

Sheba Federal Com 1H  
Lea Co, NM

Plan Data for Sheba Federal Com 1H

Plan Point Information:  
Dogleg Severity Unit: %/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	440737.10	814231.40	0.00	0.00
11547.04	0.00	0.00	11547.04	0.00	0.00	440737.10	814231.40	0.00	0.00
12447.04	90.00	177.10	12120.00	-572.22	28.98	440164.88	814260.38	572.96	10.00
16206.23	90.00	177.10	12120.00	-4326.60	219.10	436410.50	814450.50	4332.14	0.00

Plan Data for Sheba Federal Com 1H

Slot: Sheba Federal Com 1H  
Position:  
Offset is from Site centre

+N/-S: 0.00USft Northing: 440737.10USft Latitude: 32°12'30.9"  
+E/-W: 0.00USft Easting: 814231.40USft Longitude: -103°27'3.6"  
Elevation Above VRD: 3499.00USft

Plan Data for Sheba Federal Com 1H

Target Set Information:  
Name: Sheba Federal Com 1H  
Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
	(USft)	(USft)	(USft)	(USft)	(USft)		
PBHL 1H	12120.00	-4326.60	219.10	436410.50	814450.50	Point	

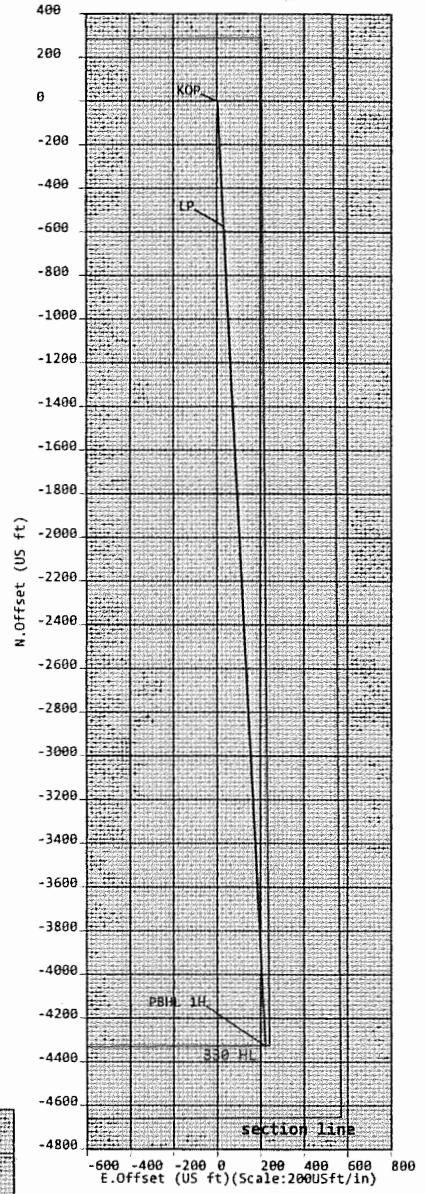
Plan Data for Sheba Federal Com 1H

Well: Sheba Federal Com 1H  
Type: Main-Well  
File Number:

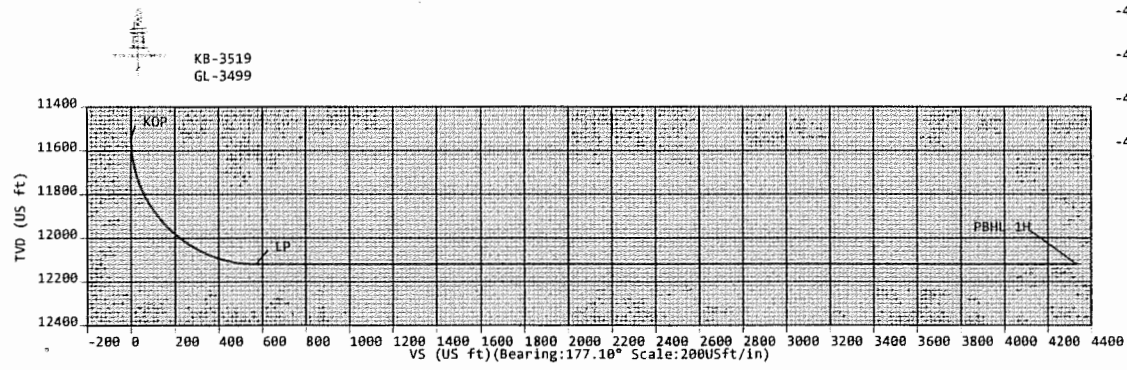
Plan Folder: P1 Plan: P1-V1  
Vertical Section: Position offset of origin from Slot centre:  
+N/-S: 0.00USft Azimuth: 177.10°  
+E/-W: 0.00USft

Magnetic Parameters:  
Model: Field Strength: Declination: Dip: Date:  
bgg#2015 48196(nT) 7.14° 60.15° 2015-12-25

Sheba Federal Com 1H



OCD - HOBBS  
07/12/2016  
RECEIVED



Sign Off: Russell Joyner

**5D Plan Report**

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**GMT Exploration Co., LLC**

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

**Site Name:** *Sheba Federal Com 1H*

**Well Name:** *Sheba Federal Com 1H*

**Plan:** *P1:V1*

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13 November 2015





## Sheba Federal Com 1H

<b>Field Name:</b>	<b>Map Units:</b> US ft		<b>Company Name:</b> GMT Exploration Co., LLC	
Lea Co., New Mexico (NAD 83 NME)	<b>Vertical Reference Datum (VRD):</b> Mean Sea Level			
	<b>Projected Coordinate System:</b> NAD83 / New Mexico East (ftUS)			
	<b>Comment:</b>			
<b>Site:</b>	<b>Units:</b> US ft	<b>North Reference:</b> Grid	<b>Convergence Angle:</b> 0.47	
	<b>Position:</b>	<b>Northing:</b> 440737.10US ft	<b>Latitude:</b> 32° 12' 30.90"	
		<b>Easting:</b> 814231.40US ft	<b>Longitude:</b> -103° 27' 3.63"	
	<b>Elevation above MSL:</b> 3499.00 US ft		<b>Comment:</b>	
<b>Slot:</b>	<b>Position (Relative to Site Centre)</b>			
	<b>+N/-S:</b> 0.00US ft	<b>Northing:</b> 440737.10US ft	<b>Latitude:</b> 32°12'30,90"	
	<b>+E/-W:</b> 0.00US ft	<b>Easting:</b> 814231.40US ft	<b>Longitude:</b> -103°27'3,63"	
	<b>Slot TVD Reference:</b> Ground Elevation			
	<b>Elevation above MSL:</b> 3499.00US ft			
<b>Well:</b>	<b>Type:</b> Main well		<b>UWI:</b>	<b>Plan:</b> P1:V1
	<b>File Number:</b>	<b>Comment:</b>		
	<b>Closure Distance:</b> 4332.14US ft		<b>Closure Azimuth:</b> 177.10°	
	<b>Vertical Section: Position of Origin (Relative to Slot centre)</b>			
	<b>+N/-S:</b> 0.00US ft		<b>+E/-W:</b> 0.00US ft	
	<b>Az:</b> 177.10°		<b>Magnetic Parameters:</b>	
	<b>Model:</b> bggm2015	<b>Field Strength:</b> 48196.6nT	<b>Declination:</b> 7.14°	<b>Dip:</b> 60.15°
				<b>Date:</b> 25/Dec/2015

**Drill floor: Plan: P1:V1**

<b>Rig Height (Kelly Bushing):</b> 20.00us ft	<b>Elevation above MSL:</b> 3519.00us ft	<b>Inclination:</b> 0.00°	<b>Azimuth:</b> 0.00°
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**Target set: Sheba Federal Com 1H Comment:**

Target Name:	Shape:	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (USFt)	Easting (USFt)	Comment
PBHL 1H	Point	12120.00	-4326.60	219.10	436410.50	814450.50	

**Wellpath created using minimum curvature.**

**Tie Point:**

<b>MD:</b> 0.00USFt	<b>Inclination:</b> 0.00°	<b>Azimuth:</b> 0.00°	<b>TVD:</b> 0.00USFt	<b>North Offset:</b> 0.00USFt	<b>East Offset:</b> 0.00USFt
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**Salient 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 (°/100US ft)	B.Rate (°/100US ft)	T.Rate (°/100US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	

## 5D Plan Report

Salient 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 (°/100US ft)	B. Rate (°/100US ft)	T. Rate (°/100US ft)	T. Face (°)	Comment
11547.04	0.00	0.00	11547.04	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	KOP
12447.04	90.00	177.10	12120.00	-572.22	28.98	572.96	10.00	10.00	0.00	177.10	LP
16206.23	90.00	177.10	12120.00	-4326.60	219.10	4332.14	0.00	0.00	0.00	0.00	PBHL 1H

Interpolated 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 (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment	
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
100.00	0.00	0.00	100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
200.00	0.00	0.00	200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
300.00	0.00	0.00	300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
400.00	0.00	0.00	400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
500.00	0.00	0.00	500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
600.00	0.00	0.00	600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
700.00	0.00	0.00	700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
800.00	0.00	0.00	800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
900.00	0.00	0.00	900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1000.00	0.00	0.00	1000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1100.00	0.00	0.00	1100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1200.00	0.00	0.00	1200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1300.00	0.00	0.00	1300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1400.00	0.00	0.00	1400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1500.00	0.00	0.00	1500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1600.00	0.00	0.00	1600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1700.00	0.00	0.00	1700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1800.00	0.00	0.00	1800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
1900.00	0.00	0.00	1900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2000.00	0.00	0.00	2000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2100.00	0.00	0.00	2100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2200.00	0.00	0.00	2200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2300.00	0.00	0.00	2300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2400.00	0.00	0.00	2400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2500.00	0.00	0.00	2500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2600.00	0.00	0.00	2600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2700.00	0.00	0.00	2700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2800.00	0.00	0.00	2800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
2900.00	0.00	0.00	2900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3000.00	0.00	0.00	3000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3100.00	0.00	0.00	3100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3200.00	0.00	0.00	3200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3300.00	0.00	0.00	3300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3400.00	0.00	0.00	3400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3500.00	0.00	0.00	3500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3600.00	0.00	0.00	3600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3700.00	0.00	0.00	3700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3800.00	0.00	0.00	3800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
3900.00	0.00	0.00	3900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4000.00	0.00	0.00	4000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4100.00	0.00	0.00	4100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4200.00	0.00	0.00	4200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4300.00	0.00	0.00	4300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4400.00	0.00	0.00	4400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4500.00	0.00	0.00	4500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4600.00	0.00	0.00	4600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4700.00	0.00	0.00	4700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4800.00	0.00	0.00	4800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
4900.00	0.00	0.00	4900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
5000.00	0.00	0.00	5000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		
5100.00	0.00	0.00	5100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40		

## 5D Plan Report

Interpolated 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 (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
5200.00	0.00	0.00	5200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5300.00	0.00	0.00	5300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5400.00	0.00	0.00	5400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5500.00	0.00	0.00	5500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5600.00	0.00	0.00	5600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5700.00	0.00	0.00	5700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5800.00	0.00	0.00	5800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
5900.00	0.00	0.00	5900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6000.00	0.00	0.00	6000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6100.00	0.00	0.00	6100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6200.00	0.00	0.00	6200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6300.00	0.00	0.00	6300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6400.00	0.00	0.00	6400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6500.00	0.00	0.00	6500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6600.00	0.00	0.00	6600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6700.00	0.00	0.00	6700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6800.00	0.00	0.00	6800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
6900.00	0.00	0.00	6900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7000.00	0.00	0.00	7000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7100.00	0.00	0.00	7100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7200.00	0.00	0.00	7200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7300.00	0.00	0.00	7300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7400.00	0.00	0.00	7400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7500.00	0.00	0.00	7500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7600.00	0.00	0.00	7600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7700.00	0.00	0.00	7700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7800.00	0.00	0.00	7800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
7900.00	0.00	0.00	7900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8000.00	0.00	0.00	8000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8100.00	0.00	0.00	8100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8200.00	0.00	0.00	8200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8300.00	0.00	0.00	8300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8400.00	0.00	0.00	8400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8500.00	0.00	0.00	8500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8600.00	0.00	0.00	8600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8700.00	0.00	0.00	8700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8800.00	0.00	0.00	8800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
8900.00	0.00	0.00	8900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9000.00	0.00	0.00	9000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9100.00	0.00	0.00	9100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9200.00	0.00	0.00	9200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9300.00	0.00	0.00	9300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9400.00	0.00	0.00	9400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9500.00	0.00	0.00	9500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9600.00	0.00	0.00	9600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9700.00	0.00	0.00	9700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9800.00	0.00	0.00	9800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
9900.00	0.00	0.00	9900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10000.00	0.00	0.00	10000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10100.00	0.00	0.00	10100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10200.00	0.00	0.00	10200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10300.00	0.00	0.00	10300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10400.00	0.00	0.00	10400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10500.00	0.00	0.00	10500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10600.00	0.00	0.00	10600.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10700.00	0.00	0.00	10700.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10800.00	0.00	0.00	10800.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
10900.00	0.00	0.00	10900.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
11000.00	0.00	0.00	11000.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	

## SD Plan Report

Interpolated 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 (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
11100.00	0.00	0.00	11100.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
11200.00	0.00	0.00	11200.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
11300.00	0.00	0.00	11300.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
11400.00	0.00	0.00	11400.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
11500.00	0.00	0.00	11500.00	0.00	0.00	-0.00	0.00	440737.10	814231.40	
11547.04	0.00	0.00	11547.04	0.00	0.00	-0.00	0.00	440737.10	814231.40	KOP
11600.00	5.30	177.10	11599.92	-2.44	0.12	2.45	10.00	440734.66	814231.52	
11700.00	15.30	177.10	11698.19	-20.27	1.03	20.30	10.00	440716.83	814232.43	
11800.00	25.30	177.10	11791.86	-54.87	2.78	54.94	10.00	440682.23	814234.18	
11900.00	35.30	177.10	11878.10	-105.19	5.33	105.32	10.00	440631.91	814236.73	
12000.00	45.30	177.10	11954.27	-169.70	8.59	169.91	10.00	440567.40	814239.99	
12100.00	55.30	177.10	12018.07	-246.44	12.48	246.75	10.00	440490.66	814243.88	
12200.00	65.30	177.10	12067.56	-333.07	16.87	333.50	10.00	440404.03	814248.27	
12300.00	75.30	177.10	12101.23	-426.98	21.62	427.53	10.00	440310.12	814253.02	
12400.00	85.30	177.10	12118.07	-525.30	26.60	525.97	10.00	440211.80	814258.00	
12447.04	90.00	177.10	12120.00	-572.22	28.98	572.96	10.00	440164.88	814260.38	LP
12500.00	90.00	177.10	12120.00	-625.11	31.66	625.92	0.00	440111.99	814263.06	
12600.00	90.00	177.10	12120.00	-724.99	36.71	725.92	0.00	440012.11	814268.11	
12700.00	90.00	177.10	12120.00	-824.86	41.77	825.92	0.00	439912.24	814273.17	
12800.00	90.00	177.10	12120.00	-924.73	46.83	925.92	0.00	439812.37	814278.23	
12900.00	90.00	177.10	12120.00	-1024.60	51.89	1025.92	0.00	439712.50	814283.29	
13000.00	90.00	177.10	12120.00	-1124.48	56.94	1125.92	0.00	439612.62	814288.34	
13100.00	90.00	177.10	12120.00	-1224.35	62.00	1225.92	0.00	439512.75	814293.40	
13200.00	90.00	177.10	12120.00	-1324.22	67.06	1325.92	0.00	439412.88	814298.46	
13300.00	90.00	177.10	12120.00	-1424.09	72.12	1425.92	0.00	439313.01	814303.52	
13400.00	90.00	177.10	12120.00	-1523.96	77.17	1525.92	0.00	439213.14	814308.57	
13500.00	90.00	177.10	12120.00	-1623.84	82.23	1625.92	0.00	439113.26	814313.63	
13600.00	90.00	177.10	12120.00	-1723.71	87.29	1725.92	0.00	439013.39	814318.69	
13700.00	90.00	177.10	12120.00	-1823.58	92.35	1825.92	0.00	438913.52	814323.75	
13800.00	90.00	177.10	12120.00	-1923.45	97.40	1925.92	0.00	438813.65	814328.80	
13900.00	90.00	177.10	12120.00	-2023.32	102.46	2025.92	0.00	438713.78	814333.86	
14000.00	90.00	177.10	12120.00	-2123.20	107.52	2125.92	0.00	438613.90	814338.92	
14100.00	90.00	177.10	12120.00	-2223.07	112.58	2225.92	0.00	438514.03	814343.98	
14200.00	90.00	177.10	12120.00	-2322.94	117.63	2325.92	0.00	438414.16	814349.03	
14300.00	90.00	177.10	12120.00	-2422.81	122.69	2425.92	0.00	438314.29	814354.09	
14400.00	90.00	177.10	12120.00	-2522.68	127.75	2525.92	0.00	438214.42	814359.15	
14500.00	90.00	177.10	12120.00	-2622.56	132.81	2625.92	0.00	438114.54	814364.21	
14600.00	90.00	177.10	12120.00	-2722.43	137.86	2725.92	0.00	438014.67	814369.26	
14700.00	90.00	177.10	12120.00	-2822.30	142.92	2825.92	0.00	437914.80	814374.32	
14800.00	90.00	177.10	12120.00	-2922.17	147.98	2925.92	0.00	437814.93	814379.38	
14900.00	90.00	177.10	12120.00	-3022.04	153.04	3025.92	0.00	437715.06	814384.44	
15000.00	90.00	177.10	12120.00	-3121.92	158.09	3125.92	0.00	437615.18	814389.49	
15100.00	90.00	177.10	12120.00	-3221.79	163.15	3225.92	0.00	437515.31	814394.55	
15200.00	90.00	177.10	12120.00	-3321.66	168.21	3325.92	0.00	437415.44	814399.61	
15300.00	90.00	177.10	12120.00	-3421.53	173.27	3425.92	0.00	437315.57	814404.67	
15400.00	90.00	177.10	12120.00	-3521.40	178.32	3525.92	0.00	437215.70	814409.72	
15500.00	90.00	177.10	12120.00	-3621.28	183.38	3625.92	0.00	437115.82	814414.78	
15600.00	90.00	177.10	12120.00	-3721.15	188.44	3725.92	0.00	437015.95	814419.84	
15700.00	90.00	177.10	12120.00	-3821.02	193.50	3825.92	0.00	436916.08	814424.90	
15800.00	90.00	177.10	12120.00	-3920.89	198.55	3925.92	0.00	436816.21	814429.95	
15900.00	90.00	177.10	12120.00	-4020.76	203.61	4025.92	0.00	436716.34	814435.01	
16000.00	90.00	177.10	12120.00	-4120.64	208.67	4125.92	0.00	436616.46	814440.07	
16100.00	90.00	177.10	12120.00	-4220.51	213.73	4225.92	0.00	436516.59	814445.13	
16200.00	90.00	177.10	12120.00	-4320.38	218.79	4325.92	0.00	436416.72	814450.19	
16206.23	90.00	177.10	12120.00	-4326.60	219.10	4332.14	0.00	436410.50	814450.50	PBHL 1H



**Weatherford**

# Weatherford Drilling Services

GeoDec4 v2.4.0.0

Report Date: November 13, 2015  
 Job Number: \_\_\_\_\_  
 Customer: GMT Exploration Company, LLC  
 Well Name: Sheba Federal Com 1H  
 API Number: \_\_\_\_\_  
 Rig Name: \_\_\_\_\_  
 Location: Lea Co, NM Nad83 NME  
 Block: \_\_\_\_\_  
 Engineer: RWJ

NAD83 / New Mexico East (ftUS)	NAD83 (1986)
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 2257	EPSG: 4269
North: 440737.10 US Survey Foot	Latitude: 32.208584 Degree
East: 814231.40 US Survey Foot	Longitude: -103.451008 Degree
Convergence: 0.47°	
Declination: 7.14°	
Total Correction: 6.67°	
Datum Transformation: none	

Geodetic Location WGS84  
 MSL Elevation = 0 m  
 Latitude = 32° 12' 30.90" N  
 Longitude = 103° 27' 03.63" W

Magnetic Declination = 7.14 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6639
Local Field Strength = 48197 nT	Magnetic Vector X = 23806 nT
Magnetic Dip = 60.15 deg	Magnetic Vector Y = 2982 nT
Magnetic Model = bggm2015.dat	Magnetic Vector Z = 41801 nT
Run Date = December 25, 2015	Magnetic Vector H = 23992 nT

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

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