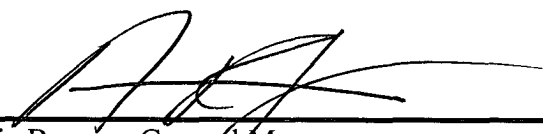


Chevron North American Exploration
15 Smith Road
Midland, TX 79705

Mark Owen # 11-H
Lea County, New Mexico

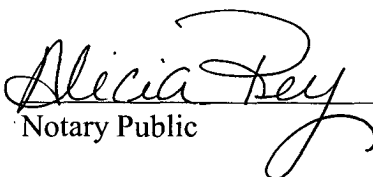
SUR; P-34-21s-37e, 430/S & 560/E
BHL; I-34-21s-37e, 2302/S & 364/E
API # 30-025-38333

258	2.58	1	1.75	4.52	4.52
467	2.09	1	1.75	3.66	8.17
961	4.94	1/4	0.44	2.16	10.33
1440	4.79	1	1.75	8.38	18.72
1888	4.48	1	1.75	7.84	26.56
2208	3.20	1	1.75	5.60	32.16
2687	4.79	1	1.75	8.38	40.54
3135	4.48	3/4	1.31	5.88	46.42
3614	4.79	3/4	1.31	6.29	52.71
4030	4.16	1/4	0.4375	1.82	54.53
4302	2.72	1/4	0.44	1.19	55.72

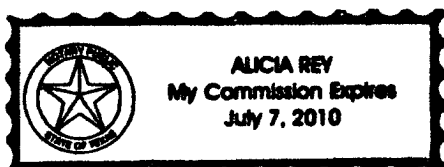


Archie Brown - General Manager

The attached instrument was acknowledged before me on the 12th day of April, 2007 by Archie Brown - General Manager, CapStar Drilling, L.P.



Notary Public



Results of Directional Survey

API number:	30-025-38333		
OGRID:		Operator:	CHEVRON U S A INC
		Property:	MARK OWEN # 11

surface	ULSTR:	P	34	T	21S	R	37E
			430	FSL	560	FEL	

BH Loc	ULSTR:	I	34	T	21S	R	37E
			2302	FSL	364	FEL	

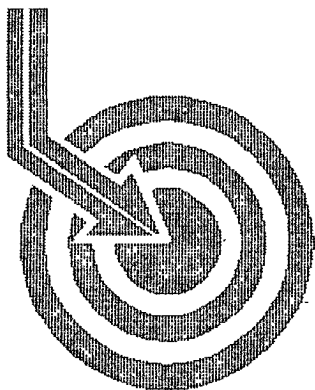
	MD	N/S	E/W	VD
	4817	1077.86	160.99	3832.61
TOP PERFS/OH	4824	1084.85	161.32	3832.62
	4849	1109.82	162.52	3832.67
	5547	1806.86	190.40	3832.92
BOT PERFS/OH	5612	1871.64	195.75	3832.90
	5612	1871.64	195.75	3832.90

NEXT TO LAST	5547	1806.86	190.40	3832.92
LAST READING	5612	1871.64	195.75	3832.90
TD	5612	1871.64	195.75	3832.90

Surface Location	430	FS	560	FE
Projected BHL	2302	FS	364	FE
Location of				
Top Perfs/OH	1515	FS	399	FE
Bottom Perfs/OH	2302	FS	364	FE

SUMMARY of Subsurface Locations

Surface Location	P-34-21S-37E	430	FS	560	FE	Vert. Depth
Top Perfs/OH	I-34-21S-37E	1515	FS	399	FE	3832.62
Bottom Perfs/OH	I-34-21S-37E	2302	FS	364	FE	3832.90
Projected TD	I-34-21S-37E	2302	FS	364	FE	3832.90



Scientific Drilling

SUR; P-34-21s-37e, 430/S & 560/E
BHL; I-34-21s-37e, 2302/S & 364/E
API # 30-025-38333

CHEVRON

Field: Penrose Skelly
Site: Lea County, NM
Well: Mark Owen #11H
Wellpath: DH - Job #32D0607520
Survey: 06/20/07-06/27/07

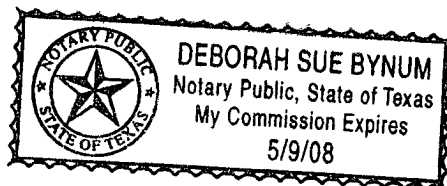
This survey is correct to the best of my knowledge
and is supported by actual field data.

Deborah A. Bynum.....Company Representative

Notorized this date 23rd of July, 2007.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CHEVRON	Date: 07/22/2007	Time: 21:15:16	Page: 1
Field: Penrose Skelly	Co-ordinate(NE) Reference: Well: Mark Owen #11H, True North		
Site: Lea County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Mark Owen #11H	Section (VS) Reference: Well (0.00N,0.00E,6.07Azi)		
Wellpath: VH - Job #32K0607524	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 06/20/07	Start Date: 06/20/2007
Company: KSRG 0'-3594'	
Tool: 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	359.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.72	222.56	100.00	-0.51	-0.46	-0.42	0.72	0.63	222.56
200.00	0.70	223.01	199.99	-1.50	-1.37	-1.27	0.02	1.87	222.71
300.00	0.69	230.34	299.98	-2.42	-2.20	-2.15	0.09	3.08	224.26
400.00	0.86	248.46	399.97	-3.20	-2.86	-3.31	0.30	4.38	229.13
500.00	0.93	266.78	499.96	-3.68	-3.18	-4.82	0.29	5.77	236.53
600.00	0.81	269.92	599.95	-3.88	-3.23	-6.33	0.13	7.11	242.97
700.00	0.93	265.38	699.94	-4.11	-3.30	-7.85	0.14	8.51	247.22
800.00	0.92	264.75	799.93	-4.42	-3.44	-9.46	0.01	10.06	250.03
900.00	0.89	268.76	899.91	-4.67	-3.53	-11.03	0.07	11.58	252.28
1000.00	0.78	267.17	999.90	-4.88	-3.58	-12.49	0.11	12.99	254.02
1100.00	0.83	262.89	1099.89	-5.15	-3.70	-13.89	0.08	14.37	255.08
1200.00	0.76	256.98	1199.88	-5.53	-3.94	-15.25	0.11	15.75	255.52
1300.00	0.61	252.99	1299.88	-5.96	-4.24	-16.41	0.16	16.95	255.50
1400.00	0.50	259.63	1399.87	-6.29	-4.48	-17.35	0.13	17.92	255.52
1500.00	0.35	252.59	1499.87	-6.53	-4.65	-18.07	0.16	18.66	255.57
1600.00	0.30	253.79	1599.87	-6.75	-4.81	-18.61	0.05	19.22	255.50
1700.00	0.27	253.73	1699.87	-6.94	-4.95	-19.09	0.03	19.72	255.46
1800.00	0.24	24.46	1799.86	-6.83	-4.83	-19.23	0.46	19.82	255.91
1900.00	0.58	40.64	1899.86	-6.22	-4.25	-18.81	0.36	19.29	257.26
2000.00	0.96	44.21	1999.85	-5.14	-3.27	-17.90	0.38	18.19	259.65
2100.00	1.26	39.88	2099.83	-3.57	-1.82	-16.61	0.31	16.71	263.73
2200.00	1.32	38.24	2199.81	-1.68	-0.08	-15.19	0.07	15.19	269.72
2300.00	1.37	42.52	2299.78	0.26	1.71	-13.67	0.11	13.78	277.13
2400.00	1.38	42.64	2399.75	2.18	3.48	-12.05	0.01	12.54	286.10
2500.00	1.25	46.22	2499.73	3.98	5.12	-10.44	0.15	11.63	296.11
2600.00	1.16	49.47	2599.70	5.55	6.53	-8.89	0.11	11.03	306.31
2700.00	1.00	47.65	2699.69	6.94	7.78	-7.47	0.16	10.78	316.14
2800.00	0.97	45.76	2799.67	8.25	8.95	-6.22	0.04	10.90	325.21
2900.00	0.69	49.63	2899.66	9.33	9.93	-5.16	0.29	11.19	332.58
3000.00	0.45	47.71	2999.66	10.06	10.59	-4.41	0.24	11.47	337.41
3100.00	0.62	34.54	3099.65	10.83	11.30	-3.81	0.21	11.92	341.37
3200.00	0.34	47.36	3199.65	11.53	11.95	-3.28	0.30	12.39	344.63
3300.00	0.34	36.22	3299.65	12.01	12.39	-2.89	0.07	12.72	346.87
3400.00	0.33	58.38	3399.64	12.44	12.78	-2.47	0.13	13.01	349.06
3500.00	0.07	0.36	3499.64	12.68	12.99	-2.22	0.30	13.18	350.28
3594.00	0.13	354.34	3593.64	12.84	13.15	-2.23	0.06	13.34	350.36



Scientific Drilling International Survey Report

Company: CHEVRON	Date: 07/22/2007	Time: 21:18:04	Page: 1
Field: Penrose Skelly	Co-ordinate(NE) Reference: Well: Mark Owen #11H, True North		
Site: Lea County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Mark Owen #11H	Section (VS) Reference: Well (0.00N;0.00E,6.07Azi)		
Wellpath: DH - Job #32D0607520	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey: 06/20/07-06/27/07
MWD 3611'-5547' w/projection @ 5612'
Company: Scientific Drilling Internatio
Tool: MWD;MWD

Start Date: 06/20/2007

Engineer: Melendez/Foster/Beccue
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
3594.00	0.13	354.34	3593.64	12.84	13.15	-2.23	0.00	13.34	350.36
3611.00	0.13	354.34	3610.64	12.88	13.19	-2.24	0.00	13.38	350.37
3652.00	12.44	19.70	3651.32	17.23	17.41	-0.75	30.06	17.43	357.54
3684.00	20.71	21.62	3681.96	26.05	25.93	2.50	25.90	26.05	5.52
3715.00	29.18	22.41	3710.05	38.61	38.03	7.41	27.34	38.75	11.03
3747.00	37.76	22.66	3736.71	55.51	54.32	14.18	26.82	56.14	14.63
3778.00	46.09	22.55	3759.76	75.35	73.42	22.13	26.87	76.69	16.77
3810.00	54.72	22.53	3780.13	98.98	96.18	31.57	26.97	101.23	18.17
3842.00	63.64	23.27	3796.51	125.25	121.46	42.26	27.95	128.61	19.18
3873.00	72.00	23.68	3808.21	152.62	147.77	53.69	27.00	157.22	19.97
3902.00	80.23	24.44	3815.16	179.37	173.45	65.16	28.49	185.29	20.59
3933.00	85.28	22.09	3819.07	208.74	201.69	77.30	17.94	216.00	20.97
3964.00	85.22	18.43	3821.64	238.68	230.67	87.99	11.77	246.88	20.88
3996.00	85.25	16.93	3824.29	269.92	261.05	97.68	4.67	278.73	20.51
4027.00	85.01	13.56	3826.93	300.41	290.85	105.80	10.86	309.50	19.99
4059.00	85.35	10.22	3829.62	332.12	322.05	112.37	10.45	341.09	19.23
4090.00	86.91	7.87	3831.71	363.01	352.59	117.23	9.08	371.57	18.39
4122.00	90.24	6.96	3832.50	394.99	384.31	121.36	10.79	403.01	17.53
4154.00	91.65	5.88	3831.98	426.98	416.10	124.94	5.55	434.45	16.71
4186.00	91.45	5.47	3831.11	458.97	447.93	128.10	1.43	465.89	15.96
4217.00	91.55	5.25	3830.30	489.95	478.79	130.99	0.78	496.38	15.30
4248.00	89.87	3.29	3829.92	520.93	509.70	133.30	8.33	526.84	14.66
4280.00	88.35	1.65	3830.41	552.86	541.66	134.68	6.99	558.15	13.96
4312.00	88.38	1.06	3831.33	584.74	573.64	135.44	1.85	589.41	13.28
4343.00	88.25	0.50	3832.24	615.60	604.62	135.86	1.85	619.70	12.66
4375.00	89.06	2.12	3832.99	647.48	636.60	136.59	5.66	651.09	12.11
4406.00	89.13	2.35	3833.48	678.40	667.58	137.80	0.78	681.65	11.66
4438.00	89.13	1.96	3833.96	710.33	699.55	139.00	1.22	713.23	11.24
4469.00	90.17	2.40	3834.15	741.25	730.53	140.18	3.64	743.85	10.86
4501.00	90.44	2.44	3833.98	773.19	762.50	141.53	0.85	775.52	10.52
4532.00	90.17	2.76	3833.82	804.13	793.46	142.94	1.35	806.24	10.21
4564.00	89.93	2.89	3833.79	836.08	825.43	144.51	0.85	837.98	9.93
4596.00	89.76	2.78	3833.88	868.03	857.39	146.10	0.63	869.74	9.67
4628.00	89.43	3.06	3834.10	899.98	889.34	147.73	1.35	901.53	9.43
4659.00	90.30	3.33	3834.18	930.94	920.29	149.46	2.94	932.35	9.22
4691.00	90.30	4.03	3834.01	962.91	952.23	151.51	2.19	964.21	9.04
4723.00	90.71	4.23	3833.73	994.89	984.14	153.81	1.43	996.09	8.88
4754.00	90.77	4.61	3833.33	1025.88	1015.05	156.20	1.24	1027.00	8.75
4786.00	90.88	4.93	3832.87	1057.86	1046.93	158.86	1.06	1058.92	8.63
4817.00	90.07	2.92	3832.61	1088.84	1077.86	160.99	6.99	1089.81	8.49
4849.00	89.70	2.57	3832.67	1120.79	1109.82	162.52	1.59	1121.66	8.33
4880.00	89.60	3.03	3832.86	1151.73	1140.78	164.03	1.52	1152.52	8.18
4912.00	89.63	3.53	3833.08	1183.70	1172.73	165.86	1.57	1184.40	8.05
4943.00	89.02	2.67	3833.44	1214.65	1203.68	167.54	3.40	1215.29	7.92
4975.00	88.89	0.61	3834.03	1246.55	1235.66	168.45	6.45	1247.09	7.76
5006.00	88.92	359.40	3834.62	1277.37	1266.66	168.46	3.90	1277.81	7.58
5038.00	88.49	358.71	3835.34	1309.12	1298.64	167.93	2.54	1309.46	7.37
5069.00	89.16	359.97	3835.98	1339.90	1329.63	167.57	4.60	1340.15	7.18
5101.00	90.10	1.11	3836.18	1371.75	1361.63	167.87	4.62	1371.94	7.03



Scientific
Drilling

Scientific Drilling International

Survey Report

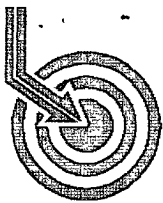
Company: CHEVRON
Field: Penrose Skelly
Site: Lea County, NM
Well: Mark Owen #11H
Wellpath: DH - Job #32D0607520

Date: 07/22/2007 Time: 21:18:04 Page: 2
Co-ordinate(NE) Reference: Well: Mark Owen #11H, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,6.07Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

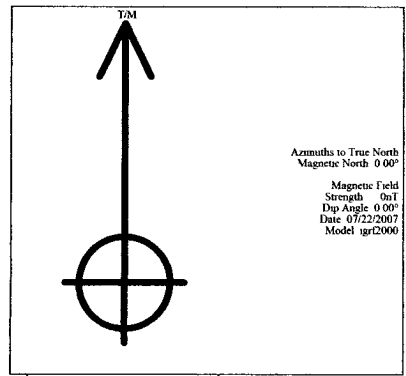
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
5132.00	89.93	0.65	3836.18	1402.62	1392.63	168.35	1.58	1402.77	6.89
5164.00	89.76	359.70	3836.26	1434.45	1424.63	168.45	3.02	1434.55	6.74
5200.00	90.50	0.95	3836.18	1470.27	1460.63	168.65	4.04	1470.33	6.59
5232.00	91.44	3.58	3835.64	1502.19	1492.59	169.92	8.73	1502.23	6.49
5263.00	91.44	3.43	3834.86	1533.15	1523.53	171.81	0.48	1533.18	6.43
5295.00	91.51	3.05	3834.04	1565.10	1555.46	173.62	1.21	1565.12	6.37
5326.00	91.01	3.61	3833.35	1596.06	1586.40	175.42	2.42	1596.07	6.31
5358.00	90.44	3.93	3832.95	1628.03	1618.33	177.52	2.04	1628.04	6.26
5390.00	90.03	2.74	3832.82	1659.99	1650.28	179.39	3.93	1660.00	6.20
5421.00	90.10	2.36	3832.78	1690.93	1681.25	180.76	1.25	1690.94	6.14
5453.00	90.00	3.72	3832.75	1722.89	1713.20	182.46	4.26	1722.89	6.08
5484.00	89.76	4.99	3832.82	1753.87	1744.11	184.82	4.17	1753.87	6.05
5516.00	89.93	5.32	3832.91	1785.87	1775.98	187.69	1.16	1785.87	6.03
5547.00	90.02	4.72	3832.92	1816.86	1806.86	190.40	1.96	1816.87	6.02
5612.00	90.02	4.72	3832.90	1881.85	1871.64	195.75	0.00	1881.85	5.97

↓ ↓
2302' 364'

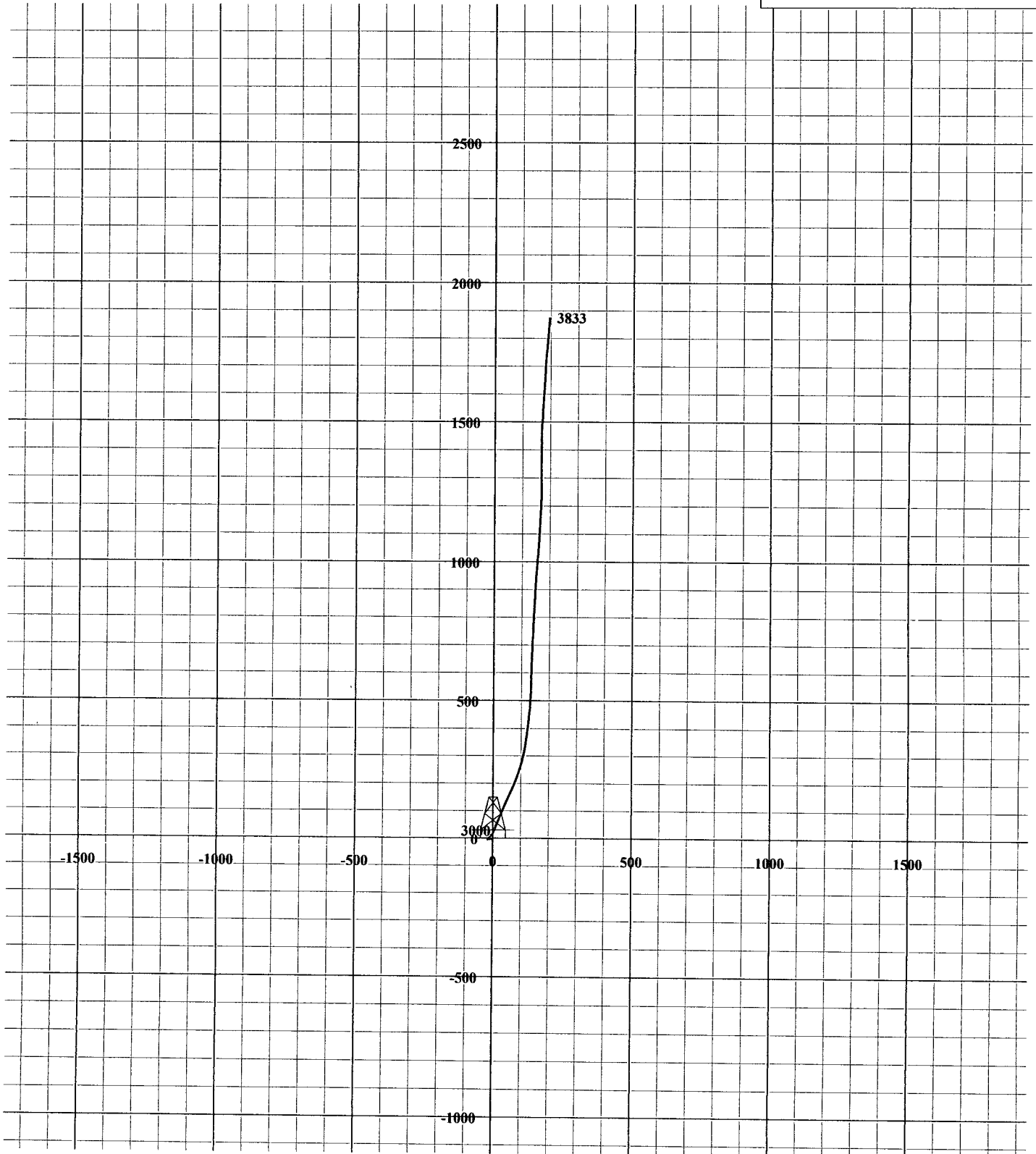


Scientific
Drilling

Field: Penrose Skelly
Site: Lea County, NM
Well: Mark Owen #11H
Wellpath: DH - Job #32D0607520
Survey: 06/20/07-06/27/07



South(-)/North(+) [500ft/in]



West(-)/East(+) [500ft/in]