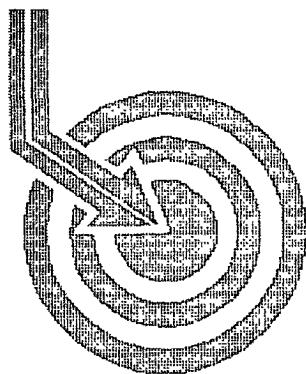




Scientific Drilling

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MAY 01 2009

HOBBSOCD

SUR: P-36-17s-34e, 10/S & 420/E
BHL: P-36-17s-34e, 31/S & 4/E
API #30-025-38849

CHEVRON

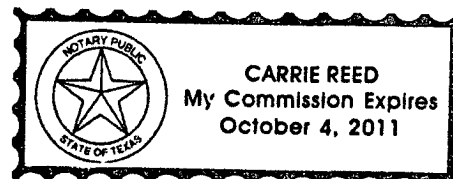
Field: Central Vacuum
Site: Lea County, NM
Well: Central Vacuum Unit #238
Wellpath: DH - Job #32K0109044
Survey: 02/02/09-02/09/09

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

.....*R. W. Harter*..... Company Representative

Notorized this date 23rd of March, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CHEVRON Date: 03/23/2009 Time: 11:36:19 Page: 1
Field: Central Vacuum Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Site: Lea County, NM Vertical (TVD) Reference: SITE 0.0
Well: Central Vacuum Unit #238 Section (VS) Reference: Well (0.00N,0.00E,86.46Azi)
Wellpath: VH - Job #32K0209051 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/03/09 Start Date: 02/03/2009
KSRG 0'-2980'
Company: Scientific Drilling Internatio Engineer: Madrid 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	359.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.21	196.13	100.00	-0.06	-0.18	-0.05	0.21	0.18	196.13
200.00	0.28	212.99	200.00	-0.27	-0.56	-0.23	0.10	0.60	202.86
300.00	0.28	222.92	300.00	-0.59	-0.94	-0.53	0.05	1.08	209.59
400.00	0.23	249.15	400.00	-0.96	-1.19	-0.89	0.13	1.49	216.71
500.00	0.23	237.33	500.00	-1.33	-1.37	-1.24	0.05	1.85	222.24
600.00	0.47	325.33	599.99	-1.71	-1.14	-1.65	0.52	2.00	235.26
700.00	1.94	358.94	699.97	-1.85	0.89	-1.91	1.57	2.11	294.91
800.00	2.48	6.50	799.90	-1.40	4.73	-1.70	0.61	5.03	340.25
900.00	2.84	28.31	899.79	0.28	9.06	-0.28	1.07	9.06	358.24
1000.00	2.84	40.28	999.67	3.30	13.13	2.50	0.59	13.37	10.77
1100.00	2.84	50.37	1099.55	7.02	16.60	6.01	0.50	17.66	19.89
1200.00	2.85	61.07	1199.42	11.27	19.38	10.09	0.53	21.85	27.50
1300.00	2.77	63.81	1299.30	15.75	21.65	14.44	0.16	26.02	33.69
1400.00	2.84	71.42	1399.18	20.37	23.51	18.95	0.38	30.20	38.87
1500.00	2.67	73.87	1499.07	25.03	24.95	23.54	0.21	34.30	43.34
1600.00	2.33	81.41	1598.97	29.33	25.90	27.79	0.47	37.98	47.02
1700.00	1.80	84.20	1698.91	32.93	26.36	31.36	0.54	40.96	49.95
1800.00	1.72	89.89	1798.86	35.99	26.52	34.42	0.19	43.45	52.39
1900.00	1.61	85.94	1898.82	38.90	26.62	37.32	0.16	45.85	54.50
2000.00	1.63	87.95	1998.78	41.72	26.77	40.15	0.06	48.25	56.30
2100.00	1.69	87.42	2098.74	44.62	26.89	43.04	0.06	50.75	58.00
2200.00	1.62	81.82	2198.70	47.50	27.16	45.91	0.18	53.34	59.40
2300.00	1.83	82.84	2298.65	50.50	27.56	48.90	0.21	56.13	60.59
2400.00	1.71	82.21	2398.60	53.59	27.96	51.96	0.12	59.00	61.72
2500.00	2.04	79.52	2498.55	56.84	28.49	55.19	0.34	62.10	62.70
2600.00	2.15	79.44	2598.48	60.47	29.15	58.78	0.11	65.61	63.62
2700.00	2.24	76.83	2698.41	64.26	29.94	62.53	0.13	69.33	64.41
2800.00	1.90	76.68	2798.34	67.82	30.77	66.04	0.34	72.86	65.02
2900.00	1.74	84.56	2898.29	70.97	31.29	69.17	0.30	75.92	65.66
2980.00	1.42	86.22	2978.26	73.17	31.48	71.37	0.40	78.00	66.20



Scientific Drilling International Survey Report

Company: CHEVRON	Date: 03/23/2009	Time: 11:55:07	Page: 1
Field: Central Vacuum	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Central Vacuum Unit #238	Section (VS) Reference:	Well (0.00N,0.00E,86.46Azi)	
Wellpath: DH - Job #32K0109044	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 02/02/09-02/09/09	Start Date: 02/02/2009
MWD 3053'-5138'	
Company: Scientific Drilling Internatio	Engineer: Melendez/Sneed
Tool: MWD;MWD	Tied-to: From: Definitive Path

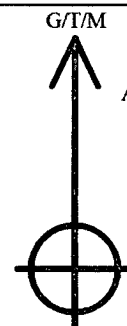
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2980.00	1.42	86.22	2978.26	73.17	31.48	71.37	0.00	78.00	66.20
3053.00	1.67	99.75	3051.24	75.11	31.35	73.32	0.60	79.74	66.85
3148.00	2.78	93.32	3146.16	78.75	30.99	76.98	1.20	82.98	68.07
3242.00	4.34	80.39	3239.98	84.55	31.45	82.77	1.86	88.54	69.19
3337.00	6.31	88.88	3334.57	93.34	32.15	91.53	2.23	97.01	70.65
3434.00	8.72	88.34	3430.73	106.02	32.47	104.21	2.49	109.15	72.69
3529.00	10.02	89.77	3524.46	121.47	32.71	119.67	1.39	124.06	74.71
3624.00	9.21	90.54	3618.12	137.30	32.67	135.54	0.86	139.42	76.45
3719.00	8.33	90.87	3712.01	151.74	32.50	150.02	0.93	153.50	77.78
3815.00	10.61	92.99	3806.70	167.46	31.93	165.81	2.40	168.85	79.10
3910.00	9.98	93.85	3900.17	184.31	30.92	182.75	0.68	185.35	80.40
4005.00	9.59	92.73	3993.78	200.34	29.99	198.87	0.46	201.12	81.42
4099.00	11.70	91.86	4086.16	217.62	29.31	216.22	2.25	218.20	82.28
4194.00	11.62	93.10	4179.20	236.71	28.48	235.40	0.28	237.12	83.10
4289.00	11.31	91.96	4272.31	255.49	27.64	254.26	0.40	255.76	83.80
4384.00	11.27	93.19	4365.47	273.98	26.81	272.84	0.26	274.16	84.39
4479.00	10.88	92.88	4458.70	292.11	25.84	291.07	0.42	292.21	84.93
4575.00	10.28	90.69	4553.07	309.65	25.28	308.68	0.75	309.71	85.32
4669.00	10.00	91.19	4645.60	326.15	25.01	325.23	0.31	326.19	85.60
4765.00	10.18	93.33	4740.11	342.88	24.34	342.03	0.43	342.90	85.93
4860.00	9.74	92.67	4833.68	359.20	23.48	358.44	0.48	359.21	86.25
4955.00	9.56	91.11	4927.34	375.06	22.96	374.35	0.33	375.06	86.49
5043.00	9.54	92.51	5014.12	389.59	22.49	388.94	0.26	389.59	86.69
5138.00	9.12	91.87	5107.86	404.92	21.90	404.33	0.46	404.93	86.90



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Drilling

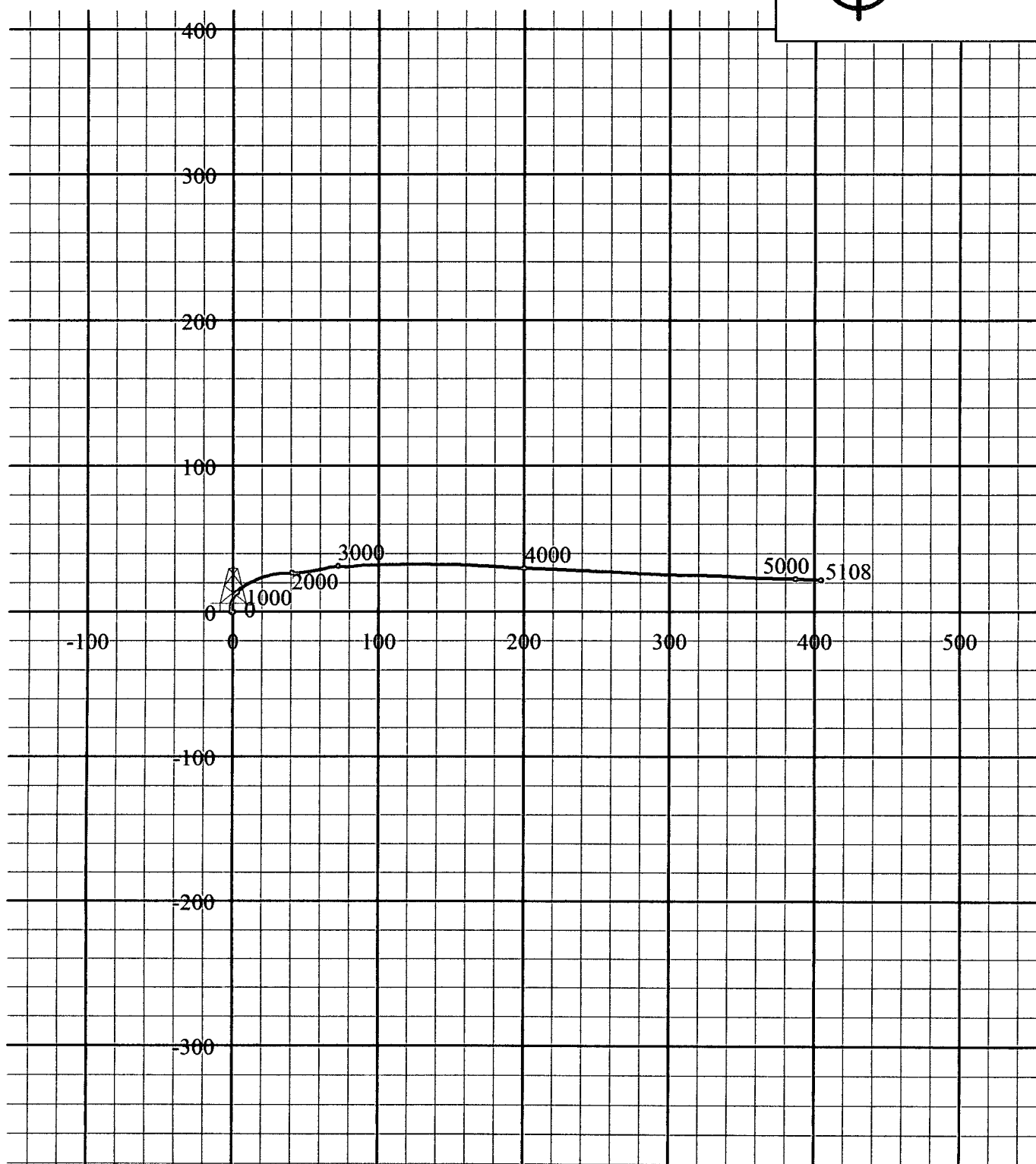
Field: Central Vacuum
Site: Lea County, NM
Well: Central Vacuum Unit #238
Wellpath: DH - Job #32K0109044
Survey: 02/02/09-02/09/09



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 03/23/2009
Model: igrf2000

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]