

Pryor D

Field: Lea Co., New Mexico (NAD 83 NME)

Map Units:	US ft
Vertical Reference Datum (VRD):	Mean Sea Level
Projected Coordinate System:	NAD83 / New Mexico East (ftUS)

Site: Pryor DBR Federal State Com #1H

Company Name:	GMT Exploration Co., LLC
Units:	US ft
TVD Reference:	

Position:

Northing:	483844.60US ft
Easting:	820005.40US ft

North Reference:	Grid	Convergence Angle: 0.48
Elevation above Mean Sea Level :	3366.00US ft	
Comment :		

Slot: Pryor DBR Fed State Com #1H

Position (Relative to Site centre)

+N/-S: 0.00US ft	Northing:	483844.60US ft
+E/-W: 0.00US ft	Easting:	820005.40US ft

Elevation above Mean Sea Level :	3366.00US ft
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Comment :

Well: Pryor DBR Fed State Com #1H Pilot

Type:	Main well
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File Number:

Closure Distance:	5.01217US ft	Closure Azimuth:
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Comment:

Vertical Section:

Position of Origin (Relative to Slot centre)	+N/-S: 0.00US ft	+E/-W: 0.00US ft
Vertical Section Azimuth:	359.47°	

Target Set: Pryor DBR Fed State Com #1H

Number of Targets: 1

Target: PBHL

Position: (Relative to Slot centre)

+N/-S: 4755.00	Northing: 488599.60	Latitude: 32°20'24.02"
+E/-W: -44.00	Easting: 819961.40	Longitude: -103°25'52.26'
TVD (Kelly Bushing) :	10455.00 US ft	

Shape: Cuboid

Orientation	Inclination: 0.00°	Azimuth: 0.00°
Dimensions	Length: 0.00	Breadth: 0.00

Casing Points: (Relative to Slot Centre, TVD Relative to Kelly Bushing)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)
5242	0.21	229.44	5240.25	17.73	39.69	483862.33	820045.09

Wellpath created using minimum curvature

Survey

Name	Definitive Survey	Company	
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Magnetic Parameters:

Model: BGGM	Field Strength: 48334.4 nT	Declination: 7.27 °	Dip: 60.21 °
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Survey Tool Ranges:

Survey Tool	Start MD (US ft)	End MD (US ft)
NSG Cont	0	1613
MWD	1613	11600

Survey Points: (Relative to Slot Centre, TVD Relative to Kelly Bushing)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)
0	0	0	0	0	0	0	0
100	0.09	219.87	100	-0.06	-0.05	-0.06	0.09
200	0.15	231.72	200	-0.2	-0.2	-0.2	0.06
300	0.24	239.9	300	-0.39	-0.49	-0.38	0.09
400	0.59	279.51	400	-0.41	-1.18	-0.4	0.43
500	0.62	282.5	499.99	-0.21	-2.21	-0.19	0.04
600	0.55	280.71	599.99	0	-3.21	0.03	0.07
700	0.41	326.89	699.98	0.39	-3.88	0.43	0.4
800	0.76	35.92	799.98	1.23	-3.69	1.26	0.72
900	1.08	40.48	899.97	2.48	-2.68	2.51	0.33
1000	1.31	38.01	999.94	4.1	-1.37	4.11	0.24
1100	1.58	55.02	1099.91	5.79	0.46	5.78	0.5
1200	2	52.68	1199.86	7.64	2.98	7.61	0.43
1300	3.15	45.19	1299.76	10.63	6.32	10.57	1.2

1400	3.69	46.24	1399.58	14.79	10.59	14.69	0.54
1500	3.79	46.73	1499.37	19.28	15.32	19.14	0.1
1600	4.06	42.69	1599.13	24.15	20.13	23.96	0.39
1613	4.06	45.01	1612.1	24.82	20.77	24.62	1.26
1716	4.39	42.88	1714.82	30.28	26.03	30.04	0.35
1748	4.01	43.61	1746.74	31.99	27.63	31.73	1.2
1844	2.8	42.84	1842.56	36.14	31.54	35.85	1.26
1940	1.69	43.35	1938.49	38.89	34.11	38.57	1.16
2036	0.71	69.44	2034.47	40.13	35.64	39.8	1.14
2132	0.7	126.27	2130.46	39.99	36.67	39.65	0.7
2228	0.66	131.62	2226.46	39.27	37.55	38.93	0.08
2323	0.82	131.06	2321.45	38.46	38.48	38.11	0.17
2418	0.6	149.87	2416.44	37.59	39.24	37.22	0.33
2514	0.78	146.31	2512.43	36.61	39.85	36.24	0.19
2610	0.79	143.86	2608.42	35.53	40.61	35.15	0.04
2705	0.77	118.85	2703.42	34.69	41.55	34.31	0.36
2801	0.69	120.63	2799.41	34.09	42.61	33.69	0.09
2895	0.55	162.02	2893.4	33.37	43.24	32.97	0.49
2991	0.79	213.51	2989.4	32.38	43.02	31.98	0.65
3087	0.41	220.94	3085.39	31.57	42.43	31.18	0.4
3182	0.31	113.13	3180.39	31.21	42.44	30.82	0.62
3278	0.82	75.59	3276.39	31.28	43.34	30.88	0.63
3374	0.07	209.07	3372.38	31.4	43.98	30.99	0.91
3470	0.35	239.51	3468.38	31.2	43.7	30.8	0.3
3566	0.35	159.76	3564.38	30.78	43.55	30.37	0.47
3661	0.66	179.39	3659.38	29.96	43.65	29.55	0.37
3757	0.74	173.13	3755.37	28.79	43.73	28.38	0.12
3853	0.76	171.81	3851.36	27.54	43.9	27.14	0.03
3949	0.88	169.1	3947.35	26.19	44.13	25.78	0.13
4045	0.84	170.93	4043.34	24.77	44.38	24.36	0.05
4141	0.82	160.11	4139.33	23.43	44.72	23.01	0.16
4237	0.8	159.97	4235.32	22.15	45.19	21.74	0.02
4333	0.77	163.29	4331.31	20.91	45.6	20.48	0.06
4429	0.35	174.93	4427.31	20	45.81	19.57	0.45
4525	0.28	151.43	4523.31	19.5	45.95	19.07	0.15
4621	0.31	165.37	4619.3	19.04	46.13	18.61	0.08
4717	1.12	267.46	4715.3	18.75	45.26	18.33	1.27
4813	1.57	269.38	4811.27	18.69	43.01	18.29	0.47
4909	0.51	254.61	4907.25	18.56	41.28	18.18	1.13
5004	0.35	249.34	5002.25	18.35	40.6	17.97	0.17
5100	0.3	223.44	5098.25	18.06	40.15	17.69	0.16
5178	0.21	244.53	5176.25	17.85	39.88	17.49	0.16
5242	0.21	229.44	5240.25	17.73	39.69	17.36	0.09
5267	0.21	223.6	5265.25	17.67	39.62	17.3	0.09

5299	0.22	226.62	5297.25	17.58	39.54	17.22	0.05
5395	0.1	255.3	5393.25	17.43	39.32	17.07	0.15
5490	0	0	5488.25	17.41	39.24	17.05	0.11
5586	0.1	200.36	5584.25	17.33	39.21	16.97	0.1
5682	0.3	223.78	5680.25	17.07	39.01	16.71	0.22
5778	0.22	216.57	5776.25	16.74	38.73	16.39	0.09
5874	0.35	227.78	5872.25	16.4	38.4	16.04	0.15
5970	0.36	247.75	5968.24	16.09	37.9	15.74	0.13
6065	0.41	246.74	6063.24	15.84	37.32	15.5	0.05
6161	0.36	231.66	6159.24	15.52	36.76	15.18	0.12
6256	0.42	246.26	6254.24	15.19	36.21	14.86	0.12
6352	0.35	247.82	6350.23	14.94	35.62	14.61	0.07
6447	0.36	263.03	6445.23	14.8	35.05	14.47	0.1
6542	0.25	266.5	6540.23	14.75	34.55	14.43	0.12
6634	0.4	252.68	6632.23	14.64	34.04	14.32	0.18
6730	0.42	268.83	6728.23	14.53	33.37	14.22	0.12
6826	0.51	252.28	6824.22	14.39	32.61	14.09	0.17
6922	0.53	258.79	6920.22	14.18	31.77	13.88	0.06
7017	0.66	258.19	7015.22	13.98	30.8	13.7	0.14
7112	0.69	251.54	7110.21	13.69	29.72	13.41	0.09
7207	0.6	243.51	7205.2	13.28	28.74	13.02	0.13
7302	0.76	231.8	7300.2	12.67	27.8	12.42	0.22
7397	1	237.77	7395.19	11.84	26.6	11.59	0.27
7492	0.85	259.98	7490.17	11.28	25.2	11.04	0.41
7587	0.75	284.57	7585.16	11.31	23.91	11.09	0.37
7682	0.41	300.24	7680.16	11.64	23.01	11.42	0.39
7777	0.56	289.55	7775.16	11.96	22.28	11.76	0.18
7872	0.7	279.7	7870.15	12.22	21.27	12.02	0.19
7967	0.4	281	7965.15	12.38	20.38	12.19	0.32
8062	0.56	280.34	8060.14	12.53	19.59	12.34	0.17
8157	0.35	291.57	8155.14	12.72	18.87	12.54	0.24
8251	0.35	305.72	8249.14	12.99	18.37	12.82	0.09
8346	0.2	270.35	8344.14	13.16	17.96	12.99	0.23
8441	0.36	251.15	8439.14	13.06	17.52	12.9	0.19
8536	0.7	249.37	8534.13	12.76	16.69	12.61	0.36
8631	0.14	24.16	8629.13	12.66	16.2	12.51	0.85
8726	0.1	325.95	8724.13	12.84	16.2	12.69	0.13
8821	0.63	201.52	8819.13	12.42	15.96	12.27	0.73
8915	1.11	213.22	8913.12	11.18	15.27	11.04	0.54
8947	1.31	218.8	8945.11	10.63	14.87	10.5	0.72
9010	1.75	211.44	9008.09	9.25	13.92	9.12	0.76
9105	1.22	218	9103.05	7.22	12.54	7.1	0.58
9199	0.14	304.52	9197.05	6.49	11.83	6.38	1.3
9294	0.77	14.48	9292.04	7.18	11.89	7.07	0.77

9389	0.66	338.14	9387.04	8.3	11.85	8.19	0.48
9484	0.63	98.73	9482.03	8.73	12.16	8.62	1.18
9579	0.82	97.5	9577.03	8.56	13.35	8.44	0.2
9674	0.64	88.19	9672.02	8.49	14.55	8.36	0.23
9769	0.7	83.82	9767.01	8.57	15.66	8.43	0.08
9863	0.29	107.45	9861.01	8.56	16.46	8.41	0.48
9959	0.22	224.93	9957.01	8.36	16.56	8.21	0.46
10054	0.58	261.51	10052.01	8.16	15.96	8.01	0.45
10148	0.63	249.27	10146	7.91	15	7.77	0.15
10243	0.4	295.34	10241	7.86	14.22	7.73	0.48
10338	0.25	293.69	10335.99	8.09	13.73	7.96	0.16
10433	0.31	226.91	10430.99	8	13.35	7.87	0.33
10528	0.64	218	10525.99	7.4	12.83	7.28	0.35
10623	0.51	210.2	10620.99	6.62	12.29	6.5	0.16
10718	0.85	241.05	10715.98	5.91	11.47	5.81	0.51
10813	1.26	249.42	10810.96	5.2	9.87	5.11	0.46
10908	0.42	260.39	10905.95	4.78	8.55	4.7	0.9
11003	0.22	253.99	11000.95	4.67	8.03	4.6	0.21
11098	0.53	251.54	11095.95	4.48	7.44	4.41	0.33
11193	1.12	227.88	11190.94	3.72	6.33	3.66	0.7
11288	0.41	234.52	11285.93	2.9	5.37	2.85	0.75
11383	0.16	345.59	11380.93	2.83	5.06	2.78	0.52
11478	0.28	191.71	11475.93	2.73	4.98	2.69	0.45
11534	0.38	221.56	11531.93	2.46	4.83	2.41	0.35
11600	0.38	221.56	11597.93	2.13	4.54	2.09	0

Weatherford International Limited.

BR Fed State Com #1H Pilot

Latitude:	32° 19' 36.97"
Longitude:	-103° 25' 52.21"

Latitude:	32°19'36.97"
Longitude:	-103°25'52.21"

Rig Height (Kelly Bushing):	20.00US ft
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64.8412°

Height: 0.00

Name

Csg 9 7/8 in

Date: 20/Nov/2014 (dd/mmm/yyyy)

Source Survey

Scientific Gyro Svy

Weatherford MWD Svy

Northing (US ft)	Easting (US ft)	Survey Tool	Comment
483844.6	820005.4	NSG Cont (Scientific Gyro Svy)	
483844.54	820005.35	NSG Cont (Scientific Gyro Svy)	
483844.4	820005.2	NSG Cont (Scientific Gyro Svy)	
483844.21	820004.91	NSG Cont (Scientific Gyro Svy)	
483844.19	820004.22	NSG Cont (Scientific Gyro Svy)	
483844.39	820003.19	NSG Cont (Scientific Gyro Svy)	
483844.6	820002.19	NSG Cont (Scientific Gyro Svy)	
483844.99	820001.52	NSG Cont (Scientific Gyro Svy)	
483845.83	820001.71	NSG Cont (Scientific Gyro Svy)	
483847.08	820002.72	NSG Cont (Scientific Gyro Svy)	
483848.7	820004.03	NSG Cont (Scientific Gyro Svy)	
483850.39	820005.86	NSG Cont (Scientific Gyro Svy)	
483852.24	820008.38	NSG Cont (Scientific Gyro Svy)	
483855.23	820011.72	NSG Cont (Scientific Gyro Svy)	

483859.39	820015.99	NSG Cont (Scientific Gyro Svy)	
483863.88	820020.72	NSG Cont (Scientific Gyro Svy)	
483868.75	820025.53	NSG Cont (Scientific Gyro Svy)	
483869.42	820026.17	NSG Cont (Scientific Gyro Svy)	Tie on SDI Gyro Svy
483874.88	820031.43	MWD (Weatherford MWD Svy)	First Wft Svy
483876.59	820033.03	MWD (Weatherford MWD Svy)	
483880.74	820036.94	MWD (Weatherford MWD Svy)	
483883.49	820039.51	MWD (Weatherford MWD Svy)	
483884.73	820041.04	MWD (Weatherford MWD Svy)	
483884.59	820042.07	MWD (Weatherford MWD Svy)	
483883.87	820042.95	MWD (Weatherford MWD Svy)	
483883.06	820043.88	MWD (Weatherford MWD Svy)	
483882.19	820044.64	MWD (Weatherford MWD Svy)	
483881.21	820045.25	MWD (Weatherford MWD Svy)	
483880.13	820046.01	MWD (Weatherford MWD Svy)	
483879.29	820046.95	MWD (Weatherford MWD Svy)	
483878.69	820048.01	MWD (Weatherford MWD Svy)	
483877.97	820048.64	MWD (Weatherford MWD Svy)	
483876.98	820048.42	MWD (Weatherford MWD Svy)	
483876.17	820047.83	MWD (Weatherford MWD Svy)	
483875.81	820047.84	MWD (Weatherford MWD Svy)	
483875.88	820048.74	MWD (Weatherford MWD Svy)	
483876	820049.38	MWD (Weatherford MWD Svy)	
483875.8	820049.1	MWD (Weatherford MWD Svy)	
483875.38	820048.95	MWD (Weatherford MWD Svy)	
483874.56	820049.05	MWD (Weatherford MWD Svy)	
483873.39	820049.13	MWD (Weatherford MWD Svy)	
483872.14	820049.3	MWD (Weatherford MWD Svy)	
483870.79	820049.53	MWD (Weatherford MWD Svy)	
483869.37	820049.78	MWD (Weatherford MWD Svy)	
483868.03	820050.12	MWD (Weatherford MWD Svy)	
483866.75	820050.59	MWD (Weatherford MWD Svy)	
483865.51	820051	MWD (Weatherford MWD Svy)	
483864.6	820051.21	MWD (Weatherford MWD Svy)	
483864.1	820051.35	MWD (Weatherford MWD Svy)	
483863.64	820051.53	MWD (Weatherford MWD Svy)	
483863.35	820050.66	MWD (Weatherford MWD Svy)	
483863.29	820048.41	MWD (Weatherford MWD Svy)	
483863.16	820046.68	MWD (Weatherford MWD Svy)	
483862.95	820046	MWD (Weatherford MWD Svy)	
483862.66	820045.55	MWD (Weatherford MWD Svy)	
483862.45	820045.28	MWD (Weatherford MWD Svy)	
483862.33	820045.09	MWD	9 7/8 in Csg
483862.27	820045.02	MWD (Weatherford MWD Svy)	

483862.18	820044.94	MWD (Weatherford MWD Svy)
483862.03	820044.72	MWD (Weatherford MWD Svy)
483862.01	820044.64	MWD (Weatherford MWD Svy)
483861.93	820044.61	MWD (Weatherford MWD Svy)
483861.67	820044.41	MWD (Weatherford MWD Svy)
483861.34	820044.13	MWD (Weatherford MWD Svy)
483861	820043.8	MWD (Weatherford MWD Svy)
483860.69	820043.3	MWD (Weatherford MWD Svy)
483860.44	820042.72	MWD (Weatherford MWD Svy)
483860.12	820042.16	MWD (Weatherford MWD Svy)
483859.79	820041.61	MWD (Weatherford MWD Svy)
483859.54	820041.02	MWD (Weatherford MWD Svy)
483859.4	820040.45	MWD (Weatherford MWD Svy)
483859.35	820039.95	MWD (Weatherford MWD Svy)
483859.24	820039.44	MWD (Weatherford MWD Svy)
483859.13	820038.77	MWD (Weatherford MWD Svy)
483858.99	820038.01	MWD (Weatherford MWD Svy)
483858.78	820037.17	MWD (Weatherford MWD Svy)
483858.58	820036.2	MWD (Weatherford MWD Svy)
483858.29	820035.12	MWD (Weatherford MWD Svy)
483857.88	820034.14	MWD (Weatherford MWD Svy)
483857.27	820033.2	MWD (Weatherford MWD Svy)
483856.44	820032	MWD (Weatherford MWD Svy)
483855.88	820030.6	MWD (Weatherford MWD Svy)
483855.91	820029.31	MWD (Weatherford MWD Svy)
483856.24	820028.41	MWD (Weatherford MWD Svy)
483856.56	820027.68	MWD (Weatherford MWD Svy)
483856.82	820026.67	MWD (Weatherford MWD Svy)
483856.98	820025.78	MWD (Weatherford MWD Svy)
483857.13	820024.99	MWD (Weatherford MWD Svy)
483857.32	820024.27	MWD (Weatherford MWD Svy)
483857.59	820023.77	MWD (Weatherford MWD Svy)
483857.76	820023.36	MWD (Weatherford MWD Svy)
483857.66	820022.92	MWD (Weatherford MWD Svy)
483857.36	820022.09	MWD (Weatherford MWD Svy)
483857.26	820021.6	MWD (Weatherford MWD Svy)
483857.44	820021.6	MWD (Weatherford MWD Svy)
483857.02	820021.36	MWD (Weatherford MWD Svy)
483855.78	820020.67	MWD (Weatherford MWD Svy)
483855.23	820020.27	MWD (Weatherford MWD Svy)
483853.85	820019.32	MWD (Weatherford MWD Svy)
483851.82	820017.94	MWD (Weatherford MWD Svy)
483851.09	820017.23	MWD (Weatherford MWD Svy)
483851.78	820017.29	MWD (Weatherford MWD Svy)

483852.9	820017.25	MWD (Weatherford MWD Svy)	
483853.33	820017.56	MWD (Weatherford MWD Svy)	
483853.16	820018.75	MWD (Weatherford MWD Svy)	
483853.09	820019.95	MWD (Weatherford MWD Svy)	
483853.17	820021.06	MWD (Weatherford MWD Svy)	
483853.16	820021.86	MWD (Weatherford MWD Svy)	
483852.96	820021.96	MWD (Weatherford MWD Svy)	
483852.76	820021.36	MWD (Weatherford MWD Svy)	
483852.51	820020.4	MWD (Weatherford MWD Svy)	
483852.46	820019.62	MWD (Weatherford MWD Svy)	
483852.69	820019.13	MWD (Weatherford MWD Svy)	
483852.6	820018.75	MWD (Weatherford MWD Svy)	
483852	820018.23	MWD (Weatherford MWD Svy)	
483851.22	820017.69	MWD (Weatherford MWD Svy)	
483850.51	820016.87	MWD (Weatherford MWD Svy)	
483849.8	820015.27	MWD (Weatherford MWD Svy)	
483849.38	820013.95	MWD (Weatherford MWD Svy)	
483849.27	820013.43	MWD (Weatherford MWD Svy)	
483849.08	820012.84	MWD (Weatherford MWD Svy)	
483848.32	820011.73	MWD (Weatherford MWD Svy)	
483847.5	820010.77	MWD (Weatherford MWD Svy)	
483847.43	820010.46	MWD (Weatherford MWD Svy)	
483847.33	820010.38	MWD (Weatherford MWD Svy)	
483847.06	820010.23	MWD (Weatherford MWD Svy)	Last Wft Svy
483846.73	820009.94	MWD (Weatherford MWD Svy)	Projection

5D 7.5.9 : 30 December 2014, 16:00:27 UTC