



# **GMT Exploration Company, LLC**

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

**Irwin-Taylor Pad**

**TAYLOR 6-65 23-26 5HN**

**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 5HN  
 Wellbore: Wellbore #1  
 Design: Design #1

# GMT Exploration Company, LLC

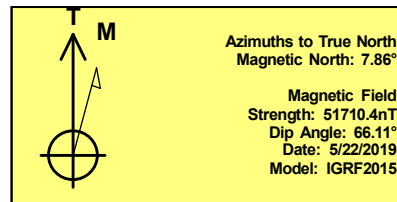
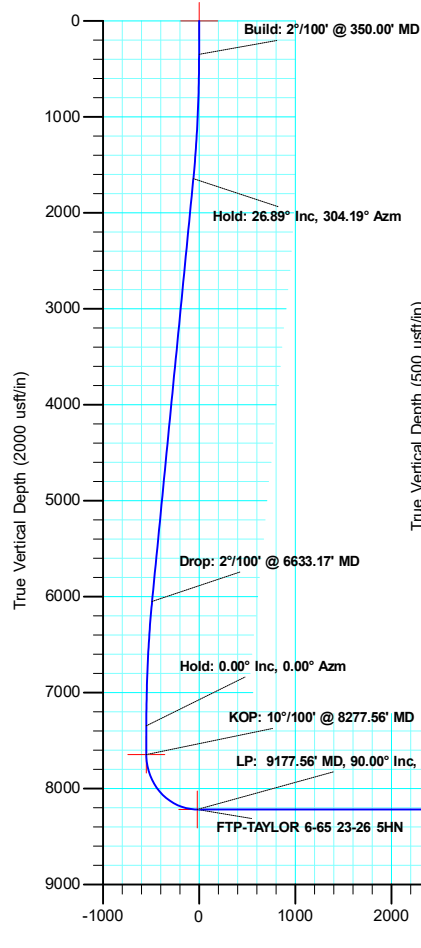
Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Central Zone  
 System Datum: Mean Sea Level

### WELL DETAILS: TAYLOR 6-65 23-26 5HN

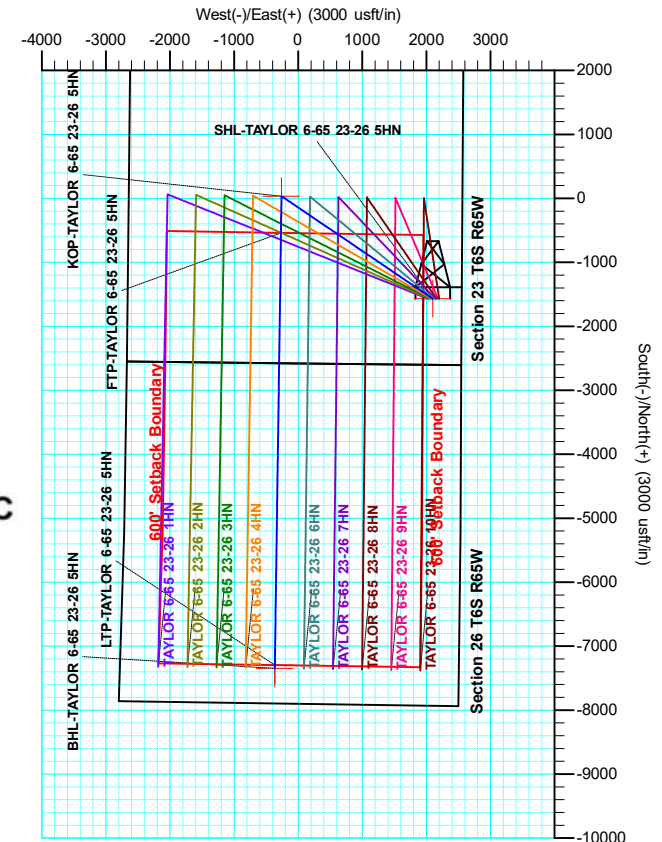
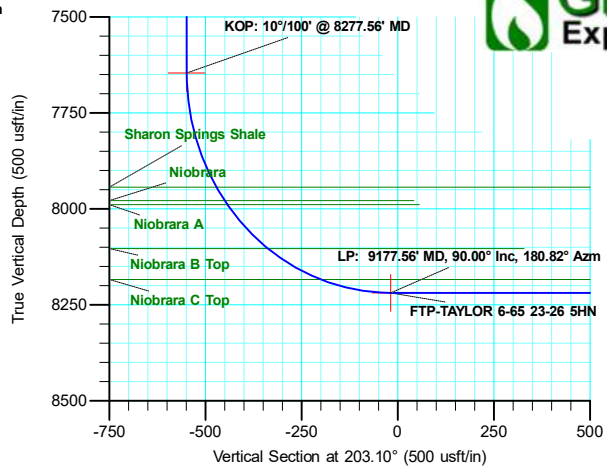
+N/-S	+E/-W	Northing	Ground Level: Easting	6229.00 Latitude	Longitude
-1568.20	2099.90	1611684.07	3246606.90	39.509592	-104.625946

### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	-1568.20	2099.90	0.00	0.00	0.00	
350.00	0.00	0.00	350.00	-1568.20	2099.90	0.00	0.00	0.00	
1694.39	26.89	304.19	1645.59	-1394.18	1843.71	2.00	304.19	-59.55	
6633.17	26.89	304.19	6050.46	-139.15	-3.88	0.00	0.00	-489.01	
7977.56	0.00	0.00	7346.04	34.88	-260.06	2.00	180.00	-548.56	
8277.56	0.00	0.00	7646.04	34.88	-260.06	0.00	0.00	-548.56	
9177.56	90.00	180.81	8219.00	-538.02	-268.18	10.00	0.00	-18.42	FTP-TAYLOR 6-65 23-26 5HN
15936.01	90.00	180.81	8219.00	-7295.80	-363.94	0.00	0.00	6235.02	LTP-TAYLOR 6-65 23-26 5HN
15986.01	90.00	180.81	8219.00	-7345.79	-364.65	0.00	0.00	6281.28	BHL-TAYLOR 6-65 23-26 5HN



SHL: 1034 FSL/ 451 FEL Sec. 23  
 FTP: 2038 FSL/ 2381 FWL Sec. 23  
 LTP: 600 FSL/ 2417 FWL Sec. 26  
 BHL: 550 FSL/ 2417 FWL Sec. 26





<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 5HN
<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 5HN	<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 5HN					
<b>Well Position</b>	<b>+N/-S</b>	-1,568.20 usft	<b>Northing:</b>	1,611,684.07 usft	<b>Latitude:</b>	39.509592
	<b>+E/-W</b>	2,099.90 usft	<b>Easting:</b>	3,246,606.90 usft	<b>Longitude:</b>	-104.625947
<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	51,710.41173353

<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	203.11

<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	15,986.01	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	
1,694.39	26.89	304.19	1,645.59	174.04	-256.17	2.00	2.00	0.00	304.19	
6,633.17	26.89	304.19	6,050.46	1,429.23	-2,103.66	0.00	0.00	0.00	0.00	
7,977.56	0.00	0.00	7,346.04	1,603.27	-2,359.83	2.00	-2.00	0.00	180.00	
8,277.56	0.00	0.00	7,646.04	1,603.27	-2,359.83	0.00	0.00	0.00	0.00	
9,177.56	90.00	180.82	8,219.00	1,030.37	-2,368.00	10.00	10.00	0.00	0.00	FTP-TAYLOR 6-65
15,936.01	90.00	180.82	8,219.00	-5,727.39	-2,464.31	0.00	0.00	0.00	0.00	LTP-TAYLOR 6-65 :
15,986.01	90.00	180.82	8,219.00	-5,777.39	-2,465.02	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 5HN
<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 5HN	<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 5HN</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	304.19	400.00	0.25	-0.36	-0.08	2.00	2.00	0.00
500.00	3.00	304.19	499.93	2.21	-3.25	-0.75	2.00	2.00	0.00
600.00	5.00	304.19	599.68	6.13	-9.02	-2.10	2.00	2.00	0.00
700.00	7.00	304.19	699.13	12.00	-17.66	-4.11	2.00	2.00	0.00
800.00	9.00	304.19	798.15	19.82	-29.17	-6.78	2.00	2.00	0.00
900.00	11.00	304.19	896.63	29.58	-43.54	-10.12	2.00	2.00	0.00
1,000.00	13.00	304.19	994.44	41.26	-60.73	-14.12	2.00	2.00	0.00
1,100.00	15.00	304.19	1,091.46	54.86	-80.74	-18.77	2.00	2.00	0.00
1,200.00	17.00	304.19	1,187.58	70.35	-103.54	-24.07	2.00	2.00	0.00
1,300.00	19.00	304.19	1,282.68	87.71	-129.10	-30.01	2.00	2.00	0.00
1,400.00	21.00	304.19	1,376.65	106.93	-157.39	-36.59	2.00	2.00	0.00
1,500.00	23.00	304.19	1,469.36	127.98	-188.37	-43.79	2.00	2.00	0.00
1,600.00	25.00	304.19	1,560.71	150.84	-222.02	-51.61	2.00	2.00	0.00
1,694.39	26.89	304.19	1,645.59	174.04	-256.17	-59.55	2.00	2.00	0.00
<b>Hold: 26.89° Inc, 304.19° Azm</b>									
1,700.00	26.89	304.19	1,650.59	175.47	-258.27	-60.04	0.00	0.00	0.00
1,800.00	26.89	304.19	1,739.78	200.88	-295.68	-68.73	0.00	0.00	0.00
1,900.00	26.89	304.19	1,828.97	226.30	-333.09	-77.43	0.00	0.00	0.00
2,000.00	26.89	304.19	1,918.16	251.71	-370.49	-86.12	0.00	0.00	0.00
2,100.00	26.89	304.19	2,007.35	277.13	-407.90	-94.82	0.00	0.00	0.00
2,200.00	26.89	304.19	2,096.54	302.54	-445.31	-103.52	0.00	0.00	0.00
2,300.00	26.89	304.19	2,185.73	327.96	-482.72	-112.21	0.00	0.00	0.00
2,400.00	26.89	304.19	2,274.92	353.37	-520.12	-120.91	0.00	0.00	0.00
2,500.00	26.89	304.19	2,364.10	378.79	-557.53	-129.60	0.00	0.00	0.00
2,600.00	26.89	304.19	2,453.29	404.20	-594.94	-138.30	0.00	0.00	0.00
2,700.00	26.89	304.19	2,542.48	429.62	-632.35	-146.99	0.00	0.00	0.00
2,800.00	26.89	304.19	2,631.67	455.03	-669.76	-155.69	0.00	0.00	0.00
2,900.00	26.89	304.19	2,720.86	480.45	-707.16	-164.39	0.00	0.00	0.00
3,000.00	26.89	304.19	2,810.05	505.86	-744.57	-173.08	0.00	0.00	0.00
3,100.00	26.89	304.19	2,899.24	531.28	-781.98	-181.78	0.00	0.00	0.00
3,200.00	26.89	304.19	2,988.43	556.69	-819.39	-190.47	0.00	0.00	0.00
3,300.00	26.89	304.19	3,077.62	582.11	-856.79	-199.17	0.00	0.00	0.00
3,400.00	26.89	304.19	3,166.81	607.52	-894.20	-207.87	0.00	0.00	0.00
3,500.00	26.89	304.19	3,256.00	632.94	-931.61	-216.56	0.00	0.00	0.00
3,600.00	26.89	304.19	3,345.19	658.35	-969.02	-225.26	0.00	0.00	0.00
3,700.00	26.89	304.19	3,434.38	683.77	-1,006.42	-233.95	0.00	0.00	0.00
3,800.00	26.89	304.19	3,523.57	709.18	-1,043.83	-242.65	0.00	0.00	0.00
3,900.00	26.89	304.19	3,612.76	734.60	-1,081.24	-251.34	0.00	0.00	0.00
4,000.00	26.89	304.19	3,701.95	760.01	-1,118.65	-260.04	0.00	0.00	0.00
4,100.00	26.89	304.19	3,791.13	785.43	-1,156.06	-268.74	0.00	0.00	0.00
4,200.00	26.89	304.19	3,880.32	810.84	-1,193.46	-277.43	0.00	0.00	0.00
4,300.00	26.89	304.19	3,969.51	836.25	-1,230.87	-286.13	0.00	0.00	0.00
4,400.00	26.89	304.19	4,058.70	861.67	-1,268.28	-294.82	0.00	0.00	0.00
4,500.00	26.89	304.19	4,147.89	887.08	-1,305.69	-303.52	0.00	0.00	0.00
4,600.00	26.89	304.19	4,237.08	912.50	-1,343.09	-312.21	0.00	0.00	0.00
4,700.00	26.89	304.19	4,326.27	937.91	-1,380.50	-320.91	0.00	0.00	0.00



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 5HN
<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 5HN	<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)	
4,800.00	26.89	304.19	4,415.46	963.33	-1,417.91	-329.61	0.00	0.00	0.00	
4,900.00	26.89	304.19	4,504.65	988.74	-1,455.32	-338.30	0.00	0.00	0.00	
5,000.00	26.89	304.19	4,593.84	1,014.16	-1,492.73	-347.00	0.00	0.00	0.00	
5,100.00	26.89	304.19	4,683.03	1,039.57	-1,530.13	-355.69	0.00	0.00	0.00	
5,200.00	26.89	304.19	4,772.22	1,064.99	-1,567.54	-364.39	0.00	0.00	0.00	
5,300.00	26.89	304.19	4,861.41	1,090.40	-1,604.95	-373.09	0.00	0.00	0.00	
5,400.00	26.89	304.19	4,950.60	1,115.82	-1,642.36	-381.78	0.00	0.00	0.00	
5,500.00	26.89	304.19	5,039.79	1,141.23	-1,679.76	-390.48	0.00	0.00	0.00	
5,600.00	26.89	304.19	5,128.98	1,166.65	-1,717.17	-399.17	0.00	0.00	0.00	
5,700.00	26.89	304.19	5,218.17	1,192.06	-1,754.58	-407.87	0.00	0.00	0.00	
5,800.00	26.89	304.19	5,307.35	1,217.48	-1,791.99	-416.56	0.00	0.00	0.00	
5,900.00	26.89	304.19	5,396.54	1,242.89	-1,829.40	-425.26	0.00	0.00	0.00	
6,000.00	26.89	304.19	5,485.73	1,268.31	-1,866.80	-433.96	0.00	0.00	0.00	
6,100.00	26.89	304.19	5,574.92	1,293.72	-1,904.21	-442.65	0.00	0.00	0.00	
6,200.00	26.89	304.19	5,664.11	1,319.14	-1,941.62	-451.35	0.00	0.00	0.00	
6,300.00	26.89	304.19	5,753.30	1,344.55	-1,979.03	-460.04	0.00	0.00	0.00	
6,400.00	26.89	304.19	5,842.49	1,369.97	-2,016.43	-468.74	0.00	0.00	0.00	
6,500.00	26.89	304.19	5,931.68	1,395.38	-2,053.84	-477.43	0.00	0.00	0.00	
6,600.00	26.89	304.19	6,020.87	1,420.80	-2,091.25	-486.13	0.00	0.00	0.00	
6,633.17	26.89	304.19	6,050.46	1,429.23	-2,103.66	-489.01	0.00	0.00	0.00	
<b>Drop: 2°/100' @ 6633.17' MD</b>										
6,700.00	25.55	304.19	6,110.41	1,445.82	-2,128.08	-494.69	2.00	-2.00	0.00	
6,800.00	23.55	304.19	6,201.36	1,469.17	-2,162.45	-502.68	2.00	-2.00	0.00	
6,900.00	21.55	304.19	6,293.71	1,490.72	-2,194.17	-510.05	2.00	-2.00	0.00	
7,000.00	19.55	304.19	6,387.34	1,510.45	-2,223.20	-516.80	2.00	-2.00	0.00	
7,100.00	17.55	304.19	6,482.14	1,528.32	-2,249.52	-522.92	2.00	-2.00	0.00	
7,200.00	15.55	304.19	6,577.99	1,544.33	-2,273.08	-528.40	2.00	-2.00	0.00	
7,300.00	13.55	304.19	6,674.78	1,558.45	-2,293.86	-533.23	2.00	-2.00	0.00	
7,400.00	11.55	304.19	6,772.38	1,570.66	-2,311.84	-537.41	2.00	-2.00	0.00	
7,500.00	9.55	304.19	6,870.69	1,580.95	-2,326.98	-540.93	2.00	-2.00	0.00	
7,600.00	7.55	304.19	6,969.57	1,589.31	-2,339.28	-543.79	2.00	-2.00	0.00	
7,700.00	5.55	304.19	7,068.91	1,595.72	-2,348.72	-545.98	2.00	-2.00	0.00	
7,800.00	3.55	304.19	7,168.59	1,600.18	-2,355.28	-547.51	2.00	-2.00	0.00	
7,900.00	1.55	304.19	7,268.49	1,602.68	-2,358.96	-548.36	2.00	-2.00	0.00	
7,977.56	0.00	0.00	7,346.04	1,603.27	-2,359.83	-548.56	2.00	-2.00	0.00	
<b>Hold: 0.00° Inc, 0.00° Azm</b>										
8,000.00	0.00	0.00	7,368.48	1,603.27	-2,359.83	-548.56	0.00	0.00	0.00	
8,100.00	0.00	0.00	7,468.48	1,603.27	-2,359.83	-548.56	0.00	0.00	0.00	
8,200.00	0.00	0.00	7,568.48	1,603.27	-2,359.83	-548.56	0.00	0.00	0.00	
8,277.56	0.00	0.00	7,646.04	1,603.27	-2,359.83	-548.56	0.00	0.00	0.00	
<b>KOP: 10°/100' @ 8277.56' MD - KOP-TAYLOR 6-65 23-26 5HN</b>										
8,300.00	2.24	180.82	7,668.47	1,602.83	-2,359.84	-548.16	10.00	10.00	0.00	
8,350.00	7.24	180.82	7,718.29	1,598.70	-2,359.90	-544.33	10.00	10.00	0.00	
8,400.00	12.24	180.82	7,767.55	1,590.24	-2,360.02	-536.51	10.00	10.00	0.00	
8,450.00	17.24	180.82	7,815.89	1,577.52	-2,360.20	-524.74	10.00	10.00	0.00	
8,500.00	22.24	180.82	7,862.93	1,560.64	-2,360.44	-509.11	10.00	10.00	0.00	
8,550.00	27.24	180.82	7,908.33	1,539.72	-2,360.74	-489.75	10.00	10.00	0.00	
8,600.00	32.24	180.82	7,951.73	1,514.92	-2,361.09	-466.81	10.00	10.00	0.00	
8,650.00	37.24	180.82	7,992.80	1,486.44	-2,361.50	-440.45	10.00	10.00	0.00	
8,700.00	42.24	180.82	8,031.23	1,454.48	-2,361.95	-410.88	10.00	10.00	0.00	
8,750.00	47.24	180.82	8,066.74	1,419.30	-2,362.45	-378.32	10.00	10.00	0.00	
8,800.00	52.24	180.82	8,099.04	1,381.16	-2,363.00	-343.03	10.00	10.00	0.00	
8,850.00	57.24	180.82	8,127.89	1,340.35	-2,363.58	-305.26	10.00	10.00	0.00	



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 5HN
<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 5HN	<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)
8,900.00	62.24	180.82	8,153.07	1,297.18	-2,364.19	-265.31	10.00	10.00	0.00
8,950.00	67.24	180.82	8,174.40	1,251.98	-2,364.84	-223.49	10.00	10.00	0.00
9,000.00	72.24	180.82	8,191.71	1,205.09	-2,365.51	-180.10	10.00	10.00	0.00
9,050.00	77.24	180.82	8,204.86	1,156.87	-2,366.19	-135.48	10.00	10.00	0.00
9,100.00	82.24	180.82	8,213.76	1,107.69	-2,366.89	-89.97	10.00	10.00	0.00
9,150.00	87.24	180.82	8,218.34	1,057.92	-2,367.60	-43.91	10.00	10.00	0.00
9,177.56	90.00	180.82	8,219.00	1,030.37	-2,368.00	-18.42	10.00	10.00	0.00
<b>LP: 9177.56' MD, 90.00° Inc, 180.82° Azm - FTP-TAYLOR 6-65 23-26 5HN</b>									
9,200.00	90.00	180.82	8,219.00	1,007.94	-2,368.31	2.34	0.00	0.00	0.00
9,300.00	90.00	180.82	8,219.00	907.95	-2,369.74	94.87	0.00	0.00	0.00
9,400.00	90.00	180.82	8,219.00	807.96	-2,371.17	187.40	0.00	0.00	0.00
9,500.00	90.00	180.82	8,219.00	707.97	-2,372.59	279.92	0.00	0.00	0.00
9,600.00	90.00	180.82	8,219.00	607.98	-2,374.02	372.45	0.00	0.00	0.00
9,700.00	90.00	180.82	8,219.00	507.99	-2,375.44	464.98	0.00	0.00	0.00
9,800.00	90.00	180.82	8,219.00	408.00	-2,376.87	557.51	0.00	0.00	0.00
9,900.00	90.00	180.82	8,219.00	308.01	-2,378.29	650.03	0.00	0.00	0.00
10,000.00	90.00	180.82	8,219.00	208.02	-2,379.72	742.56	0.00	0.00	0.00
10,100.00	90.00	180.82	8,219.00	108.03	-2,381.14	835.09	0.00	0.00	0.00
10,200.00	90.00	180.82	8,219.00	8.04	-2,382.57	927.62	0.00	0.00	0.00
10,300.00	90.00	180.82	8,219.00	-91.95	-2,383.99	1,020.15	0.00	0.00	0.00
10,400.00	90.00	180.82	8,219.00	-191.94	-2,385.42	1,112.67	0.00	0.00	0.00
10,500.00	90.00	180.82	8,219.00	-291.93	-2,386.84	1,205.20	0.00	0.00	0.00
10,600.00	90.00	180.82	8,219.00	-391.92	-2,388.27	1,297.73	0.00	0.00	0.00
10,700.00	90.00	180.82	8,219.00	-491.91	-2,389.69	1,390.26	0.00	0.00	0.00
10,800.00	90.00	180.82	8,219.00	-591.90	-2,391.12	1,482.78	0.00	0.00	0.00
10,900.00	90.00	180.82	8,219.00	-691.89	-2,392.54	1,575.31	0.00	0.00	0.00
11,000.00	90.00	180.82	8,219.00	-791.88	-2,393.97	1,667.84	0.00	0.00	0.00
11,100.00	90.00	180.82	8,219.00	-891.87	-2,395.39	1,760.37	0.00	0.00	0.00
11,200.00	90.00	180.82	8,219.00	-991.86	-2,396.82	1,852.90	0.00	0.00	0.00
11,300.00	90.00	180.82	8,219.00	-1,091.85	-2,398.24	1,945.42	0.00	0.00	0.00
11,400.00	90.00	180.82	8,219.00	-1,191.84	-2,399.67	2,037.95	0.00	0.00	0.00
11,500.00	90.00	180.82	8,219.00	-1,291.83	-2,401.09	2,130.48	0.00	0.00	0.00
11,600.00	90.00	180.82	8,219.00	-1,391.82	-2,402.52	2,223.01	0.00	0.00	0.00
11,700.00	90.00	180.82	8,219.00	-1,491.81	-2,403.94	2,315.53	0.00	0.00	0.00
11,800.00	90.00	180.82	8,219.00	-1,591.80	-2,405.37	2,408.06	0.00	0.00	0.00
11,900.00	90.00	180.82	8,219.00	-1,691.79	-2,406.79	2,500.59	0.00	0.00	0.00
12,000.00	90.00	180.82	8,219.00	-1,791.78	-2,408.22	2,593.12	0.00	0.00	0.00
12,100.00	90.00	180.82	8,219.00	-1,891.77	-2,409.64	2,685.64	0.00	0.00	0.00
12,200.00	90.00	180.82	8,219.00	-1,991.76	-2,411.07	2,778.17	0.00	0.00	0.00
12,300.00	90.00	180.82	8,219.00	-2,091.75	-2,412.49	2,870.70	0.00	0.00	0.00
12,400.00	90.00	180.82	8,219.00	-2,191.74	-2,413.92	2,963.23	0.00	0.00	0.00
12,500.00	90.00	180.82	8,219.00	-2,291.73	-2,415.34	3,055.76	0.00	0.00	0.00
12,600.00	90.00	180.82	8,219.00	-2,391.72	-2,416.77	3,148.28	0.00	0.00	0.00
12,700.00	90.00	180.82	8,219.00	-2,491.71	-2,418.19	3,240.81	0.00	0.00	0.00
12,800.00	90.00	180.82	8,219.00	-2,591.70	-2,419.62	3,333.34	0.00	0.00	0.00
12,900.00	90.00	180.82	8,219.00	-2,691.69	-2,421.04	3,425.87	0.00	0.00	0.00
13,000.00	90.00	180.82	8,219.00	-2,791.68	-2,422.47	3,518.39	0.00	0.00	0.00
13,100.00	90.00	180.82	8,219.00	-2,891.67	-2,423.89	3,610.92	0.00	0.00	0.00
13,200.00	90.00	180.82	8,219.00	-2,991.66	-2,425.32	3,703.45	0.00	0.00	0.00
13,300.00	90.00	180.82	8,219.00	-3,091.65	-2,426.74	3,795.98	0.00	0.00	0.00
13,400.00	90.00	180.82	8,219.00	-3,191.64	-2,428.17	3,888.51	0.00	0.00	0.00
13,500.00	90.00	180.82	8,219.00	-3,291.63	-2,429.59	3,981.03	0.00	0.00	0.00
13,600.00	90.00	180.82	8,219.00	-3,391.62	-2,431.02	4,073.56	0.00	0.00	0.00
13,700.00	90.00	180.82	8,219.00	-3,491.61	-2,432.44	4,166.09	0.00	0.00	0.00



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 5HN
<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 5HN	<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)	
13,800.00	90.00	180.82	8,219.00	-3,591.60	-2,433.87	4,258.62	0.00	0.00	0.00	
13,900.00	90.00	180.82	8,219.00	-3,691.59	-2,435.29	4,351.14	0.00	0.00	0.00	
14,000.00	90.00	180.82	8,219.00	-3,791.58	-2,436.72	4,443.67	0.00	0.00	0.00	
14,100.00	90.00	180.82	8,219.00	-3,891.57	-2,438.14	4,536.20	0.00	0.00	0.00	
14,200.00	90.00	180.82	8,219.00	-3,991.56	-2,439.57	4,628.73	0.00	0.00	0.00	
14,300.00	90.00	180.82	8,219.00	-4,091.55	-2,440.99	4,721.25	0.00	0.00	0.00	
14,400.00	90.00	180.82	8,219.00	-4,191.54	-2,442.42	4,813.78	0.00	0.00	0.00	
14,500.00	90.00	180.82	8,219.00	-4,291.53	-2,443.84	4,906.31	0.00	0.00	0.00	
14,600.00	90.00	180.82	8,219.00	-4,391.52	-2,445.27	4,998.84	0.00	0.00	0.00	
14,700.00	90.00	180.82	8,219.00	-4,491.51	-2,446.69	5,091.37	0.00	0.00	0.00	
14,800.00	90.00	180.82	8,219.00	-4,591.50	-2,448.12	5,183.89	0.00	0.00	0.00	
14,900.00	90.00	180.82	8,219.00	-4,691.49	-2,449.54	5,276.42	0.00	0.00	0.00	
15,000.00	90.00	180.82	8,219.00	-4,791.47	-2,450.97	5,368.95	0.00	0.00	0.00	
15,100.00	90.00	180.82	8,219.00	-4,891.46	-2,452.39	5,461.48	0.00	0.00	0.00	
15,200.00	90.00	180.82	8,219.00	-4,991.45	-2,453.82	5,554.00	0.00	0.00	0.00	
15,300.00	90.00	180.82	8,219.00	-5,091.44	-2,455.24	5,646.53	0.00	0.00	0.00	
15,400.00	90.00	180.82	8,219.00	-5,191.43	-2,456.67	5,739.06	0.00	0.00	0.00	
15,500.00	90.00	180.82	8,219.00	-5,291.42	-2,458.09	5,831.59	0.00	0.00	0.00	
15,600.00	90.00	180.82	8,219.00	-5,391.41	-2,459.52	5,924.12	0.00	0.00	0.00	
15,700.00	90.00	180.82	8,219.00	-5,491.40	-2,460.94	6,016.64	0.00	0.00	0.00	
15,800.00	90.00	180.82	8,219.00	-5,591.39	-2,462.37	6,109.17	0.00	0.00	0.00	
15,900.00	90.00	180.82	8,219.00	-5,691.38	-2,463.79	6,201.70	0.00	0.00	0.00	
15,936.01	90.00	180.82	8,219.00	-5,727.39	-2,464.31	6,235.02	0.00	0.00	0.00	
<b>Hold: 90.00° Inc, 180.82° Azm - LTP-TAYLOR 6-65 23-26 5HN</b>										
15,986.01	90.00	180.82	8,219.00	-5,777.39	-2,465.02	6,281.28	0.00	0.00	0.00	
<b>TD @ 15986.01' MD/8219.00' TVD - BHL-TAYLOR 6-65 23-26 5HN</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	3,246,606.90	39.509592	-104.625947	
KOP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	7,646.04	1,603.27	-2,359.83	1,613,264.56	3,244,231.76	39.513994	-104.634311	
FTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,219.00	1,030.37	-2,368.00	1,612,691.61	3,244,229.10	39.512421	-104.634340	
BHL-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,219.00	-5,777.39	-2,465.02	1,605,883.23	3,244,197.58	39.493731	-104.634681	
LTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,219.00	-5,727.39	-2,464.31	1,605,933.23	3,244,197.81	39.493868	-104.634679	

<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 5HN
<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 5HN	<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				
2,393.37	2,269.00	Upper Arapahoe				
2,483.06	2,349.00	Laramie - Fox Hills				
2,583.97	2,439.00	Pierre Shale (Base of Fox Hills)				
6,183.06	5,649.00	Sussex Sandstone				
8,590.91	7,944.00	Sharon Springs Shale				
8,632.86	7,979.00	Niobrara				
8,645.24	7,989.00	Niobrara A				
8,808.18	8,104.00	Niobrara B Top				
8,976.26	8,184.00	Niobrara C 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	
1,694.39	1,645.59	174.04	-256.17	Hold: 26.89° Inc, 304.19° Azm	
6,633.17	6,050.46	1,429.23	-2,103.66	Drop: 2°/100' @ 6633.17' MD	
7,977.56	7,346.04	1,603.27	-2,359.83	Hold: 0.00° Inc, 0.00° Azm	
8,277.56	7,646.04	1,603.27	-2,359.83	KOP: 10°/100' @ 8277.56' MD	
9,177.56	8,219.00	1,030.37	-2,368.00	LP: 9177.56' MD, 90.00° Inc, 180.82° Azm	
15,936.01	8,219.00	-5,727.39	-2,464.31	Hold: 90.00° Inc, 180.82° Azm	
15,986.01	8,219.00	-5,777.39	-2,465.02	TD @ 15986.01' MD/8219.00' TVD	