

Results of Directional Survey

API number:	30-025-24026		
OGRID:		Operator:	CHEVRON U S A INC
		Property:	NORTH VACUUM ABO WEST UNIT # 6H

surface	ULSTR:	H	21	T 17S	R 34E
				2080 FNL	560 FEL

BH Loc	ULSTR:	C	22	T 17S	R 34E
11527	MD	8817.1	TVD	746 FNL	1759 FWL

Top Perf/OH	ULSTR:	H	21	T 17S	R 34E
8632	MD	8631.0	TVD	2068 FNL	519 FEL

Bot Perf/OH	ULSTR:	C	22	T 17S	R 34E
11527	MD	8817.1	TVD	746 FNL	1759 FWL

	MD	N/S	E/W	VD
	8578.4	11.70	34.10	8578.1
TOP PERFS/OH	8632	11.86	41.40	8631.01
	8679	12.00	47.80	8677.40
	11485	1302.00	2290.80	8817.40
BOT. PERFS/OH	11527	1333.60	2318.50	8817.10
	11527	1333.60	2318.50	8817.10

NEXT TO LAST	11485	1302.00	2290.80	8817.40
LAST READING	11527	1333.60	2318.50	8817.10
TD	11527	1333.60	2318.50	8817.10

Surface Location	2080	FN	560	FE
Projected BHL	746	FN	1759	FW
Location of				
Top Perfs/OH	2068	FN	519	FE
Bottom Perfs/OH	746	FN	1759	FW

SUMMARY of Subsurface Locations

Surface Location	H-21-17S-34E	2080	FN	560	FE	Vert. Depth
Top Perfs/OH	H-21-17S-34E	2068	FN	519	FE	8631.01
Bottom Perfs/OH	C-22-17S-34E	746	FN	1759	FW	8817.10
Projected TD	C-22-17S-34E	746	FN	1759	FW	8817.10

JAN 23 2012



Scientific Drilling

SUR: H-21-17s-34e, 2080/N & 560/E
BHL: C-22-17s-34e, 746/N & 1759/W
API # 30-025-24026

RECEIVED

NOV 04 2011

RECEIVED

Chevron

Lea County, New Mexico
NVAWU (6)
Well #6- NE
Lateral

Design: Actual

Final Survey Report

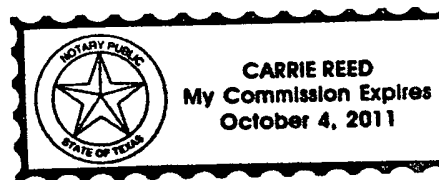
This survey is correct to the best of my knowledge and is supported by actual field data.

Robert

Notarized this date 31st of May, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Project	Lea County, New Mexico		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	NVAWU (6)		
Site Position:		Northing:	663,596.67 usft
From:	Map	Easting:	779,376.44 usft
Position Uncertainty:	0.0 usft	Slot Radius:	0 "
		Latitude:	32° 49' 18.683 N
		Longitude:	103° 33' 30.436 W
		Grid Convergence:	0.42 °

Well	Well #6- NE		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			usft
			Latitude:
			32° 49' 18.683 N
			Longitude:
			103° 33' 30.436 W
			Ground Level:
			4,058.0 usft

Wellbore	Lateral		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	3/31/2011	7.65
			Dip Angle
			(°)
			60.75
			Field Strength
			(nT)
			48,995

Design	Actual		
Audit Notes:			
Version:	2	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			60.09

Survey Program	Date 5/10/2011		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	8,578.4	Survey #1 (Lateral)	SDI Gyro
8,679.0	11,527.0	Survey #2 (Lateral)	MWD-SDI
			Description
			Gyroscopic Survey
			MWD - Standard ISCWSA

Survey											
MD	Inc	Azi (azimuth)	TVD	N/S	E/W	DLeg	Closure Distance	Closure Azimuth	Northing	Easting	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(usft)	(°)	(usft)	(usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.00	663,596.67	779,376.44	
100.0	0.51	120.52	100.0	-0.2	0.4	0.51	0.4	120.52	663,596.45	779,376.82	
200.0	0.02	232.84	200.0	-0.5	0.8	0.52	0.9	121.57	663,596.21	779,377.19	
300.0	0.06	154.19	300.0	-0.5	0.8	0.06	0.9	124.33	663,596.15	779,377.20	
400.0	0.28	18.49	400.0	-0.3	0.9	0.33	0.9	111.27	663,596.34	779,377.30	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
500.0	0.22	6.45	500.0	0.1	1.0	0.08	1.0	84.84	663,596.76	779,377.40	
600.0	0.33	104.91	600.0	0.2	1.3	0.42	1.3	80.83	663,596.88	779,377.70	
700.0	0.24	125.54	700.0	0.0	1.7	0.14	1.7	89.74	663,596.68	779,378.15	
800.0	0.37	107.47	800.0	-0.2	2.2	0.16	2.2	95.51	663,596.46	779,378.63	
900.0	0.24	139.63	900.0	-0.5	2.6	0.21	2.7	100.07	663,596.21	779,379.07	
1,000.0	0.07	166.96	1,000.0	-0.7	2.8	0.18	2.9	103.87	663,595.99	779,379.22	
1,100.0	0.33	231.39	1,100.0	-0.9	2.6	0.31	2.7	109.81	663,595.75	779,379.01	
1,200.0	0.39	265.67	1,200.0	-1.1	2.0	0.22	2.3	119.42	663,595.54	779,378.45	
1,300.0	0.33	246.16	1,300.0	-1.3	1.4	0.14	1.9	132.23	663,595.40	779,377.84	
1,400.0	0.19	263.80	1,400.0	-1.4	1.0	0.16	1.7	145.30	663,595.27	779,377.42	
1,500.0	0.30	263.64	1,500.0	-1.5	0.5	0.11	1.6	159.30	663,595.22	779,376.99	
1,600.0	0.23	254.73	1,600.0	-1.5	0.1	0.08	1.5	176.44	663,595.14	779,376.54	
1,700.0	0.26	222.08	1,700.0	-1.8	-0.2	0.14	1.8	188.10	663,594.92	779,376.19	
1,800.0	0.23	194.82	1,800.0	-2.1	-0.5	0.12	2.2	192.07	663,594.55	779,375.99	
1,900.0	0.30	193.54	1,900.0	-2.6	-0.6	0.07	2.6	192.43	663,594.10	779,375.88	
2,000.0	0.38	202.99	2,000.0	-3.1	-0.8	0.10	3.2	193.60	663,593.54	779,375.68	
2,100.0	0.42	198.17	2,100.0	-3.8	-1.0	0.05	3.9	194.82	663,592.89	779,375.44	
2,200.0	0.48	178.61	2,200.0	-4.5	-1.1	0.16	4.7	193.65	663,592.12	779,375.34	
2,300.0	0.36	192.13	2,300.0	-5.3	-1.2	0.15	5.4	192.41	663,591.40	779,375.28	
2,400.0	0.52	190.91	2,400.0	-6.0	-1.3	0.16	6.2	192.28	663,590.65	779,375.13	
2,500.0	0.47	192.95	2,500.0	-6.9	-1.5	0.05	7.0	192.23	663,589.80	779,374.95	
2,600.0	0.33	134.34	2,600.0	-7.5	-1.4	0.41	7.6	190.43	663,589.20	779,375.06	
2,700.0	0.22	140.92	2,700.0	-7.8	-1.0	0.11	7.9	187.64	663,588.85	779,375.39	
2,800.0	0.44	94.25	2,800.0	-8.0	-0.5	0.33	8.0	183.90	663,588.67	779,375.90	
2,900.0	0.56	78.01	2,899.9	-7.9	0.3	0.18	7.9	177.72	663,588.74	779,376.76	
3,000.0	0.44	81.26	2,999.9	-7.8	1.2	0.12	7.9	171.41	663,588.90	779,377.61	
3,100.0	0.47	45.70	3,099.9	-7.4	1.8	0.28	7.6	166.03	663,589.25	779,378.29	
3,200.0	0.52	49.79	3,199.9	-6.8	2.5	0.06	7.3	160.04	663,589.83	779,378.93	
3,300.0	0.43	56.64	3,299.9	-6.3	3.1	0.11	7.1	153.63	663,590.33	779,379.59	
3,400.0	0.25	56.48	3,399.9	-6.0	3.6	0.18	7.0	148.82	663,590.65	779,380.08	
3,500.0	0.19	38.40	3,499.9	-5.8	3.9	0.09	7.0	145.76	663,590.90	779,380.37	
3,600.0	0.19	20.63	3,599.9	-5.5	4.1	0.06	6.8	143.29	663,591.19	779,380.53	
3,700.0	0.11	33.85	3,699.9	-5.2	4.2	0.09	6.7	141.33	663,591.42	779,380.64	
3,800.0	0.13	32.41	3,799.9	-5.1	4.3	0.02	6.7	139.62	663,591.60	779,380.76	
3,900.0	0.20	46.49	3,899.9	-4.9	4.5	0.08	6.6	137.17	663,591.82	779,380.94	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
4,000.0	0.14	351.66	3,999.9	-4.6	4.6	0.17	6.5	135.03	663,592.06	779,381.05	
4,100.0	0.21	310.65	4,099.9	-4.4	4.5	0.14	6.2	134.49	663,592.30	779,380.89	
4,200.0	0.12	313.70	4,199.9	-4.2	4.2	0.09	6.0	134.62	663,592.49	779,380.68	
4,300.0	0.17	255.04	4,299.9	-4.1	4.0	0.15	5.8	135.91	663,592.52	779,380.46	
4,400.0	0.17	214.12	4,399.9	-4.3	3.8	0.12	5.7	138.65	663,592.36	779,380.23	
4,500.0	0.18	137.71	4,499.9	-4.5	3.8	0.22	5.9	140.01	663,592.12	779,380.26	
4,600.0	0.20	112.78	4,599.9	-4.7	4.1	0.08	6.3	139.22	663,591.94	779,380.52	
4,700.0	0.20	79.81	4,699.9	-4.8	4.4	0.11	6.5	137.21	663,591.90	779,380.86	
4,800.0	0.21	86.56	4,799.9	-4.7	4.8	0.03	6.7	134.75	663,591.94	779,381.21	
4,900.0	0.12	83.62	4,899.9	-4.7	5.1	0.09	6.9	132.94	663,591.97	779,381.50	
5,000.0	0.14	151.00	4,999.9	-4.8	5.2	0.15	7.1	132.60	663,591.87	779,381.66	
5,100.0	0.14	129.23	5,099.9	-5.0	5.4	0.05	7.3	132.85	663,591.69	779,381.82	
5,200.0	0.28	102.74	5,199.9	-5.1	5.7	0.17	7.7	131.88	663,591.56	779,382.15	
5,300.0	0.20	157.06	5,299.9	-5.3	6.0	0.23	8.0	131.56	663,591.34	779,382.45	
5,400.0	0.06	300.11	5,399.9	-5.5	6.0	0.25	8.1	132.16	663,591.21	779,382.48	
5,500.0	0.19	67.03	5,499.9	-5.4	6.1	0.23	8.2	131.18	663,591.30	779,382.58	
5,600.0	0.20	4.25	5,599.9	-5.1	6.3	0.20	8.1	129.15	663,591.54	779,382.75	
5,700.0	0.18	78.05	5,699.9	-4.9	6.5	0.23	8.1	127.28	663,591.74	779,382.92	
5,800.0	0.22	39.24	5,799.9	-4.7	6.8	0.14	8.3	125.12	663,591.93	779,383.19	
5,900.0	0.23	59.19	5,899.9	-4.5	7.0	0.08	8.4	122.55	663,592.18	779,383.49	
6,000.0	0.66	52.99	5,999.9	-4.0	7.7	0.43	8.7	117.79	663,592.63	779,384.12	
6,100.0	1.19	43.93	6,099.9	-3.0	8.9	0.55	9.3	108.43	663,593.72	779,385.30	
6,200.0	1.23	48.66	6,199.9	-1.5	10.4	0.11	10.5	98.19	663,595.18	779,386.82	
6,300.0	1.11	46.70	6,299.9	-0.1	11.9	0.13	11.9	90.59	663,596.55	779,388.34	
6,400.0	1.15	41.03	6,399.8	1.3	13.3	0.12	13.3	84.40	663,597.97	779,389.70	
6,500.0	1.24	44.15	6,499.8	2.8	14.7	0.11	14.9	79.07	663,599.51	779,391.11	
6,600.0	0.94	61.67	6,599.8	4.0	16.1	0.45	16.6	76.09	663,600.67	779,392.59	
6,700.0	0.93	47.39	6,699.8	4.9	17.5	0.23	18.1	74.22	663,601.61	779,393.91	
6,800.0	0.74	47.53	6,799.8	5.9	18.5	0.19	19.5	72.28	663,602.60	779,394.98	
6,900.0	0.84	62.79	6,899.8	6.7	19.7	0.23	20.8	71.20	663,603.37	779,396.11	
7,000.0	0.83	53.32	6,999.8	7.5	20.9	0.14	22.2	70.35	663,604.13	779,397.34	
7,100.0	0.70	62.93	7,099.7	8.2	22.0	0.18	23.5	69.64	663,604.84	779,398.47	
7,200.0	0.98	62.86	7,199.7	8.8	23.3	0.28	24.9	69.25	663,605.51	779,399.77	
7,300.0	0.79	50.27	7,299.7	9.7	24.6	0.27	26.5	68.56	663,606.34	779,401.06	
7,400.0	0.64	60.92	7,399.7	10.4	25.6	0.20	27.7	67.95	663,607.06	779,402.08	

Survey

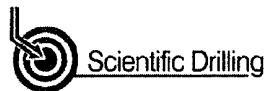
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
7,500.0	0.62	46.10	7,499.7	11.0	26.5	0.16	28.7	67.42	663,607.70	779,402.96
7,600.0	0.32	79.77	7,599.7	11.5	27.2	0.40	29.5	67.15	663,608.13	779,403.62
7,700.0	0.49	60.11	7,699.7	11.7	27.8	0.22	30.2	67.17	663,608.39	779,404.27
7,800.0	0.33	54.57	7,799.7	12.1	28.4	0.16	30.9	66.95	663,608.77	779,404.87
7,900.0	0.45	72.57	7,899.7	12.4	29.0	0.17	31.6	66.91	663,609.05	779,405.48
8,000.0	0.46	50.31	7,999.7	12.8	29.7	0.18	32.3	66.77	663,609.43	779,406.17
8,100.0	0.28	85.88	8,099.7	13.0	30.3	0.28	33.0	66.72	663,609.70	779,406.72
8,200.0	0.48	90.38	8,199.7	13.0	30.9	0.20	33.6	67.14	663,609.72	779,407.38
8,300.0	0.41	119.09	8,299.7	12.9	31.7	0.23	34.2	67.89	663,609.54	779,408.11
8,400.0	0.70	121.60	8,399.7	12.4	32.5	0.29	34.8	69.16	663,609.05	779,408.95
8,500.0	0.52	107.00	8,499.7	11.9	33.5	0.24	35.5	70.39	663,608.59	779,409.90
8,578.4	0.51	117.23	8,578.1	11.7	34.1	0.12	36.0	71.13	663,608.33	779,410.55
SDI Gyro Tie-in - SDI Gyro Tie-in										
8,679.0	15.26	87.61	8,677.4	12.0	47.8	14.73	49.3	75.90	663,608.68	779,424.25
8,710.0	24.85	86.66	8,706.5	12.6	58.4	30.95	59.8	77.87	663,609.23	779,434.86
8,742.0	31.14	86.06	8,734.8	13.5	73.4	19.68	74.6	79.56	663,610.19	779,449.84
8,774.0	35.89	85.75	8,761.4	14.8	91.0	14.85	92.2	80.77	663,611.46	779,467.46
8,806.0	45.02	85.30	8,785.8	16.4	111.7	28.55	112.9	81.64	663,613.08	779,488.14
8,838.0	53.68	82.50	8,806.6	19.0	135.8	27.86	137.1	82.03	663,615.70	779,512.24
8,869.0	61.15	79.38	8,823.3	23.2	161.6	25.54	163.2	81.84	663,619.84	779,538.01
8,901.0	67.38	78.68	8,837.2	28.7	189.9	19.57	192.0	81.42	663,625.32	779,566.30
8,932.0	73.72	78.21	8,847.5	34.5	218.5	20.50	221.2	81.03	663,631.18	779,594.92
8,964.0	80.51	78.13	8,854.6	40.9	249.0	21.22	252.3	80.67	663,637.57	779,625.43
8,996.0	87.15	79.68	8,858.1	47.0	280.2	21.30	284.1	80.48	663,643.69	779,656.63
9,028.0	88.93	82.29	8,859.2	52.0	311.8	9.87	316.1	80.53	663,648.70	779,688.22
9,059.0	90.13	84.52	8,859.4	55.6	342.6	8.17	347.0	80.78	663,652.26	779,719.01
9,090.0	90.57	85.34	8,859.2	58.3	373.4	3.00	378.0	81.12	663,655.00	779,749.89
9,122.0	89.83	85.20	8,859.1	61.0	405.3	2.35	409.9	81.45	663,657.63	779,781.78
9,153.0	89.46	83.86	8,859.3	63.9	436.2	4.48	440.9	81.66	663,660.59	779,812.63
9,185.0	89.46	84.03	8,859.6	67.3	468.0	0.53	472.8	81.82	663,663.97	779,844.45
9,216.0	89.46	83.72	8,859.9	70.6	498.8	1.00	503.8	81.94	663,667.27	779,875.27
9,248.0	89.33	84.11	8,860.2	74.0	530.7	1.28	535.8	82.06	663,670.66	779,907.09
9,279.0	91.15	83.97	8,860.1	77.2	561.5	5.89	566.8	82.17	663,673.88	779,937.92
9,311.0	92.46	84.77	8,859.1	80.3	593.3	4.80	598.7	82.29	663,677.02	779,969.75
9,343.0	92.22	84.56	8,857.8	83.3	625.1	1.00	630.7	82.41	663,679.99	780,001.59
9,374.0	92.26	82.88	8,856.6	86.7	655.9	5.42	661.6	82.47	663,683.38	780,032.38

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
9,406.0	92.19	81.19	8,855.3	91.1	687.6	5.28	693.6	82.45	663,687.81	780,064.04
9,438.0	92.33	79.59	8,854.1	96.5	719.1	5.02	725.6	82.36	663,693.15	780,095.57
9,469.0	92.87	79.75	8,852.7	102.0	749.6	1.82	756.5	82.25	663,698.70	780,126.03
9,501.0	91.44	79.00	8,851.5	107.9	781.0	5.05	788.4	82.13	663,704.60	780,157.46
9,533.0	91.78	78.15	8,850.6	114.3	812.4	2.86	820.4	81.99	663,710.94	780,188.81
9,565.0	91.91	78.51	8,849.5	120.7	843.7	1.20	852.3	81.86	663,717.41	780,220.14
9,596.0	90.30	77.93	8,848.9	127.1	874.0	5.52	883.2	81.73	663,723.73	780,250.48
9,628.0	90.50	77.55	8,848.7	133.9	905.3	1.34	915.1	81.59	663,730.53	780,281.75
9,660.0	90.84	76.88	8,848.3	140.9	936.5	2.35	947.1	81.44	663,737.61	780,312.95
9,692.0	91.31	77.08	8,847.7	148.1	967.7	1.60	979.0	81.30	663,744.82	780,344.12
9,723.0	90.67	78.71	8,847.2	154.6	998.0	5.65	1,009.9	81.19	663,751.32	780,374.43
9,754.0	90.10	77.56	8,847.0	161.0	1,028.3	4.14	1,040.9	81.10	663,757.69	780,404.76
9,786.0	90.54	77.60	8,846.8	167.9	1,059.6	1.38	1,072.8	81.00	663,764.57	780,436.01
9,817.0	90.84	77.02	8,846.4	174.7	1,089.8	2.11	1,103.7	80.89	663,771.38	780,466.25
9,849.0	90.81	74.52	8,846.0	182.6	1,120.8	7.81	1,135.6	80.75	663,779.25	780,497.27
9,880.0	90.57	71.60	8,845.6	191.6	1,150.5	9.45	1,166.3	80.54	663,788.28	780,526.92
9,911.0	91.31	68.54	8,845.1	202.2	1,179.6	10.15	1,196.8	80.27	663,798.84	780,556.05
9,943.0	92.55	66.92	8,844.0	214.3	1,209.2	6.37	1,228.0	79.95	663,810.96	780,585.65
9,975.0	91.99	64.16	8,842.8	227.5	1,238.3	8.79	1,259.0	79.59	663,824.20	780,614.75
10,006.0	92.41	61.66	8,841.6	241.6	1,265.9	8.17	1,288.7	79.19	663,838.31	780,642.32
10,038.0	92.91	59.35	8,840.1	257.4	1,293.7	7.38	1,319.1	78.75	663,854.04	780,670.15
10,071.0	93.45	53.53	8,838.2	275.6	1,321.1	17.69	1,349.6	78.22	663,872.25	780,697.59
10,103.0	91.37	48.08	8,836.9	295.8	1,345.9	18.21	1,378.0	77.61	663,892.45	780,722.36
10,134.0	88.75	48.13	8,836.9	316.5	1,369.0	8.45	1,405.1	76.98	663,913.15	780,745.43
10,166.0	89.56	47.58	8,837.3	337.9	1,392.7	3.06	1,433.1	76.36	663,934.62	780,769.15
10,197.0	91.01	48.55	8,837.2	358.7	1,415.8	5.63	1,460.5	75.78	663,955.33	780,792.21
10,229.0	91.78	47.15	8,836.4	380.1	1,439.5	4.99	1,488.8	75.21	663,976.80	780,815.93
10,261.0	90.44	47.81	8,835.8	401.7	1,463.1	4.67	1,517.2	74.65	663,998.42	780,839.51
10,292.0	90.17	46.95	8,835.6	422.7	1,485.9	2.91	1,544.8	74.12	664,019.41	780,862.32
10,324.0	90.78	47.20	8,835.4	444.5	1,509.3	2.06	1,573.4	73.59	664,041.20	780,885.75
10,355.0	91.08	46.37	8,834.9	465.8	1,531.9	2.85	1,601.1	73.09	664,062.43	780,908.34
10,386.0	91.14	45.33	8,834.3	487.3	1,554.1	3.36	1,628.8	72.59	664,084.02	780,930.58
10,418.0	90.60	45.47	8,833.8	509.8	1,576.9	1.74	1,657.3	72.08	664,106.48	780,953.36
10,450.0	90.91	45.71	8,833.3	532.2	1,599.8	1.23	1,686.0	71.60	664,128.87	780,976.22
10,491.0	91.65	44.18	8,832.4	561.2	1,628.7	4.14	1,722.7	70.99	664,157.89	781,005.17

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
10,513.0	92.19	44.04	8,831.7	577.0	1,644.0	2.54	1,742.4	70.66	664,173.67	781,020.48
10,545.0	90.94	43.06	8,830.8	600.2	1,666.1	4.96	1,770.9	70.19	664,196.86	781,042.52
10,576.0	90.41	41.19	8,830.5	623.2	1,686.9	6.27	1,798.3	69.72	664,219.85	781,063.31
10,608.0	89.43	39.87	8,830.5	647.5	1,707.7	5.14	1,826.3	69.23	664,244.17	781,084.10
10,640.0	89.77	39.11	8,830.7	672.2	1,728.0	2.60	1,854.1	68.74	664,268.86	781,104.45
10,672.0	90.57	39.56	8,830.6	696.9	1,748.3	2.87	1,882.1	68.27	664,293.61	781,124.73
10,704.0	89.46	39.94	8,830.6	721.5	1,768.8	3.67	1,910.3	67.81	664,318.21	781,145.19
10,736.0	89.33	40.33	8,831.0	746.0	1,789.4	1.28	1,938.7	67.37	664,342.68	781,165.82
10,767.0	89.76	40.31	8,831.2	769.6	1,809.4	1.39	1,966.3	66.96	664,366.31	781,185.88
10,799.0	90.00	41.46	8,831.3	793.8	1,830.4	3.67	1,995.1	66.55	664,390.51	781,206.82
10,831.0	89.93	40.85	8,831.3	817.9	1,851.4	1.92	2,024.1	66.17	664,414.60	781,227.88
10,862.0	90.80	40.93	8,831.1	841.4	1,871.7	2.82	2,052.1	65.80	664,438.03	781,248.17
10,894.0	89.80	42.19	8,830.9	865.3	1,893.0	5.03	2,081.4	65.43	664,461.98	781,269.40
10,926.0	90.84	42.74	8,830.7	888.9	1,914.6	3.68	2,110.9	65.10	664,485.58	781,291.01
10,958.0	92.75	43.03	8,829.7	912.3	1,936.3	6.04	2,140.5	64.77	664,509.02	781,312.77
10,989.0	93.68	43.01	8,828.0	935.0	1,957.4	3.00	2,169.3	64.47	664,531.65	781,333.89
11,021.0	92.98	42.65	8,826.1	958.4	1,979.2	2.46	2,199.0	64.16	664,555.07	781,355.60
11,053.0	91.99	42.36	8,824.8	982.0	2,000.8	3.22	2,228.7	63.86	664,578.64	781,377.20
11,085.0	90.30	41.57	8,824.1	1,005.8	2,022.2	5.83	2,258.5	63.56	664,602.43	781,398.60
11,117.0	89.67	42.30	8,824.1	1,029.6	2,043.5	3.01	2,288.2	63.26	664,626.23	781,419.98
11,148.0	90.20	41.68	8,824.2	1,052.6	2,064.3	2.63	2,317.2	62.98	664,649.29	781,440.74
11,180.0	90.67	42.65	8,823.9	1,076.3	2,085.8	3.37	2,347.1	62.70	664,673.01	781,462.21
11,211.0	90.94	42.76	8,823.5	1,099.1	2,106.8	0.94	2,376.3	62.45	664,695.79	781,483.24
11,243.0	90.81	42.79	8,823.0	1,122.6	2,128.5	0.42	2,406.4	62.19	664,719.27	781,504.97
11,275.0	90.91	42.59	8,822.5	1,146.1	2,150.2	0.70	2,436.6	61.94	664,742.79	781,526.66
11,307.0	91.24	42.11	8,821.9	1,169.8	2,171.8	1.82	2,466.8	61.69	664,766.44	781,548.21
11,337.0	92.89	41.91	8,820.8	1,192.0	2,191.8	5.54	2,495.0	61.46	664,788.71	781,568.28
11,369.0	93.63	42.11	8,819.0	1,215.8	2,213.2	2.40	2,525.2	61.22	664,812.45	781,589.66
11,401.0	90.74	42.25	8,817.8	1,239.5	2,234.7	9.04	2,555.4	60.99	664,836.15	781,611.13
11,432.0	89.97	42.16	8,817.6	1,262.4	2,255.5	2.50	2,584.8	60.76	664,859.11	781,631.95
11,464.0	90.23	41.60	8,817.5	1,286.3	2,276.9	1.93	2,615.1	60.54	664,882.93	781,653.32
11,485.0	90.40	41.30	8,817.4	1,302.0	2,290.8	1.64	2,634.9	60.39	664,898.67	781,667.22
11,527.0	90.40	41.30	8,817.1	1,333.6	2,318.5	0.00	2,674.7	60.09	664,930.23	781,694.94

Projected Depth



Lea County, New Mexico
NVAWU (6)
Well #6- NE
Lateral

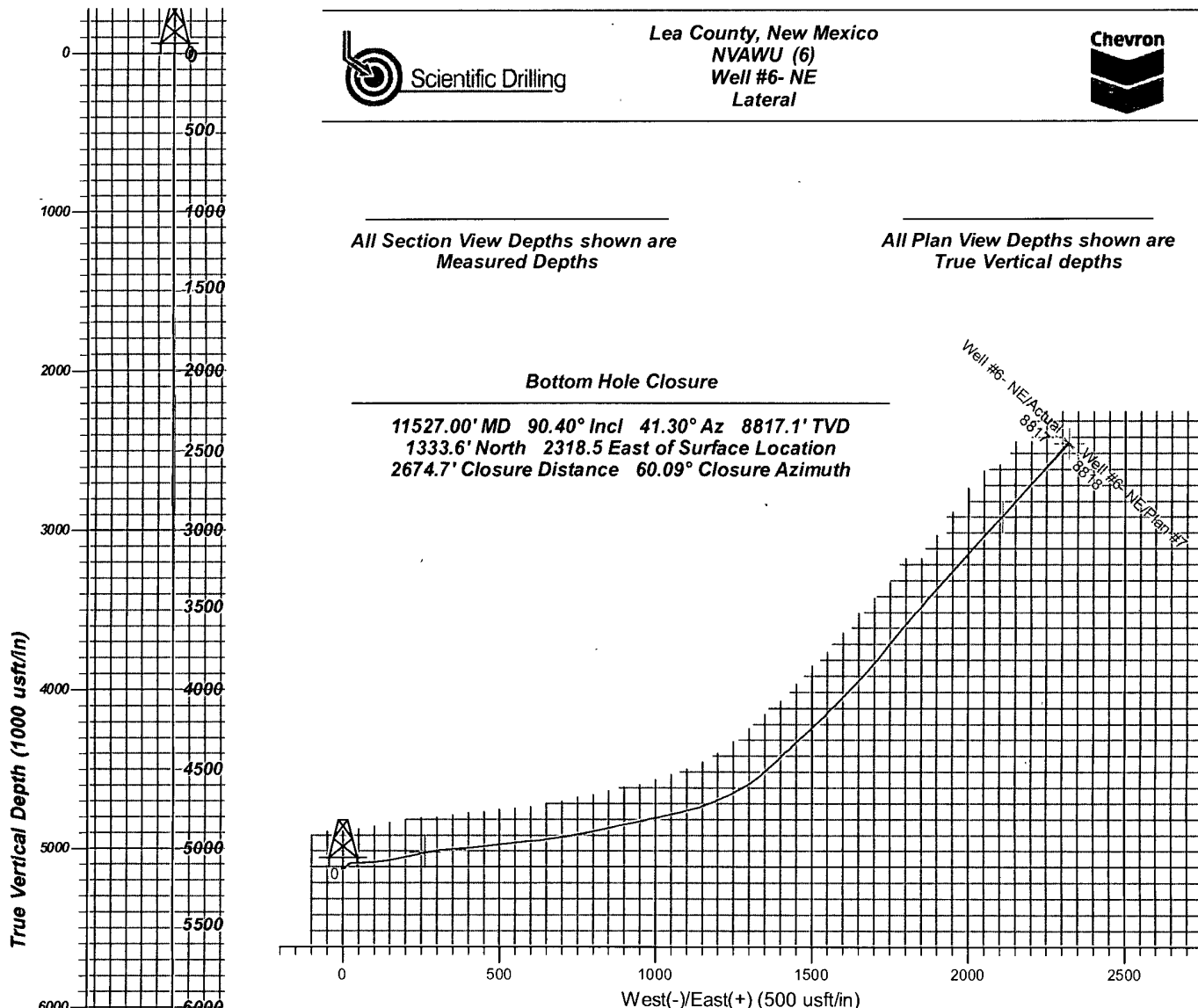


All Section View Depths shown are
Measured Depths

All Plan View Depths shown are
True Vertical depths

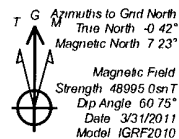
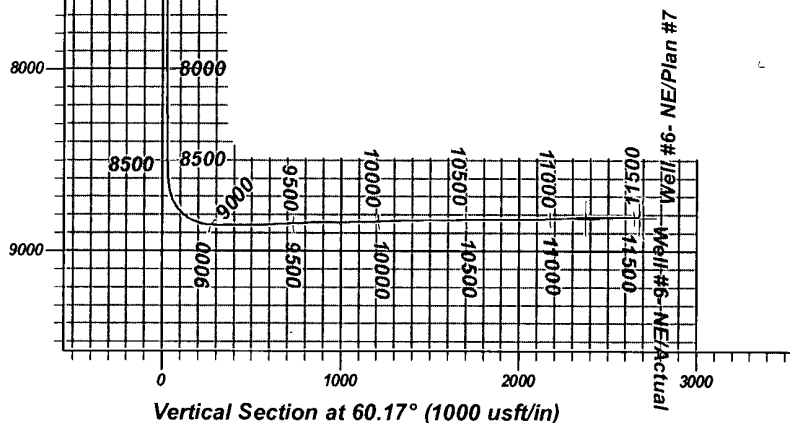
Bottom Hole Closure

11527.00' MD 90.40° Incl 41.30° Az 8817.1' TVD
1333.6' North 2318.5' East of Surface Location
2674.7' Closure Distance 60.09° Closure Azimuth



WELL DETAILS Well #6- NE

+N/-S	+E/-W	Northing	Ground Level:	4058.0				
0.0	0.0	663596.67	Easting	779376.44	Latitude	32° 49' 18.683 N	Longitude	103° 33' 30.436 W
							Slot	



Scientific Drilling Houston District
281-443-4600
Date: 11.15, May 11 2011