	1.06	289.42	6299.65	15.55	30.34	15.27	0.13	33.96	26.72
6400.00	0.82	285.14	6399.63	13.99	30.83	13.71	0.25	33.74	23.97
6500.00	0.96	281.99	6499.62	12.48	31.19	12.20	0.15	33.49	21.36
6600.00	0.94	291.24	6599.61	10.90	31.66	10.62	0.15	33.40	18.53
6700.00	0.70	276.57	6699.60	9.53	32.03	9.24	0.32	33.34	16.10
6800.00	0.87	287.23	6799.59	8.20	32.33	7.91	0.22	33.28	13.75
6900.00	0.69	298.77	6899.58	6.96	32.84	6.66	0.24	33.51	11.46
7000.00	0.71	264.57	6999.57	5.81	33.07	5.51	0.41	33.53	9.47
7100.00	0.73	273.41	7099.57	4.56	33.05	4.26	0.11	33.32	7.35
7200.00	0.61	265.09	7199.56	3.40	33.04	3.10	0.15	33.19	5.35
7300.00	0.83	269.83	7299.55	2.14	32.99	1.84	0.23	33.05	3.19
7400.00	0.31	279.65	7399.55	1.15	33.04	0.85	0.53	33.05	1.47
7500.00	0.17	222.84	7499.54	0.78	32.97	0.48	0.26	32.98	0.84
7600.00	0.15	76.29	7599.54	0.81	32.90	0.51	0.31	32.90	0.89
7700.00	0.35	117.68	7699.54	1.20	32.79	0.91	0.26	32.80	1.58
7800.00	0.40	73.68	7799.54	1.81	32.74	1.51	0.28	32.78	2.64
7900.00	0.70	96.48	7899.54	2.75	32.77	2.45	0.37	32.86	4.28
8000.00	0.96	103.83	7999.53	4.17	32.50	3.87	0.28	32.73	6.80
8100.00	0.97	104.20	8099.51	5.80	32.09	5.51	0.01	32.56	9.74
8200.00	1.34	89.46	8199.49	7.79	31.90	7.50	0.47	32.77	13.23
8300.00	2.06	98.00	8299.45	10.73	31.66	10.45	0.76	33.34	18.26
8372.00	1.88	91.93	8371.40	13.19	31.44	12.91	0.38	33.99	22.32



**Scientific
Drilling**

Field: Wildcat
Site: Chaves County, NM
Well: Enterprise 11 State Com #3H
Wellpath: VH - Job #32K1108868
Survey: 11/03/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/17/2008
Model: igrf2000

