



# **GMT Exploration Company, LLC**

**Elbert County, CO (NAD 83)**

**Irwin-Taylor Pad**

**TAYLOR 6-65 23-26 4HN**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**26 May, 2019**



Project: Elbert County, CO (NAD 83)  
 Site: Irwin-Taylor Pad  
 Well: TAYLOR 6-65 23-26 4HN  
 Wellbore: Wellbore #1  
 Design: Design #1

# GMT Exploration Company, LLC

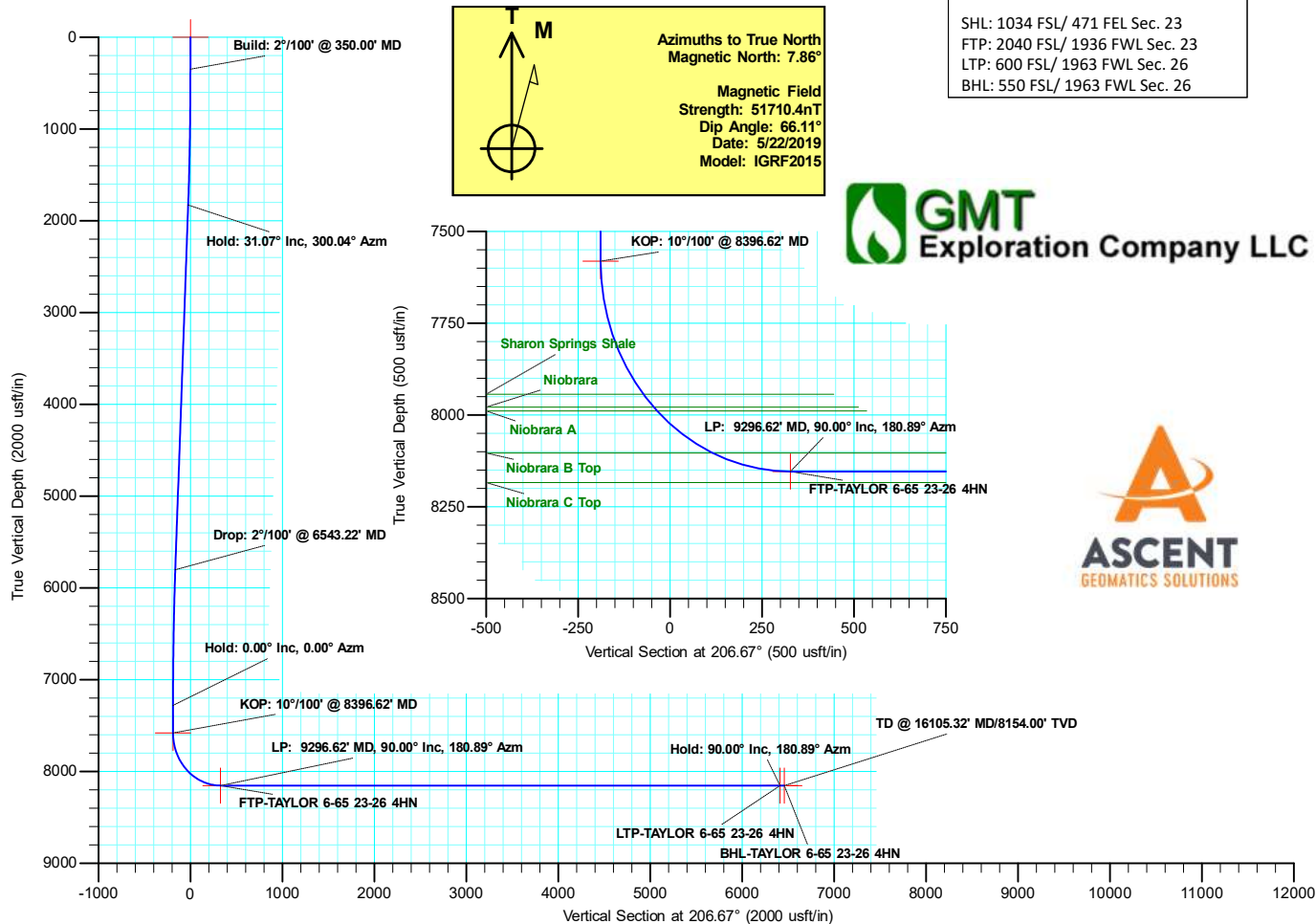
Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Central Zone  
 System Datum: Mean Sea Level

### WELL DETAILS: TAYLOR 6-65 23-26 4HN

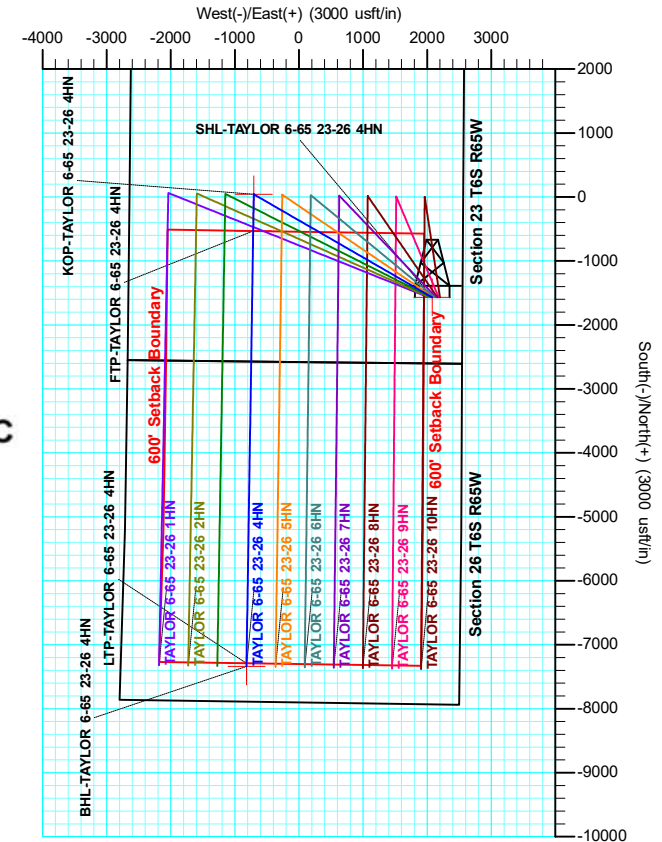
+N/-S	+E/-W	Northing	Ground Level:	6229.00	Longitude
-1568.01	2079.90	1611684.07	Easting	3246586.90	-104.626017
			Latitude	39.509593	

### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	-1568.01	2079.90	0.00	0.00	0.00	
350.00	0.00	0.00	350.00	-1568.01	2079.90	0.00	0.00	0.00	
1903.40	31.07	300.03	1828.39	-1362.33	1724.14	2.00	300.03	-24.11	
6543.22	31.07	300.03	5802.65	-163.89	-348.76	0.00	0.00	-164.57	
8096.62	0.00	0.00	7281.04	41.79	-704.52	2.00	180.00	-188.67	
8396.62	0.00	0.00	7581.04	41.79	-704.52	0.00	0.00	-188.67	
9296.62	90.00	180.89	8154.00	-531.10	-713.40	10.00	0.00	327.24	FTP-TAYLOR 6-65 23-26 4HN
16055.32	90.00	180.89	8154.00	-7288.98	-818.18	0.00	0.00	6413.10	LTP-TAYLOR 6-65 23-26 4HN
16105.32	90.00	180.89	8154.00	-7338.98	-818.95	0.00	0.00	6458.12	BHL-TAYLOR 6-65 23-26 4HN



SHL: 1034 FSL/ 471 FEL Sec. 23  
 FTP: 2040 FSL/ 1936 FWL Sec. 23  
 LTP: 600 FSL/ 1963 FWL Sec. 26  
 BHL: 550 FSL/ 1963 FWL Sec. 26





<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 4HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6249.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6249.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 4HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Elbert County, CO (NAD 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	Irwin-Taylor Pad				
<b>Site Position:</b>		<b>Northing:</b>	1,613,232.16 usft	<b>Latitude:</b>	39.513898
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,244,492.14 usft	<b>Longitude:</b>	-104.633389
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.55 °

<b>Well</b>	TAYLOR 6-65 23-26 4HN					
<b>Well Position</b>	<b>+N/-S</b>	-1,568.01 usft	<b>Northing:</b>	1,611,684.07 usft	<b>Latitude:</b>	39.509593
	<b>+E/-W</b>	2,079.90 usft	<b>Easting:</b>	3,246,586.90 usft	<b>Longitude:</b>	-104.626018
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	6,229.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	5/22/2019	7.86	66.11	51,710.40455094

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	206.68

<b>Plan Survey Tool Program</b>	<b>Date</b>	5/24/2019			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	16,105.32	Design #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,903.40	31.07	300.04	1,828.39	205.71	-355.74	2.00	2.00	0.00	300.04	
6,543.22	31.07	300.04	5,802.65	1,404.32	-2,428.55	0.00	0.00	0.00	0.00	
8,096.62	0.00	0.00	7,281.04	1,610.03	-2,784.29	2.00	-2.00	0.00	180.00	
8,396.62	0.00	0.00	7,581.04	1,610.03	-2,784.29	0.00	0.00	0.00	0.00	
9,296.62	90.00	180.89	8,154.00	1,037.14	-2,793.22	10.00	10.00	0.00	0.00	FTP-TAYLOR 6-65
16,055.32	90.00	180.89	8,154.00	-5,720.74	-2,898.54	0.00	0.00	0.00	0.00	LTP-TAYLOR 6-65 :
16,105.32	90.00	180.89	8,154.00	-5,770.73	-2,899.32	0.00	0.00	0.00	0.00	BHL-TAYLOR 6-65



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 4HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6249.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6249.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 4HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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
<b>SHL-TAYLOR 6-65 23-26 4HN</b>									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Build: 2°/100' @ 350.00' MD</b>									
400.00	1.00	300.04	400.00	0.22	-0.38	-0.03	2.00	2.00	0.00
500.00	3.00	300.04	499.93	1.97	-3.40	-0.23	2.00	2.00	0.00
600.00	5.00	300.04	599.68	5.46	-9.44	-0.64	2.00	2.00	0.00
700.00	7.00	300.04	699.13	10.69	-18.49	-1.25	2.00	2.00	0.00
800.00	9.00	300.04	798.15	17.66	-30.53	-2.07	2.00	2.00	0.00
900.00	11.00	300.04	896.63	26.35	-45.56	-3.09	2.00	2.00	0.00
1,000.00	13.00	300.04	994.44	36.76	-63.56	-4.31	2.00	2.00	0.00
1,100.00	15.00	300.04	1,091.46	48.86	-84.50	-5.73	2.00	2.00	0.00
1,200.00	17.00	300.04	1,187.58	62.66	-108.36	-7.34	2.00	2.00	0.00
1,300.00	19.00	300.04	1,282.68	78.13	-135.11	-9.16	2.00	2.00	0.00
1,400.00	21.00	300.04	1,376.65	95.25	-164.72	-11.16	2.00	2.00	0.00
1,500.00	23.00	300.04	1,469.36	114.00	-197.15	-13.36	2.00	2.00	0.00
1,600.00	25.00	300.04	1,560.71	134.36	-232.36	-15.75	2.00	2.00	0.00
1,700.00	27.00	300.04	1,650.59	156.30	-270.30	-18.32	2.00	2.00	0.00
1,800.00	29.00	300.04	1,738.88	179.80	-310.94	-21.07	2.00	2.00	0.00
1,903.40	31.07	300.04	1,828.39	205.71	-355.74	-24.11	2.00	2.00	0.00
<b>Hold: 31.07° Inc, 300.04° Azm</b>									
2,000.00	31.07	300.04	1,911.13	230.67	-398.90	-27.03	0.00	0.00	0.00
2,100.00	31.07	300.04	1,996.79	256.50	-443.57	-30.06	0.00	0.00	0.00
2,200.00	31.07	300.04	2,082.44	282.33	-488.25	-33.09	0.00	0.00	0.00
2,300.00	31.07	300.04	2,168.10	308.16	-532.92	-36.11	0.00	0.00	0.00
2,400.00	31.07	300.04	2,253.75	334.00	-577.60	-39.14	0.00	0.00	0.00
2,500.00	31.07	300.04	2,339.41	359.83	-622.27	-42.17	0.00	0.00	0.00
2,600.00	31.07	300.04	2,425.07	385.66	-666.94	-45.19	0.00	0.00	0.00
2,700.00	31.07	300.04	2,510.72	411.50	-711.62	-48.22	0.00	0.00	0.00
2,800.00	31.07	300.04	2,596.38	437.33	-756.29	-51.25	0.00	0.00	0.00
2,900.00	31.07	300.04	2,682.03	463.16	-800.97	-54.28	0.00	0.00	0.00
3,000.00	31.07	300.04	2,767.69	489.00	-845.64	-57.30	0.00	0.00	0.00
3,100.00	31.07	300.04	2,853.34	514.83	-890.32	-60.33	0.00	0.00	0.00
3,200.00	31.07	300.04	2,939.00	540.66	-934.99	-63.36	0.00	0.00	0.00
3,300.00	31.07	300.04	3,024.65	566.49	-979.66	-66.39	0.00	0.00	0.00
3,400.00	31.07	300.04	3,110.31	592.33	-1,024.34	-69.41	0.00	0.00	0.00
3,500.00	31.07	300.04	3,195.97	618.16	-1,069.01	-72.44	0.00	0.00	0.00
3,600.00	31.07	300.04	3,281.62	643.99	-1,113.69	-75.47	0.00	0.00	0.00
3,700.00	31.07	300.04	3,367.28	669.83	-1,158.36	-78.50	0.00	0.00	0.00
3,800.00	31.07	300.04	3,452.93	695.66	-1,203.03	-81.52	0.00	0.00	0.00
3,900.00	31.07	300.04	3,538.59	721.49	-1,247.71	-84.55	0.00	0.00	0.00
4,000.00	31.07	300.04	3,624.24	747.33	-1,292.38	-87.58	0.00	0.00	0.00
4,100.00	31.07	300.04	3,709.90	773.16	-1,337.06	-90.60	0.00	0.00	0.00
4,200.00	31.07	300.04	3,795.55	798.99	-1,381.73	-93.63	0.00	0.00	0.00
4,300.00	31.07	300.04	3,881.21	824.82	-1,426.41	-96.66	0.00	0.00	0.00
4,400.00	31.07	300.04	3,966.87	850.66	-1,471.08	-99.69	0.00	0.00	0.00
4,500.00	31.07	300.04	4,052.52	876.49	-1,515.75	-102.71	0.00	0.00	0.00
4,600.00	31.07	300.04	4,138.18	902.32	-1,560.43	-105.74	0.00	0.00	0.00
4,700.00	31.07	300.04	4,223.83	928.16	-1,605.10	-108.77	0.00	0.00	0.00
4,800.00	31.07	300.04	4,309.49	953.99	-1,649.78	-111.80	0.00	0.00	0.00



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 4HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6249.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6249.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 4HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)
4,900.00	31.07	300.04	4,395.14	979.82	-1,694.45	-114.82	0.00	0.00	0.00
5,000.00	31.07	300.04	4,480.80	1,005.66	-1,739.12	-117.85	0.00	0.00	0.00
5,100.00	31.07	300.04	4,566.45	1,031.49	-1,783.80	-120.88	0.00	0.00	0.00
5,200.00	31.07	300.04	4,652.11	1,057.32	-1,828.47	-123.90	0.00	0.00	0.00
5,300.00	31.07	300.04	4,737.77	1,083.16	-1,873.15	-126.93	0.00	0.00	0.00
5,400.00	31.07	300.04	4,823.42	1,108.99	-1,917.82	-129.96	0.00	0.00	0.00
5,500.00	31.07	300.04	4,909.08	1,134.82	-1,962.50	-132.99	0.00	0.00	0.00
5,600.00	31.07	300.04	4,994.73	1,160.65	-2,007.17	-136.01	0.00	0.00	0.00
5,700.00	31.07	300.04	5,080.39	1,186.49	-2,051.84	-139.04	0.00	0.00	0.00
5,800.00	31.07	300.04	5,166.04	1,212.32	-2,096.52	-142.07	0.00	0.00	0.00
5,900.00	31.07	300.04	5,251.70	1,238.15	-2,141.19	-145.10	0.00	0.00	0.00
6,000.00	31.07	300.04	5,337.35	1,263.99	-2,185.87	-148.12	0.00	0.00	0.00
6,100.00	31.07	300.04	5,423.01	1,289.82	-2,230.54	-151.15	0.00	0.00	0.00
6,200.00	31.07	300.04	5,508.66	1,315.65	-2,275.21	-154.18	0.00	0.00	0.00
6,300.00	31.07	300.04	5,594.32	1,341.49	-2,319.89	-157.20	0.00	0.00	0.00
6,400.00	31.07	300.04	5,679.98	1,367.32	-2,364.56	-160.23	0.00	0.00	0.00
6,500.00	31.07	300.04	5,765.63	1,393.15	-2,409.24	-163.26	0.00	0.00	0.00
6,543.22	31.07	300.04	5,802.65	1,404.32	-2,428.55	-164.57	0.00	0.00	0.00
<b>Drop: 2°/100' @ 6543.22' MD</b>									
6,600.00	29.93	300.04	5,851.57	1,418.74	-2,453.49	-166.26	2.00	-2.00	0.00
6,700.00	27.93	300.04	5,939.09	1,442.96	-2,495.37	-169.10	2.00	-2.00	0.00
6,800.00	25.93	300.04	6,028.24	1,465.63	-2,534.58	-171.75	2.00	-2.00	0.00
6,900.00	23.93	300.04	6,118.91	1,486.73	-2,571.07	-174.23	2.00	-2.00	0.00
7,000.00	21.93	300.04	6,211.01	1,506.24	-2,604.80	-176.51	2.00	-2.00	0.00
7,100.00	19.93	300.04	6,304.40	1,524.12	-2,635.73	-178.61	2.00	-2.00	0.00
7,200.00	17.93	300.04	6,398.99	1,540.36	-2,663.81	-180.51	2.00	-2.00	0.00
7,300.00	15.93	300.04	6,494.65	1,554.94	-2,689.02	-182.22	2.00	-2.00	0.00
7,400.00	13.93	300.04	6,591.27	1,567.84	-2,711.33	-183.73	2.00	-2.00	0.00
7,500.00	11.93	300.04	6,688.72	1,579.04	-2,730.70	-185.04	2.00	-2.00	0.00
7,600.00	9.93	300.04	6,786.90	1,588.53	-2,747.12	-186.16	2.00	-2.00	0.00
7,700.00	7.93	300.04	6,885.69	1,596.31	-2,760.56	-187.07	2.00	-2.00	0.00
7,800.00	5.93	300.04	6,984.95	1,602.35	-2,771.01	-187.77	2.00	-2.00	0.00
7,900.00	3.93	300.04	7,084.57	1,606.65	-2,778.45	-188.28	2.00	-2.00	0.00
8,000.00	1.93	300.04	7,184.44	1,609.21	-2,782.88	-188.58	2.00	-2.00	0.00
8,096.62	0.00	0.00	7,281.04	1,610.03	-2,784.29	-188.67	2.00	-2.00	0.00
<b>Hold: 0.00° Inc, 0.00° Azm</b>									
8,100.00	0.00	0.00	7,284.42	1,610.03	-2,784.29	-188.67	0.00	0.00	0.00
8,200.00	0.00	0.00	7,384.42	1,610.03	-2,784.29	-188.67	0.00	0.00	0.00
8,300.00	0.00	0.00	7,484.42	1,610.03	-2,784.29	-188.67	0.00	0.00	0.00
8,396.62	0.00	0.00	7,581.04	1,610.03	-2,784.29	-188.67	0.00	0.00	0.00
<b>KOP: 10°/100' @ 8396.62' MD - KOP-TAYLOR 6-65 23-26 4HN</b>									
8,400.00	0.34	180.89	7,584.42	1,610.02	-2,784.29	-188.67	10.00	10.00	0.00
8,450.00	5.34	180.89	7,634.34	1,607.54	-2,784.33	-186.44	10.00	10.00	0.00
8,500.00	10.34	180.89	7,683.86	1,600.73	-2,784.43	-180.30	10.00	10.00	0.00
8,550.00	15.34	180.89	7,732.60	1,589.62	-2,784.61	-170.30	10.00	10.00	0.00
8,600.00	20.34	180.89	7,780.18	1,574.31	-2,784.85	-156.51	10.00	10.00	0.00
8,650.00	25.34	180.89	7,826.24	1,554.92	-2,785.15	-139.04	10.00	10.00	0.00
8,700.00	30.34	180.89	7,870.44	1,531.58	-2,785.51	-118.03	10.00	10.00	0.00
8,750.00	35.34	180.89	7,912.44	1,504.48	-2,785.93	-93.62	10.00	10.00	0.00
8,800.00	40.34	180.89	7,951.91	1,473.82	-2,786.41	-66.01	10.00	10.00	0.00
8,850.00	45.34	180.89	7,988.57	1,439.84	-2,786.94	-35.41	10.00	10.00	0.00
8,900.00	50.34	180.89	8,022.12	1,402.79	-2,787.52	-2.05	10.00	10.00	0.00
8,950.00	55.34	180.89	8,052.31	1,362.96	-2,788.14	33.82	10.00	10.00	0.00



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 4HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6249.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6249.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 4HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)
9,000.00	60.34	180.89	8,078.92	1,320.65	-2,788.80	71.92	10.00	10.00	0.00
9,050.00	65.34	180.89	8,101.74	1,276.19	-2,789.49	111.97	10.00	10.00	0.00
9,100.00	70.34	180.89	8,120.59	1,229.90	-2,790.21	153.65	10.00	10.00	0.00
9,150.00	75.34	180.89	8,135.34	1,182.15	-2,790.96	196.66	10.00	10.00	0.00
9,200.00	80.34	180.89	8,145.87	1,133.29	-2,791.72	240.65	10.00	10.00	0.00
9,250.00	85.34	180.89	8,152.10	1,083.70	-2,792.49	285.31	10.00	10.00	0.00
9,296.62	90.00	180.89	8,154.00	1,037.14	-2,793.22	327.24	10.00	10.00	0.00
<b>LP: 9296.62' MD, 90.00° Inc, 180.89° Azm - FTP-TAYLOR 6-65 23-26 4HN</b>									
9,300.00	90.00	180.89	8,154.00	1,033.76	-2,793.27	330.29	0.00	0.00	0.00
9,400.00	90.00	180.89	8,154.00	933.77	-2,794.83	420.33	0.00	0.00	0.00
9,500.00	90.00	180.89	8,154.00	833.79	-2,796.39	510.38	0.00	0.00	0.00
9,600.00	90.00	180.89	8,154.00	733.80	-2,797.95	600.42	0.00	0.00	0.00
9,700.00	90.00	180.89	8,154.00	633.81	-2,799.50	690.47	0.00	0.00	0.00
9,800.00	90.00	180.89	8,154.00	533.82	-2,801.06	780.51	0.00	0.00	0.00
9,900.00	90.00	180.89	8,154.00	433.83	-2,802.62	870.56	0.00	0.00	0.00
10,000.00	90.00	180.89	8,154.00	333.85	-2,804.18	960.60	0.00	0.00	0.00
10,100.00	90.00	180.89	8,154.00	233.86	-2,805.74	1,050.65	0.00	0.00	0.00
10,200.00	90.00	180.89	8,154.00	133.87	-2,807.30	1,140.69	0.00	0.00	0.00
10,300.00	90.00	180.89	8,154.00	33.88	-2,808.85	1,230.74	0.00	0.00	0.00
10,400.00	90.00	180.89	8,154.00	-66.10	-2,810.41	1,320.78	0.00	0.00	0.00
10,500.00	90.00	180.89	8,154.00	-166.09	-2,811.97	1,410.82	0.00	0.00	0.00
10,600.00	90.00	180.89	8,154.00	-266.08	-2,813.53	1,500.87	0.00	0.00	0.00
10,700.00	90.00	180.89	8,154.00	-366.07	-2,815.09	1,590.91	0.00	0.00	0.00
10,800.00	90.00	180.89	8,154.00	-466.06	-2,816.65	1,680.96	0.00	0.00	0.00
10,900.00	90.00	180.89	8,154.00	-566.04	-2,818.20	1,771.00	0.00	0.00	0.00
11,000.00	90.00	180.89	8,154.00	-666.03	-2,819.76	1,861.05	0.00	0.00	0.00
11,100.00	90.00	180.89	8,154.00	-766.02	-2,821.32	1,951.09	0.00	0.00	0.00
11,200.00	90.00	180.89	8,154.00	-866.01	-2,822.88	2,041.14	0.00	0.00	0.00
11,300.00	90.00	180.89	8,154.00	-966.00	-2,824.44	2,131.18	0.00	0.00	0.00
11,400.00	90.00	180.89	8,154.00	-1,065.98	-2,826.00	2,221.23	0.00	0.00	0.00
11,500.00	90.00	180.89	8,154.00	-1,165.97	-2,827.55	2,311.27	0.00	0.00	0.00
11,600.00	90.00	180.89	8,154.00	-1,265.96	-2,829.11	2,401.32	0.00	0.00	0.00
11,700.00	90.00	180.89	8,154.00	-1,365.95	-2,830.67	2,491.36	0.00	0.00	0.00
11,800.00	90.00	180.89	8,154.00	-1,465.94	-2,832.23	2,581.41	0.00	0.00	0.00
11,900.00	90.00	180.89	8,154.00	-1,565.92	-2,833.79	2,671.45	0.00	0.00	0.00
12,000.00	90.00	180.89	8,154.00	-1,665.91	-2,835.35	2,761.50	0.00	0.00	0.00
12,100.00	90.00	180.89	8,154.00	-1,765.90	-2,836.90	2,851.54	0.00	0.00	0.00
12,200.00	90.00	180.89	8,154.00	-1,865.89	-2,838.46	2,941.59	0.00	0.00	0.00
12,300.00	90.00	180.89	8,154.00	-1,965.87	-2,840.02	3,031.63	0.00	0.00	0.00
12,400.00	90.00	180.89	8,154.00	-2,065.86	-2,841.58	3,121.68	0.00	0.00	0.00
12,500.00	90.00	180.89	8,154.00	-2,165.85	-2,843.14	3,211.72	0.00	0.00	0.00
12,600.00	90.00	180.89	8,154.00	-2,265.84	-2,844.70	3,301.77	0.00	0.00	0.00
12,700.00	90.00	180.89	8,154.00	-2,365.83	-2,846.25	3,391.81	0.00	0.00	0.00
12,800.00	90.00	180.89	8,154.00	-2,465.81	-2,847.81	3,481.86	0.00	0.00	0.00
12,900.00	90.00	180.89	8,154.00	-2,565.80	-2,849.37	3,571.90	0.00	0.00	0.00
13,000.00	90.00	180.89	8,154.00	-2,665.79	-2,850.93	3,661.95	0.00	0.00	0.00
13,100.00	90.00	180.89	8,154.00	-2,765.78	-2,852.49	3,751.99	0.00	0.00	0.00
13,200.00	90.00	180.89	8,154.00	-2,865.77	-2,854.05	3,842.04	0.00	0.00	0.00
13,300.00	90.00	180.89	8,154.00	-2,965.75	-2,855.60	3,932.08	0.00	0.00	0.00
13,400.00	90.00	180.89	8,154.00	-3,065.74	-2,857.16	4,022.13	0.00	0.00	0.00
13,500.00	90.00	180.89	8,154.00	-3,165.73	-2,858.72	4,112.17	0.00	0.00	0.00
13,600.00	90.00	180.89	8,154.00	-3,265.72	-2,860.28	4,202.22	0.00	0.00	0.00
13,700.00	90.00	180.89	8,154.00	-3,365.70	-2,861.84	4,292.26	0.00	0.00	0.00
13,800.00	90.00	180.89	8,154.00	-3,465.69	-2,863.40	4,382.31	0.00	0.00	0.00



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 4HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6249.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6249.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 4HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)	
13,900.00	90.00	180.89	8,154.00	-3,565.68	-2,864.95	4,472.35	0.00	0.00	0.00	
14,000.00	90.00	180.89	8,154.00	-3,665.67	-2,866.51	4,562.40	0.00	0.00	0.00	
14,100.00	90.00	180.89	8,154.00	-3,765.66	-2,868.07	4,652.44	0.00	0.00	0.00	
14,200.00	90.00	180.89	8,154.00	-3,865.64	-2,869.63	4,742.48	0.00	0.00	0.00	
14,300.00	90.00	180.89	8,154.00	-3,965.63	-2,871.19	4,832.53	0.00	0.00	0.00	
14,400.00	90.00	180.89	8,154.00	-4,065.62	-2,872.75	4,922.57	0.00	0.00	0.00	
14,500.00	90.00	180.89	8,154.00	-4,165.61	-2,874.30	5,012.62	0.00	0.00	0.00	
14,600.00	90.00	180.89	8,154.00	-4,265.60	-2,875.86	5,102.66	0.00	0.00	0.00	
14,700.00	90.00	180.89	8,154.00	-4,365.58	-2,877.42	5,192.71	0.00	0.00	0.00	
14,800.00	90.00	180.89	8,154.00	-4,465.57	-2,878.98	5,282.75	0.00	0.00	0.00	
14,900.00	90.00	180.89	8,154.00	-4,565.56	-2,880.54	5,372.80	0.00	0.00	0.00	
15,000.00	90.00	180.89	8,154.00	-4,665.55	-2,882.10	5,462.84	0.00	0.00	0.00	
15,100.00	90.00	180.89	8,154.00	-4,765.53	-2,883.65	5,552.89	0.00	0.00	0.00	
15,200.00	90.00	180.89	8,154.00	-4,865.52	-2,885.21	5,642.93	0.00	0.00	0.00	
15,300.00	90.00	180.89	8,154.00	-4,965.51	-2,886.77	5,732.98	0.00	0.00	0.00	
15,400.00	90.00	180.89	8,154.00	-5,065.50	-2,888.33	5,823.02	0.00	0.00	0.00	
15,500.00	90.00	180.89	8,154.00	-5,165.49	-2,889.89	5,913.07	0.00	0.00	0.00	
15,600.00	90.00	180.89	8,154.00	-5,265.47	-2,891.45	6,003.11	0.00	0.00	0.00	
15,700.00	90.00	180.89	8,154.00	-5,365.46	-2,893.00	6,093.16	0.00	0.00	0.00	
15,800.00	90.00	180.89	8,154.00	-5,465.45	-2,894.56	6,183.20	0.00	0.00	0.00	
15,900.00	90.00	180.89	8,154.00	-5,565.44	-2,896.12	6,273.25	0.00	0.00	0.00	
16,000.00	90.00	180.89	8,154.00	-5,665.43	-2,897.68	6,363.29	0.00	0.00	0.00	
16,055.32	90.00	180.89	8,154.00	-5,720.74	-2,898.54	6,413.10	0.00	0.00	0.00	
<b>Hold: 90.00° Inc, 180.89° Azm - LTP-TAYLOR 6-65 23-26 4HN</b>										
16,105.32	90.00	180.89	8,154.00	-5,770.73	-2,899.32	6,458.13	0.00	0.00	0.00	
<b>TD @ 16105.32' MD/8154.00' TVD - BHL-TAYLOR 6-65 23-26 4HN</b>										

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-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	1,611,684.07	3,246,586.90	39.509593	-104.626018	
KOP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	7,581.04	1,610.03	-2,784.29	1,613,267.23	3,243,787.25	39.514013	-104.635886	
BHL-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,154.00	-5,770.73	-2,899.32	1,605,885.71	3,243,743.23	39.493749	-104.636291	
FTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,154.00	1,037.14	-2,793.22	1,612,694.29	3,243,783.84	39.512440	-104.635918	
LTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,154.00	-5,720.74	-2,898.54	1,605,935.71	3,243,743.53	39.493887	-104.636288	



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 4HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6249.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6249.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 4HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

**Formations**

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
513.09	513.00	Denver			
2,417.80	2,269.00	Upper Arapahoe			
2,511.20	2,349.00	Laramie - Fox Hills			
2,616.27	2,439.00	Pierre Shale (Base of Fox Hills)			
6,363.84	5,649.00	Sussex Sandstone			
8,789.70	7,944.00	Sharon Springs Shale			
8,836.55	7,979.00	Niobrara			
8,850.62	7,989.00	Niobrara A			
9,055.48	8,104.00	Niobrara B Top			

**Plan Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
350.00	350.00	0.00	0.00	Build: 2°/100' @ 350.00' MD
1,903.40	1,828.39	205.71	-355.74	Hold: 31.07° Inc, 300.04° Azm
6,543.22	5,802.65	1,404.32	-2,428.55	Drop: 2°/100' @ 6543.22' MD
8,096.62	7,281.04	1,610.03	-2,784.29	Hold: 0.00° Inc, 0.00° Azm
8,396.62	7,581.04	1,610.03	-2,784.29	KOP: 10°/100' @ 8396.62' MD
9,296.62	8,154.00	1,037.14	-2,793.22	LP: 9296.62' MD, 90.00° Inc, 180.89° Azm
16,055.32	8,154.00	-5,720.74	-2,898.54	Hold: 90.00° Inc, 180.89° Azm
16,105.32	8,154.00	-5,770.73	-2,899.32	TD @ 16105.32' MD/8154.00' TVD