



# **GMT Exploration Company, LLC**

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

**Irwin-Taylor Pad**

**TAYLOR 6-65 23-26 3HN**

**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 3HN  
 Wellbore: Wellbore #1  
 Design: Design #1

# GMT Exploration Company, LLC

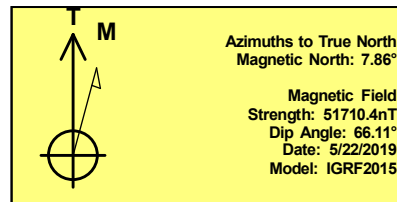
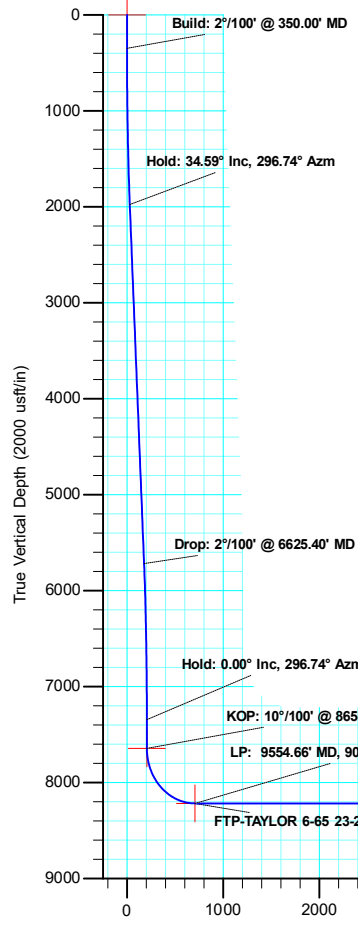
Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Central Zone  
 System Datum: Mean Sea Level

### WELL DETAILS: TAYLOR 6-65 23-26 3HN

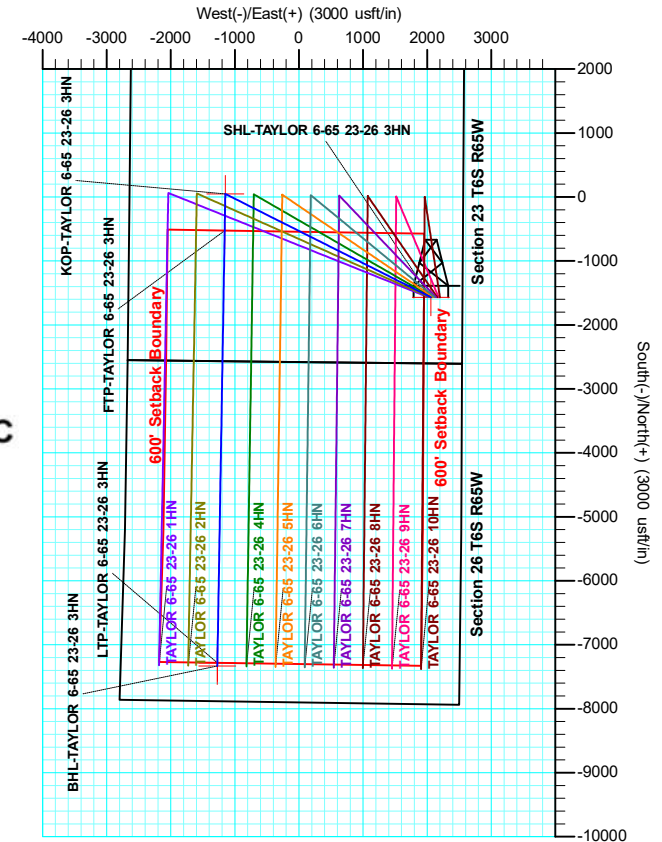
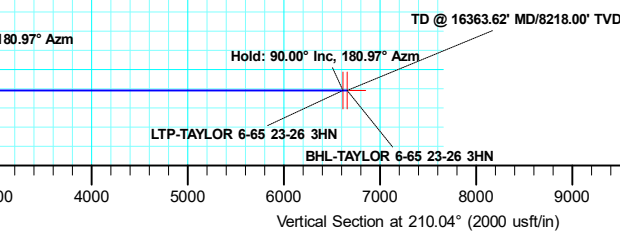
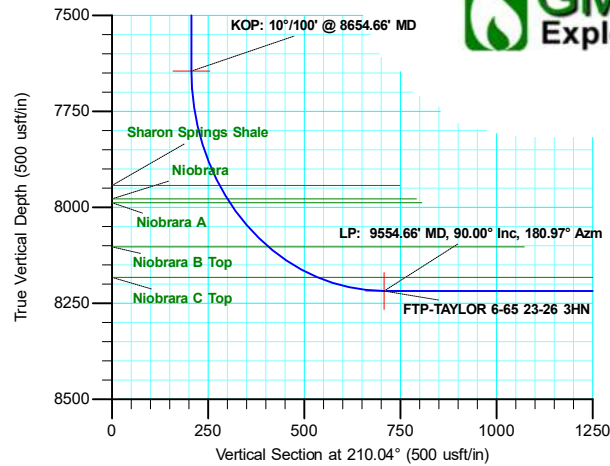
+N/-S	+E/-W	Northing	Ground Level: Easting	6228.00 Latitude	Longitude
-1567.82	2059.90	1611684.07	3246566.90	39.509593	-104.626088

### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	-1567.82	2059.90	0.00	0.00	0.00	
350.00	0.00	0.00	350.00	-1567.82	2059.90	0.00	0.00	0.00	
2079.27	34.59	296.74	1976.15	-1340.05	1607.77	2.00	296.74	29.15	
6625.40	34.59	296.74	5718.89	-179.06	-696.85	0.00	0.00	177.73	
8354.66	0.00	0.00	7345.04	48.70	-1148.98	2.00	180.00	206.87	
8654.66	0.00	0.00	7645.04	48.70	-1148.98	0.00	0.00	206.87	
9554.66	90.00	180.96	8218.00	-524.17	-1158.62	10.00	0.00	707.64	FTP-TAYLOR 6-65 23-26 3HN
16313.62	90.00	180.96	8218.00	-7282.17	-1272.42	0.00	0.00	6614.95	LTP-TAYLOR 6-65 23-26 3HN
16363.62	90.00	180.96	8218.00	-7332.16	-1273.26	0.00	0.00	6658.65	BHL-TAYLOR 6-65 23-26 3HN



SHL: 1034 FSL/ 491 FEL Sec. 23  
 FTP: 2042 FSL/ 1491 FWL Sec. 23  
 LTP: 600 FSL/ 1509 FWL Sec. 26  
 BHL: 550 FSL/ 1509 FWL Sec. 26





<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 3HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6248.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6248.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 3HN	<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 3HN					
<b>Well Position</b>	<b>+N/-S</b>	-1,567.82 usft	<b>Northing:</b>	1,611,684.07 usft	<b>Latitude:</b>	39.509594
	<b>+E/-W</b>	2,059.90 usft	<b>Easting:</b>	3,246,566.90 usft	<b>Longitude:</b>	-104.626088
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	6,228.00 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	51,710.40532450

<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	210.04

<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	16,363.62	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	
2,079.27	34.59	296.74	1,976.15	227.80	-452.11	2.00	2.00	0.00	296.74	
6,625.40	34.59	296.74	5,718.89	1,388.98	-2,756.64	0.00	0.00	0.00	0.00	
8,354.66	0.00	0.00	7,345.04	1,616.78	-3,208.75	2.00	-2.00	0.00	180.00	
8,654.66	0.00	0.00	7,645.04	1,616.78	-3,208.75	0.00	0.00	0.00	0.00	
9,554.66	90.00	180.97	8,218.00	1,043.91	-3,218.44	10.00	10.00	0.00	0.00	FTP-TAYLOR 6-65
16,313.62	90.00	180.97	8,218.00	-5,714.08	-3,332.78	0.00	0.00	0.00	0.00	LTP-TAYLOR 6-65 :
16,363.62	90.00	180.97	8,218.00	-5,764.07	-3,333.62	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 3HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6248.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6248.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 3HN	<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 3HN</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	296.74	400.00	0.20	-0.39	0.03	2.00	2.00	0.00	
500.00	3.00	296.74	499.93	1.77	-3.51	0.23	2.00	2.00	0.00	
600.00	5.00	296.74	599.68	4.91	-9.74	0.63	2.00	2.00	0.00	
700.00	7.00	296.74	699.13	9.61	-19.07	1.23	2.00	2.00	0.00	
800.00	9.00	296.74	798.15	15.87	-31.50	2.03	2.00	2.00	0.00	
900.00	11.00	296.74	896.63	23.68	-47.00	3.03	2.00	2.00	0.00	
1,000.00	13.00	296.74	994.44	33.04	-65.57	4.23	2.00	2.00	0.00	
1,100.00	15.00	296.74	1,091.46	43.92	-87.17	5.62	2.00	2.00	0.00	
1,200.00	17.00	296.74	1,187.58	56.33	-111.79	7.21	2.00	2.00	0.00	
1,300.00	19.00	296.74	1,282.68	70.23	-139.38	8.99	2.00	2.00	0.00	
1,400.00	21.00	296.74	1,376.65	85.62	-169.93	10.96	2.00	2.00	0.00	
1,500.00	23.00	296.74	1,469.36	102.48	-203.38	13.11	2.00	2.00	0.00	
1,600.00	25.00	296.74	1,560.71	120.78	-239.70	15.45	2.00	2.00	0.00	
1,700.00	27.00	296.74	1,650.59	140.50	-278.85	17.98	2.00	2.00	0.00	
1,800.00	29.00	296.74	1,738.88	161.63	-320.77	20.68	2.00	2.00	0.00	
1,900.00	31.00	296.74	1,825.48	184.12	-365.42	23.56	2.00	2.00	0.00	
2,000.00	33.00	296.74	1,910.28	207.97	-412.74	26.61	2.00	2.00	0.00	
2,079.27	34.59	296.74	1,976.15	227.80	-452.11	29.15	2.00	2.00	0.00	
<b>Hold: 34.59° Inc, 296.74° Azm</b>										
2,100.00	34.59	296.74	1,993.22	233.10	-462.62	29.83	0.00	0.00	0.00	
2,200.00	34.59	296.74	2,075.55	258.64	-513.31	33.09	0.00	0.00	0.00	
2,300.00	34.59	296.74	2,157.87	284.18	-564.01	36.36	0.00	0.00	0.00	
2,400.00	34.59	296.74	2,240.20	309.73	-614.70	39.63	0.00	0.00	0.00	
2,500.00	34.59	296.74	2,322.53	335.27	-665.39	42.90	0.00	0.00	0.00	
2,600.00	34.59	296.74	2,404.86	360.81	-716.08	46.17	0.00	0.00	0.00	
2,700.00	34.59	296.74	2,487.19	386.35	-766.77	49.44	0.00	0.00	0.00	
2,800.00	34.59	296.74	2,569.52	411.89	-817.47	52.70	0.00	0.00	0.00	
2,900.00	34.59	296.74	2,651.84	437.44	-868.16	55.97	0.00	0.00	0.00	
3,000.00	34.59	296.74	2,734.17	462.98	-918.85	59.24	0.00	0.00	0.00	
3,100.00	34.59	296.74	2,816.50	488.52	-969.54	62.51	0.00	0.00	0.00	
3,200.00	34.59	296.74	2,898.83	514.06	-1,020.23	65.78	0.00	0.00	0.00	
3,300.00	34.59	296.74	2,981.16	539.60	-1,070.93	69.04	0.00	0.00	0.00	
3,400.00	34.59	296.74	3,063.48	565.15	-1,121.62	72.31	0.00	0.00	0.00	
3,500.00	34.59	296.74	3,145.81	590.69	-1,172.31	75.58	0.00	0.00	0.00	
3,600.00	34.59	296.74	3,228.14	616.23	-1,223.00	78.85	0.00	0.00	0.00	
3,700.00	34.59	296.74	3,310.47	641.77	-1,273.69	82.12	0.00	0.00	0.00	
3,800.00	34.59	296.74	3,392.80	667.31	-1,324.39	85.39	0.00	0.00	0.00	
3,900.00	34.59	296.74	3,475.12	692.86	-1,375.08	88.65	0.00	0.00	0.00	
4,000.00	34.59	296.74	3,557.45	718.40	-1,425.77	91.92	0.00	0.00	0.00	
4,100.00	34.59	296.74	3,639.78	743.94	-1,476.46	95.19	0.00	0.00	0.00	
4,200.00	34.59	296.74	3,722.11	769.48	-1,527.15	98.46	0.00	0.00	0.00	
4,300.00	34.59	296.74	3,804.44	795.02	-1,577.85	101.73	0.00	0.00	0.00	
4,400.00	34.59	296.74	3,886.77	820.57	-1,628.54	105.00	0.00	0.00	0.00	
4,500.00	34.59	296.74	3,969.09	846.11	-1,679.23	108.26	0.00	0.00	0.00	
4,600.00	34.59	296.74	4,051.42	871.65	-1,729.92	111.53	0.00	0.00	0.00	
4,700.00	34.59	296.74	4,133.75	897.19	-1,780.61	114.80	0.00	0.00	0.00	



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 3HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6248.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6248.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 3HN	<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	34.59	296.74	4,216.08	922.73	-1,831.31	118.07	0.00	0.00	0.00	
4,900.00	34.59	296.74	4,298.41	948.28	-1,882.00	121.34	0.00	0.00	0.00	
5,000.00	34.59	296.74	4,380.73	973.82	-1,932.69	124.60	0.00	0.00	0.00	
5,100.00	34.59	296.74	4,463.06	999.36	-1,983.38	127.87	0.00	0.00	0.00	
5,200.00	34.59	296.74	4,545.39	1,024.90	-2,034.08	131.14	0.00	0.00	0.00	
5,300.00	34.59	296.74	4,627.72	1,050.44	-2,084.77	134.41	0.00	0.00	0.00	
5,400.00	34.59	296.74	4,710.05	1,075.99	-2,135.46	137.68	0.00	0.00	0.00	
5,500.00	34.59	296.74	4,792.37	1,101.53	-2,186.15	140.95	0.00	0.00	0.00	
5,600.00	34.59	296.74	4,874.70	1,127.07	-2,236.84	144.21	0.00	0.00	0.00	
5,700.00	34.59	296.74	4,957.03	1,152.61	-2,287.54	147.48	0.00	0.00	0.00	
5,800.00	34.59	296.74	5,039.36	1,178.16	-2,338.23	150.75	0.00	0.00	0.00	
5,900.00	34.59	296.74	5,121.69	1,203.70	-2,388.92	154.02	0.00	0.00	0.00	
6,000.00	34.59	296.74	5,204.02	1,229.24	-2,439.61	157.29	0.00	0.00	0.00	
6,100.00	34.59	296.74	5,286.34	1,254.78	-2,490.30	160.56	0.00	0.00	0.00	
6,200.00	34.59	296.74	5,368.67	1,280.32	-2,541.00	163.82	0.00	0.00	0.00	
6,300.00	34.59	296.74	5,451.00	1,305.87	-2,591.69	167.09	0.00	0.00	0.00	
6,400.00	34.59	296.74	5,533.33	1,331.41	-2,642.38	170.36	0.00	0.00	0.00	
6,500.00	34.59	296.74	5,615.66	1,356.95	-2,693.07	173.63	0.00	0.00	0.00	
6,600.00	34.59	296.74	5,697.98	1,382.49	-2,743.76	176.90	0.00	0.00	0.00	
6,625.40	34.59	296.74	5,718.89	1,388.98	-2,756.64	177.73	0.00	0.00	0.00	
<b>Drop: 2°/100' @ 6625.40' MD</b>										
6,700.00	33.09	296.74	5,780.86	1,407.67	-2,793.74	180.12	2.00	-2.00	0.00	
6,800.00	31.09	296.74	5,865.57	1,431.58	-2,841.18	183.18	2.00	-2.00	0.00	
6,900.00	29.09	296.74	5,952.09	1,454.14	-2,885.96	186.06	2.00	-2.00	0.00	
7,000.00	27.09	296.74	6,040.30	1,475.33	-2,928.01	188.78	2.00	-2.00	0.00	
7,100.00	25.09	296.74	6,130.10	1,495.12	-2,967.29	191.31	2.00	-2.00	0.00	
7,200.00	23.09	296.74	6,221.39	1,513.49	-3,003.74	193.66	2.00	-2.00	0.00	
7,300.00	21.09	296.74	6,314.04	1,530.41	-3,037.33	195.82	2.00	-2.00	0.00	
7,400.00	19.09	296.74	6,407.95	1,545.87	-3,068.01	197.80	2.00	-2.00	0.00	
7,500.00	17.09	296.74	6,503.00	1,559.84	-3,095.74	199.59	2.00	-2.00	0.00	
7,600.00	15.09	296.74	6,599.08	1,572.31	-3,120.49	201.18	2.00	-2.00	0.00	
7,700.00	13.09	296.74	6,696.06	1,583.27	-3,142.24	202.59	2.00	-2.00	0.00	
7,800.00	11.09	296.74	6,793.84	1,592.70	-3,160.95	203.79	2.00	-2.00	0.00	
7,900.00	9.09	296.74	6,892.28	1,600.58	-3,176.60	204.80	2.00	-2.00	0.00	
8,000.00	7.09	296.74	6,991.28	1,606.92	-3,189.17	205.61	2.00	-2.00	0.00	
8,100.00	5.09	296.74	7,090.71	1,611.69	-3,198.65	206.22	2.00	-2.00	0.00	
8,200.00	3.09	296.74	7,190.45	1,614.90	-3,205.02	206.63	2.00	-2.00	0.00	
8,300.00	1.09	296.74	7,290.38	1,616.55	-3,208.28	206.84	2.00	-2.00	0.00	
8,354.66	0.00	0.00	7,345.04	1,616.78	-3,208.75	206.87	2.00	-2.00	0.00	
<b>Hold: 0.00° Inc, 296.74° Azm</b>										
8,400.00	0.00	0.00	7,390.38	1,616.78	-3,208.75	206.87	0.00	0.00	0.00	
8,500.00	0.00	0.00	7,490.38	1,616.78	-3,208.75	206.87	0.00	0.00	0.00	
8,600.00	0.00	0.00	7,590.38	1,616.78	-3,208.75	206.87	0.00	0.00	0.00	
8,654.66	0.00	0.00	7,645.04	1,616.78	-3,208.75	206.87	0.00	0.00	0.00	
<b>KOP: 10°/100' @ 8654.66' MD - KOP-TAYLOR 6-65 23-26 3HN</b>										
8,700.00	4.53	180.97	7,690.33	1,614.99	-3,208.78	208.44	10.00	10.00	0.00	
8,750.00	9.53	180.97	7,739.94	1,608.87	-3,208.88	213.79	10.00	10.00	0.00	
8,800.00	14.53	180.97	7,788.82	1,598.45	-3,209.06	222.90	10.00	10.00	0.00	
8,850.00	19.53	180.97	7,836.62	1,583.81	-3,209.31	235.70	10.00	10.00	0.00	
8,900.00	24.53	180.97	7,882.95	1,565.06	-3,209.62	252.08	10.00	10.00	0.00	
8,950.00	29.53	180.97	7,927.47	1,542.35	-3,210.01	271.94	10.00	10.00	0.00	
9,000.00	34.53	180.97	7,969.85	1,515.84	-3,210.46	295.11	10.00	10.00	0.00	
9,050.00	39.53	180.97	8,009.75	1,485.74	-3,210.97	321.42	10.00	10.00	0.00	



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 3HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6248.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6248.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 3HN	<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)
9,100.00	44.53	180.97	8,046.87	1,452.27	-3,211.53	350.67	10.00	10.00	0.00
9,150.00	49.53	180.97	8,080.94	1,415.70	-3,212.15	382.64	10.00	10.00	0.00
9,200.00	54.53	180.97	8,111.69	1,376.30	-3,212.82	417.08	10.00	10.00	0.00
9,250.00	59.53	180.97	8,138.89	1,334.37	-3,213.53	453.73	10.00	10.00	0.00
9,300.00	64.53	180.97	8,162.33	1,290.23	-3,214.27	492.32	10.00	10.00	0.00
9,350.00	69.53	180.97	8,181.83	1,244.22	-3,215.05	532.54	10.00	10.00	0.00
9,400.00	74.53	180.97	8,197.25	1,196.68	-3,215.86	574.10	10.00	10.00	0.00
9,450.00	79.53	180.97	8,208.47	1,147.97	-3,216.68	616.67	10.00	10.00	0.00
9,500.00	84.53	180.97	8,215.39	1,098.48	-3,217.52	659.93	10.00	10.00	0.00
9,554.66	90.00	180.97	8,218.00	1,043.91	-3,218.44	707.64	10.00	10.00	0.00
<b>LP: 9554.66' MD, 90.00° Inc, 180.97° Azm - FTP-TAYLOR 6-65 23-26 3HN</b>									
9,600.00	90.00	180.97	8,218.00	998.58	-3,219.21	747.26	0.00	0.00	0.00
9,700.00	90.00	180.97	8,218.00	898.59	-3,220.90	834.66	0.00	0.00	0.00
9,800.00	90.00	180.97	8,218.00	798.61	-3,222.59	922.06	0.00	0.00	0.00
9,900.00	90.00	180.97	8,218.00	698.62	-3,224.28	1,009.46	0.00	0.00	0.00
10,000.00	90.00	180.97	8,218.00	598.63	-3,225.98	1,096.86	0.00	0.00	0.00
10,100.00	90.00	180.97	8,218.00	498.65	-3,227.67	1,184.26	0.00	0.00	0.00
10,200.00	90.00	180.97	8,218.00	398.66	-3,229.36	1,271.66	0.00	0.00	0.00
10,300.00	90.00	180.97	8,218.00	298.68	-3,231.05	1,359.06	0.00	0.00	0.00
10,400.00	90.00	180.97	8,218.00	198.69	-3,232.74	1,446.46	0.00	0.00	0.00
10,500.00	90.00	180.97	8,218.00	98.71	-3,234.43	1,533.86	0.00	0.00	0.00
10,600.00	90.00	180.97	8,218.00	-1.28	-3,236.12	1,621.26	0.00	0.00	0.00
10,700.00	90.00	180.97	8,218.00	-101.27	-3,237.82	1,708.66	0.00	0.00	0.00
10,800.00	90.00	180.97	8,218.00	-201.25	-3,239.51	1,796.06	0.00	0.00	0.00
10,900.00	90.00	180.97	8,218.00	-301.24	-3,241.20	1,883.46	0.00	0.00	0.00
11,000.00	90.00	180.97	8,218.00	-401.22	-3,242.89	1,970.86	0.00	0.00	0.00
11,100.00	90.00	180.97	8,218.00	-501.21	-3,244.58	2,058.26	0.00	0.00	0.00
11,200.00	90.00	180.97	8,218.00	-601.19	-3,246.27	2,145.66	0.00	0.00	0.00
11,300.00	90.00	180.97	8,218.00	-701.18	-3,247.97	2,233.06	0.00	0.00	0.00
11,400.00	90.00	180.97	8,218.00	-801.17	-3,249.66	2,320.46	0.00	0.00	0.00
11,500.00	90.00	180.97	8,218.00	-901.15	-3,251.35	2,407.86	0.00	0.00	0.00
11,600.00	90.00	180.97	8,218.00	-1,001.14	-3,253.04	2,495.26	0.00	0.00	0.00
11,700.00	90.00	180.97	8,218.00	-1,101.12	-3,254.73	2,582.66	0.00	0.00	0.00
11,800.00	90.00	180.97	8,218.00	-1,201.11	-3,256.42	2,670.06	0.00	0.00	0.00
11,900.00	90.00	180.97	8,218.00	-1,301.09	-3,258.12	2,757.46	0.00	0.00	0.00
12,000.00	90.00	180.97	8,218.00	-1,401.08	-3,259.81	2,844.86	0.00	0.00	0.00
12,100.00	90.00	180.97	8,218.00	-1,501.07	-3,261.50	2,932.26	0.00	0.00	0.00
12,200.00	90.00	180.97	8,218.00	-1,601.05	-3,263.19	3,019.66	0.00	0.00	0.00
12,300.00	90.00	180.97	8,218.00	-1,701.04	-3,264.88	3,107.06	0.00	0.00	0.00
12,400.00	90.00	180.97	8,218.00	-1,801.02	-3,266.57	3,194.45	0.00	0.00	0.00
12,500.00	90.00	180.97	8,218.00	-1,901.01	-3,268.27	3,281.85	0.00	0.00	0.00
12,600.00	90.00	180.97	8,218.00	-2,000.99	-3,269.96	3,369.25	0.00	0.00	0.00
12,700.00	90.00	180.97	8,218.00	-2,100.98	-3,271.65	3,456.65	0.00	0.00	0.00
12,800.00	90.00	180.97	8,218.00	-2,200.97	-3,273.34	3,544.05	0.00	0.00	0.00
12,900.00	90.00	180.97	8,218.00	-2,300.95	-3,275.03	3,631.45	0.00	0.00	0.00
13,000.00	90.00	180.97	8,218.00	-2,400.94	-3,276.72	3,718.85	0.00	0.00	0.00
13,100.00	90.00	180.97	8,218.00	-2,500.92	-3,278.41	3,806.25	0.00	0.00	0.00
13,200.00	90.00	180.97	8,218.00	-2,600.91	-3,280.11	3,893.65	0.00	0.00	0.00
13,300.00	90.00	180.97	8,218.00	-2,700.89	-3,281.80	3,981.05	0.00	0.00	0.00
13,400.00	90.00	180.97	8,218.00	-2,800.88	-3,283.49	4,068.45	0.00	0.00	0.00
13,500.00	90.00	180.97	8,218.00	-2,900.87	-3,285.18	4,155.85	0.00	0.00	0.00
13,600.00	90.00	180.97	8,218.00	-3,000.85	-3,286.87	4,243.25	0.00	0.00	0.00
13,700.00	90.00	180.97	8,218.00	-3,100.84	-3,288.56	4,330.65	0.00	0.00	0.00
13,800.00	90.00	180.97	8,218.00	-3,200.82	-3,290.26	4,418.05	0.00	0.00	0.00



<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 3HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6248.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6248.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 3HN	<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	180.97	8,218.00	-3,300.81	-3,291.95	4,505.45	0.00	0.00	0.00	
14,000.00	90.00	180.97	8,218.00	-3,400.79	-3,293.64	4,592.85	0.00	0.00	0.00	
14,100.00	90.00	180.97	8,218.00	-3,500.78	-3,295.33	4,680.25	0.00	0.00	0.00	
14,200.00	90.00	180.97	8,218.00	-3,600.77	-3,297.02	4,767.65	0.00	0.00	0.00	
14,300.00	90.00	180.97	8,218.00	-3,700.75	-3,298.71	4,855.05	0.00	0.00	0.00	
14,400.00	90.00	180.97	8,218.00	-3,800.74	-3,300.41	4,942.45	0.00	0.00	0.00	
14,500.00	90.00	180.97	8,218.00	-3,900.72	-3,302.10	5,029.85	0.00	0.00	0.00	
14,600.00	90.00	180.97	8,218.00	-4,000.71	-3,303.79	5,117.25	0.00	0.00	0.00	
14,700.00	90.00	180.97	8,218.00	-4,100.69	-3,305.48	5,204.65	0.00	0.00	0.00	
14,800.00	90.00	180.97	8,218.00	-4,200.68	-3,307.17	5,292.05	0.00	0.00	0.00	
14,900.00	90.00	180.97	8,218.00	-4,300.66	-3,308.86	5,379.45	0.00	0.00	0.00	
15,000.00	90.00	180.97	8,218.00	-4,400.65	-3,310.55	5,466.85	0.00	0.00	0.00	
15,100.00	90.00	180.97	8,218.00	-4,500.64	-3,312.25	5,554.25	0.00	0.00	0.00	
15,200.00	90.00	180.97	8,218.00	-4,600.62	-3,313.94	5,641.65	0.00	0.00	0.00	
15,300.00	90.00	180.97	8,218.00	-4,700.61	-3,315.63	5,729.05	0.00	0.00	0.00	
15,400.00	90.00	180.97	8,218.00	-4,800.59	-3,317.32	5,816.45	0.00	0.00	0.00	
15,500.00	90.00	180.97	8,218.00	-4,900.58	-3,319.01	5,903.85	0.00	0.00	0.00	
15,600.00	90.00	180.97	8,218.00	-5,000.56	-3,320.70	5,991.25	0.00	0.00	0.00	
15,700.00	90.00	180.97	8,218.00	-5,100.55	-3,322.40	6,078.65	0.00	0.00	0.00	
15,800.00	90.00	180.97	8,218.00	-5,200.54	-3,324.09	6,166.05	0.00	0.00	0.00	
15,900.00	90.00	180.97	8,218.00	-5,300.52	-3,325.78	6,253.45	0.00	0.00	0.00	
16,000.00	90.00	180.97	8,218.00	-5,400.51	-3,327.47	6,340.85	0.00	0.00	0.00	
16,100.00	90.00	180.97	8,218.00	-5,500.49	-3,329.16	6,428.25	0.00	0.00	0.00	
16,200.00	90.00	180.97	8,218.00	-5,600.48	-3,330.85	6,515.65	0.00	0.00	0.00	
16,300.00	90.00	180.97	8,218.00	-5,700.46	-3,332.55	6,603.04	0.00	0.00	0.00	
16,313.62	90.00	180.97	8,218.00	-5,714.08	-3,332.78	6,614.95	0.00	0.00	0.00	
<b>Hold: 90.00° Inc, 180.97° Azm - LTP-TAYLOR 6-65 23-26 3HN</b>										
16,363.62	90.00	180.97	8,218.00	-5,764.07	-3,333.62	6,658.65	0.00	0.00	0.00	
<b>TD @ 16363.62' MD/8218.00' TVD - BHL-TAYLOR 6-65 23-26 3HN</b>										

Design Targets

Target Name	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	3,246,566.90	39.509594	-104.626088
KOP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	7,645.04	1,616.78	-3,208.75	1,613,269.91	3,243,342.75	39.514032	-104.637462
LTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,218.00	-5,714.08	-3,332.78	1,605,938.19	3,243,289.25	39.493905	-104.637898
BHL-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,218.00	-5,764.07	-3,333.62	1,605,888.19	3,243,288.88	39.493768	-104.637901
FTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,218.00	1,043.91	-3,218.44	1,612,696.96	3,243,338.57	39.512459	-104.637496

<b>Database:</b>	Local	<b>Local Co-ordinate Reference:</b>	Well TAYLOR6-65 23-26 3HN
<b>Company:</b>	GMT Exploration Company, LLC	<b>TVD Reference:</b>	KB @ 6248.00usft
<b>Project:</b>	Elbert County, CO (NAD 83)	<b>MD Reference:</b>	KB @ 6248.00usft
<b>Site:</b>	Irwin-Taylor Pad	<b>North Reference:</b>	True
<b>Well:</b>	TAYLOR 6-65 23-26 3HN	<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 (°)	
512.09	512.00	Denver				
2,433.76	2,268.00	Upper Arapahoe				
2,530.94	2,348.00	Laramie - Fox Hills				
2,640.25	2,438.00	Pierre Shale (Base of Fox Hills)				
6,539.29	5,648.00	Sussex Sandstone				
8,968.01	7,943.00	Sharon Springs Shale				
9,009.96	7,978.00	Niobrara				
9,022.34	7,988.00	Niobrara A				
9,185.28	8,103.00	Niobrara B Top				
9,353.36	8,183.00	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	
2,079.27	1,976.15	227.80	-452.11	Hold: 34.59° Inc, 296.74° Azm	
6,625.40	5,718.89	1,388.98	-2,756.64	Drop: 2°/100' @ 6625.40' MD	
8,354.66	7,345.04	1,616.78	-3,208.75	Hold: 0.00° Inc, 296.74° Azm	
8,654.66	7,645.04	1,616.78	-3,208.75	KOP: 10°/100' @ 8654.66' MD	
9,554.66	8,218.00	1,043.91	-3,218.44	LP: 9554.66' MD, 90.00° Inc, 180.97° Azm	
16,313.62	8,218.00	-5,714.08	-3,332.78	Hold: 90.00° Inc, 180.97° Azm	
16,363.62	8,218.00	-5,764.07	-3,333.62	TD @ 16363.62' MD/8218.00' TVD	