

Results of Directional Survey

API number:	30-025-40396		
OGRID:		Operator:	GMT EXPLORATION COMPANY LLC
		Property:	PRYOR STATE # 1H

surface	ULSTR:	M	36	T 22S	R 34E
				330 FSL	430 FWL

BH Loc	ULSTR:	D	36	T 22S	R 34E
13327	MD	8825.7	TVD	378 FNL	453 FWL
				4902 FSL	

Top Perf/OH	ULSTR:	M	36	T 22S	R 34E
8865	MD	8823.6	TVD	491 FSL	410 FWL

Bot Perf/OH	ULSTR:	D	36	T 22S	R 34E
13182	MD	8833.2	TVD	522 FNL	443 FWL
				4758 FSL	

	MD	N/S	E/W	VD
	8852	152.50	-19.50	8813.6
TOP PERFS/OH	8865	160.79	-20.31	8823.59
	8884	172.90	-21.50	8838.20
	13109	4354.80	8.50	8836.60
BOT PERFS/OH	13182	4427.57	12.93	8833.03
	13203	4448.50	14.20	8832.00

NEXT TO LAST	13275	4520.20	19.40	8828.40
LAST READING	13327	4572.00	23.40	8825.70
TD	13327	4572.00	23.40	8825.70

Surface Location	330 FS	430 FW
Projected BHL	4902 FS	453 FW
Location of		
Top Perfs/OH	491 FS	410 FW
Bottom Perfs/OH	4758 FS	443 FW

SUMMARY of Subsurface Locations

Surface Location	M-36-22S-34E	330 FS	430 FW	Vert. Depth
Top Perfs/OH	M-36-22S-34E	491 FS	410 FW	8823.59
Bottom Perfs/OH	D-36-22S-34E	4758 FS	443 FW	8833.03
Projected TD	D-36-22S-34E	4902 FS	453 FW	8825.70



McVAY DRILLING COMPANY
P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

HOBBS-66D

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APR 12 2012

Well Name and Num: Pryor State #1H
Location: Sec. 36, T22S, R34E
Operator: GMT
Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

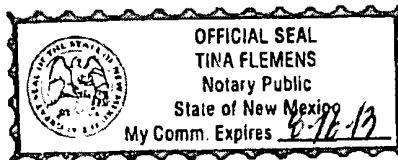
Degrees @	Depth	Degrees @	Depth	Degrees @	Depth	Degrees @	Depth
0.74	205	1.87	4064	1.85	9100	90.40	10369
0.89	467	1.40	4153	1.85	9289	93.12	10559
1.50	585	1.58	4287	2.37	9478	92.33	10844
0.72	1026	1.26	4657	2.90	9665	91.54	11224
1.62	1439	0.58	4888	3.03	9853	92.24	11508
2.00	1565	0.97	5378	2.90	10041	91.98	11783
2.00	1692	0.79	5512	2.64	10419	92.95	12267
1.23	2072	0.70	5702	2.73	8440	92.42	12454
1.13	2325	0.62	6082	24.80	8662	93.83	12040
0.42	2578	0.40	6451	33.59	8788	93.47	12827
0.80	2830	0.26	6841	40.04	8915	94.35	12921
0.97	3147	0.70	7407	71.40	9074	92.95	13015
3.75	3558	0.09	7220	81.87	9168	93.03	13327
3.52	3652	1.30	7594	86.87	9232		
2.57	3747	1.85	7669	89.78	9263		
2.29	3842	1.41	8344	91.36	9325		
2.77	3959	1.00	8722	90.66	9799		

SUR: M-36-22S-34E, 330/S & 430/W
BHL: D-36-22S-34E, 4902/S & 453/W
API # 30-025-40396

By Hurley Clough

Subscribed and sworn to before me this 9th day of April 2012

Tina Flemens
Notary Public, Lea County, New Mexico



HOBBS OGD

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GMT Exploration

Ojo Chiso
Lea County, NM
Pryor State #1H
VH - Job #32K0312354

SUR: M-36-22S-34E, 330/S & 430/W
BHL:D-36-22S-34E, 4902/S & 453/W
API # 30-025-40396

Survey: Gyro

SDI Standard Survey Report

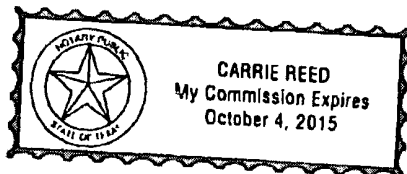
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date *End* of *April*, 2012.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company: GMT Exploration
Project: Ojo Chiso
Site: Lea County, NM
Well: Pryor State #1H
Wellbore: VH - Job #32K0312354
Design: VH - Job #32K0312354

Local Co-ordinate Reference: Well Pryor State #1H
TVD Reference: WELL @ 0 0usft (Original Well Elev)
MD Reference: WELL @ 0 0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM-Regulatory

Project: Ojo Chiso
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:** 489,243 94 usft **Latitude:** 32° 20' 30 550 N
From: Lat/Long **Easting:** 778,705 73 usft **Longitude:** 103° 25' 51 310 W
Position Uncertainty: 0 0 usft **Slot Radius:** 13-3/16" **Grid Convergence:** 0 48 "

Well: Pryor State #1H, Directional (Pathfinder)
Well Position: **+N/-S** 0 0 usft **Northing:** 489,243 94 usft **Latitude:** 32° 20' 30 550 N
+E/-W 0 0 usft **Easting:** 778,705 73 usft **Longitude:** 103° 25' 51 310 W
Position Uncertainty: 0 0 usft **Wellhead Elevation:** usft **Ground Level:** 0 0 usft

Wellbore: VH - Job #32K0312354
Magnetics: **Model Name** **Sample Date** **Declination** **Dip Angle** **Field Strength**
(nT)
IGRF2010 3/25/2012 7 44 60 30 48,651

Design: VH - Job #32K0312354
Audit Notes:
Version: 1 0 **Phase:** ACTUAL **Tie On Depth:** 0 0
Vertical Section: **Depth From (TVD)** **+N/-S** **+E/-W** **Direction**
(usft) (usft) (usft) (°)
0 0 0 0 359 64

Survey Program **Date** 4/10/2012
From **To**
(usft) (usft)
100 0 9 000 0 Gyro (VH - Job #32K0312354)
Tool Name **Description**
Keeper Keeper Gyro

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (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 33	157 15	100 0	0 3	0 1	157 15	0 3
200 0	0 46	179 98	200 0	-0 9	0 2	169 50	1 0
300 0	0 51	184 63	300 0	-1 8	0 2	173 96	1 8
400 0	0 88	200 62	400 0	-2 9	-0 1	182 31	2 9
500 0	0 96	205 05	500 0	-4 4	-0 7	189 55	4 5
600 0	0 85	192 60	600 0	-5 9	-1 3	192 05	6 0
700 0	0 78	181 78	700 0	-7 3	-1 4	191 17	7 4
800 0	0 62	150 26	799 9	-8 5	-1 2	188 05	8 5
900 0	0 86	125 34	899 9	-9 4	-0 3	181 93	9 4
1,000 0	0 85	142 45	999 9	-10 4	0 7	175 87	10 4
1,100 0	0 90	156 61	1,099 9	-11 7	1 5	172 63	11 8

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company: GMT Exploration
Project: Ojo Chiso
Site: Lea County, NM
Well: Pryor State #1H
Wellbore: VH - Job #32K0312354
Design: VH - Job #32K0312354

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well Pryor State #1H
WELL @ 0 0usft (Original Well Elev)
WELL @ 0 0usft (Original Well Elev)
Grid
Minimum Curvature
EDM-Regulatory

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.0	1.11	182.49	1,199.9	13.4	1.8	172.41	13.5
1,300.0	1.31	188.52	1,299.9	-15.5	1.6	174.20	15.6
1,400.0	1.83	190.12	1,399.8	-18.0	1.2	176.34	18.0
1,500.0	1.78	198.20	1,499.8	-20.9	0.4	178.84	20.9
1,600.0	1.78	208.24	1,599.8	-23.7	-0.8	181.91	23.7
1,700.0	1.79	217.01	1,699.7	-26.3	-2.5	185.36	26.4
1,800.0	1.88	221.40	1,799.6	-28.9	-4.5	188.96	29.2
1,900.0	1.84	220.93	1,899.6	-31.4	-6.7	192.14	32.1
2,000.0	1.13	237.08	1,999.6	-33.1	-8.6	194.60	34.2
2,100.0	1.07	241.25	2,099.5	-34.1	-10.3	196.76	35.6
2,200.0	1.01	246.29	2,199.5	-34.9	-11.9	198.82	36.9
2,300.0	0.88	251.74	2,299.5	-35.5	-13.4	200.73	37.9
2,400.0	0.79	249.86	2,399.5	-36.0	-14.8	202.37	38.9
2,500.0	0.73	256.77	2,499.5	-36.4	-16.1	203.85	39.8
2,600.0	0.67	269.75	2,599.5	-36.5	-17.3	205.33	40.4
2,700.0	0.68	276.86	2,699.5	-36.4	-18.5	206.86	40.8
2,800.0	0.69	280.50	2,799.5	-36.3	-19.6	208.44	41.2
2,900.0	0.73	275.86	2,899.5	-36.1	-20.9	210.03	41.7
3,000.0	0.76	281.39	2,999.5	-35.9	-22.1	211.68	42.2
3,100.0	0.62	307.98	3,099.4	-35.4	-23.2	213.25	42.4
3,200.0	0.73	3.35	3,199.4	-34.5	-23.6	214.42	41.8
3,300.0	1.40	27.04	3,299.4	-32.7	-23.0	215.12	40.0
3,400.0	1.96	29.36	3,399.4	-30.2	-21.6	215.85	37.1
3,500.0	2.86	27.40	3,499.3	-26.4	-19.6	216.59	32.9
3,600.0	3.18	30.13	3,599.2	-21.8	-17.1	218.06	27.7
3,700.0	2.61	38.79	3,699.0	-17.7	-14.3	218.96	22.7
3,800.0	2.30	42.64	3,798.9	-14.4	-11.5	218.58	18.4
3,900.0	2.17	47.31	3,898.9	-11.6	-8.7	216.89	14.6
4,000.0	1.89	47.89	3,998.8	-9.3	-6.1	213.49	11.1
4,100.0	1.58	48.62	4,098.7	-7.2	-3.9	208.11	8.2
4,200.0	1.38	40.68	4,198.7	-5.4	-2.0	200.71	5.8
4,300.0	1.08	39.04	4,298.7	-3.8	-0.7	190.07	3.8
4,400.0	0.91	36.03	4,398.7	-2.4	0.4	170.74	2.4
4,500.0	0.78	31.01	4,498.7	-1.2	1.2	134.10	1.7
4,600.0	0.74	43.04	4,598.7	-0.1	2.0	93.32	2.0
4,700.0	0.95	54.15	4,698.6	0.8	3.1	74.87	3.2
4,800.0	0.99	40.22	4,798.6	2.0	4.3	65.42	4.8
4,900.0	1.11	40.63	4,898.6	3.4	5.5	58.56	6.5
5,000.0	1.08	45.96	4,998.6	4.8	6.8	55.10	8.3
5,100.0	1.12	54.94	5,098.6	6.0	8.3	54.25	10.2
5,200.0	0.87	56.72	5,198.6	7.0	9.8	54.46	12.0
5,300.0	0.82	58.42	5,298.6	7.8	11.0	54.80	13.5
5,400.0	0.83	60.89	5,398.5	8.5	12.2	55.27	14.9
5,500.0	0.70	58.43	5,498.5	9.2	13.4	55.64	16.2

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company: GMT Exploration
Project: Ojo Chiso
Site: Lea County, NM
Well: Pryor State #1H
Wellbore: VH - Job #32K0312354
Design: VH - Job #32K0312354

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well: Pryor State #1H
WELL @ 0 0usft (Original Well Elev)
WELL @ 0 0usft (Original Well Elev)
Gnd
Minimum Curvature
EDM-Regulatory

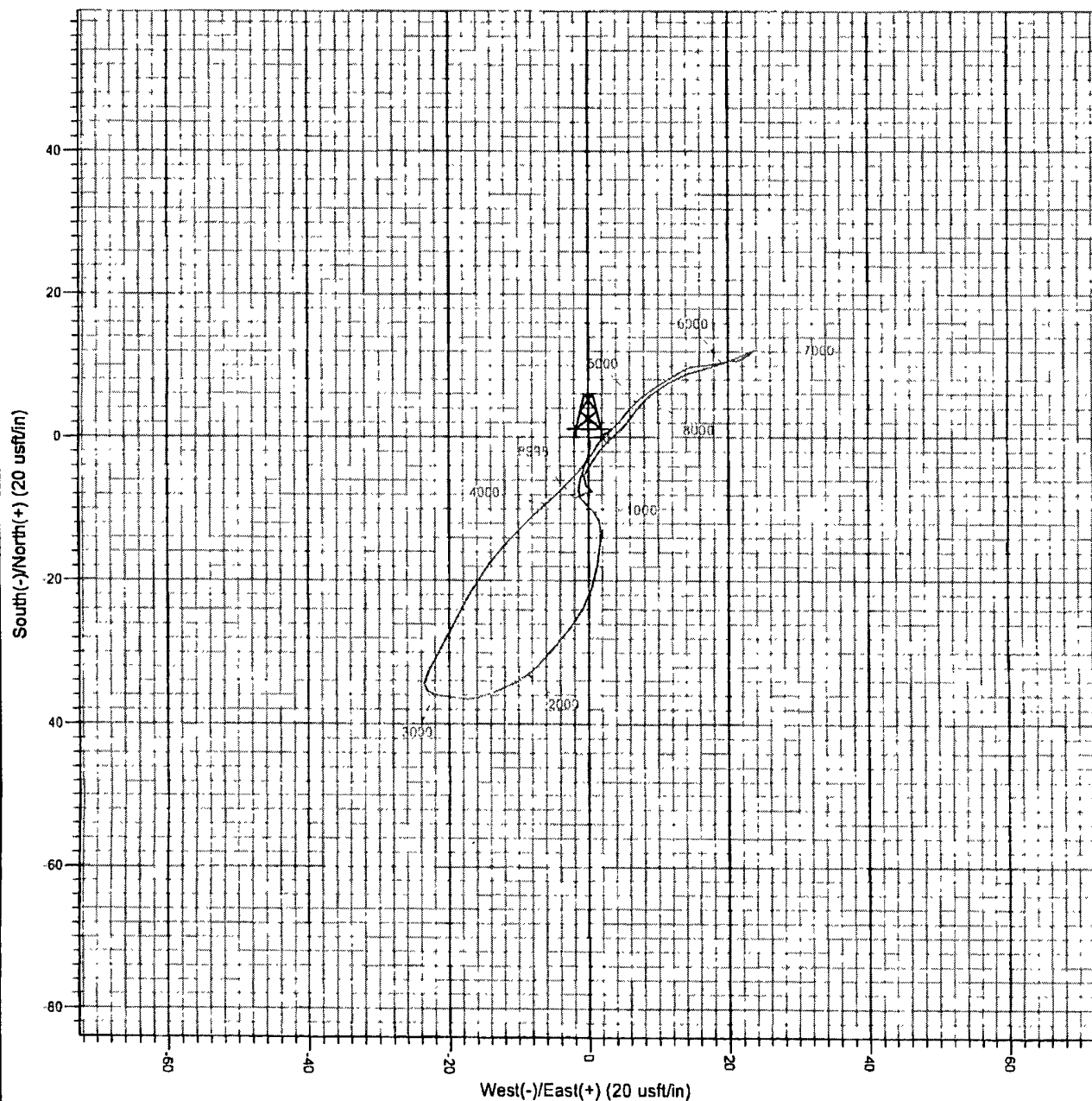
Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600 0	0 70	71 50	5 598 5	9 7	14 5	56 28	17 4
5,700 0	0 66	84 48	5 698 5	9 9	15 6	57 62	18 5
5,800 0	0 67	88 51	5 798 5	10 0	16 8	59 26	19 5
5,900 0	0 69	76 70	5 898 5	10 1	18 0	60 56	20 6
6,000 0	0 62	76 10	5 998 5	10 4	19 1	61 38	21 7
6,100 0	0 51	81 33	6 098 5	10 6	20 0	62 11	22 7
6,200 0	0 30	105 71	6 198 5	10 6	20 7	62 92	23 3
6,300 0	0 37	82 76	6 298 5	10 6	21 3	63 61	23 8
6,400 0	0 34	51 50	6 398 5	10 8	21 9	63 71	24 4
6,500 0	0 24	54 59	6 498 5	11 1	22 3	63 49	24 9
6,600 0	0 40	66 77	6 598 5	11 4	22 6	63 46	25 4
6,700 0	0 39	40 11	6 698 5	11 8	23 3	63 21	26 1
6,800 0	0 16	54 86	6 798 5	12 1	23 6	62 88	26 6
6,900 0	0 16	114 89	6 898 5	12 1	23 9	63 07	26 8
7,000 0	0 12	75 48	6 998 5	12 1	24 1	63 35	27 0
7,100 0	0 17	231 44	7 098 5	12 0	24 1	63 47	26 9
7,200 0	0 08	291 11	7 198 5	12 0	23 9	63 42	26 7
7,300 0	0 35	262 54	7 298 5	11 9	23 5	63 09	26 4
7,400 0	0 64	244 17	7 398 5	11 7	22 7	62 84	25 5
7,500 0	1 10	248 83	7 498 5	11 1	21 3	62 57	24 0
7,600 0	1 40	251 98	7 598 4	10 3	19 3	61 77	21 9
7,700 0	1 53	250 48	7 698 4	9 5	16 9	60 54	19 4
7,800 0	1 78	255 37	7 798 4	8 7	14 1	58 36	16 6
7,900 0	1 83	237 11	7 898 3	7 4	11 3	56 58	13 5
8,000 0	1 88	233 26	7 998 3	5 6	8 6	57 03	10 2
8,100 0	1 30	207 60	8 098 2	3 8	6 8	62 01	7 7
8,200 0	1 39	223 16	8 198 2	1 7	5 4	72 52	5 7
8,300 0	1 57	234 09	8 298 2	0 0	3 5	89 78	3 5
8,400 0	1 28	213 58	8 398 1	-1 7	1 7	134 74	2 4
8,500 0	1 37	218 65	8 498 1	-3 8	0 4	174 08	3 6
8,600 0	1 03	203 99	8 598 1	-5 3	-0 7	187 89	5 4
8,700 0	1 16	130 34	8 698 1	-6 8	0 3	182 81	6 8
8,800 0	0 06	115 24	8 798 1	-7 5	0 5	178 18	7 5
8,900 0	1 07	257 85	8 898 1	-7 7	-0 3	182 59	7 7
9,000 0	1 04	232 51	8 998 0	8 5	2 0	193 16	8 7



WELL DETAILS: Pryor State #1H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	489243.94	778705.73	32° 20' 30.550 N	103° 25' 51.310 W	



PROJECT DETAILS: Ojo Chiso		SITE DETAILS: Lea County, NM	
Geodetic System:	US State Plane 1927 (Exact solution)	Site Centre Latitude:	32° 20' 30.550 N
Datum:	NAD 1927 (NADCON CONUS)	Longitude:	103° 25' 51.310 W
Ellipsoid:	Clarke 1866	Positional Uncertainty:	0.0
Zone:	New Mexico East 3001	Convergence:	0.48
System Datum:	Mean Sea Level	Local North:	Grid



GMT
Exploration Company LLC

GMT Exploration, LLC.

Lea County (NAD83)

Pryor State

#1H

OH

Design: OH

PathfinderX & Y Report

09 April, 2012

SUR: M-36-22S-34E, 330/S & 430/W
BHL:D-36-22S-34E, 4902/S & 453/W
API # 30-025-40396

PATHFINDER®

A Schlumberger Company

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OCT 11 2012

HOBBS OCD

Company: GMT Exploration, LLC.
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18 @ 3398.0usft (McVay #4)
MD Reference: KB = 18 @ 3398.0usft (McVay #4)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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

Site: Pryor State

Site Position: Northing: 489,260.093 usft Latitude: 32.342
From: Map Easting: 820,036.375 usft Longitude: -103.431
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.48°

Well: #1H

Well Position: +N-S 0.0 usft Northing: 489,260.093 usft Latitude: 32.342
+E-W 0.0 usft Easting: 820,036.375 usft Longitude: -103.431
Position Uncertainty: 0.0 usft Wellhead Elevation: usft Ground Level: 3,380.0 usft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/20/2012	7.45	60.33	48,681

Design: OH

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	359.64

Company: GMT Exploration, LLC.
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18 @ 3398.0usft (McVay #4)
MD Reference: KB = 18 @ 3398.0usft (McVay #4)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey Program Date 4/9/2012

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,400.0	Gyro #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
8,440.0	13,327.0	MWD #1 (OH)	MWD	MWD - Standard

Survey

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLog ("/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-3,398.0	0.0	0.0	0.0	0.00	489,250.09	820,036.38
100.0	0.33	157.15	100.0	-3,298.0	-0.3	0.1	-0.3	0.33	489,259.83	820,036.49
200.0	0.46	179.98	200.0	-3,198.0	-0.9	0.2	-0.9	0.20	489,259.16	820,036.60
300.0	0.51	184.63	300.0	-3,098.0	-1.8	0.2	-1.8	0.06	489,258.32	820,036.56
400.0	0.88	200.62	400.0	-2,998.0	-2.9	-0.1	-2.9	0.41	489,257.15	820,036.26
500.0	0.96	205.05	500.0	-2,898.0	-4.4	-0.7	-4.4	0.11	489,255.68	820,035.63
600.0	0.85	192.60	600.0	-2,798.0	-5.9	-1.3	-5.9	0.22	489,254.19	820,035.12
700.0	0.78	181.78	700.0	-2,698.0	-7.3	-1.4	-7.3	0.17	489,252.79	820,034.93
800.0	0.62	150.26	799.9	-2,598.1	-8.5	-1.2	-8.4	0.41	489,251.64	820,035.18
900.0	0.86	125.34	899.9	-2,498.1	-9.4	-0.3	-9.4	0.40	489,250.73	820,036.06
1,000.0	0.85	142.45	999.9	-2,398.1	-10.4	0.7	-10.4	0.25	489,249.71	820,037.12
1,100.0	0.90	156.61	1,099.9	-2,298.1	-11.7	1.5	-11.7	0.22	489,248.40	820,037.89
1,200.0	1.11	182.49	1,199.9	-2,198.1	-13.4	1.8	-13.4	0.49	489,246.72	820,038.16
1,300.0	1.31	188.52	1,299.9	-2,098.1	-15.5	1.6	-15.5	0.24	489,244.62	820,037.95
1,400.0	1.63	190.12	1,399.8	-1,998.2	-18.0	1.2	-18.0	0.32	489,242.09	820,037.53
1,500.0	1.76	198.20	1,499.8	-1,898.2	-20.9	0.4	-20.9	0.27	489,239.23	820,036.80
1,600.0	1.78	208.24	1,599.8	-1,798.2	-23.7	-0.8	-23.7	0.31	489,236.40	820,035.58
1,700.0	1.79	217.01	1,699.7	-1,698.3	-26.3	-2.5	-26.3	0.27	489,233.79	820,033.91
1,800.0	1.98	221.40	1,799.6	-1,598.4	-28.9	-4.5	-28.8	0.24	489,231.24	820,031.83
1,900.0	1.84	220.93	1,899.6	-1,498.4	-31.4	-6.7	-31.3	0.14	489,228.73	820,029.63
2,000.0	1.13	237.08	1,999.6	-1,398.4	-33.1	-8.6	-33.1	0.82	489,226.98	820,027.75

Company: GMT Exploration, LLC.
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 18 @ 3398.0usft (McVay #4)
KB = 18 @ 3398.0usft (McVay #4)
Grid:
Minimum Curvature
EDM 5000.1 Single User.Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,100.0	1.07	241.25	2,099.5	-1,298.5	-34.1	-10.3	-34.0	0.10	489,226.00	820,026.11
2,200.0	1.01	246.29	2,199.5	-1,198.5	-34.9	-11.9	-34.8	0.11	489,225.20	820,024.48
2,300.0	0.88	251.74	2,299.5	-1,098.5	-35.5	-13.4	-35.4	0.16	489,224.60	820,022.94
2,400.0	0.79	249.66	2,399.5	-998.5	-36.0	-14.8	-35.9	0.09	489,224.12	820,021.57
2,500.0	0.73	256.77	2,499.5	-898.5	-36.4	-16.1	-36.3	0.11	489,223.74	820,020.30
2,600.0	0.67	269.75	2,599.5	-798.5	-36.5	-17.3	-36.4	0.17	489,223.59	820,019.10
2,700.0	0.68	276.86	2,699.5	-698.5	-36.4	-18.5	-36.3	0.08	489,223.66	820,017.92
2,800.0	0.69	280.50	2,799.5	-598.5	-36.3	-19.6	-36.1	0.04	489,223.84	820,016.74
2,900.0	0.73	275.86	2,899.5	-498.5	-36.1	-20.9	-35.9	0.07	489,224.01	820,015.52
3,000.0	0.76	281.39	2,999.5	-398.5	-35.9	-22.1	-35.7	0.08	489,224.21	820,014.23
3,100.0	0.62	307.98	3,099.4	-298.6	-35.4	-23.2	-35.3	0.35	489,224.67	820,013.16
3,200.0	0.73	3.35	3,199.4	-198.6	-34.5	-23.6	-34.3	0.63	489,225.64	820,012.77
3,300.0	1.40	27.04	3,299.4	-98.6	-32.7	-23.0	-32.6	0.79	489,227.36	820,013.36
3,400.0	1.96	29.36	3,399.4	1.4	-30.2	-21.6	-30.0	0.56	489,229.94	820,014.75
3,500.0	2.86	27.40	3,499.3	101.3	-26.4	-19.6	-26.3	0.90	489,233.65	820,016.74
3,600.0	3.18	30.13	3,599.2	201.2	-21.8	-17.1	-21.7	0.35	489,238.26	820,019.28
3,700.0	2.61	38.79	3,699.0	301.0	-17.7	-14.3	-17.6	0.72	489,242.44	820,022.10
3,800.0	2.30	42.64	3,798.9	400.9	-14.4	-11.5	-14.3	0.35	489,245.69	820,024.88
3,900.0	2.17	47.31	3,898.9	500.9	-11.6	-8.7	-11.6	0.22	489,248.45	820,027.63
4,000.0	1.89	47.89	3,998.8	600.8	-9.3	-6.1	-9.2	0.28	489,250.84	820,030.25
4,100.0	1.58	48.62	4,098.7	700.7	-7.2	-3.9	-7.2	0.31	489,252.85	820,032.51
4,200.0	1.38	40.68	4,198.7	800.7	-5.4	-2.0	-5.4	0.29	489,254.68	820,034.33
4,300.0	1.08	39.04	4,298.7	900.7	-3.8	-0.7	-3.8	0.30	489,256.32	820,035.71
4,400.0	0.91	36.03	4,398.7	1,000.7	-2.4	0.4	-2.4	0.18	489,257.70	820,036.77
4,500.0	0.78	31.01	4,498.7	1,100.7	-1.2	1.2	-1.2	0.15	489,258.92	820,037.58
4,600.0	0.74	43.04	4,598.7	1,200.7	-0.1	2.0	-0.1	0.16	489,259.98	820,038.38
4,700.0	0.95	54.15	4,698.6	1,300.6	0.8	3.1	0.8	0.27	489,260.93	820,039.49

Company: GMT Exploration, LLC.
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18 @ 3398.0usft (McVay #4)
MD Reference: KB = 18 @ 3398.0usft (McVay #4)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User.Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLog (°/100usft)	Northing (usft)	Easting (usft)
4,800.0	0.99	40.22	4,798.6	1,400.6	2.0	4.3	2.0	0.24	489,262.08	820,040.72
4,900.0	1.11	40.63	4,898.6	1,500.6	3.4	5.5	3.3	0.12	489,263.47	820,041.91
5,000.0	1.08	45.96	4,998.6	1,600.6	4.8	6.8	4.7	0.11	489,264.86	820,043.21
5,100.0	1.12	54.94	5,098.6	1,700.6	6.0	8.3	5.9	0.18	489,266.08	820,044.69
5,200.0	0.87	56.72	5,198.6	1,800.6	7.0	9.8	6.9	0.25	489,267.06	820,046.13
5,300.0	0.82	58.42	5,298.6	1,900.6	7.8	11.0	7.7	0.06	489,267.85	820,047.37
5,400.0	0.83	60.89	5,398.5	2,000.5	8.5	12.2	8.4	0.04	489,268.58	820,048.61
5,500.0	0.70	58.43	5,498.5	2,100.5	9.2	13.4	9.1	0.13	489,269.25	820,049.77
5,600.0	0.70	71.50	5,598.5	2,200.5	9.7	14.5	9.6	0.16	489,269.76	820,050.87
5,700.0	0.66	84.48	5,698.5	2,300.5	9.9	15.6	9.8	0.16	489,270.01	820,052.02
5,800.0	0.67	88.51	5,798.5	2,400.5	10.0	16.8	9.9	0.05	489,270.08	820,053.18
5,900.0	0.69	76.70	5,898.5	2,500.5	10.1	18.0	10.0	0.14	489,270.24	820,054.35
6,000.0	0.62	76.10	5,998.5	2,600.5	10.4	19.1	10.3	0.07	489,270.51	820,055.46
6,100.0	0.51	81.33	6,098.5	2,700.5	10.6	20.0	10.5	0.12	489,270.70	820,056.42
6,200.0	0.30	105.71	6,198.5	2,800.5	10.6	20.7	10.5	0.27	489,270.70	820,057.12
6,300.0	0.37	82.76	6,298.5	2,900.5	10.6	21.3	10.4	0.15	489,270.67	820,057.69
6,400.0	0.34	51.50	6,398.5	3,000.5	10.8	21.9	10.7	0.19	489,270.89	820,058.24
6,500.0	0.24	54.59	6,498.5	3,100.5	11.1	22.3	11.0	0.10	489,271.20	820,058.84
6,600.0	0.40	66.77	6,598.5	3,200.5	11.4	22.8	11.2	0.17	489,271.46	820,059.13
6,700.0	0.39	40.11	6,698.5	3,300.5	11.8	23.3	11.6	0.18	489,271.86	820,059.67
6,800.0	0.16	54.86	6,798.5	3,400.5	12.1	23.6	12.0	0.24	489,272.20	820,060.01
6,900.0	0.16	114.89	6,898.5	3,500.5	12.1	23.9	12.0	0.16	489,272.22	820,060.25
7,000.0	0.12	75.48	6,998.5	3,600.5	12.1	24.1	11.9	0.10	489,272.19	820,060.48
7,100.0	0.17	231.44	7,098.5	3,700.5	12.0	24.1	11.9	0.28	489,272.12	820,060.46
7,200.0	0.08	291.11	7,198.5	3,800.5	12.0	23.9	11.8	0.15	489,272.05	820,060.28
7,300.0	0.35	262.54	7,298.5	3,900.5	11.9	23.5	11.8	0.28	489,272.04	820,059.91
7,400.0	0.64	244.17	7,398.5	4,000.5	11.7	22.7	11.5	0.33	489,271.76	820,059.11

Company: GMT Exploration, LLC.
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18 @ 3398.0usft (McVay #4)
MD Reference: KB = 18 @ 3398.0usft (McVay #4)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLag (°/100usft)	Northing (usft)	Easting (usft)
7,500.0	1.10	248.83	7,498.5	4,100.5	11.1	21.3	10.9	0.47	489,271.17	820,057.71
7,600.0	1.40	251.98	7,598.4	4,200.4	10.3	19.3	10.2	0.31	489,270.44	820,055.65
7,700.0	1.53	250.48	7,698.4	4,300.4	9.5	16.9	9.4	0.14	489,269.62	820,053.23
7,800.0	1.78	255.37	7,798.4	4,400.4	8.7	14.1	8.6	0.29	489,268.78	820,050.47
7,900.0	1.83	237.11	7,898.3	4,500.3	7.4	11.3	7.4	0.57	489,267.52	820,047.63
8,000.0	1.88	233.26	7,998.3	4,600.3	5.6	8.6	5.5	0.13	489,265.67	820,044.97
8,100.0	1.30	207.60	8,098.2	4,700.2	3.6	6.8	3.5	0.90	489,263.68	820,043.13
8,200.0	1.39	223.16	8,198.2	4,800.2	1.7	5.4	1.7	0.37	489,261.79	820,041.78
8,300.0	1.57	234.09	8,298.2	4,900.2	0.0	3.5	0.0	0.33	489,260.11	820,039.84
8,400.0	1.28	213.58	8,398.1	5,000.1	-1.7	1.7	-1.7	0.58	489,258.37	820,038.11
8,440.0	2.73	336.45	8,438.1	5,040.1	-1.2	1.1	-1.2	8.97	489,258.87	820,037.48
KOP - 8440.0 MD, 8438.1 TVD, -1.2 N, 1.1 E										
8,472.0	6.86	342.52	8,470.0	5,072.0	1.3	0.2	1.3	12.99	489,261.40	820,036.60
8,503.0	11.87	348.58	8,500.6	5,102.6	6.2	-1.0	6.2	16.45	489,266.29	820,035.42
8,535.0	14.86	350.25	8,531.7	5,133.7	13.5	-2.3	13.5	9.42	489,273.56	820,034.07
8,567.0	16.97	350.16	8,562.5	5,164.5	22.1	-3.8	22.1	6.59	489,282.21	820,032.58
8,598.0	18.73	349.99	8,592.0	5,194.0	31.5	-5.4	31.5	5.68	489,291.57	820,030.94
8,630.0	21.72	350.51	8,622.0	5,224.0	42.4	-7.3	42.4	9.36	489,302.47	820,029.07
8,662.0	24.80	350.60	8,651.4	5,253.4	54.8	-9.4	54.9	9.63	489,314.93	820,027.00
8,693.0	27.96	352.10	8,679.2	5,281.2	68.5	-11.4	68.5	10.42	489,328.55	820,024.93
8,725.0	29.02	352.45	8,707.3	5,309.3	83.6	-13.5	83.7	3.35	489,343.68	820,022.88
8,757.0	30.34	354.73	8,735.1	5,337.1	99.3	-15.3	99.4	5.43	489,359.42	820,021.12
8,788.0	33.59	355.70	8,761.4	5,363.4	115.7	-16.6	115.8	10.61	489,375.77	820,019.76
8,820.0	35.00	355.88	8,787.8	5,389.8	133.7	-17.9	133.8	4.42	489,393.75	820,018.44
8,852.0	37.55	354.91	8,813.6	5,415.6	152.5	-19.5	152.6	8.17	489,412.62	820,016.91
8,884.0	42.21	353.59	8,838.2	5,440.2	172.9	-21.5	173.1	14.80	489,433.03	820,014.84
8,915.0	47.04	353.33	8,860.2	5,462.2	194.6	-24.0	194.7	15.59	489,454.66	820,012.36

Company: GMT Exploration, LLC
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 18 @ 3398.0usft (McVay #4)
KB = 18 @ 3398.0usft (McVay #4)
Gnd
Minimum Curvature
EDM 5000.1 Single User Db.

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,947.0	51.53	353.85	8,881.1	5,483.1	218.7	-26.7	218.8	14.09	489,478.75	820,009.66
8,979.0	57.33	353.15	8,899.7	5,501.7	244.5	-29.7	244.7	18.21	489,504.60	820,006.71
9,010.0	62.52	352.27	8,915.2	5,517.2	271.1	-33.1	271.3	16.92	489,531.20	820,003.30
9,042.0	66.92	353.59	8,928.9	5,530.9	299.8	-36.6	300.0	14.25	489,559.91	819,999.75
9,074.0	71.40	357.72	8,940.3	5,542.3	329.6	-38.9	329.9	18.48	489,589.72	819,997.50
9,105.0	76.59	0.18	8,948.8	5,550.8	359.4	-39.4	359.6	18.40	489,619.50	819,996.96
9,137.0	80.90	3.87	8,955.1	5,557.1	390.8	-38.3	391.0	17.59	489,650.85	819,998.08
9,168.0	81.87	6.69	8,959.7	5,561.7	421.3	-35.5	421.5	9.52	489,681.37	820,000.90
9,200.0	83.10	7.30	8,963.9	5,565.9	452.8	-31.6	453.0	4.28	489,712.86	820,004.76
9,232.0	86.97	7.74	8,966.7	5,568.7	484.4	-27.4	484.5	12.17	489,744.45	820,008.93
9,263.0	89.78	7.30	8,967.6	5,569.6	515.1	-23.4	515.2	9.17	489,775.17	820,012.99
LP - 9263.0 MD, 8967.6 TVD, 515.1 N, -23.4 E										
9,325.0	91.36	6.74	8,966.9	5,568.9	576.6	-15.8	576.7	2.70	489,836.70	820,020.56
9,420.0	90.92	4.48	8,965.1	5,567.1	671.1	-6.5	671.2	2.42	489,931.22	820,029.85
9,515.0	91.45	3.91	8,963.1	5,565.1	765.9	0.4	765.8	0.82	490,025.95	820,036.80
9,610.0	90.75	4.24	8,961.3	5,563.3	860.6	7.2	860.5	0.81	490,120.69	820,043.55
9,705.0	90.04	4.10	8,960.6	5,562.6	955.3	14.1	955.2	0.76	490,215.43	820,050.45
9,799.0	90.66	3.35	8,960.0	5,562.0	1,049.1	20.2	1,049.0	1.04	490,309.23	820,056.56
9,894.0	90.04	1.69	8,959.5	5,561.5	1,144.0	24.4	1,143.9	1.87	490,404.14	820,060.74
9,989.0	91.01	0.58	8,958.6	5,560.6	1,239.0	26.2	1,238.8	1.55	490,499.11	820,062.62
10,084.0	90.22	0.73	8,957.6	5,559.6	1,334.0	27.3	1,333.8	0.85	490,594.10	820,063.70
10,179.0	91.10	0.50	8,956.5	5,558.5	1,429.0	28.3	1,428.8	0.96	490,689.08	820,064.72
10,274.0	90.13	0.85	8,955.5	5,557.5	1,524.0	29.5	1,523.8	1.09	490,784.07	820,065.84
10,369.0	90.40	0.43	8,955.0	5,557.0	1,619.0	30.5	1,618.7	0.53	490,879.06	820,066.90
10,464.0	90.66	0.34	8,954.1	5,556.1	1,714.0	31.2	1,713.7	0.29	490,974.06	820,067.54
10,559.0	93.12	0.40	8,951.0	5,553.0	1,808.9	31.8	1,808.7	2.59	491,069.00	820,068.16
10,654.0	93.03	0.12	8,945.9	5,547.9	1,903.8	32.2	1,903.5	0.31	491,163.86	820,068.59

Company: GMT Exploration, LLC.
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 18 @ 3398.0usft (McVay #4)
KB = 18 @ 3398.0usft (McVay #4)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLog (°/100usft)	Northing (usft)	Easting (usft)
10,749.0	92.95	0.14	8,940.9	5,542.9	1,998.6	32.4	1,998.4	0.09	491,258.73	820,068.80
10,844.0	92.33	359.58	8,936.6	5,538.6	2,093.5	32.2	2,093.3	0.88	491,353.63	820,068.57
10,939.0	92.86	359.19	8,932.3	5,534.3	2,188.4	31.2	2,188.2	0.69	491,448.52	820,067.55
11,034.0	92.77	359.24	8,927.6	5,529.6	2,283.3	29.9	2,283.1	0.11	491,543.40	820,066.25
11,129.0	91.98	359.10	8,923.7	5,525.7	2,378.2	28.5	2,378.0	0.84	491,638.31	820,064.88
11,224.0	91.54	359.37	8,920.8	5,522.8	2,473.2	27.2	2,472.9	0.54	491,733.25	820,063.61
11,319.0	91.36	358.63	8,918.3	5,520.3	2,568.1	25.6	2,567.9	0.80	491,828.21	820,061.95
11,413.0	91.98	357.47	8,915.6	5,517.6	2,662.0	22.4	2,661.8	1.40	491,922.11	820,058.75
11,508.0	92.24	357.32	8,912.1	5,514.1	2,756.9	18.1	2,756.7	0.32	492,016.95	820,054.44
11,603.0	92.15	357.52	8,908.5	5,510.5	2,851.7	13.8	2,851.5	0.23	492,111.78	820,050.17
11,698.0	91.01	356.58	8,905.9	5,507.9	2,946.5	8.9	2,946.4	1.56	492,206.62	820,045.28
11,793.0	91.98	357.36	8,903.4	5,505.4	3,041.4	3.9	3,041.3	1.31	492,301.45	820,040.26
11,888.0	91.36	357.14	8,900.6	5,502.6	3,136.2	-0.7	3,136.2	0.69	492,396.30	820,035.70
11,983.0	93.83	357.52	8,896.3	5,498.3	3,231.0	-5.1	3,231.0	2.63	492,491.09	820,031.28
12,078.0	93.56	358.06	8,890.2	5,492.2	3,325.7	-8.7	3,325.7	0.63	492,585.83	820,027.63
12,173.0	91.63	357.76	8,885.9	5,487.9	3,420.6	-12.2	3,420.6	2.06	492,680.66	820,024.16
12,267.0	92.95	359.72	8,882.1	5,484.1	3,514.5	-14.3	3,514.5	2.51	492,774.56	820,022.10
12,359.0	92.86	0.61	8,877.5	5,479.5	3,606.3	-14.0	3,606.4	0.97	492,866.44	820,022.36
12,454.0	92.42	0.82	8,873.1	5,475.1	3,701.2	-12.8	3,701.2	0.51	492,961.33	820,023.55
12,546.0	92.59	1.31	8,869.1	5,471.1	3,793.1	-11.1	3,793.1	0.56	493,053.22	820,025.26
12,640.0	93.83	2.29	8,863.8	5,465.8	3,886.9	-8.2	3,886.9	1.68	493,147.03	820,028.20
12,733.0	92.42	1.22	8,858.7	5,460.7	3,979.7	-5.3	3,979.7	1.90	493,239.84	820,031.05
12,827.0	93.47	1.40	8,853.9	5,455.9	4,073.6	-3.2	4,073.5	1.13	493,333.69	820,033.19
12,858.0	94.00	1.82	8,851.9	5,453.9	4,104.5	-2.3	4,104.5	2.18	493,364.61	820,034.06
12,882.0	94.09	1.71	8,850.2	5,452.2	4,128.4	-1.6	4,128.4	0.59	493,388.54	820,034.80
12,921.0	94.35	2.20	8,847.3	5,449.3	4,167.3	-0.2	4,167.2	1.42	493,427.41	820,036.13
13,015.0	92.95	2.73	8,841.3	5,443.3	4,261.0	3.8	4,260.9	1.59	493,521.13	820,040.16

Company: GMT Exploration, LLC
Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18 @ 3398.0usft (McVay #4)
MD Reference: KB = 18 @ 3398.0usft (McVay #4)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DiLeg (°/100usft)	Northing (usft)	Easting (usft)
13,109.0	92.86	3.08	8,836.6	5,438.6	4,354.8	8.5	4,354.7	0.38	493,614.89	820,044.92
13,203.0	92.68	3.79	8,832.0	5,434.0	4,448.5	14.2	4,448.3	0.78	493,708.61	820,050.54
13,275.0	93.03	4.49	8,828.4	5,430.4	4,520.2	19.4	4,520.0	1.09	493,780.34	820,055.74
13,327.0	93.03	4.49	8,825.7	5,427.7	4,572.0	23.4	4,571.8	0.00	493,832.10	820,059.80

BHL - 13327.0 'MD, 8825.7 'TVD, 4572.0 'N, 23.4 'E

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N-S (usft)	+E-W (usft)	Comment
8,440.0	8,438.1	-1.2	1.1	KOP - 8440.0 'MD, 8438.1 'TVD, -1.2 'N, 1.1 'E
9,263.0	8,967.6	515.1	-23.4	LP - 9263.0 'MD, 8967.6 'TVD, 515.1 'N, -23.4 'E
13,327.0	8,825.7	4,572.0	23.4	BHL - 13327.0 'MD, 8825.7 'TVD, 4572.0 'N, 23.4 'E

Checked By: _____ Approved By: _____ Date: _____

Project: Lea County (NAD83)
Site: Pryor State
Well: #1H
Wellbore: OH
Plan: Post Gyro Plan #2 (#1H/OH)



Azimuths to Grid North
True North: -0.48°
Magnetic North: 6.96°

Magnetic Field
Strength: 48661.2snT
Dip Angle: 60.33°
Date: 1/20/2012
Model: IGRF200510

PROJECT DETAILS: Lea County (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid

EOW

WELL DETAILS: #1H						
Ground Elevation: 3360.8						
RKB Elevation: KB = 18 @ 3336 South (McVay 84)						
Rig Name: McVay 84						
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Site
0.0	0.0	488268.093	820036.375	33.342	-103.431	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N-S	+E-W	Northing	Easting	Shape
PBHL (#1H)	8884.7	4620.4	-29.2	483890.486	820007.104	Point

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Deg	TFace	VSec	Target
1	8489.7	1.36	217.97	8483.8	-3.3	0.8	0.90	0.90	-3.3	
2	9254.4	91.18	359.72	8970.0	683.9	-8.1	12.80	141.73	683.9	
3	13351.9	91.18	359.72	8884.7	4620.4	-29.2	0.90	0.90	4620.5	PBHL (#1H)

