GMT Exploration Company LLC

Project:	Lea County, NM (NAD 83)
Site:	Vitalizer State #1H
Well:	Vitalizer State #1H
Wellbore:	Vitalizer State #1H
Design:	Vitalizer State #1H
Latitude:	32° 26' 31.410 N
Longitude:	103° 28' 56.280 W
GL:	3682.00
KB:	WELL @ 3702.00ft (Original Well Elev)

NEWSCO

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Vitalizer State #1H p3	10680.00	-4750.75	40.42	520847.14	803918.66	32° 25' 44.400 N	103° 28' 56.250 W

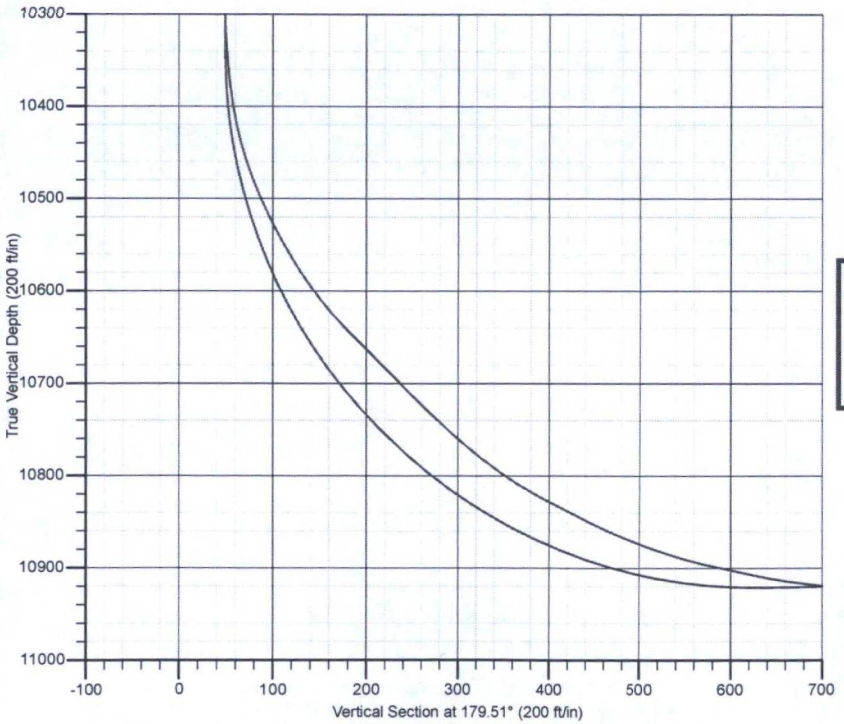
WELL DETAILS: Vitalizer State #1H

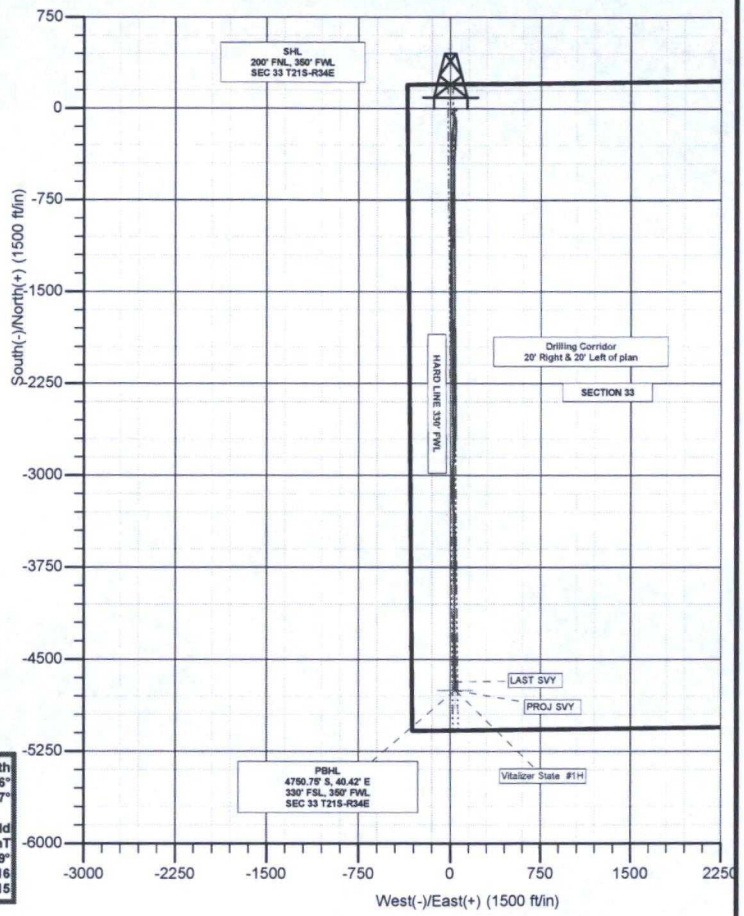
Ground Level: 3682.00

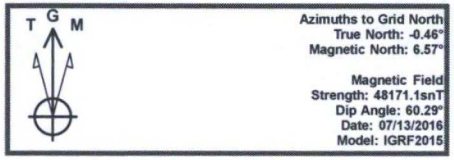
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	525597.87	803878.24	32° 26' 31.410 N	103° 28' 56.280 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
10289.00	1.71	108.44	10286.94	-48.47	29.67	0.00	0.00	48.72	Start 62.00 hold at 10289.00 MD
10351.00	1.71	108.44	10348.91	-49.05	31.42	0.00	0.00	49.32	Start DLS 10.00 TFO 82.30
10648.27	30.00	187.80	10632.60	-125.81	25.41	10.00	82.30	126.03	Start DLS 10.00 TFO -9.48
11258.50	90.68	179.51	10921.00	-630.69	5.37	10.00	-9.48	630.71	Start 1355.00 hold at 11258.50 MD
12613.50	90.68	179.51	10904.92	-1985.55	16.89	0.00	0.00	1985.62	Start Build 5.00
12694.07	94.71	179.51	10901.14	-2066.01	17.58	5.00	0.00	2066.08	Start 2693.92 hold at 12694.07 MD
15388.00	94.71	179.51	10680.00	-4750.75	40.42	0.00	0.00	4750.92	TD at 15388.00

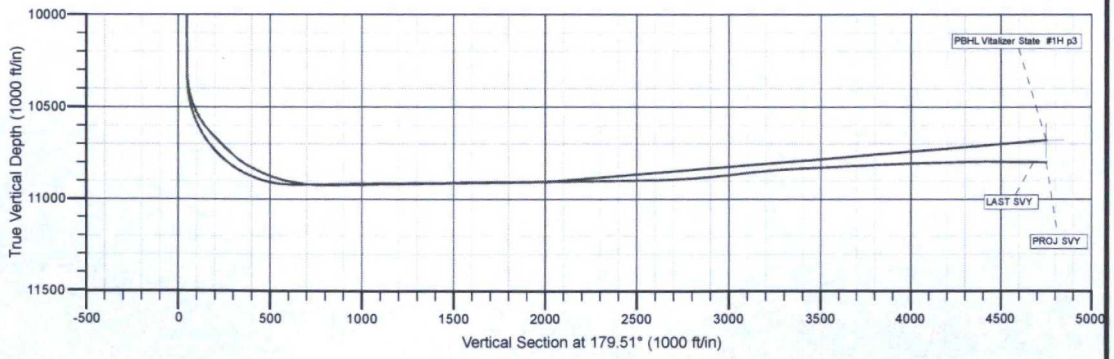






Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.57°

Magnetic Field
Strength: 48171.1snT
Dip Angle: 60.29°
Date: 07/13/2016
Model: IGRF2015



PROJECT DETAILS: Lea County, NM (NAD 83)

Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

Survey: Survey #1 (Vitalizer State #1H/Vitalizer State #1H)

Created By: TRACY WILLIAMS Date: 7:35, August 11 2016

GMT Exploration Company LLC

GMT Exploration

Lea County, NM (NAD 83)
Vitalizer State #1H
Vitalizer State #1H

Vitalizer State #1H

Survey: Survey #1

Standard Survey Report

11 August, 2016

NEWSCO

Company:	GMT Exploration	**Local Co-ordinate Reference:**	Well Vitalizer State #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Site:	Vitalizer State #1H	**MD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Well:	Vitalizer State #1H	**North Reference:**	Grid
Wellbore:	Vitalizer State #1H	**Survey Calculation Method:**	Minimum Curvature
Design:	Vitalizer State #1H	**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 Vitalizer State #1H

Site Position:		**Northing:**	525,597.87 usft	**Latitude:**	32° 26' 31.410 N
From:	Lat/Long	**Easting:**	803,878.24 usft	**Longitude:**	103° 28' 56.280 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.46 °

Well Vitalizer State #1H

Well Position	**+N/-S**	0.00 ft	**Northing:**	525,597.87 usft	**Latitude:**	32° 26' 31.410 N
	+E/-W	0.00 ft	**Easting:**	803,878.24 usft	**Longitude:**	103° 28' 56.280 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	0.00 ft	**Ground Level:**	3,682.00 ft

Wellbore Vitalizer State #1H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	07/13/16	7.03	60.29	48,171

Design Vitalizer State #1H

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	179.51

Survey Program **Date** 08/11/16

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
77.00	15,341.00	Survey #1 (Vitalizer State #1H)	MWD	OWSG MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
77.00	0.30	103.30	77.00	-0.05	0.20	0.05	0.39	0.39	0.00
160.00	0.70	103.00	160.00	-0.21	0.90	0.22	0.48	0.48	-0.36
235.00	0.70	146.80	234.99	-0.70	1.60	0.71	0.70	0.00	58.40
327.00	0.80	136.80	326.98	-1.64	2.35	1.66	0.18	0.11	-10.87
419.00	0.40	88.80	418.98	-2.10	3.11	2.12	0.66	-0.43	-52.17
507.00	0.80	90.80	506.97	-2.10	4.03	2.13	0.46	0.45	2.27
595.00	0.50	80.80	594.97	-2.05	5.02	2.09	0.36	-0.34	-11.36
680.00	0.70	105.80	679.96	-2.13	5.89	2.18	0.38	0.24	29.41
770.00	0.60	108.80	769.96	-2.43	6.86	2.49	0.12	-0.11	3.33
833.00	0.40	84.80	832.96	-2.52	7.39	2.58	0.45	-0.32	-38.10
928.00	0.70	59.80	927.95	-2.19	8.23	2.26	0.40	0.32	-26.32
1,023.00	0.90	98.90	1,022.94	-2.02	9.46	2.10	0.60	0.21	41.16

Company:	GMT Exploration	**Local Co-ordinate Reference:**	Well Vitalizer State #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Site:	Vitalizer State #1H	**MD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Well:	Vitalizer State #1H	**North Reference:**	Grid
Wellbore:	Vitalizer State #1H	**Survey Calculation Method:**	Minimum Curvature
Design:	Vitalizer State #1H	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,117.00	0.90	113.80	1,116.93	-2.43	10.87	2.52	0.25	0.00	15.85
1,196.00	0.50	84.00	1,195.92	-2.64	11.78	2.74	0.67	-0.51	-37.72
1,302.00	1.20	96.00	1,301.91	-2.71	13.34	2.83	0.68	0.66	11.32
1,397.00	0.80	70.00	1,396.90	-2.59	14.96	2.72	0.63	-0.42	-27.37
1,492.00	1.00	95.00	1,491.89	-2.43	16.41	2.57	0.46	0.21	26.32
1,587.00	1.20	112.00	1,586.87	-2.88	18.15	3.03	0.40	0.21	17.89
1,690.00	0.70	101.80	1,689.86	-3.41	19.77	3.58	0.51	-0.49	-9.90
1,891.00	1.05	78.55	1,890.83	-3.30	22.78	3.49	0.24	0.17	-11.57
1,986.00	1.58	75.21	1,985.81	-2.79	24.90	3.00	0.56	0.56	-3.52
2,081.00	2.37	81.01	2,080.75	-2.15	28.10	2.39	0.86	0.83	6.11
2,176.00	2.42	67.48	2,175.67	-1.07	31.89	1.35	0.60	0.05	-14.24
2,272.00	1.76	51.66	2,271.60	0.62	34.92	-0.32	0.91	-0.69	-16.48
2,367.00	0.18	7.19	2,366.59	1.67	36.09	-1.36	1.72	-1.66	-46.81
2,462.00	0.92	265.06	2,461.58	1.75	35.35	-1.45	1.03	0.78	-107.51
2,558.00	1.05	261.98	2,557.57	1.56	33.71	-1.28	0.15	0.14	-3.21
2,653.00	0.92	269.27	2,652.56	1.43	32.08	-1.16	0.19	-0.14	7.67
2,748.00	1.36	258.11	2,747.54	1.19	30.22	-0.93	0.52	0.46	-11.75
2,843.00	1.67	257.76	2,842.50	0.66	27.76	-0.43	0.33	0.33	-0.37
2,939.00	0.97	232.71	2,938.48	-0.12	25.75	0.34	0.93	-0.73	-26.09
3,034.00	1.23	207.66	3,033.46	-1.51	24.63	1.72	0.57	0.27	-26.37
3,129.00	1.19	178.31	3,128.44	-3.40	24.19	3.61	0.65	-0.04	-30.89
3,225.00	1.14	133.57	3,224.42	-5.06	24.91	5.27	0.92	-0.05	-46.60
3,320.00	2.24	107.82	3,319.38	-6.28	27.36	6.51	1.38	1.16	-27.11
3,416.00	2.07	118.98	3,415.31	-7.69	30.67	7.95	0.47	-0.18	11.63
3,511.00	0.75	144.47	3,510.28	-9.03	32.53	9.31	1.51	-1.39	26.83
3,606.00	0.88	107.64	3,605.27	-9.76	33.58	10.04	0.56	0.14	-38.77
3,702.00	1.49	103.51	3,701.25	-10.27	35.50	10.57	0.64	0.64	-4.30
3,798.00	2.15	99.12	3,797.20	-10.85	38.49	11.18	0.70	0.69	-4.57
3,893.00	0.79	116.26	3,892.17	-11.42	40.84	11.77	1.49	-1.43	18.04
3,988.00	0.31	81.54	3,987.17	-11.67	41.68	12.03	0.59	-0.51	-36.55
4,084.00	0.35	115.99	4,083.17	-11.76	42.20	12.12	0.21	0.04	35.89
4,179.00	0.70	62.91	4,178.16	-11.63	42.98	11.99	0.59	0.37	-55.87
4,275.00	0.84	59.39	4,274.15	-11.00	44.11	11.38	0.15	0.15	-3.67
4,370.00	0.97	51.57	4,369.14	-10.15	45.34	10.53	0.19	0.14	-8.23
4,465.00	0.48	56.05	4,464.13	-9.42	46.30	9.82	0.52	-0.52	4.72
4,561.00	1.01	358.84	4,560.13	-8.35	46.61	8.75	0.89	0.55	-59.59
4,656.00	2.07	2.97	4,655.09	-5.80	46.68	6.20	1.12	1.12	4.35
4,752.00	0.62	307.42	4,751.06	-3.76	46.36	4.15	1.87	-1.51	-57.86
4,846.00	1.58	237.37	4,845.05	-4.15	44.87	4.53	1.58	1.02	-74.52
4,942.00	1.05	247.13	4,941.02	-5.20	42.94	5.57	0.60	-0.55	10.17
5,037.00	1.01	235.35	5,036.01	-6.02	41.45	6.37	0.23	-0.04	-12.40
5,132.00	1.10	226.12	5,130.99	-7.12	40.10	7.46	0.20	0.09	-9.72
5,227.00	1.32	228.41	5,225.97	-8.48	38.63	8.81	0.24	0.23	2.41
5,323.00	1.76	230.08	5,321.94	-10.16	36.67	10.47	0.46	0.46	1.74
5,387.00	2.11	232.45	5,385.90	-11.51	34.98	11.81	0.56	0.55	3.70
5,483.00	2.99	230.43	5,481.80	-14.18	31.65	14.45	0.92	0.92	-2.10
5,577.00	3.27	227.30	5,575.66	-17.56	27.79	17.80	0.35	0.30	-3.33
5,721.00	3.91	171.80	5,719.42	-25.21	25.47	25.43	2.35	0.44	-38.54
5,815.00	1.85	142.10	5,813.30	-29.58	26.86	29.81	2.64	-2.19	-31.60
5,911.00	1.80	353.39	5,909.28	-29.30	27.64	29.54	3.66	-0.05	-154.91
6,006.00	0.40	309.53	6,004.26	-27.61	27.21	27.84	1.62	-1.47	-46.17
6,102.00	0.40	258.55	6,100.26	-27.46	26.63	27.69	0.36	0.00	-53.10
6,198.00	0.57	248.09	6,196.26	-27.71	25.85	27.93	0.20	0.18	-10.90
6,294.00	0.44	256.57	6,292.25	-27.97	25.05	28.19	0.16	-0.14	8.83

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Wellbore:	Vitalizer State #1H	**Survey Calculation Method:**	Minimum Curvature
Design:	Vitalizer State #1H	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,389.00	0.62	240.89	6,387.25	-28.31	24.25	28.51	0.24	0.19	-16.51
6,485.00	0.66	226.56	6,483.24	-28.94	23.39	29.14	0.17	0.04	-14.93
6,581.00	0.57	228.32	6,579.24	-29.64	22.64	29.83	0.10	-0.09	1.83
6,676.00	0.53	235.09	6,674.23	-30.20	21.92	30.39	0.08	-0.04	7.13
6,772.00	0.70	254.42	6,770.23	-30.62	20.99	30.79	0.28	0.18	20.14
6,868.00	0.48	261.80	6,866.22	-30.83	20.03	31.00	0.24	-0.23	7.69
6,964.00	0.57	237.28	6,962.22	-31.15	19.23	31.31	0.25	0.09	-25.54
7,060.00	0.57	256.79	7,058.22	-31.51	18.36	31.67	0.20	0.00	20.32
7,156.00	0.44	257.94	7,154.21	-31.70	17.54	31.85	0.14	-0.14	1.20
7,252.00	0.48	234.82	7,250.21	-32.01	16.85	32.15	0.20	0.04	-24.08
7,349.00	0.40	225.68	7,347.21	-32.48	16.28	32.62	0.11	-0.08	-9.42
7,445.00	0.66	211.00	7,443.20	-33.19	15.75	33.32	0.30	0.27	-15.29
7,541.00	0.57	226.38	7,539.20	-33.99	15.12	34.12	0.20	-0.09	16.02
7,637.00	0.62	216.10	7,635.19	-34.74	14.47	34.86	0.12	0.05	-10.71
7,733.00	0.70	204.68	7,731.18	-35.69	13.92	35.81	0.16	0.08	-11.90
7,829.00	0.62	189.91	7,827.18	-36.74	13.58	36.85	0.20	-0.08	-15.39
7,925.00	0.53	175.76	7,923.17	-37.69	13.53	37.80	0.17	-0.09	-14.74
8,021.00	0.31	233.42	8,019.17	-38.29	13.35	38.40	0.47	-0.23	60.06
8,117.00	0.48	229.46	8,115.17	-38.70	12.84	38.81	0.18	0.18	-4.13
8,214.00	0.26	224.10	8,212.17	-39.13	12.38	39.23	0.23	-0.23	-5.53
8,309.00	0.26	237.37	8,307.17	-39.40	12.04	39.50	0.06	0.00	13.97
8,404.00	0.26	175.50	8,402.16	-39.73	11.88	39.83	0.28	0.00	-65.13
8,501.00	0.22	154.84	8,499.16	-40.12	11.98	40.22	0.10	-0.04	-21.30
8,596.00	0.35	151.77	8,594.16	-40.54	12.19	40.64	0.14	0.14	-3.23
8,692.00	0.57	126.10	8,690.16	-41.08	12.72	41.18	0.31	0.23	-26.74
8,787.00	0.79	117.05	8,785.15	-41.65	13.68	41.77	0.26	0.23	-9.53
8,882.00	1.10	134.98	8,880.14	-42.60	14.91	42.72	0.45	0.33	18.87
8,977.00	0.84	129.97	8,975.13	-43.69	16.09	43.82	0.29	-0.27	-5.27
9,072.00	1.19	124.08	9,070.11	-44.69	17.44	44.83	0.38	0.37	-6.20
9,167.00	0.84	31.36	9,165.10	-44.65	18.62	44.80	1.57	-0.37	-97.60
9,262.00	0.75	44.45	9,260.09	-43.61	19.42	43.77	0.21	-0.09	13.78
9,357.00	0.84	45.86	9,355.08	-42.68	20.35	42.85	0.10	0.09	1.48
9,452.00	0.79	90.59	9,450.07	-42.20	21.50	42.38	0.65	-0.05	47.08
9,547.00	0.92	127.86	9,545.06	-42.68	22.76	42.87	0.59	0.14	39.23
9,642.00	1.10	147.28	9,640.05	-43.91	23.86	44.11	0.40	0.19	20.44
9,737.00	1.54	178.75	9,735.03	-45.95	24.38	46.16	0.88	0.46	33.13
9,832.00	0.75	269.19	9,830.01	-47.24	23.78	47.44	1.81	-0.83	95.20
9,926.00	0.31	12.02	9,924.01	-47.00	23.22	47.20	0.93	-0.47	109.39
10,021.00	0.88	120.56	10,019.01	-47.12	23.90	47.32	1.08	0.60	114.25
10,116.00	1.14	96.31	10,113.99	-47.59	25.47	47.81	0.52	0.27	-25.53
10,211.00	1.45	100.53	10,208.97	-47.92	27.59	48.15	0.34	0.33	4.44
10,289.00	1.71	108.44	10,286.94	-48.47	29.67	48.72	0.43	0.33	10.14
10,402.00	8.92	165.04	10,399.42	-57.48	33.53	57.76	7.17	6.38	50.09
10,497.00	23.38	164.16	10,490.42	-82.86	40.62	83.20	15.22	15.22	-0.93
10,592.00	32.00	179.36	10,574.57	-126.30	46.06	126.69	11.67	9.07	16.00
10,687.00	45.19	184.02	10,648.67	-185.36	43.97	185.73	14.21	13.88	4.91
10,719.00	44.88	184.02	10,671.28	-207.94	42.38	208.30	0.97	-0.97	0.00
10,750.00	44.18	184.28	10,693.38	-229.63	40.81	229.97	2.33	-2.26	0.84
10,782.00	45.36	183.58	10,716.10	-252.11	39.27	252.43	4.00	3.69	-2.19
10,854.00	49.76	184.11	10,764.68	-305.11	35.70	305.40	6.14	6.11	0.74
10,877.00	51.38	183.32	10,779.28	-322.84	34.55	323.12	7.53	7.04	-3.43
10,922.00	57.49	181.91	10,805.45	-359.39	32.89	359.65	13.81	13.58	-3.13
10,940.00	59.91	181.38	10,814.80	-374.76	32.45	375.02	13.68	13.44	-2.94
10,969.00	63.03	180.51	10,828.65	-400.23	32.04	400.49	11.08	10.76	-3.00

Company:	GMT Exploration	**Local Co-ordinate Reference:**	Well Vitalizer State #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Site:	Vitalizer State #1H	**MD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Well:	Vitalizer State #1H	**North Reference:**	Grid
Wellbore:	Vitalizer State #1H	**Survey Calculation Method:**	Minimum Curvature
Design:	Vitalizer State #1H	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,016.00	63.60	180.15	10,849.75	-442.23	31.79	442.48	1.39	1.21	-0.77
11,067.00	69.32	182.18	10,870.12	-488.95	30.83	489.19	11.79	11.22	3.98
11,114.00	72.26	182.00	10,885.58	-533.30	29.21	533.53	6.27	6.26	-0.38
11,162.00	77.71	180.42	10,898.01	-579.63	28.24	579.85	11.79	11.35	-3.29
11,209.00	78.07	179.98	10,907.87	-625.58	28.08	625.80	1.19	0.77	-0.94
11,254.00	82.29	179.89	10,915.54	-669.91	28.13	670.13	9.38	9.38	-0.20
11,305.00	84.26	178.92	10,921.52	-720.56	28.66	720.77	4.30	3.86	-1.90
11,349.00	89.80	179.80	10,923.79	-764.48	29.14	764.70	12.75	12.59	2.00
11,405.00	90.48	179.36	10,923.66	-820.47	29.56	820.70	1.45	1.21	-0.79
11,485.00	90.89	179.43	10,922.70	-900.46	30.40	900.69	0.52	0.51	0.09
11,581.00	90.95	179.19	10,921.16	-996.44	31.56	996.68	0.26	0.06	-0.25
11,676.00	90.78	179.47	10,919.73	-1,091.43	32.67	1,091.67	0.34	-0.18	0.29
11,771.00	90.84	179.42	10,918.38	-1,186.41	33.59	1,186.66	0.08	0.06	-0.05
11,866.00	90.89	179.51	10,916.95	-1,281.40	34.47	1,281.65	0.11	0.05	0.09
11,961.00	90.82	179.92	10,915.53	-1,376.39	34.95	1,376.63	0.44	-0.07	0.43
12,057.00	90.89	179.83	10,914.10	-1,472.38	35.16	1,472.62	0.12	0.07	-0.09
12,152.00	90.89	180.14	10,912.62	-1,567.36	35.18	1,567.61	0.33	0.00	0.33
12,247.00	90.87	180.15	10,911.16	-1,662.35	34.94	1,662.59	0.02	-0.02	0.01
12,342.00	90.85	179.77	10,909.74	-1,757.34	35.01	1,757.58	0.40	-0.02	-0.40
12,437.00	90.89	179.93	10,908.30	-1,852.33	35.26	1,852.56	0.17	0.04	0.17
12,532.00	90.89	179.51	10,906.82	-1,947.32	35.72	1,947.55	0.44	0.00	-0.44
12,628.00	90.87	179.31	10,905.35	-2,043.30	36.71	2,043.54	0.21	-0.02	-0.21
12,723.00	90.95	179.12	10,903.84	-2,138.28	38.01	2,138.53	0.22	0.08	-0.20
12,818.00	90.90	179.13	10,902.30	-2,233.26	39.46	2,233.51	0.05	-0.05	0.01
12,913.00	90.90	178.97	10,900.81	-2,328.23	41.03	2,328.50	0.17	0.00	-0.17
13,008.00	90.91	179.19	10,899.31	-2,423.21	42.56	2,423.48	0.23	0.01	0.23
13,104.00	90.87	179.83	10,897.82	-2,519.19	43.38	2,519.47	0.67	-0.04	0.67
13,199.00	91.11	181.12	10,896.18	-2,614.17	42.59	2,614.44	1.38	0.25	1.36
13,294.00	92.82	182.64	10,892.92	-2,709.06	39.48	2,709.30	2.41	1.80	1.60
13,389.00	93.86	184.02	10,887.38	-2,803.73	33.97	2,803.92	1.82	1.09	1.45
13,484.00	95.33	185.50	10,879.77	-2,898.10	26.11	2,898.21	2.19	1.55	1.56
13,579.00	95.88	184.56	10,870.50	-2,992.28	17.83	2,992.32	1.14	0.58	-0.99
13,674.00	97.24	179.48	10,859.64	-3,086.56	14.49	3,086.57	5.50	1.43	-5.35
13,769.00	95.83	175.23	10,848.82	-3,180.82	18.85	3,180.87	4.69	-1.48	-4.47
13,864.00	93.72	174.96	10,840.91	-3,275.14	26.95	3,275.25	2.24	-2.22	-0.28
13,960.00	93.53	176.85	10,834.84	-3,370.70	33.79	3,370.86	1.97	-0.20	1.97
14,055.00	92.63	178.89	10,829.74	-3,465.49	37.31	3,465.68	2.34	-0.95	2.15
14,150.00	92.91	179.67	10,825.14	-3,560.37	38.51	3,560.57	0.87	0.29	0.82
14,245.00	92.80	180.14	10,820.41	-3,655.25	38.66	3,655.45	0.51	-0.12	0.49
14,340.00	92.32	180.08	10,816.17	-3,750.16	38.48	3,750.35	0.51	-0.51	-0.06
14,435.00	92.36	180.17	10,812.29	-3,845.08	38.27	3,845.26	0.10	0.04	0.09
14,531.00	92.38	180.68	10,808.32	-3,940.99	37.56	3,941.17	0.53	0.02	0.53
14,626.00	92.16	181.44	10,804.56	-4,035.90	35.81	4,036.06	0.83	-0.23	0.80
14,721.00	91.90	181.45	10,801.19	-4,130.81	33.41	4,130.94	0.27	-0.27	0.01
14,816.00	91.75	181.37	10,798.17	-4,225.73	31.08	4,225.84	0.18	-0.16	-0.08
14,911.00	90.85	180.14	10,796.01	-4,320.70	29.82	4,320.79	1.60	-0.95	-1.29
15,006.00	89.33	179.89	10,795.86	-4,415.69	29.80	4,415.79	1.62	-1.60	-0.26
15,101.00	89.35	179.13	10,796.96	-4,510.68	30.61	4,510.78	0.80	0.02	-0.80
15,197.00	89.37	178.86	10,798.03	-4,606.66	32.30	4,606.77	0.28	0.02	-0.28
LAST SVY									
15,271.00	89.35	178.91	10,798.86	-4,680.64	33.74	4,680.76	0.07	-0.03	0.07
PROJ SVY									
15,341.00	89.35	178.91	10,799.65	-4,750.63	35.07	4,750.75	0.00	0.00	0.00

Company:	GMT Exploration	**Local Co-ordinate Reference:**	Well Vitalizer State #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Site:	Vitalizer State #1H	**MD Reference:**	WELL @ 3702.00ft (Original Well Elev)
Well:	Vitalizer State #1H	**North Reference:**	Grid
Wellbore:	Vitalizer State #1H	**Survey Calculation Method:**	Minimum Curvature
Design:	Vitalizer State #1H	**Database:**	EDM 5000.1 Single User Db

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Vitalizer State #1	0.00	0.00	10,680.00	-4,750.75	40.42	520,847.14	803,918.66	32° 25' 44.400 N	103° 28' 56.250 W
- survey misses target center by 119.76ft at 15339.86ft MD (10799.64 TVD, -4749.49 N, 35.05 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
15,271.00	10,798.86	-4,680.64	33.74	LAST SVY
15,341.00	10,799.65	-4,750.63	35.07	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____