Results of Directional Survey

API number:	30-025-40611				
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP		
		Property:	IRONHOUSE 20 STATE		# 1H

surface	ULSTR:	O	20	T	18S	R	35E
				200	FSL	1980	FEL
BH Loc	ULSTR:	B	20	T	18S	R	35E
13993 MD		9279.2 TVD		329	FNL	2030	FEL
				4951	FSL		
Top Perf/OH	ULSTR:	O	20	T	18S	R	35E
9950 MD		9617.4 TVD		928	FSL	1851	FEL
Bot Perf/OH	ULSTR:	B	20	T	18S	R	35E
13920 MD		9286.7 TVD		401	FNL	2025	FEL
				4879	FSL		

	MD	N/S	E/W	VD
	9919	696.64	130.60	9617.52
TOP PERFS/OH	**9950**	727.57	128.82	9617.39
	9951	728.57	128.76	9617.39
	13862	4620.96	-41.85	9292.71
BOT PERFS/OH	**13920**	4678.54	-45.43	9286.71
	13940	4698.39	-46.66	9284.64

NEXT TO LAST	13940	4698.39	-46.66	9284.64
LAST READING	13993	4751.00	-50.16	9279.24
TD	**13993**	4751.00	-50.16	9279.24

Surface Location	200	FS	1980	FE
Projected BHL	4951	FS	2030	FE
Location of				
Top Perfs/OH	928	FS	1851	FE
Bottom Perfs/OH	4879	FS	2025	FE

SUMMARY of Subsurface Locations

Surface Location	O-20-18S-35E	200	FS	1980	FE	Vert. Depth
Top Perfs/OH	O-20-18S-35E	928	FS	1851	FE	9617.39
Bottom Perfs/OH	B-20-18S-35E	4879	FS	2025	FE	9286.71
Projected TD	B-20-18S-35E	4951	FS	2030	FE	9279.24

DEVON ENERGY

Wildcat (Lea County, NM)
Lea County, NM
Ironhouse 20 State #1H
VH - Job #320113-KW-116

Survey: Gyro

SDI Standard Survey Report

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

Notarized this date 18th of February, 2013.

Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2015

Scientific Drilling

Scientific Drilling International, Inc.

SDI Standard Survey Report

Scientific Drilling

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well Ironhouse 20 State #1H
Project:	Wildcat (Lea County, NM)	**TVD Reference:**	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	**MD Reference:**	WELL @ 0.00usft (Original Well Elev)
Well:	Ironhouse 20 State #1H	**North Reference:**	Grid
Wellbore:	VH - Job #320113-KW-116	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #320113-KW-116	**Database:**	EDM-Regulatory

Project Wildcat (Lea County, NM)

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:**	419,798.73 usft	**Latitude:**	32° 9' 9.565 N
From:	Lat/Long	**Easting:**	689,831.11 usft	**Longitude:**	103° 43' 11.824 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	0"	**Grid Convergence:**	0.33 °

Well Ironhouse 20 State #1H, Directional (Leam)

Well Position	**+N/-S**	0.00 usft	**Northing:**	629,076.46 usft	**Latitude:**	32° 43' 35.440 N
	+E/-W	0.00 usft	**Easting:**	762,947.86 usft	**Longitude:**	103° 28' 41.890 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	0.00 usft

Wellbore VH - Job #320113-KW-116

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/30/13	7.38	60.63	48,792

Design VH - Job #320113-KW-116

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	354.00

Survey Program **Date** 03/10/13

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	9,125.00	Gyro (VH - Job #320113-KW-116)	Keeper	Keeper Gyro

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.61	239.43	100.00	-0.27	-0.46	239.43	0.53
200.00	0.40	227.68	199.99	-0.78	-1.17	236.54	1.41
300.00	0.26	213.64	299.99	-1.20	-1.56	232.40	1.97
400.00	0.31	196.01	399.99	-1.65	-1.76	226.84	2.41
500.00	0.30	206.20	499.99	-2.14	-1.95	222.27	2.90
600.00	0.25	209.62	599.99	-2.57	-2.17	220.22	3.36
700.00	0.29	198.77	699.99	-3.00	-2.36	218.23	3.82
800.00	0.28	177.51	799.99	-3.48	-2.43	214.94	4.25
900.00	0.37	156.54	899.98	-4.02	-2.29	209.69	4.63
1,000.00	0.50	161.08	999.98	-4.73	-2.02	203.16	5.15
1,100.00	0.54	146.17	1,099.98	-5.54	-1.62	196.31	5.77

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well Ironhouse 20 State #1H
Project:	Wildcat (Lea County, NM)	**TVD Reference:**	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	**MD Reference:**	WELL @ 0.00usft (Original Well Elev)
Well:	Ironhouse 20 State #1H	**North Reference:**	Grid
Wellbore:	VH - Job #320113-KW-116	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #320113-KW-116	**Database:**	EDM-Regulatory

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.00	0.90	137.18	1,199.97	-6.50	-0.82	187.22	6.55
1,300.00	1.12	132.92	1,299.95	-7.74	0.43	176.85	7.76
1,400.00	1.26	129.62	1,399.93	-9.11	1.99	167.69	9.33
1,500.00	1.34	128.38	1,499.91	-10.54	3.75	160.40	11.19
1,600.00	1.27	127.61	1,599.88	-11.94	5.55	155.08	13.17
1,700.00	1.36	123.28	1,699.85	-13.27	7.42	150.79	15.20
1,800.00	1.29	118.71	1,799.83	-14.46	9.40	146.98	17.24
1,900.00	1.62	114.72	1,899.80	-15.59	11.67	143.19	19.47
2,000.00	1.65	114.64	1,999.75	-16.78	14.26	139.65	22.02
2,100.00	1.37	111.62	2,099.72	-17.82	16.68	136.90	24.41
2,200.00	1.32	105.07	2,199.69	-18.56	18.90	134.48	26.49
2,300.00	1.24	103.78	2,299.67	-19.12	21.07	132.23	28.45
2,400.00	1.28	97.77	2,399.64	-19.53	23.22	130.06	30.34
2,500.00	1.27	97.33	2,499.62	-19.82	25.43	127.94	32.24
2,600.00	1.58	84.94	2,599.59	-19.84	27.90	125.42	34.24
2,700.00	2.15	80.04	2,699.53	-19.40	31.12	121.93	36.67
2,800.00	2.42	76.08	2,799.46	-18.56	35.02	117.93	39.64
2,900.00	2.45	74.34	2,899.36	-17.48	39.13	114.07	42.85
3,000.00	2.53	75.17	2,999.27	-16.34	43.32	110.66	46.30
3,100.00	2.56	72.38	3,099.17	-15.10	47.58	107.60	49.92
3,200.00	2.32	66.06	3,199.08	-13.60	51.56	104.77	53.32
3,300.00	2.15	64.01	3,299.01	-11.96	55.10	102.24	56.38
3,400.00	1.90	63.55	3,398.94	-10.39	58.27	100.12	59.19
3,500.00	1.77	62.67	3,498.89	-8.95	61.12	98.33	61.77
3,600.00	1.39	60.18	3,598.85	-7.64	63.55	96.85	64.00
3,700.00	1.13	46.36	3,698.83	-6.35	65.31	95.55	65.62
3,800.00	1.28	19.13	3,798.81	-4.62	66.39	93.98	66.55
3,900.00	1.29	9.52	3,898.78	-2.45	66.94	92.10	66.99
4,000.00	1.38	4.54	3,998.76	-0.14	67.23	90.12	67.23
4,100.00	1.50	356.67	4,098.72	2.37	67.24	87.98	67.29
4,200.00	1.49	359.83	4,198.69	4.97	67.16	85.76	67.35
4,300.00	1.75	3.61	4,298.65	7.80	67.26	83.39	67.71
4,400.00	1.68	3.04	4,398.61	10.79	67.43	80.91	68.29
4,500.00	1.64	6.55	4,498.56	13.67	67.67	78.58	69.04
4,600.00	1.66	1.57	4,598.52	16.54	67.87	76.30	69.86
4,700.00	1.50	359.81	4,698.48	19.30	67.91	74.14	70.60
4,800.00	1.65	2.81	4,798.45	22.04	67.98	72.03	71.46
4,900.00	1.76	1.32	4,898.40	25.02	68.08	69.82	72.53
5,000.00	1.71	358.51	4,998.36	28.04	68.08	67.61	73.63
5,100.00	1.83	356.79	5,098.31	31.13	67.95	65.39	74.74
5,200.00	1.71	357.20	5,198.26	34.21	67.79	63.22	75.93
5,300.00	1.77	356.55	5,298.21	37.25	67.62	61.15	77.20
5,400.00	1.54	355.09	5,398.17	40.13	67.41	59.24	78.45
5,500.00	1.23	353.99	5,498.14	42.53	67.19	57.66	79.52

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well Ironhouse 20 State #1H
Project:	Wildcat (Lea County, NM)	**TVD Reference:**	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	**MD Reference:**	WELL @ 0.00usft (Original Well Elev)
Well:	Ironhouse 20 State #1H	**North Reference:**	Grid
Wellbore:	VH - Job #320113-KW-116	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #320113-KW-116	**Database:**	EDM-Regulatory

Survey

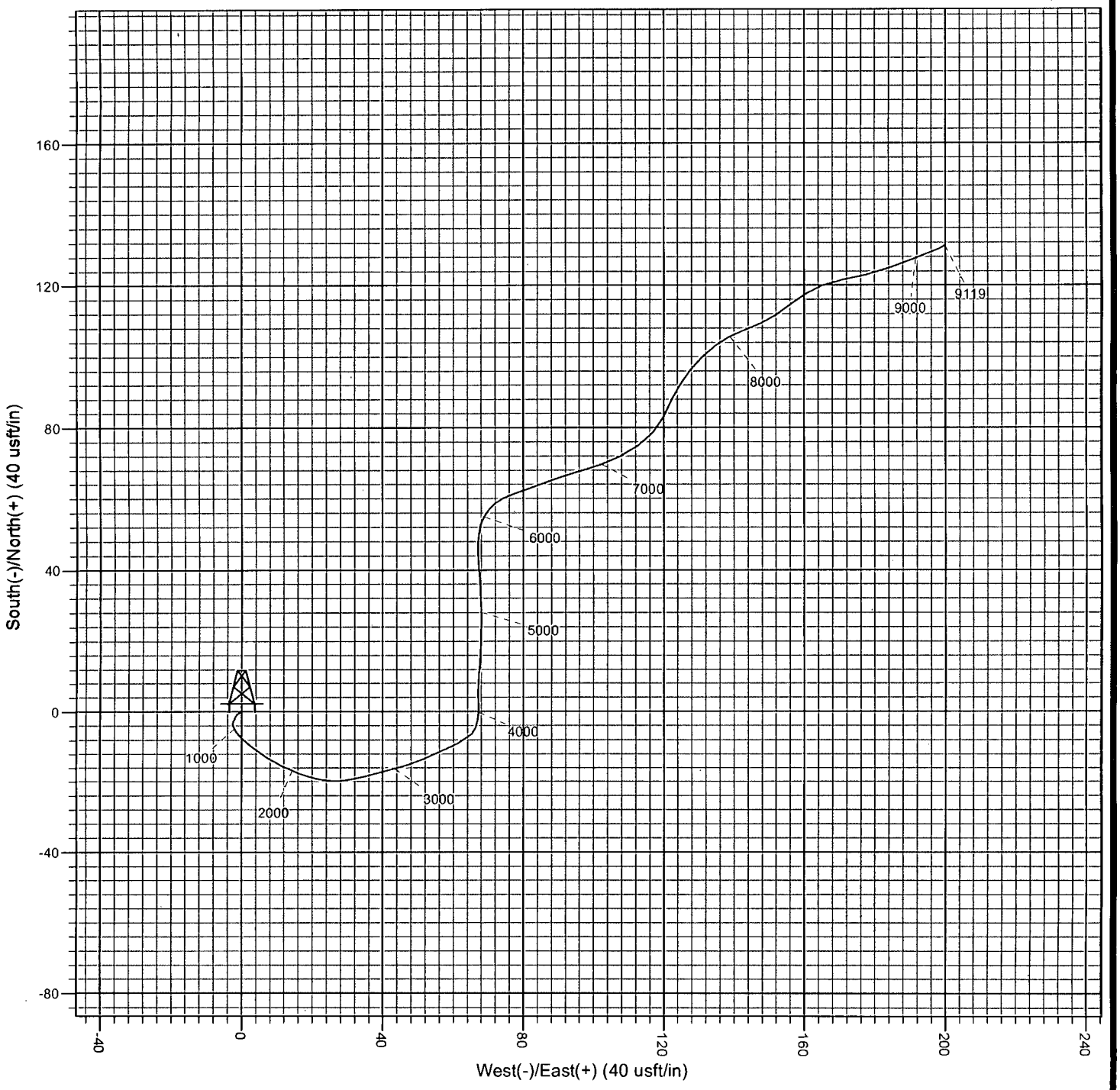
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.00	1.32	0.01	5,598.12	44.75	67.08	56.29	80.63
5,700.00	1.54	1.80	5,698.09	47.25	67.12	54.86	82.08
5,800.00	1.55	6.87	5,798.05	49.93	67.32	53.44	83.82
5,900.00	1.49	17.01	5,898.02	52.52	67.86	52.26	85.81
6,000.00	1.40	29.62	5,997.98	54.82	68.85	51.47	88.01
6,100.00	1.34	38.14	6,097.96	56.81	70.17	51.01	90.28
6,200.00	1.55	49.97	6,197.92	58.60	71.93	50.83	92.78
6,300.00	1.87	65.37	6,297.88	60.14	74.45	51.07	95.71
6,400.00	1.79	71.17	6,397.83	61.33	77.41	51.61	98.76
6,500.00	1.65	72.81	6,497.78	62.26	80.27	52.20	101.58
6,600.00	1.77	65.72	6,597.74	63.32	83.05	52.68	104.43
6,700.00	2.58	72.07	6,697.67	64.65	86.60	53.26	108.07
6,800.00	2.96	73.49	6,797.55	66.07	91.21	54.08	112.63
6,900.00	3.26	72.07	6,897.40	67.68	96.40	54.93	117.78
7,000.00	3.54	72.49	6,997.23	69.49	102.04	55.75	123.46
7,100.00	3.36	62.98	7,097.05	71.75	107.60	56.30	129.33
7,200.00	3.53	54.58	7,196.87	74.86	112.72	56.41	135.31
7,300.00	3.08	41.67	7,296.70	78.65	117.01	56.09	140.99
7,400.00	3.13	27.34	7,396.56	83.09	120.05	55.31	146.00
7,500.00	3.14	24.35	7,496.41	88.01	122.44	54.29	150.78
7,600.00	2.63	34.73	7,596.28	92.39	124.87	53.50	155.33
7,700.00	2.77	37.36	7,696.17	96.19	127.65	53.00	159.83
7,800.00	2.93	48.17	7,796.05	99.82	131.02	52.70	164.71
7,900.00	2.73	52.15	7,895.92	102.98	134.80	52.62	169.64
8,000.00	2.59	61.66	7,995.82	105.52	138.67	52.73	174.25
8,100.00	2.94	71.66	8,095.70	107.40	143.09	53.11	178.91
8,200.00	2.96	64.40	8,195.57	109.32	147.86	53.52	183.88
8,300.00	2.63	53.73	8,295.45	111.79	152.04	53.67	188.71
8,400.00	2.79	55.72	8,395.34	114.52	155.90	53.70	193.44
8,500.00	3.07	56.50	8,495.21	117.37	160.14	53.76	198.55
8,600.00	3.28	69.32	8,595.05	119.86	165.05	54.01	203.98
8,700.00	3.85	78.74	8,694.86	121.52	171.02	54.60	209.80
8,800.00	3.88	77.01	8,794.63	122.94	177.61	55.31	216.01
8,900.00	4.01	70.63	8,894.40	124.86	184.20	55.87	222.53
9,000.00	4.42	70.18	8,994.13	127.33	191.13	56.33	229.66
9,100.00	4.32	64.50	9,093.84	130.25	198.15	56.68	237.13
9,125.00	4.59	65.43	9,118.76	131.08	199.91	56.75	239.05

Scientific Drilling

Project: Wildcat (Lea County, NM)
Lea County, NM
Well: Ironhouse 20 State #1H
Wellbore: VH - Job #320113-KW-116
Design: VH - Job #320113-KW-116

WELL DETAILS: Ironhouse 20 State #1H
WELL @ 0.00usft (Original Well Elev)
Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	629076.46	762947.86	32° 43' 35.440 N	103° 28' 41.890 W	



PROJECT DETAILS: Wildcat (Lea County, NM)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Lea County, NM
Site Centre Latitude: 32° 9' 9.565 N
Longitude: 103° 43' 11.824 W
Positional Uncertainity: 0.00
Convergence: 0.33
Local North: Grid

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Project Lea County, NM (NAD-83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Ironhouse "20" State

Site Position:		**Northing:**	629,096.41 usft	**Latitude:**	32° 43' 35.413 N
From:	Map	**Easting:**	804,539.12 usft	**Longitude:**	103° 28' 38.853 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.46 °

Well 1H

Well Position	**+N/-S**	0.00 usft	**Northing:**	629,096.41 usft	**Latitude:**	32° 43' 35.413 N
	+E/-W	0.00 usft	**Easting:**	804,539.12 usft	**Longitude:**	103° 28' 38.853 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,933.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/31/13	7.38	60.63	48,762

Design OH

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	359.30

Survey Program **Date** 04/16/13

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	8,600.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
8,689.00	13,940.00	Survey #2 (OH)	LEAM MWD	MWD - Standard
13,993.00	13,993.00	Survey #3 (OH)	Project	Projection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL(I"20"S 1H)									
100.00	0.61	239.43	100.00	-0.27	-0.46	-0.27	0.61	0.61	0.00
200.00	0.40	227.68	199.99	-0.78	-1.17	-0.76	0.23	-0.21	-11.75
300.00	0.26	213.64	299.99	-1.20	-1.56	-1.18	0.16	-0.14	-14.04
400.00	0.31	196.01	399.99	-1.65	-1.76	-1.63	0.10	0.05	-17.63
500.00	0.30	206.20	499.99	-2.14	-1.95	-2.12	0.06	-0.01	10.19

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
600.00	0.25	209.62	599.99	-2.57	-2.17	-2.54	0.05	-0.05	3.42
700.00	0.29	198.77	699.99	-3.00	-2.36	-2.97	0.06	0.04	-10.85
800.00	0.28	177.51	799.99	-3.48	-2.43	-3.45	0.11	-0.01	-21.26
900.00	0.37	156.54	899.98	-4.02	-2.29	-3.99	0.15	0.09	-20.97
1,000.00	0.50	161.08	999.98	-4.73	-2.02	-4.71	0.13	0.13	4.54
1,100.00	0.54	146.17	1,099.98	-5.54	-1.62	-5.52	0.14	0.04	-14.91
1,200.00	0.90	137.18	1,199.97	-6.50	-0.82	-6.49	0.38	0.36	-8.99
1,300.00	1.12	132.92	1,299.95	-7.74	0.43	-7.75	0.23	0.22	-4.26
1,400.00	1.26	129.62	1,399.93	-9.11	1.99	-9.13	0.16	0.14	-3.30
1,500.00	1.34	128.38	1,499.91	-10.54	3.75	-10.58	0.08	0.08	-1.24
1,600.00	1.27	127.61	1,599.88	-11.94	5.55	-12.01	0.07	-0.07	-0.77
1,700.00	1.36	123.28	1,699.85	-13.27	7.42	-13.36	0.13	0.09	-4.33
1,800.00	1.29	118.71	1,799.83	-14.46	9.40	-14.57	0.13	-0.07	-4.57
1,900.00	1.62	114.72	1,899.80	-15.59	11.67	-15.73	0.35	0.33	-3.99
2,000.00	1.65	114.64	1,999.75	-16.78	14.26	-16.96	0.03	0.03	-0.08
2,100.00	1.37	111.62	2,099.72	-17.82	16.68	-18.03	0.29	-0.28	-3.02
2,200.00	1.32	105.07	2,199.69	-18.56	18.90	-18.79	0.16	-0.05	-6.55
2,300.00	1.24	103.78	2,299.67	-19.12	21.07	-19.38	0.09	-0.08	-1.29
2,400.00	1.28	97.77	2,399.64	-19.53	23.22	-19.81	0.14	0.04	-6.01
2,500.00	1.27	97.33	2,499.62	-19.82	25.43	-20.13	0.01	-0.01	-0.44
2,600.00	1.58	84.94	2,599.59	-19.84	27.90	-20.18	0.44	0.31	-12.39
2,700.00	2.15	80.04	2,699.53	-19.40	31.12	-19.77	0.59	0.57	-4.90
2,800.00	2.42	76.08	2,799.46	-18.56	35.02	-18.99	0.31	0.27	-3.96
2,900.00	2.45	74.34	2,899.36	-17.48	39.13	-17.96	0.08	0.03	-1.74
3,000.00	2.53	75.17	2,999.27	-16.34	43.32	-16.86	0.09	0.08	0.83
3,100.00	2.56	72.38	3,099.17	-15.10	47.58	-15.68	0.13	0.03	-2.79
3,200.00	2.32	66.06	3,199.08	-13.60	51.56	-14.23	0.36	-0.24	-6.32
3,300.00	2.15	64.01	3,299.01	-11.96	55.10	-12.63	0.19	-0.17	-2.05
3,400.00	1.90	63.55	3,398.94	-10.39	58.27	-11.11	0.25	-0.25	-0.46
3,500.00	1.77	62.67	3,498.89	-8.95	61.12	-9.69	0.13	-0.13	-0.88
3,600.00	1.39	60.18	3,598.85	-7.64	63.55	-8.41	0.39	-0.38	-2.49
3,700.00	1.13	46.36	3,698.83	-6.35	65.31	-7.15	0.40	-0.26	-13.82
3,800.00	1.28	19.13	3,798.81	-4.62	66.39	-5.43	0.59	0.15	-27.23
3,900.00	1.29	9.52	3,898.78	-2.45	66.94	-3.27	0.22	0.01	-9.61
4,000.00	1.38	4.54	3,998.76	-0.14	67.23	-0.96	0.15	0.09	-4.98
4,100.00	1.50	356.67	4,098.72	2.37	67.24	1.55	0.23	0.12	-7.87
4,200.00	1.49	359.83	4,198.69	4.97	67.16	4.15	0.08	-0.01	3.16
4,300.00	1.75	3.61	4,298.65	7.80	67.26	6.98	0.28	0.26	3.78
4,400.00	1.68	3.04	4,398.61	10.79	67.43	9.96	0.07	-0.07	-0.57
4,500.00	1.64	6.55	4,498.56	13.67	67.67	12.84	0.11	-0.04	3.51
4,600.00	1.66	1.57	4,598.52	16.54	67.87	15.71	0.14	0.02	-4.98
4,700.00	1.50	359.81	4,698.48	19.30	67.91	18.47	0.17	-0.16	-1.76

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	1.65	2.81	4,798.45	22.04	67.98	21.21	0.17	0.15	3.00
4,900.00	1.76	1.32	4,898.40	25.02	68.08	24.18	0.12	0.11	-1.49
5,000.00	1.71	358.51	4,998.36	28.04	68.08	27.21	0.10	-0.05	-2.81
5,100.00	1.83	356.79	5,098.31	31.13	67.95	30.30	0.13	0.12	-1.72
5,200.00	1.71	357.20	5,198.26	34.21	67.79	33.38	0.12	-0.12	0.41
5,300.00	1.77	356.55	5,298.21	37.25	67.62	36.42	0.06	0.06	-0.65
5,400.00	1.54	355.09	5,398.17	40.13	67.41	39.30	0.23	-0.23	-1.46
5,500.00	1.23	353.99	5,498.14	42.53	67.19	41.71	0.31	-0.31	-1.10
5,600.00	1.32	0.01	5,598.12	44.75	67.08	43.93	0.16	0.09	6.02
5,700.00	1.54	1.80	5,698.09	47.25	67.12	46.42	0.22	0.22	1.79
5,800.00	1.55	6.87	5,798.05	49.93	67.32	49.11	0.14	0.01	5.07
5,900.00	1.49	17.01	5,898.02	52.52	67.86	51.69	0.28	-0.06	10.14
6,000.00	1.40	29.62	5,997.98	54.82	68.85	53.98	0.33	-0.09	12.61
6,100.00	1.34	38.14	6,097.96	56.81	70.17	55.94	0.21	-0.06	8.52
6,200.00	1.55	49.97	6,197.92	58.60	71.93	57.71	0.36	0.21	11.83
6,300.00	1.87	65.37	6,297.88	60.14	74.45	59.23	0.56	0.32	15.40
6,400.00	1.79	71.17	6,397.83	61.33	77.41	60.38	0.20	-0.08	5.80
6,500.00	1.65	72.81	6,497.78	62.26	80.27	61.27	0.15	-0.14	1.64
6,600.00	1.77	65.72	6,597.74	63.32	83.05	62.30	0.24	0.12	-7.09
6,700.00	2.58	72.07	6,697.67	64.65	86.60	63.58	0.84	0.81	6.35
6,800.00	2.96	73.49	6,797.55	66.07	91.21	64.95	0.39	0.38	1.42
6,900.00	3.26	72.07	6,897.40	67.68	96.40	66.50	0.31	0.30	-1.42
7,000.00	3.54	72.49	6,997.23	69.49	102.04	68.24	0.28	0.28	0.42
7,100.00	3.36	62.98	7,097.05	71.75	107.60	70.43	0.60	-0.18	-9.51
7,200.00	3.53	54.58	7,196.87	74.86	112.72	73.48	0.53	0.17	-8.40
7,300.00	3.08	41.67	7,296.70	78.65	117.01	77.22	0.87	-0.45	-12.91
7,400.00	3.13	27.34	7,396.56	83.09	120.05	81.61	0.78	0.05	-14.33
7,500.00	3.14	24.35	7,496.41	88.01	122.44	86.50	0.16	0.01	-2.99
7,600.00	2.63	34.73	7,596.28	92.39	124.87	90.85	0.73	-0.51	10.38
7,700.00	2.77	37.36	7,696.17	96.19	127.65	94.63	0.19	0.14	2.63
7,800.00	2.93	48.17	7,796.05	99.82	131.02	98.21	0.56	0.16	10.81
7,900.00	2.73	52.15	7,895.92	102.98	134.80	101.33	0.28	-0.20	3.98
8,000.00	2.59	61.66	7,995.82	105.52	138.67	103.82	0.46	-0.14	9.51
8,100.00	2.94	71.66	8,095.70	107.40	143.09	105.64	0.59	0.35	10.00
8,200.00	2.96	64.40	8,195.57	109.32	147.86	107.51	0.37	0.02	-7.26
8,300.00	2.63	53.73	8,295.45	111.79	152.04	109.93	0.61	-0.33	-10.67
8,400.00	2.79	55.72	8,395.34	114.52	155.90	112.61	0.19	0.16	1.99
8,500.00	3.07	56.50	8,495.21	117.37	160.14	115.40	0.28	0.28	0.78
8,600.00	3.28	69.32	8,595.06	119.86	165.05	117.83	0.74	0.21	12.82
8,689.00	6.42	35.39	8,683.74	124.82	170.32	122.73	4.64	3.53	-38.12
8,752.00	6.95	13.24	8,746.32	131.40	173.23	129.27	4.15	0.84	-35.16
8,815.00	7.03	10.07	8,808.86	138.90	174.78	136.76	0.63	0.13	-5.03

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,910.00	6.77	1.46	8,903.17	150.23	175.94	148.07	1.12	-0.27	-9.06
9,005.00	6.68	356.89	8,997.52	161.34	175.78	159.18	0.57	-0.09	-4.81
9,100.00	6.86	357.95	9,091.85	172.53	175.28	170.37	0.23	0.19	1.12
9,163.00	7.47	357.77	9,154.36	180.38	174.98	178.23	0.97	0.97	-0.29
9,195.00	10.64	356.01	9,185.96	185.41	174.69	183.26	9.94	9.91	-5.50
9,227.00	14.86	354.96	9,217.16	192.45	174.13	190.30	13.21	13.19	-3.28
9,258.00	19.26	354.08	9,246.79	201.50	173.25	199.36	14.22	14.19	-2.84
9,290.00	23.04	353.73	9,276.63	212.97	172.02	210.86	11.82	11.81	-1.09
9,321.00	25.59	354.25	9,304.88	225.67	170.69	223.56	8.25	8.23	1.68
9,353.00	28.05	354.78	9,333.43	240.04	169.31	237.95	7.72	7.69	1.66
9,385.00	30.69	355.48	9,361.32	255.67	167.98	253.60	8.32	8.25	2.19
9,416.00	34.21	354.96	9,387.47	272.25	166.59	270.19	11.39	11.35	-1.68
9,448.00	37.46	354.25	9,413.41	290.90	164.83	288.86	10.24	10.16	-2.22
9,479.00	41.86	353.37	9,437.27	310.56	162.69	308.55	14.31	14.19	-2.84
9,511.00	45.90	352.67	9,460.33	332.57	159.99	330.59	12.72	12.63	-2.19
9,543.00	48.36	352.14	9,482.10	355.81	156.89	353.87	7.78	7.69	-1.66
9,574.00	50.91	353.02	9,502.18	379.23	153.84	377.33	8.51	8.23	2.84
9,606.00	53.90	354.08	9,521.70	404.43	151.00	402.55	9.71	9.34	3.31
9,634.00	56.72	354.43	9,537.63	427.33	148.69	425.48	10.12	10.07	1.25
9,666.00	59.97	355.48	9,554.43	454.46	146.30	452.64	10.53	10.16	3.28
9,698.00	64.81	356.19	9,569.25	482.73	144.25	480.94	15.25	15.13	2.22
9,729.00	70.26	355.84	9,581.09	511.30	142.26	509.53	17.61	17.58	-1.13
9,761.00	73.25	355.48	9,591.11	541.60	139.96	539.85	9.40	9.34	-1.13
9,793.00	75.97	355.84	9,599.60	572.36	137.62	570.64	8.57	8.50	1.13
9,824.00	78.52	356.54	9,606.45	602.53	135.61	600.83	8.52	8.23	2.26
9,856.00	81.69	356.89	9,611.94	634.00	133.81	632.31	9.96	9.91	1.09
9,887.00	84.94	357.24	9,615.55	664.74	132.23	663.08	10.54	10.48	1.13
9,919.00	88.02	356.89	9,617.52	696.64	130.60	694.99	9.69	9.63	-1.09
9,951.00	92.42	356.54	9,617.39	728.57	128.76	726.95	13.79	13.75	-1.09
9,982.00	94.88	356.36	9,615.42	759.45	126.85	757.84	7.96	7.94	-0.58
10,046.00	96.20	356.54	9,609.24	823.03	122.90	821.46	2.08	2.06	0.28
10,141.00	96.20	357.07	9,598.98	917.32	117.64	915.82	0.55	0.00	0.56
10,236.00	95.67	356.71	9,589.16	1,011.68	112.51	1,010.23	0.67	-0.56	-0.38
10,331.00	94.35	357.07	9,580.86	1,106.17	107.38	1,104.78	1.44	-1.39	0.38
10,426.00	94.26	357.42	9,573.73	1,200.79	102.83	1,199.45	0.38	-0.09	0.37
10,520.00	94.35	357.77	9,566.68	1,294.45	98.89	1,293.14	0.38	0.10	0.37
10,615.00	94.26	358.12	9,559.54	1,389.12	95.50	1,387.85	0.38	-0.09	0.37
10,710.00	94.09	358.65	9,552.63	1,483.83	92.83	1,482.58	0.58	-0.18	0.56
10,805.00	92.86	358.65	9,546.87	1,578.62	90.59	1,577.40	1.29	-1.29	0.00
10,900.00	92.77	359.00	9,542.20	1,673.49	88.65	1,672.28	0.38	-0.09	0.37
10,995.00	92.51	359.18	9,537.83	1,768.38	87.14	1,767.18	0.33	-0.27	0.19
11,090.00	92.77	358.82	9,533.45	1,863.26	85.48	1,862.08	0.47	0.27	-0.38

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,185.00	93.47	359.00	9,528.28	1,958.10	83.68	1,956.93	0.76	0.74	0.19
11,280.00	93.47	358.30	9,522.53	2,052.90	81.44	2,051.75	0.74	0.00	-0.74
11,375.00	96.11	358.12	9,514.60	2,147.51	78.49	2,146.39	2.79	2.78	-0.19
11,469.00	95.76	357.77	9,504.88	2,240.95	75.14	2,239.86	0.53	-0.37	-0.37
11,564.00	95.23	357.59	9,495.78	2,335.44	71.31	2,334.39	0.59	-0.56	-0.19
11,659.00	94.70	357.59	9,487.56	2,429.99	67.33	2,428.99	0.56	-0.56	0.00
11,754.00	94.88	357.24	9,479.63	2,524.57	63.06	2,523.61	0.41	0.19	-0.37
11,849.00	94.35	356.89	9,471.99	2,619.13	58.21	2,618.23	0.67	-0.56	-0.37
11,944.00	94.88	356.19	9,464.34	2,713.65	52.50	2,712.81	0.92	0.56	-0.74
12,039.00	95.58	355.66	9,455.68	2,808.02	45.77	2,807.25	0.92	0.74	-0.56
12,133.00	95.50	355.66	9,446.61	2,901.31	38.69	2,900.62	0.09	-0.09	0.00
12,228.00	95.06	355.48	9,437.86	2,995.62	31.39	2,995.02	0.50	-0.46	-0.19
12,323.00	93.83	356.01	9,430.50	3,090.07	24.36	3,089.55	1.41	-1.29	0.56
12,418.00	93.39	355.84	9,424.52	3,184.65	17.62	3,184.19	0.50	-0.46	-0.18
12,512.00	92.86	355.84	9,419.40	3,278.26	10.81	3,277.88	0.56	-0.56	0.00
12,596.00	93.12	356.54	9,415.01	3,361.96	5.24	3,361.64	0.89	0.31	0.83
12,627.00	93.74	357.24	9,413.16	3,392.86	3.56	3,392.56	3.01	2.00	2.26
12,722.00	94.79	357.59	9,406.09	3,487.50	-0.71	3,487.24	1.16	1.11	0.37
12,817.00	96.11	358.47	9,397.07	3,582.01	-3.97	3,581.79	1.67	1.39	0.93
12,912.00	96.73	358.65	9,386.45	3,676.38	-6.34	3,676.18	0.68	0.65	0.19
13,007.00	96.99	359.00	9,375.10	3,770.68	-8.27	3,770.50	0.46	0.27	0.37
13,102.00	95.85	358.47	9,364.48	3,865.06	-10.36	3,864.90	1.32	-1.20	-0.56
13,197.00	95.94	358.47	9,354.72	3,959.52	-12.88	3,959.39	0.09	0.09	0.00
13,292.00	94.70	357.77	9,345.91	4,054.06	-15.98	4,053.95	1.50	-1.31	-0.74
13,387.00	94.97	357.77	9,337.91	4,148.65	-19.67	4,148.58	0.28	0.28	0.00
13,483.00	95.06	357.59	9,329.52	4,244.21	-23.54	4,244.18	0.21	0.09	-0.19
13,577.00	95.32	357.59	9,321.01	4,337.74	-27.47	4,337.75	0.28	0.28	0.00
13,672.00	95.76	357.24	9,311.84	4,432.20	-31.74	4,432.25	0.59	0.46	-0.37
13,767.00	95.67	356.89	9,302.38	4,526.60	-36.58	4,526.71	0.38	-0.09	-0.37
13,862.00	96.02	356.71	9,292.71	4,620.96	-41.85	4,621.13	0.41	0.37	-0.19
13,940.00	95.85	356.19	9,284.64	4,698.39	-46.66	4,698.61	0.70	-0.22	-0.67
13,993.00	95.85	356.19	9,279.24	4,751.00	-50.16	4,751.26	0.00	0.00	0.00
PBHL(I"20"S 1H)									

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(I"20"S 1H) - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	629,096.41	804,539.12	32° 43' 35.413 N	103° 28' 38.853 W
BHL(I"20"S 1H) - actual wellpath hits target center - Point	0.00	0.00	9,279.24	4,751.00	-50.16	633,847.41	804,488.96	32° 44' 22.424 N	103° 28' 38.991 W
PBHL(I"20"S 1H) - actual wellpath misses target center by 8.90usft at 13993.00usft MD (9279.24 TVD, 4751.00 N, -50.16 E) - Point	0.00	0.00	9,283.00	4,752.06	-58.16	633,848.47	804,480.96	32° 44' 22.435 N	103° 28' 39.084 W

Checked By: _____ Approved By: _____ Date: _____

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD-83)		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Ironhouse "20" State				
Site Position:		**Northing:**	629,096.41 usft	**Latitude:**	32° 43' 35.413 N
From:	Map	**Easting:**	804,539.12 usft	**Longitude:**	103° 28' 38.853 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.46 °

Well	1H					
Well Position	**+N/-S**	0.00 usft	**Northing:**	629,096.41 usft	**Latitude:**	32° 43' 35.413 N
	+E/-W	0.00 usft	**Easting:**	804,539.12 usft	**Longitude:**	103° 28' 38.853 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,933.00 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	01/31/13	7.38	60.63	48,762

Design	OH				
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	359.30

Survey Program	**Date** 04/16/13		
From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
100.00	8,600.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
8,689.00	13,940.00	Survey #2 (OH)	LEAM MWD	MWD - Standard
13,993.00	13,993.00	Survey #3 (OH)	Project	Projection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	629,096.41	804,539.12	32° 43' 35.413 N	103° 28' 38.853 W
SHL(I"20"S 1H)									
100.00	0.61	239.43	100.00	-0.27	-0.46	629,096.14	804,538.66	32° 43' 35.411 N	103° 28' 38.858 W
200.00	0.40	227.68	199.99	-0.78	-1.17	629,095.64	804,537.94	32° 43' 35.406 N	103° 28' 38.867 W
300.00	0.26	213.64	299.99	-1.20	-1.56	629,095.21	804,537.56	32° 43' 35.401 N	103° 28' 38.871 W
400.00	0.31	196.01	399.99	-1.65	-1.76	629,094.76	804,537.36	32° 43' 35.397 N	103° 28' 38.873 W
500.00	0.30	206.20	499.99	-2.14	-1.95	629,094.27	804,537.17	32° 43' 35.392 N	103° 28' 38.876 W
600.00	0.25	209.62	599.99	-2.57	-2.17	629,093.85	804,536.95	32° 43' 35.388 N	103° 28' 38.878 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
700.00	0.29	198.77	699.99	-3.00	-2.36	629,093.42	804,536.76	32° 43' 35.384 N	103° 28' 38.881 W
800.00	0.28	177.51	799.99	-3.48	-2.43	629,092.93	804,536.69	32° 43' 35.379 N	103° 28' 38.882 W
900.00	0.37	156.54	899.98	-4.02	-2.29	629,092.39	804,536.82	32° 43' 35.374 N	103° 28' 38.880 W
1,000.00	0.50	161.08	999.98	-4.73	-2.02	629,091.68	804,537.09	32° 43' 35.367 N	103° 28' 38.877 W
1,100.00	0.54	146.17	1,099.98	-5.54	-1.62	629,090.88	804,537.50	32° 43' 35.359 N	103° 28' 38.872 W
1,200.00	0.90	137.18	1,199.97	-6.50	-0.82	629,089.91	804,538.29	32° 43' 35.349 N	103° 28' 38.863 W
1,300.00	1.12	132.92	1,299.95	-7.74	0.43	629,088.67	804,539.54	32° 43' 35.337 N	103° 28' 38.848 W
1,400.00	1.26	129.62	1,399.93	-9.11	1.99	629,087.30	804,541.11	32° 43' 35.323 N	103° 28' 38.830 W
1,500.00	1.34	128.38	1,499.91	-10.54	3.75	629,085.88	804,542.87	32° 43' 35.309 N	103° 28' 38.810 W
1,600.00	1.27	127.61	1,599.88	-11.94	5.55	629,084.47	804,544.66	32° 43' 35.295 N	103° 28' 38.789 W
1,700.00	1.36	123.28	1,699.85	-13.27	7.42	629,083.15	804,546.53	32° 43' 35.281 N	103° 28' 38.767 W
1,800.00	1.29	118.71	1,799.83	-14.46	9.40	629,081.95	804,548.51	32° 43' 35.269 N	103° 28' 38.744 W
1,900.00	1.62	114.72	1,899.80	-15.59	11.67	629,080.82	804,550.79	32° 43' 35.258 N	103° 28' 38.718 W
2,000.00	1.65	114.64	1,999.75	-16.78	14.26	629,079.63	804,553.38	32° 43' 35.246 N	103° 28' 38.687 W
2,100.00	1.37	111.62	2,099.72	-17.82	16.68	629,078.59	804,555.80	32° 43' 35.235 N	103° 28' 38.659 W
2,200.00	1.32	105.07	2,199.69	-18.56	18.90	629,077.85	804,558.02	32° 43' 35.228 N	103° 28' 38.633 W
2,300.00	1.24	103.78	2,299.67	-19.12	21.07	629,077.29	804,560.18	32° 43' 35.222 N	103° 28' 38.608 W
2,400.00	1.28	97.77	2,399.64	-19.53	23.22	629,076.88	804,562.34	32° 43' 35.218 N	103° 28' 38.583 W
2,500.00	1.27	97.33	2,499.62	-19.82	25.43	629,076.59	804,564.55	32° 43' 35.215 N	103° 28' 38.557 W
2,600.00	1.58	84.94	2,599.59	-19.84	27.90	629,076.57	804,567.02	32° 43' 35.215 N	103° 28' 38.528 W
2,700.00	2.15	80.04	2,699.53	-19.40	31.12	629,077.02	804,570.24	32° 43' 35.219 N	103° 28' 38.490 W
2,800.00	2.42	76.08	2,799.46	-18.56	35.02	629,077.85	804,574.14	32° 43' 35.227 N	103° 28' 38.445 W
2,900.00	2.45	74.34	2,899.36	-17.48	39.13	629,078.94	804,578.25	32° 43' 35.237 N	103° 28' 38.396 W
3,000.00	2.53	75.17	2,999.27	-16.34	43.32	629,080.08	804,582.44	32° 43' 35.248 N	103° 28' 38.347 W
3,100.00	2.56	72.38	3,099.17	-15.10	47.58	629,081.32	804,586.70	32° 43' 35.260 N	103° 28' 38.297 W
3,200.00	2.32	66.06	3,199.08	-13.60	51.56	629,082.82	804,590.68	32° 43' 35.274 N	103° 28' 38.251 W
3,300.00	2.15	64.01	3,299.01	-11.96	55.10	629,084.46	804,594.21	32° 43' 35.290 N	103° 28' 38.209 W
3,400.00	1.90	63.55	3,398.94	-10.39	58.27	629,086.02	804,597.38	32° 43' 35.306 N	103° 28' 38.172 W
3,500.00	1.77	62.67	3,498.89	-8.95	61.12	629,087.47	804,600.24	32° 43' 35.320 N	103° 28' 38.138 W
3,600.00	1.39	60.18	3,598.85	-7.64	63.55	629,088.78	804,602.66	32° 43' 35.333 N	103° 28' 38.110 W
3,700.00	1.13	46.36	3,698.83	-6.35	65.31	629,090.06	804,604.43	32° 43' 35.345 N	103° 28' 38.089 W
3,800.00	1.28	19.13	3,798.81	-4.62	66.39	629,091.80	804,605.51	32° 43' 35.362 N	103° 28' 38.076 W
3,900.00	1.29	9.52	3,898.78	-2.45	66.94	629,093.96	804,606.06	32° 43' 35.384 N	103° 28' 38.069 W
4,000.00	1.38	4.54	3,998.76	-0.14	67.23	629,096.27	804,606.34	32° 43' 35.406 N	103° 28' 38.066 W
4,100.00	1.50	356.67	4,098.72	2.37	67.24	629,098.78	804,606.36	32° 43' 35.431 N	103° 28' 38.065 W
4,200.00	1.49	359.83	4,198.69	4.97	67.16	629,101.39	804,606.28	32° 43' 35.457 N	103° 28' 38.066 W
4,300.00	1.75	3.61	4,298.65	7.80	67.26	629,104.21	804,606.37	32° 43' 35.485 N	103° 28' 38.065 W
4,400.00	1.68	3.04	4,398.61	10.79	67.43	629,107.20	804,606.55	32° 43' 35.514 N	103° 28' 38.062 W
4,500.00	1.64	6.55	4,498.56	13.67	67.67	629,110.09	804,606.79	32° 43' 35.543 N	103° 28' 38.059 W
4,600.00	1.66	1.57	4,598.52	16.54	67.87	629,112.95	804,606.99	32° 43' 35.571 N	103° 28' 38.057 W
4,700.00	1.50	359.81	4,698.48	19.30	67.91	629,115.71	804,607.03	32° 43' 35.599 N	103° 28' 38.056 W
4,800.00	1.65	2.81	4,798.45	22.04	67.98	629,118.46	804,607.09	32° 43' 35.626 N	103° 28' 38.055 W
4,900.00	1.76	1.32	4,898.40	25.02	68.08	629,121.43	804,607.20	32° 43' 35.655 N	103° 28' 38.053 W
5,000.00	1.71	358.51	4,998.36	28.04	68.08	629,124.46	804,607.20	32° 43' 35.685 N	103° 28' 38.053 W
5,100.00	1.83	356.79	5,098.31	31.13	67.95	629,127.54	804,607.07	32° 43' 35.716 N	103° 28' 38.054 W
5,200.00	1.71	357.20	5,198.26	34.21	67.79	629,130.63	804,606.91	32° 43' 35.746 N	103° 28' 38.056 W
5,300.00	1.77	356.55	5,298.21	37.25	67.62	629,133.66	804,606.74	32° 43' 35.776 N	103° 28' 38.058 W
5,400.00	1.54	355.09	5,398.17	40.13	67.41	629,136.54	804,606.53	32° 43' 35.805 N	103° 28' 38.060 W
5,500.00	1.23	353.99	5,498.14	42.53	67.19	629,138.95	804,606.31	32° 43' 35.829 N	103° 28' 38.062 W
5,600.00	1.32	0.01	5,598.12	44.75	67.08	629,141.17	804,606.19	32° 43' 35.851 N	103° 28' 38.063 W
5,700.00	1.54	1.80	5,698.09	47.25	67.12	629,143.66	804,606.24	32° 43' 35.875 N	103° 28' 38.063 W
5,800.00	1.55	6.87	5,798.05	49.93	67.32	629,146.35	804,606.44	32° 43' 35.902 N	103° 28' 38.060 W
5,900.00	1.49	17.01	5,898.02	52.52	67.86	629,148.93	804,606.98	32° 43' 35.927 N	103° 28' 38.053 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,000.00	1.40	29.62	5,997.98	54.82	68.85	629,151.24	804,607.97	32° 43' 35.950 N	103° 28' 38.042 W
6,100.00	1.34	38.14	6,097.96	56.81	70.17	629,153.22	804,609.29	32° 43' 35.970 N	103° 28' 38.026 W
6,200.00	1.55	49.97	6,197.92	58.60	71.93	629,155.01	804,611.05	32° 43' 35.987 N	103° 28' 38.005 W
6,300.00	1.87	65.37	6,297.88	60.14	74.45	629,156.56	804,613.57	32° 43' 36.002 N	103° 28' 37.976 W
6,400.00	1.79	71.17	6,397.83	61.33	77.41	629,157.74	804,616.53	32° 43' 36.014 N	103° 28' 37.941 W
6,500.00	1.65	72.81	6,497.78	62.26	80.27	629,158.67	804,619.38	32° 43' 36.023 N	103° 28' 37.907 W
6,600.00	1.77	65.72	6,597.74	63.32	83.05	629,159.73	804,622.17	32° 43' 36.033 N	103° 28' 37.875 W
6,700.00	2.58	72.07	6,697.67	64.65	86.60	629,161.06	804,625.72	32° 43' 36.046 N	103° 28' 37.833 W
6,800.00	2.96	73.49	6,797.55	66.07	91.21	629,162.49	804,630.33	32° 43' 36.060 N	103° 28' 37.779 W
6,900.00	3.26	72.07	6,897.40	67.68	96.40	629,164.10	804,635.51	32° 43' 36.075 N	103° 28' 37.718 W
7,000.00	3.54	72.49	6,997.23	69.49	102.04	629,165.90	804,641.16	32° 43' 36.093 N	103° 28' 37.652 W
7,100.00	3.36	62.98	7,097.05	71.75	107.60	629,168.16	804,646.72	32° 43' 36.114 N	103° 28' 37.586 W
7,200.00	3.53	54.58	7,196.87	74.86	112.72	629,171.28	804,651.84	32° 43' 36.145 N	103° 28' 37.526 W
7,300.00	3.08	41.67	7,296.70	78.65	117.01	629,175.07	804,656.13	32° 43' 36.182 N	103° 28' 37.476 W
7,400.00	3.13	27.34	7,396.56	83.09	120.05	629,179.50	804,659.17	32° 43' 36.226 N	103° 28' 37.440 W
7,500.00	3.14	24.35	7,496.41	88.01	122.44	629,184.42	804,661.55	32° 43' 36.274 N	103° 28' 37.411 W
7,600.00	2.63	34.73	7,596.28	92.39	124.87	629,188.80	804,663.99	32° 43' 36.317 N	103° 28' 37.382 W
7,700.00	2.77	37.36	7,696.17	96.19	127.65	629,192.61	804,666.76	32° 43' 36.355 N	103° 28' 37.349 W
7,800.00	2.93	48.17	7,796.05	99.82	131.02	629,196.23	804,670.14	32° 43' 36.390 N	103° 28' 37.310 W
7,900.00	2.73	52.15	7,895.92	102.98	134.80	629,199.40	804,673.92	32° 43' 36.421 N	103° 28' 37.265 W
8,000.00	2.59	61.66	7,995.82	105.52	138.67	629,201.93	804,677.79	32° 43' 36.446 N	103° 28' 37.220 W
8,100.00	2.94	71.66	8,095.70	107.40	143.09	629,203.81	804,682.21	32° 43' 36.464 N	103° 28' 37.168 W
8,200.00	2.96	64.40	8,195.57	109.32	147.86	629,205.73	804,686.97	32° 43' 36.483 N	103° 28' 37.112 W
8,300.00	2.63	53.73	8,295.45	111.79	152.04	629,208.21	804,691.15	32° 43' 36.507 N	103° 28' 37.063 W
8,400.00	2.79	55.72	8,395.34	114.52	155.90	629,210.94	804,695.01	32° 43' 36.534 N	103° 28' 37.017 W
8,500.00	3.07	56.50	8,495.21	117.37	160.14	629,213.78	804,699.26	32° 43' 36.562 N	103° 28' 36.967 W
8,600.00	3.28	69.32	8,595.06	119.86	165.05	629,216.27	804,704.17	32° 43' 36.586 N	103° 28' 36.909 W
8,689.00	6.42	35.39	8,683.74	124.82	170.32	629,221.23	804,709.43	32° 43' 36.634 N	103° 28' 36.847 W
8,752.00	6.95	13.24	8,746.32	131.40	173.23	629,227.81	804,712.35	32° 43' 36.699 N	103° 28' 36.813 W
8,815.00	7.03	10.07	8,808.86	138.90	174.78	629,235.32	804,713.89	32° 43' 36.774 N	103° 28' 36.794 W
8,910.00	6.77	1.46	8,903.17	150.23	175.94	629,246.64	804,715.05	32° 43' 36.885 N	103° 28' 36.779 W
9,005.00	6.68	356.89	8,997.52	161.34	175.78	629,257.76	804,714.90	32° 43' 36.995 N	103° 28' 36.780 W
9,100.00	6.86	357.95	9,091.85	172.53	175.28	629,268.94	804,714.39	32° 43' 37.106 N	103° 28' 36.785 W
9,163.00	7.47	357.77	9,154.36	180.38	174.98	629,276.80	804,714.10	32° 43' 37.184 N	103° 28' 36.787 W
9,195.00	10.64	356.01	9,185.96	185.41	174.69	629,281.82	804,713.81	32° 43' 37.234 N	103° 28' 36.790 W
9,227.00	14.86	354.96	9,217.16	192.45	174.13	629,288.86	804,713.25	32° 43' 37.303 N	103° 28' 36.796 W
9,258.00	19.26	354.08	9,246.79	201.50	173.25	629,297.91	804,712.37	32° 43' 37.393 N	103° 28' 36.806 W
9,290.00	23.04	353.73	9,276.63	212.97	172.02	629,309.39	804,711.14	32° 43' 37.507 N	103° 28' 36.819 W
9,321.00	25.59	354.25	9,304.88	225.67	170.69	629,322.08	804,709.81	32° 43' 37.632 N	103° 28' 36.833 W
9,353.00	28.05	354.78	9,333.43	240.04	169.31	629,336.45	804,708.43	32° 43' 37.775 N	103° 28' 36.848 W
9,385.00	30.69	355.48	9,361.32	255.67	167.98	629,352.09	804,707.10	32° 43' 37.929 N	103° 28' 36.862 W
9,416.00	34.21	354.96	9,387.47	272.25	166.59	629,368.66	804,705.71	32° 43' 38.094 N	103° 28' 36.877 W
9,448.00	37.46	354.25	9,413.41	290.90	164.83	629,387.31	804,703.95	32° 43' 38.278 N	103° 28' 36.896 W
9,479.00	41.86	353.37	9,437.27	310.56	162.69	629,406.97	804,701.81	32° 43' 38.473 N	103° 28' 36.919 W
9,511.00	45.90	352.67	9,460.33	332.57	159.99	629,428.98	804,699.11	32° 43' 38.691 N	103° 28' 36.949 W
9,543.00	48.36	352.14	9,482.10	355.81	156.89	629,452.23	804,696.01	32° 43' 38.921 N	103° 28' 36.983 W
9,574.00	50.91	353.02	9,502.18	379.23	153.84	629,475.65	804,692.96	32° 43' 39.153 N	103° 28' 37.016 W
9,606.00	53.90	354.08	9,521.70	404.43	151.00	629,500.84	804,690.12	32° 43' 39.403 N	103° 28' 37.047 W
9,634.00	56.72	354.43	9,537.63	427.33	148.69	629,523.75	804,687.81	32° 43' 39.629 N	103° 28' 37.072 W
9,666.00	59.97	355.48	9,554.43	454.46	146.30	629,550.88	804,685.42	32° 43' 39.898 N	103° 28' 37.097 W
9,698.00	64.81	356.19	9,569.25	482.73	144.25	629,579.15	804,683.37	32° 43' 40.178 N	103° 28' 37.119 W
9,729.00	70.26	355.84	9,581.09	511.30	142.26	629,607.72	804,681.38	32° 43' 40.461 N	103° 28' 37.139 W
9,761.00	73.25	355.48	9,591.11	541.60	139.96	629,638.02	804,679.07	32° 43' 40.761 N	103° 28' 37.163 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,793.00	75.97	355.84	9,599.60	572.36	137.62	629,668.78	804,676.74	32° 43' 41.065 N	103° 28' 37.188 W
9,824.00	78.52	356.54	9,606.45	602.53	135.61	629,698.94	804,674.73	32° 43' 41.364 N	103° 28' 37.208 W
9,856.00	81.69	356.89	9,611.94	634.00	133.81	629,730.41	804,672.93	32° 43' 41.675 N	103° 28' 37.226 W
9,887.00	84.94	357.24	9,615.55	664.74	132.23	629,761.16	804,671.35	32° 43' 41.980 N	103° 28' 37.242 W
9,919.00	88.02	356.89	9,617.52	696.64	130.60	629,793.05	804,669.72	32° 43' 42.295 N	103° 28' 37.258 W
9,951.00	92.42	356.54	9,617.39	728.57	128.76	629,824.99	804,667.88	32° 43' 42.612 N	103° 28' 37.277 W
9,982.00	94.88	356.36	9,615.42	759.45	126.85	629,855.86	804,665.97	32° 43' 42.917 N	103° 28' 37.296 W
10,046.00	96.20	356.54	9,609.24	823.03	122.90	629,919.44	804,662.02	32° 43' 43.547 N	103° 28' 37.336 W
10,141.00	96.20	357.07	9,598.98	917.32	117.64	630,013.74	804,656.76	32° 43' 44.480 N	103° 28' 37.389 W
10,236.00	95.67	356.71	9,589.16	1,011.68	112.51	630,108.09	804,651.63	32° 43' 45.414 N	103° 28' 37.440 W
10,331.00	94.35	357.07	9,580.86	1,106.17	107.38	630,202.58	804,646.50	32° 43' 46.349 N	103° 28' 37.491 W
10,426.00	94.26	357.42	9,573.73	1,200.79	102.83	630,297.21	804,641.95	32° 43' 47.286 N	103° 28' 37.536 W
10,520.00	94.35	357.77	9,566.68	1,294.45	98.89	630,390.86	804,638.01	32° 43' 48.213 N	103° 28' 37.573 W
10,615.00	94.26	358.12	9,559.54	1,389.12	95.50	630,485.53	804,634.61	32° 43' 49.150 N	103° 28' 37.604 W
10,710.00	94.09	358.65	9,552.63	1,483.83	92.83	630,580.24	804,631.94	32° 43' 50.087 N	103° 28' 37.626 W
10,805.00	92.86	358.65	9,546.87	1,578.62	90.59	630,675.04	804,629.71	32° 43' 51.025 N	103° 28' 37.643 W
10,900.00	92.77	359.00	9,542.20	1,673.49	88.65	630,769.90	804,627.76	32° 43' 51.964 N	103° 28' 37.657 W
10,995.00	92.51	359.18	9,537.83	1,768.38	87.14	630,864.79	804,626.26	32° 43' 52.903 N	103° 28' 37.665 W
11,090.00	92.77	358.82	9,533.45	1,863.26	85.48	630,959.67	804,624.60	32° 43' 53.842 N	103° 28' 37.676 W
11,185.00	93.47	359.00	9,528.28	1,958.10	83.68	631,054.52	804,622.80	32° 43' 54.780 N	103° 28' 37.688 W
11,280.00	93.47	358.30	9,522.53	2,052.90	81.44	631,149.31	804,620.56	32° 43' 55.718 N	103° 28' 37.705 W
11,375.00	96.11	358.12	9,514.60	2,147.51	78.49	631,243.93	804,617.61	32° 43' 56.655 N	103° 28' 37.731 W
11,469.00	95.76	357.77	9,504.88	2,240.95	75.14	631,337.36	804,614.25	32° 43' 57.579 N	103° 28' 37.761 W
11,564.00	95.23	357.59	9,495.78	2,335.44	71.31	631,431.85	804,610.43	32° 43' 58.515 N	103° 28' 37.797 W
11,659.00	94.70	357.59	9,487.56	2,429.99	67.33	631,526.41	804,606.45	32° 43' 59.451 N	103° 28' 37.835 W
11,754.00	94.88	357.24	9,479.63	2,524.57	63.06	631,620.98	804,602.18	32° 44' 0.387 N	103° 28' 37.876 W
11,849.00	94.35	356.89	9,471.99	2,619.13	58.21	631,715.55	804,597.33	32° 44' 1.323 N	103° 28' 37.924 W
11,944.00	94.88	356.19	9,464.34	2,713.65	52.50	631,810.07	804,591.61	32° 44' 2.258 N	103° 28' 37.982 W
12,039.00	95.58	355.66	9,455.68	2,808.02	45.77	631,904.43	804,584.89	32° 44' 3.192 N	103° 28' 38.051 W
12,133.00	95.50	355.66	9,446.61	2,901.31	38.69	631,997.72	804,577.81	32° 44' 4.116 N	103° 28' 38.125 W
12,228.00	95.06	355.48	9,437.86	2,995.62	31.39	632,092.04	804,570.50	32° 44' 5.050 N	103° 28' 38.202 W
12,323.00	93.83	356.01	9,430.50	3,090.07	24.36	632,186.49	804,563.48	32° 44' 5.985 N	103° 28' 38.275 W
12,418.00	93.39	355.84	9,424.52	3,184.65	17.62	632,281.06	804,556.74	32° 44' 6.921 N	103° 28' 38.345 W
12,512.00	92.86	355.84	9,419.40	3,278.26	10.81	632,374.67	804,549.93	32° 44' 7.848 N	103° 28' 38.416 W
12,596.00	93.12	356.54	9,415.01	3,361.96	5.24	632,458.37	804,544.36	32° 44' 8.676 N	103° 28' 38.474 W
12,627.00	93.74	357.24	9,413.16	3,392.86	3.56	632,489.27	804,542.68	32° 44' 8.982 N	103° 28' 38.490 W
12,722.00	94.79	357.59	9,406.09	3,487.50	-0.71	632,583.91	804,538.40	32° 44' 9.919 N	103° 28' 38.531 W
12,817.00	96.11	358.47	9,397.07	3,582.01	-3.97	632,678.42	804,535.15	32° 44' 10.854 N	103° 28' 38.560 W
12,912.00	96.73	358.65	9,386.45	3,676.38	-6.34	632,772.80	804,532.78	32° 44' 11.788 N	103° 28' 38.579 W
13,007.00	96.99	359.00	9,375.10	3,770.68	-8.27	632,867.10	804,530.85	32° 44' 12.722 N	103° 28' 38.593 W
13,102.00	95.85	358.47	9,364.48	3,865.06	-10.36	632,961.47	804,528.76	32° 44' 13.656 N	103° 28' 38.608 W
13,197.00	95.94	358.47	9,354.72	3,959.52	-12.88	633,055.94	804,526.24	32° 44' 14.590 N	103° 28' 38.629 W
13,292.00	94.70	357.77	9,345.91	4,054.06	-15.98	633,150.48	804,523.13	32° 44' 15.526 N	103° 28' 38.656 W
13,387.00	94.97	357.77	9,337.91	4,148.65	-19.67	633,245.07	804,519.45	32° 44' 16.462 N	103° 28' 38.691 W
13,483.00	95.06	357.59	9,329.52	4,244.21	-23.54	633,340.62	804,515.58	32° 44' 17.408 N	103° 28' 38.727 W
13,577.00	95.32	357.59	9,321.01	4,337.74	-27.47	633,434.15	804,511.64	32° 44' 18.334 N	103° 28' 38.764 W
13,672.00	95.76	357.24	9,311.84	4,432.20	-31.74	633,528.61	804,507.38	32° 44' 19.269 N	103° 28' 38.805 W
13,767.00	95.67	356.89	9,302.38	4,526.60	-36.58	633,623.02	804,502.54	32° 44' 20.203 N	103° 28' 38.853 W
13,862.00	96.02	356.71	9,292.71	4,620.96	-41.85	633,717.37	804,497.26	32° 44' 21.137 N	103° 28' 38.906 W
13,940.00	95.85	356.19	9,284.64	4,698.39	-46.66	633,794.81	804,492.46	32° 44' 21.904 N	103° 28' 38.955 W
13,993.00	95.85	356.19	9,279.24	4,751.00	-50.16	633,847.41	804,488.96	32° 44' 22.424 N	103° 28' 38.991 W
PBHL(I"20"S 1H)									

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 1H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Site:	Ironhouse "20" State	**MD Reference:**	GE 3933' + KB 26' @ 3959.00usft (Scandrill Texas)
Well:	1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(I"20"S 1H) - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	629,096.41	804,539.12	32° 43' 35.413 N	103° 28' 38.853 W
BHL(I"20"S 1H) - actual wellpath hits target center - Point	0.00	0.00	9,279.24	4,751.00	-50.16	633,847.41	804,488.96	32° 44' 22.424 N	103° 28' 38.991 W
PBHL(I"20"S 1H) - actual wellpath misses target center by 8.90usft at 13993.00usft MD (9279.24 TVD, 4751.00 N, -50.16 E) - Point	0.00	0.00	9,283.00	4,752.06	-58.16	633,848.47	804,480.96	32° 44' 22.435 N	103° 28' 39.084 W

Checked By: _____ Approved By: _____ Date: _____