

Results of Directional Survey

API number:	30-025-41111		
OGRID:		Operator:	APACHE CORP
		Property:	NORTH MONUMENT G/SA UNIT # 1H

surface	ULSTR:	P	18	T	19S	R	37E
				805	FSL	10	FEL

BH Loc	ULSTR:	I	07	T	19S	R	37E
10522	MD	3993.1	TVD	2296	FSL	114	FEL
				7576	FSL		

Top Perf/OH	ULSTR:	I	07	T	19S	R	37E
9950	MD	3992.5	TVD	1730	FSL	32	FEL
				7010	FSL		
Bot Perf/OH	ULSTR:	I	07	T	19S	R	37E
10170	MD	3993.8	TVD	1949	FSL	52	FEL
				7229	FSL		

	MD	N/S	E/W	VD
	9898	6153.19	-19.23	3991.94
TOP PERFS/OH	9950	6205.11	-21.81	3992.49
	9993	6248.04	-23.95	3992.94
	10088	6342.62	-32.73	3992.19
BOT PERFS/OH	10170	6424.02	-42.43	3993.77
	10183	6436.93	-43.97	3994.02

NEXT TO LAST	10469	6718.45	-94.04	3994.08
LAST READING	10522	6770.55	-103.69	3993.07
TD	10522	6770.55	-103.69	3993.07

Surface Location	805	FS	10	FE
Projected BHL	7576	FS	114	FE
Location of				
Top Perfs/OH	7010	FS	32	FE
Bottom Perfs/OH	7229	FS	52	FE

SUMMARY of Subsurface Locations

Surface Location	P-18-19S-37E	805	FS	10	FE	Vert. Depth
Top Perfs/OH	I-07-19S-37E	7010	FS	32	FE	3992.49
Bottom Perfs/OH	I-07-19S-37E	7229	FS	52	FE	3993.77
Projected TD	I-07-19S-37E	7576	FS	114	FE	3993.07

JAN 09 2014

Apache Corporation (873)
303 Veterans Airpark Lane, #3000
Midland, TX 79705

P-18-19S-37E

805' FSL + 10' FEL (SURF)
2301' FSL + 48' FEL (BHL)

North Monument G/SA Unit #001H
Lea County, New Mexico

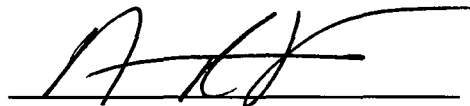
30-025-41111

250	2.50	0.60	1.05	2.63	2.63
500	2.50	0.50	0.88	2.19	4.81
750	2.50	0.50	0.88	2.19	7.00
1003	2.53	0.10	0.18	0.44	7.44
1250	2.47	0.40	0.70	1.73	9.17
1353	1.03	0.40	0.70	0.72	9.89
1523	1.70	0.50	0.88	1.49	11.38
1651	1.28	0.70	1.23	1.57	12.95
2162	5.11	0.80	1.40	7.15	20.10
2417	2.55	1.10	1.93	4.91	25.01
2545	1.28	1.10	1.93	2.46	27.48
2673	1.28	1.00	1.75	2.24	29.72
2801	1.28	1.00	1.75	2.24	31.96
2972	1.71	0.80	1.40	2.39	34.35
3271	2.99	1.00	1.75	5.23	39.58
3656	3.85	0.30	0.53	2.02	41.60
3826	1.70	1.00	1.75	2.98	44.58
4067	2.41	1.50	2.63	6.33	50.90

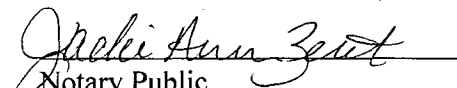
HOBBS OCD

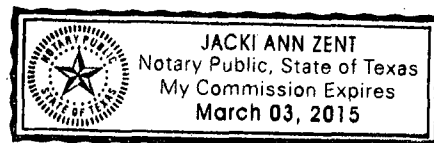
DEC 30 2013

RECEIVED


Archie Brown - General Manager

The attached instrument was acknowledged before me on the 4th day of September, 2013 by
Archie Brown - General Manager, CapStar Drilling, Inc.


Notary Public





Apache Corporation (873)

Lea County, NM (NAD83 NME)

NMGSAU 30-025-41111

#1H

WB1/Job#1310433

805' FSL + 10' FEL (SURF)
2301' FSL + 48' FEL (BHL)

HOBBS OCD

DEC 30 2013

Survey: Phoenix MWD Survey

RECEIVED

Phoenix Final Survey Report

20 August, 2013



PHOENIX
TECHNOLOGY SERVICES



Phoenix Technology Services

Phoenix Final Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB @ 3691.00usft (Capstar 120)
Site:	NMGSAU	MD Reference:	KB @ 3691.00usft (Capstar 120)
Well:	#1H	North Reference:	Grid
Wellbore:	WB1/Job#1310433	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 120)	Database:	GCR DB

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	NMGSAU			
Site Position:		Northing:	582,973.08 usft	Latitude: 32° 35' 53.14439 N
From:	Map	Easting:	870,597.88 usft	Longitude: 103° 15' 51.08348 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.58 °

Well	#1H			
Well Position	+N/-S	0.00 usft	Northing:	603,726.80 usft
	+E/-W	0.00 usft	Easting:	864,847.60 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level: 3,680.00 usft

Wellbore	WB1/Job#1310433				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	07/18/13	7.22	60.58	48,696

Design	Surveys (Capstar 120)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.44	

Survey Program	Date 08/20/13				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	3,400.00	SDI Gyro (WB1/Job#1310433)	Keeper	Keeper Standard Rate Gyro	
3,494.00	10,522.00	Phoenix MWD Survey (WB1/Job#1310433)	MWD	MWD - Standard	

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
	3,400.00	0.65	333.55	3,399.74	29.85	0.20	29.84	0.00
Tie-on to SDI Gyro	3,494.00	3.00	347.40	3,493.69	32.72	-0.57	32.73	2.53
First Phoenix MWD Survey	3,537.00	6.30	2.70	3,536.54	36.18	-0.71	36.18	8.13
	3,580.00	10.40	4.10	3,579.07	42.41	-0.32	42.41	9.55
	3,622.00	15.30	1.90	3,620.01	51.74	0.14	51.73	11.72
	3,665.00	20.30	359.80	3,660.94	64.87	0.30	64.87	11.72
	3,707.00	24.20	359.40	3,699.80	80.77	0.18	80.77	9.29
	3,750.00	29.00	0.20	3,738.24	100.02	0.13	100.01	11.19
	3,792.00	33.80	0.80	3,774.08	121.90	0.33	121.89	11.45



Phoenix Technology Services

Phoenix Final Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB @ 3691.00usft (Capstar 120)
Site:	NMGSAU	MD Reference:	KB @ 3691.00usft (Capstar 120)
Well:	#1H	North Reference:	Grid
Wellbore:	WB1/Job#1310433	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 120)	Database:	GCR DB

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	
3,835.00	38.90	2.10	3,808.70	147.36	0.99	147.35	11.99	
3,877.00	43.80	2.90	3,840.22	175.08	2.21	175.05	11.73	
3,919.00	49.30	2.70	3,869.10	205.52	3.69	205.47	13.10	
3,962.00	55.30	2.00	3,895.38	239.50	5.08	239.44	14.01	
4,005.00	59.70	1.40	3,918.48	275.74	6.15	275.66	10.30	
4,047.00	64.80	0.40	3,938.03	312.89	6.73	312.81	12.32	
4,090.00	70.50	359.30	3,954.37	352.64	6.62	352.56	13.47	
4,133.00	74.70	358.70	3,967.23	393.66	5.90	393.58	9.86	
4,176.00	78.30	359.50	3,977.26	435.46	5.24	435.39	8.57	
4,209.00	81.80	359.60	3,982.97	467.96	4.99	467.88	10.61	
4,277.00	91.30	359.40	3,987.05	535.75	4.40	535.68	13.97	
4,372.00	91.80	357.50	3,984.48	630.68	1.83	630.63	2.07	
4,467.00	87.30	356.40	3,985.23	725.51	-3.23	725.51	4.88	
4,562.00	90.60	359.50	3,986.97	820.41	-6.62	820.44	4.77	
4,657.00	85.40	357.80	3,990.29	915.29	-8.85	915.34	5.76	
4,752.00	90.80	359.30	3,993.43	1,010.17	-11.25	1,010.23	5.90	
4,847.00	88.40	0.40	3,994.10	1,105.16	-11.50	1,105.22	2.78	
4,942.00	89.40	358.80	3,995.92	1,200.14	-12.17	1,200.20	1.99	
5,037.00	91.40	358.10	3,995.26	1,295.10	-14.74	1,295.18	2.23	
5,132.00	89.00	355.60	3,994.93	1,389.94	-19.96	1,390.07	3.65	
5,227.00	86.60	358.60	3,998.57	1,484.73	-24.76	1,484.90	4.04	
5,322.00	89.40	359.10	4,001.89	1,579.64	-26.66	1,579.83	2.99	
5,417.00	88.70	0.50	4,003.46	1,674.62	-27.00	1,674.81	1.65	
5,512.00	90.20	0.80	4,004.38	1,769.61	-25.92	1,769.78	1.61	
5,608.00	91.70	0.20	4,002.78	1,865.59	-25.08	1,865.75	1.68	
5,703.00	91.50	0.80	4,000.13	1,960.55	-24.25	1,960.69	0.67	
5,798.00	91.20	0.60	3,997.89	2,055.52	-23.09	2,055.64	0.38	
5,893.01	92.10	359.00	3,995.16	2,150.48	-23.42	2,150.61	1.93	
5,988.01	90.90	358.80	3,992.67	2,245.43	-25.25	2,245.57	1.28	
6,083.01	89.80	358.80	3,992.09	2,340.41	-27.24	2,340.56	1.16	
6,170.01	89.70	358.10	3,992.47	2,427.37	-29.59	2,427.55	0.81	
6,265.01	90.80	359.50	3,992.06	2,522.35	-31.58	2,522.54	1.87	
6,360.01	91.00	0.00	3,990.56	2,617.33	-31.99	2,617.52	0.57	
6,455.01	90.80	359.50	3,989.07	2,712.32	-32.41	2,712.51	0.57	
6,550.01	90.80	359.40	3,987.74	2,807.31	-33.32	2,807.50	0.11	
6,645.01	91.50	359.40	3,985.84	2,902.28	-34.31	2,902.48	0.74	
6,740.01	91.20	359.90	3,983.60	2,997.25	-34.89	2,997.45	0.61	
6,835.00	91.00	0.10	3,981.78	3,092.23	-34.89	3,092.42	0.30	
6,930.00	90.20	359.40	3,980.78	3,187.22	-35.31	3,187.41	1.12	
7,025.00	90.20	359.10	3,980.45	3,282.21	-36.55	3,282.41	0.32	
7,121.00	89.40	358.40	3,980.78	3,378.19	-38.65	3,378.40	1.11	
7,216.00	89.00	358.80	3,982.11	3,473.15	-40.97	3,473.38	0.60	
7,311.00	90.50	359.40	3,982.53	3,568.13	-42.46	3,568.38	1.70	
7,406.00	90.90	358.90	3,981.37	3,663.11	-43.87	3,663.37	0.67	



Phoenix Technology Services

Phoenix Final Survey Report



Company: Apache Corporation
Project: Lea County, NM (NAD83 NME)
Site: NMGSAU
Well: #1H
Wellbore: WB1/Job#1310433
Design: Surveys (Capstar 120)

Local Co-ordinate Reference: Well #1H
TVD Reference: KB @ 3691.00usft (Capstar 120)
MD Reference: KB @ 3691.00usft (Capstar 120)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
7,525.00	92.30	358.00	3,978.04	3,782.02	-47.09	3,782.30	1.40
7,620.00	89.90	356.00	3,976.22	3,876.86	-52.06	3,877.18	3.29
7,715.00	88.30	355.60	3,977.71	3,971.59	-59.01	3,971.98	1.74
7,808.00	89.90	357.30	3,979.17	4,064.39	-64.77	4,064.83	2.51
7,904.00	89.80	359.30	3,979.42	4,160.35	-67.62	4,160.81	2.09
7,999.00	90.00	0.60	3,979.59	4,255.34	-67.70	4,255.80	1.38
8,093.00	89.40	2.10	3,980.08	4,349.31	-65.49	4,349.75	1.72
8,189.00	89.10	2.50	3,981.34	4,445.23	-61.63	4,445.62	0.52
8,284.00	87.30	1.00	3,984.32	4,540.13	-58.73	4,540.49	2.47
8,379.00	87.80	0.10	3,988.38	4,635.04	-57.82	4,635.38	1.08
8,474.00	89.30	359.40	3,990.79	4,730.00	-58.24	4,730.35	1.74
8,569.00	89.60	359.70	3,991.70	4,825.00	-58.98	4,825.34	0.45
8,664.00	90.90	2.60	3,991.28	4,919.96	-57.08	4,920.29	3.35
8,759.00	89.70	1.30	3,990.79	5,014.90	-53.84	5,015.19	1.86
8,853.00	89.80	1.70	3,991.20	5,108.87	-51.38	5,109.13	0.44
8,948.00	90.20	2.30	3,991.20	5,203.81	-48.07	5,204.03	0.76
9,043.00	90.10	1.50	3,990.95	5,298.76	-44.92	5,298.94	0.85
9,138.00	89.60	1.40	3,991.20	5,393.73	-42.52	5,393.88	0.54
9,233.00	90.60	2.00	3,991.03	5,488.68	-39.70	5,488.81	1.23
9,328.00	91.20	3.70	3,989.54	5,583.55	-34.97	5,583.62	1.90
9,423.00	90.30	1.90	3,988.29	5,678.42	-30.33	5,678.45	2.12
9,518.00	90.20	0.80	3,987.88	5,773.39	-28.10	5,773.39	1.16
9,613.00	89.10	0.00	3,988.46	5,868.39	-27.43	5,868.38	1.43
9,708.00	90.00	2.50	3,989.21	5,963.35	-25.36	5,963.32	2.80
9,803.00	89.40	2.80	3,989.70	6,058.25	-20.97	6,058.17	0.71
9,898.00	87.90	359.30	3,991.94	6,153.19	-19.23	6,153.09	4.01
9,993.00	90.90	355.00	3,992.94	6,248.04	-23.95	6,247.97	5.52
10,088.00	90.00	354.40	3,992.19	6,342.62	-32.73	6,342.64	1.14
10,183.00	87.80	352.00	3,994.02	6,436.93	-43.97	6,437.05	3.43
10,278.00	89.70	349.10	3,996.09	6,530.60	-59.56	6,530.87	3.65
10,373.00	90.80	349.90	3,995.67	6,624.01	-76.87	6,624.44	1.43
10,469.00	91.10	349.50	3,994.08	6,718.45	-94.04	6,719.04	0.52
Last Phoenix MWD Survey							
10,522.00	91.10	349.50	3,993.07	6,770.55	-103.69	6,771.24	0.00
Projection to TD							



Phoenix Technology Services

Phoenix Final Survey Report



Company: Apache Corporation
Project: Lea County, NM (NAD83 NME)
Site: NMGSAU
Well: #1H
Wellbore: WB1/Job#1310433
Design: Surveys (Capstar 120)

Local Co-ordinate Reference: Well #1H
TVD Reference: KB @ 3691.00usft (Capstar 120)
MD Reference: KB @ 3691.00usft (Capstar 120)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,400.00	3,399.74	29.85	0.20	Tie-on to SDI Gyro
3,494.00	3,493.69	32.72	-0.57	First Pheonix MWD Survey
10,469.00	3,994.08	6,718.45	-94.04	Last Pheonix MWD Survey
10,522.00	3,993.07	6,770.55	-103.69	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

APACHE CORP (873)

Eunice

Lea County, NM

North Monument G/SA Unit #1H 30-025-41111

VH - Job #320713-KW-760

P-18-19S-37E 805' FSL + 10' FEL (SURF)
2301' FSL + 48' FEL (BHL)

Survey: Gyro

SDI Survey Report

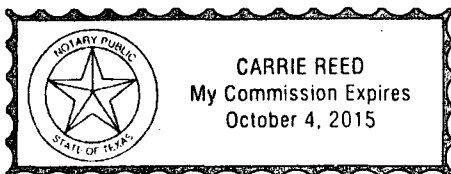
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 1st of August, 2013.

[Signature]

Notary Signature
County of Midland
State of Texas



SDI
SDI Survey Report

Company:	APACHE CORP	Local Co-ordinate Reference:	Well North Monument G/SA Unit #1H
Project:	Eunice	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	North Monument G/SA Unit #1H	North Reference:	Grid
Wellbore:	VH - Job #320713-KW-760	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320713-KW-760	Database:	EDM-Regulatory

Project		Eunice	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Lea County, NM			
Site Position:		Northing:	550,762.04 usft	Latitude:	32° 30' 31.140 N
From:	Lat/Long	Easting:	862,794.70 usft	Longitude:	103° 9' 23.400 W
Position Uncertainty:	0.0 usft	Slot Radius:	0"	Grid Convergence:	0.63 °

Well	North Monument G/SA Unit #1H, Directional					
Well Position	+N/-S	0.0 usft	Northing:	603,706.68 usft	Latitude:	32° 39' 19.040 N
	+E/-W	0.0 usft	Easting:	823,517.34 usft	Longitude:	103° 16' 55.890 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore	VH - Job #320713-KW-760				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/25/2013	7.22	60.58	48,721

Design		VH - Job #320713-KW-760		
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	0.01

Survey Program		Date 7/30/2013		
From	To			
(usft)	(usft)	Survey (Wellbore)	Tool Name	Description
100.0	4,033.0	Gyro (VH - Job #320713-KW-760)	Keeper	Keeper Gyro

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0
100.0	0.72	4.10	100.0	0.6	0.0	4.10	0.6
200.0	0.78	5.29	200.0	1.9	0.2	4.52	1.9
300.0	0.46	57.24	300.0	2.8	0.6	11.07	2.9
400.0	0.69	22.73	400.0	3.6	1.1	17.33	3.8
500.0	0.58	26.43	500.0	4.6	1.6	18.94	4.9
600.0	0.57	35.42	600.0	5.5	2.1	20.97	5.9
700.0	0.45	36.78	700.0	6.2	2.6	22.94	6.7
800.0	0.23	41.32	800.0	6.7	3.0	24.18	7.3
900.0	0.43	39.91	900.0	7.1	3.4	25.35	7.8
1,000.0	0.28	88.57	1,000.0	7.4	3.8	27.50	8.3
1,100.0	0.18	97.51	1,100.0	7.4	4.2	29.94	8.5

SDI
SDI Survey Report

Company:	APACHE CORP	Local Co-ordinate Reference:	Well North Monument G/SA Unit #1H
Project:	Eunice	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	North Monument G/SA Unit #1H	North Reference:	Grid
Wellbore:	VH - Job #320713-KW-760	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320713-KW-760	Database:	EDM-Regulatory

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)	
1,200.0	0.20	283.74	1,200.0	7.4	4.2	29.79	8.5	
1,300.0	0.15	226.78	1,300.0	7.3	4.0	28.37	8.3	
1,400.0	0.37	270.44	1,400.0	7.3	3.5	26.06	8.1	
1,500.0	0.40	276.53	1,500.0	7.3	2.9	21.52	7.8	
1,600.0	0.46	277.33	1,600.0	7.4	2.1	16.10	7.7	
1,700.0	0.40	273.27	1,699.9	7.5	1.4	10.52	7.6	
1,800.0	0.41	281.29	1,799.9	7.5	0.7	5.20	7.6	
1,900.0	0.44	276.84	1,899.9	7.7	0.0	359.66	7.7	
2,000.0	0.41	308.50	1,999.9	7.9	-0.7	354.91	8.0	
2,100.0	0.91	24.25	2,099.9	8.9	-0.7	355.74	8.9	
2,200.0	1.07	25.61	2,199.9	10.4	0.1	0.38	10.4	
2,300.0	1.08	18.97	2,299.9	12.2	0.8	3.66	12.2	
2,400.0	1.25	13.36	2,399.9	14.1	1.3	5.41	14.2	
2,500.0	1.20	12.15	2,499.9	16.2	1.8	6.37	16.3	
2,600.0	1.15	8.87	2,599.8	18.2	2.2	6.83	18.4	
2,700.0	1.03	8.34	2,699.8	20.1	2.5	7.00	20.3	
2,800.0	1.11	11.12	2,799.8	22.0	2.8	7.24	22.1	
2,900.0	0.82	5.17	2,899.8	23.6	3.0	7.33	23.8	
3,000.0	0.74	333.99	2,999.8	24.9	2.8	6.46	25.1	
3,100.0	0.99	338.73	3,099.8	26.3	2.2	4.83	26.4	
3,200.0	0.71	326.88	3,199.8	27.6	1.6	3.26	27.7	
3,300.0	0.82	327.07	3,299.7	28.7	0.8	1.68	28.7	
3,400.0	0.65	333.55	3,399.7	29.8	0.2	0.39	29.8	
3,500.0	0.70	335.85	3,499.7	30.9	-0.3	359.44	30.9	
3,600.0	0.44	316.76	3,599.7	31.7	-0.8	358.53	31.8	
3,700.0	0.54	274.79	3,699.7	32.1	-1.5	357.24	32.1	
3,800.0	0.65	269.81	3,799.7	32.1	-2.6	355.40	32.2	
3,900.0	0.92	265.48	3,899.7	32.0	-4.0	352.97	32.3	
4,000.0	1.21	254.10	3,999.7	31.7	-5.8	349.69	32.2	
4,033.0	1.40	238.03	4,032.7	31.4	-6.4	348.40	32.0	

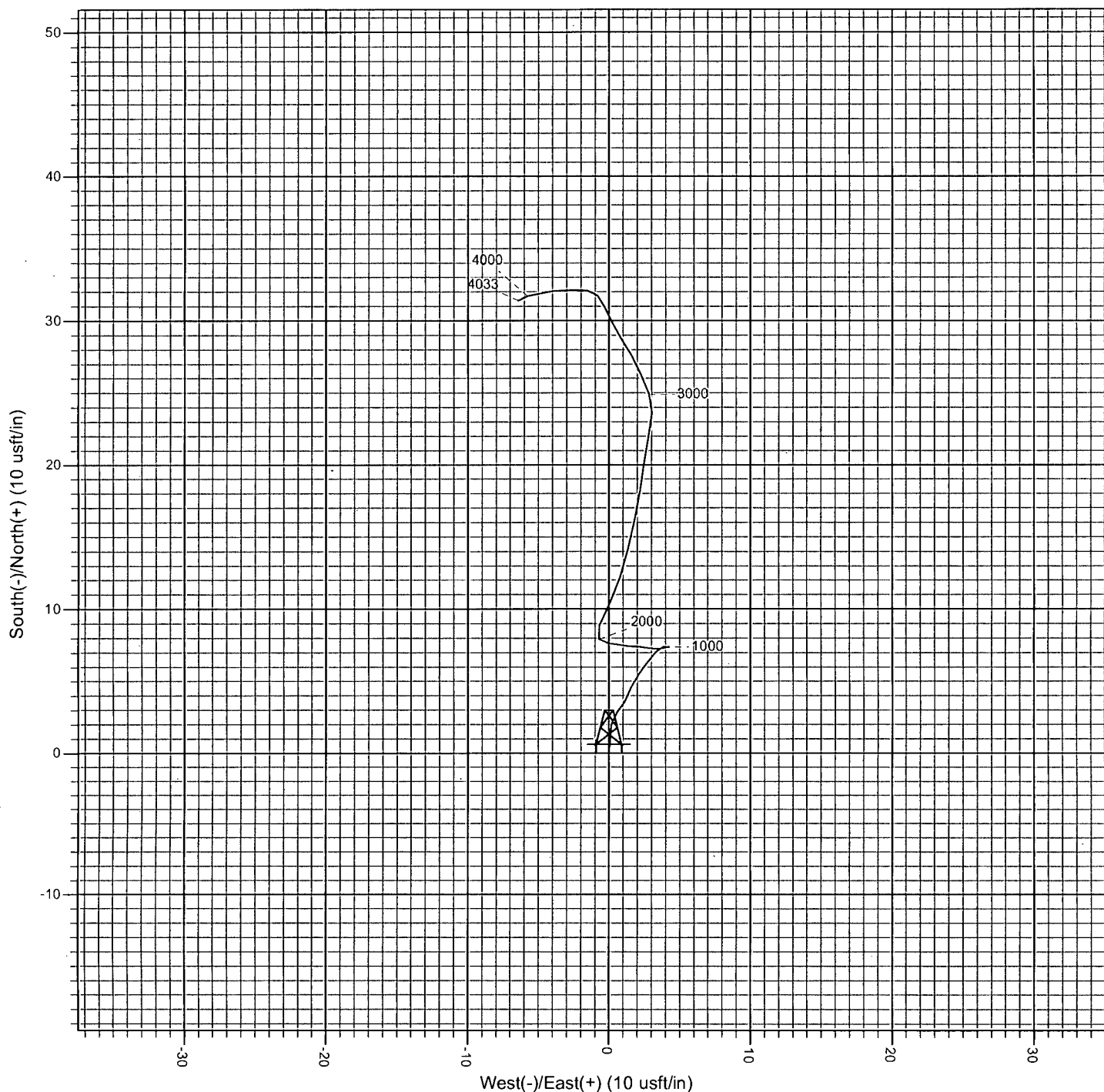


Scientific Drilling

Project: Eunice
Lea County, NM
Well: North Monument G/SA Unit #1H
Wellbore: VH - Job #320713-KW-760
Design: VH - Job #320713-KW-760

WELL DETAILS: North Monument G/SA Unit #1H
WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	603706.68	823517.34	32° 39' 19.040 N	103° 16' 55.890 W	



PROJECT DETAILS: Eunice	SITE DETAILS: Lea County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 30' 31.140 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 103° 9' 23.400 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.0
Zone: New Mexico East 3001	Convergence: 0.63
System Datum: Mean Sea Level	Local North: Grid