



GMT Exploration Company, LLC

Elbert County, CO (NAD 83)

Irwin-Taylor Pad

TAYLOR 6-65 23-26 9HN

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 9HN
 Wellbore: Wellbore #1
 Design: Design #1

GMT Exploration Company, LLC

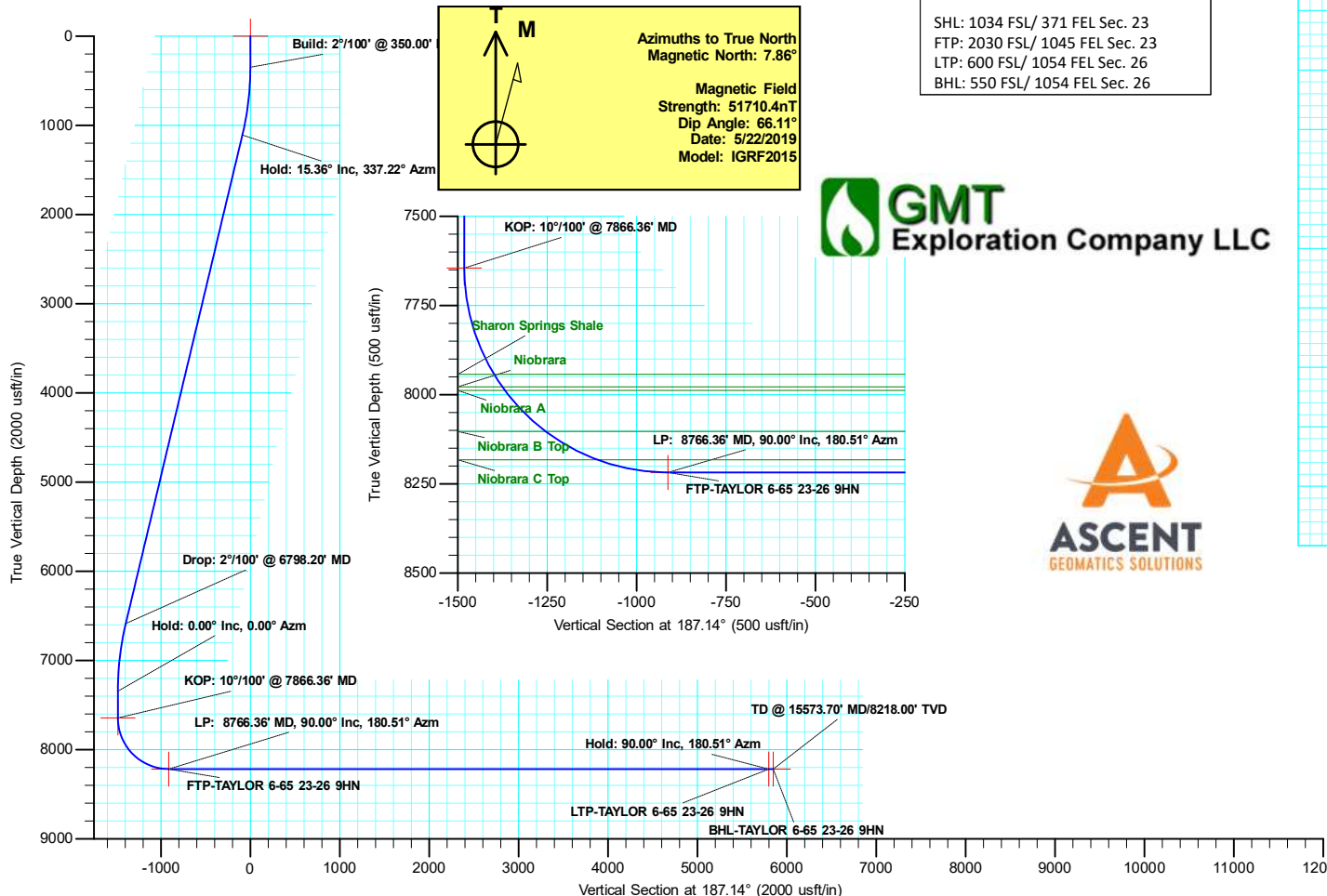
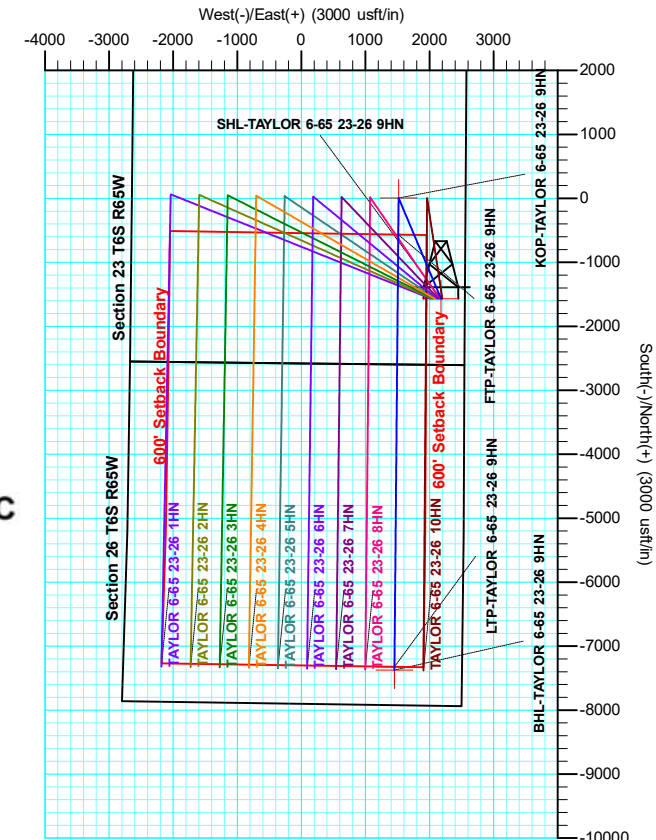
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Central Zone
 System Datum: Mean Sea Level

WELL DETAILS: TAYLOR 6-65 23-26 9HN

+N/-S	+E/-W	Northing	Ground Level: Easting	6228.00 Latitude	Longitude
-1568.96	2179.90	1611684.07	3246686.90	39.509590	-104.625663

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	-1568.96	2179.90	0.00	0.00	0.00	
350.00	0.00	0.00	350.00	-1568.96	2179.90	0.00	0.00	0.00	
1118.16	15.36	337.21	1108.99	-1474.58	2140.25	2.00	337.21	-88.72	
6798.20	15.36	337.21	6586.05	-87.18	1557.42	0.00	0.00	-1392.88	
7566.36	0.00	0.00	7345.04	7.20	1517.77	2.00	180.00	-1481.60	
7866.36	0.00	0.00	7645.04	7.20	1517.77	0.00	0.00	-1481.60	
8766.36	90.00	180.51	8218.00	-565.73	1512.71	10.00	0.00	-912.49	FTP-TAYLOR 6-65 23-26 9HN
15523.70	90.00	180.51	8218.00	-7322.81	1453.02	0.00	0.00	5799.57	LTP-TAYLOR 6-65 23-26 9HN
15573.70	90.00	180.51	8218.00	-7372.81	1452.58	0.00	0.00	5849.24	BHL-TAYLOR 6-65 23-26 9HN



SHL: 1034 FSL/ 371 FEL Sec. 23
 FTP: 2030 FSL/ 1045 FEL Sec. 23
 LTP: 600 FSL/ 1054 FEL Sec. 26
 BHL: 550 FSL/ 1054 FEL Sec. 26





Database:	Local	Local Co-ordinate Reference:	Well TAYLOR6-65 23-26 9HN
Company:	GMT Exploration Company, LLC	TVD Reference:	KB @ 6248.00usft
Project:	Elbert County, CO (NAD 83)	MD Reference:	KB @ 6248.00usft
Site:	Irwin-Taylor Pad	North Reference:	True
Well:	TAYLOR 6-65 23-26 9HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

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

Well	TAYLOR 6-65 23-26 9HN					
Well Position	+N/-S	-1,568.96 usft	Northing:	1,611,684.07 usft	Latitude:	39.509590
	+E/-W	2,179.90 usft	Easting:	3,246,686.90 usft	Longitude:	-104.625663
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	6,228.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/22/2019	7.86	66.11	51,710.44841958

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	187.15

Plan Survey Tool Program	Date	5/24/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	15,573.70	Design #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
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	
1,118.16	15.36	337.22	1,108.99	94.38	-39.64	2.00	2.00	0.00	337.22	
6,798.20	15.36	337.22	6,586.05	1,481.84	-622.35	0.00	0.00	0.00	0.00	
7,566.36	0.00	0.00	7,345.04	1,576.22	-661.99	2.00	-2.00	0.00	180.00	
7,866.36	0.00	0.00	7,645.04	1,576.22	-661.99	0.00	0.00	0.00	0.00	
8,766.36	90.00	180.51	8,218.00	1,003.29	-667.10	10.00	10.00	0.00	0.00	FTP-TAYLOR 6-65
15,523.70	90.00	180.51	8,218.00	-5,753.79	-727.36	0.00	0.00	0.00	0.00	LTP-TAYLOR 6-65 :
15,573.70	90.00	180.51	8,218.00	-5,803.78	-727.81	0.00	0.00	0.00	0.00	BHL-TAYLOR 6-65



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Site:	Irwin-Taylor Pad	North Reference:	True
Well:	TAYLOR 6-65 23-26 9HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
SHL-TAYLOR 6-65 23-26 9HN									
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
Build: 2°/100' @ 350.00' MD									
400.00	1.00	337.22	400.00	0.40	-0.17	-0.38	2.00	2.00	0.00
500.00	3.00	337.22	499.93	3.62	-1.52	-3.40	2.00	2.00	0.00
600.00	5.00	337.22	599.68	10.05	-4.22	-9.45	2.00	2.00	0.00
700.00	7.00	337.22	699.13	19.69	-8.27	-18.51	2.00	2.00	0.00
800.00	9.00	337.22	798.15	32.52	-13.66	-30.57	2.00	2.00	0.00
900.00	11.00	337.22	896.63	48.53	-20.38	-45.61	2.00	2.00	0.00
1,000.00	13.00	337.22	994.44	67.70	-28.43	-63.63	2.00	2.00	0.00
1,100.00	15.00	337.22	1,091.46	90.00	-37.80	-84.60	2.00	2.00	0.00
1,118.16	15.36	337.22	1,108.99	94.38	-39.64	-88.72	2.00	2.00	0.00
Hold: 15.36° Inc, 337.22° Azm									
1,200.00	15.36	337.22	1,187.90	114.38	-48.04	-107.51	0.00	0.00	0.00
1,300.00	15.36	337.22	1,284.33	138.80	-58.30	-130.47	0.00	0.00	0.00
1,400.00	15.36	337.22	1,380.76	163.23	-68.55	-153.43	0.00	0.00	0.00
1,500.00	15.36	337.22	1,477.18	187.66	-78.81	-176.39	0.00	0.00	0.00
1,600.00	15.36	337.22	1,573.61	212.08	-89.07	-199.35	0.00	0.00	0.00
1,700.00	15.36	337.22	1,670.04	236.51	-99.33	-222.31	0.00	0.00	0.00
1,800.00	15.36	337.22	1,766.46	260.94	-109.59	-245.27	0.00	0.00	0.00
1,900.00	15.36	337.22	1,862.89	285.36	-119.85	-268.23	0.00	0.00	0.00
2,000.00	15.36	337.22	1,959.32	309.79	-130.11	-291.19	0.00	0.00	0.00
2,100.00	15.36	337.22	2,055.74	334.22	-140.37	-314.15	0.00	0.00	0.00
2,200.00	15.36	337.22	2,152.17	358.64	-150.63	-337.11	0.00	0.00	0.00
2,300.00	15.36	337.22	2,248.60	383.07	-160.88	-360.08	0.00	0.00	0.00
2,400.00	15.36	337.22	2,345.02	407.50	-171.14	-383.04	0.00	0.00	0.00
2,500.00	15.36	337.22	2,441.45	431.92	-181.40	-406.00	0.00	0.00	0.00
2,600.00	15.36	337.22	2,537.88	456.35	-191.66	-428.96	0.00	0.00	0.00
2,700.00	15.36	337.22	2,634.30	480.78	-201.92	-451.92	0.00	0.00	0.00
2,800.00	15.36	337.22	2,730.73	505.21	-212.18	-474.88	0.00	0.00	0.00
2,900.00	15.36	337.22	2,827.16	529.63	-222.44	-497.84	0.00	0.00	0.00
3,000.00	15.36	337.22	2,923.58	554.06	-232.70	-520.80	0.00	0.00	0.00
3,100.00	15.36	337.22	3,020.01	578.49	-242.96	-543.76	0.00	0.00	0.00
3,200.00	15.36	337.22	3,116.44	602.91	-253.22	-566.72	0.00	0.00	0.00
3,300.00	15.36	337.22	3,212.86	627.34	-263.47	-589.68	0.00	0.00	0.00
3,400.00	15.36	337.22	3,309.29	651.77	-273.73	-612.64	0.00	0.00	0.00
3,500.00	15.36	337.22	3,405.71	676.19	-283.99	-635.60	0.00	0.00	0.00
3,600.00	15.36	337.22	3,502.14	700.62	-294.25	-658.56	0.00	0.00	0.00
3,700.00	15.36	337.22	3,598.57	725.05	-304.51	-681.52	0.00	0.00	0.00
3,800.00	15.36	337.22	3,694.99	749.47	-314.77	-704.48	0.00	0.00	0.00
3,900.00	15.36	337.22	3,791.42	773.90	-325.03	-727.44	0.00	0.00	0.00
4,000.00	15.36	337.22	3,887.85	798.33	-335.29	-750.40	0.00	0.00	0.00
4,100.00	15.36	337.22	3,984.27	822.75	-345.55	-773.36	0.00	0.00	0.00
4,200.00	15.36	337.22	4,080.70	847.18	-355.80	-796.33	0.00	0.00	0.00
4,300.00	15.36	337.22	4,177.13	871.61	-366.06	-819.29	0.00	0.00	0.00
4,400.00	15.36	337.22	4,273.55	896.03	-376.32	-842.25	0.00	0.00	0.00
4,500.00	15.36	337.22	4,369.98	920.46	-386.58	-865.21	0.00	0.00	0.00
4,600.00	15.36	337.22	4,466.41	944.89	-396.84	-888.17	0.00	0.00	0.00
4,700.00	15.36	337.22	4,562.83	969.31	-407.10	-911.13	0.00	0.00	0.00



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Well:	TAYLOR 6-65 23-26 9HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	15.36	337.22	4,659.26	993.74	-417.36	-934.09	0.00	0.00	0.00
4,900.00	15.36	337.22	4,755.69	1,018.17	-427.62	-957.05	0.00	0.00	0.00
5,000.00	15.36	337.22	4,852.11	1,042.60	-437.88	-980.01	0.00	0.00	0.00
5,100.00	15.36	337.22	4,948.54	1,067.02	-448.14	-1,002.97	0.00	0.00	0.00
5,200.00	15.36	337.22	5,044.97	1,091.45	-458.39	-1,025.93	0.00	0.00	0.00
5,300.00	15.36	337.22	5,141.39	1,115.88	-468.65	-1,048.89	0.00	0.00	0.00
5,400.00	15.36	337.22	5,237.82	1,140.30	-478.91	-1,071.85	0.00	0.00	0.00
5,500.00	15.36	337.22	5,334.25	1,164.73	-489.17	-1,094.81	0.00	0.00	0.00
5,600.00	15.36	337.22	5,430.67	1,189.16	-499.43	-1,117.77	0.00	0.00	0.00
5,700.00	15.36	337.22	5,527.10	1,213.58	-509.69	-1,140.73	0.00	0.00	0.00
5,800.00	15.36	337.22	5,623.53	1,238.01	-519.95	-1,163.69	0.00	0.00	0.00
5,900.00	15.36	337.22	5,719.95	1,262.44	-530.21	-1,186.65	0.00	0.00	0.00
6,000.00	15.36	337.22	5,816.38	1,286.86	-540.47	-1,209.61	0.00	0.00	0.00
6,100.00	15.36	337.22	5,912.81	1,311.29	-550.72	-1,232.57	0.00	0.00	0.00
6,200.00	15.36	337.22	6,009.23	1,335.72	-560.98	-1,255.54	0.00	0.00	0.00
6,300.00	15.36	337.22	6,105.66	1,360.14	-571.24	-1,278.50	0.00	0.00	0.00
6,400.00	15.36	337.22	6,202.09	1,384.57	-581.50	-1,301.46	0.00	0.00	0.00
6,500.00	15.36	337.22	6,298.51	1,409.00	-591.76	-1,324.42	0.00	0.00	0.00
6,600.00	15.36	337.22	6,394.94	1,433.42	-602.02	-1,347.38	0.00	0.00	0.00
6,700.00	15.36	337.22	6,491.37	1,457.85	-612.28	-1,370.34	0.00	0.00	0.00
6,798.20	15.36	337.22	6,586.05	1,481.84	-622.35	-1,392.88	0.00	0.00	0.00
Drop: 2°/100' @ 6798.20' MD									
6,800.00	15.33	337.22	6,587.79	1,482.28	-622.54	-1,393.30	2.00	-2.00	0.00
6,900.00	13.33	337.22	6,684.68	1,505.09	-632.12	-1,414.74	2.00	-2.00	0.00
7,000.00	11.33	337.22	6,782.37	1,524.78	-640.39	-1,433.24	2.00	-2.00	0.00
7,100.00	9.33	337.22	6,880.74	1,541.30	-647.33	-1,448.78	2.00	-2.00	0.00
7,200.00	7.33	337.22	6,979.68	1,554.65	-652.93	-1,461.33	2.00	-2.00	0.00
7,300.00	5.33	337.22	7,079.07	1,564.81	-657.20	-1,470.88	2.00	-2.00	0.00
7,400.00	3.33	337.22	7,178.78	1,571.77	-660.12	-1,477.42	2.00	-2.00	0.00
7,500.00	1.33	337.22	7,278.69	1,575.51	-661.70	-1,480.94	2.00	-2.00	0.00
7,566.36	0.00	0.00	7,345.04	1,576.22	-661.99	-1,481.60	2.00	-2.00	0.00
Hold: 0.00° Inc, 0.00° Azm									
7,600.00	0.00	0.00	7,378.68	1,576.22	-661.99	-1,481.60	0.00	0.00	0.00
7,700.00	0.00	0.00	7,478.68	1,576.22	-661.99	-1,481.60	0.00	0.00	0.00
7,800.00	0.00	0.00	7,578.68	1,576.22	-661.99	-1,481.60	0.00	0.00	0.00
7,866.36	0.00	0.00	7,645.04	1,576.22	-661.99	-1,481.60	0.00	0.00	0.00
KOP: 10°/100' @ 7866.36' MD - KOP-TAYLOR 6-65 23-26 9HN									
7,900.00	3.36	180.51	7,678.66	1,575.24	-662.00	-1,480.62	10.00	10.00	0.00
7,950.00	8.36	180.51	7,728.39	1,570.13	-662.05	-1,475.55	10.00	10.00	0.00
8,000.00	13.36	180.51	7,777.48	1,560.71	-662.13	-1,466.19	10.00	10.00	0.00
8,050.00	18.36	180.51	7,825.56	1,547.05	-662.25	-1,452.62	10.00	10.00	0.00
8,100.00	23.36	180.51	7,872.26	1,529.24	-662.41	-1,434.94	10.00	10.00	0.00
8,150.00	28.36	180.51	7,917.24	1,507.44	-662.61	-1,413.28	10.00	10.00	0.00
8,200.00	33.36	180.51	7,960.15	1,481.80	-662.83	-1,387.81	10.00	10.00	0.00
8,250.00	38.36	180.51	8,000.65	1,452.52	-663.10	-1,358.72	10.00	10.00	0.00
8,300.00	43.36	180.51	8,038.45	1,419.81	-663.39	-1,326.24	10.00	10.00	0.00
8,350.00	48.36	180.51	8,073.26	1,383.94	-663.71	-1,290.60	10.00	10.00	0.00
8,400.00	53.36	180.51	8,104.81	1,345.17	-664.05	-1,252.09	10.00	10.00	0.00
8,450.00	58.36	180.51	8,132.86	1,303.80	-664.42	-1,211.00	10.00	10.00	0.00
8,500.00	63.36	180.51	8,157.19	1,260.15	-664.81	-1,167.63	10.00	10.00	0.00
8,550.00	68.36	180.51	8,177.63	1,214.53	-665.22	-1,122.32	10.00	10.00	0.00
8,600.00	73.36	180.51	8,194.02	1,167.31	-665.64	-1,075.42	10.00	10.00	0.00
8,650.00	78.36	180.51	8,206.23	1,118.84	-666.07	-1,027.27	10.00	10.00	0.00



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Wellbore:	Wellbore #1		
Design:	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)
8,700.00	83.36	180.51	8,214.16	1,069.50	-666.51	-978.25	10.00	10.00	0.00
8,750.00	88.36	180.51	8,217.77	1,019.64	-666.96	-928.73	10.00	10.00	0.00
8,766.36	90.00	180.51	8,218.00	1,003.29	-667.10	-912.49	10.00	10.00	0.00
LP: 8766.36' MD, 90.00° Inc, 180.51° Azm - FTP-TAYLOR 6-65 23-26 9HN									
8,800.00	90.00	180.51	8,218.00	969.65	-667.40	-879.07	0.00	0.00	0.00
8,900.00	90.00	180.51	8,218.00	869.65	-668.29	-779.74	0.00	0.00	0.00
9,000.00	90.00	180.51	8,218.00	769.66	-669.19	-680.41	0.00	0.00	0.00
9,100.00	90.00	180.51	8,218.00	669.66	-670.08	-581.08	0.00	0.00	0.00
9,200.00	90.00	180.51	8,218.00	569.66	-670.97	-481.75	0.00	0.00	0.00
9,300.00	90.00	180.51	8,218.00	469.67	-671.86	-382.42	0.00	0.00	0.00
9,400.00	90.00	180.51	8,218.00	369.67	-672.75	-283.09	0.00	0.00	0.00
9,500.00	90.00	180.51	8,218.00	269.68	-673.64	-183.76	0.00	0.00	0.00
9,600.00	90.00	180.51	8,218.00	169.68	-674.54	-84.43	0.00	0.00	0.00
9,700.00	90.00	180.51	8,218.00	69.68	-675.43	14.90	0.00	0.00	0.00
9,800.00	90.00	180.51	8,218.00	-30.31	-676.32	114.23	0.00	0.00	0.00
9,900.00	90.00	180.51	8,218.00	-130.31	-677.21	213.56	0.00	0.00	0.00
10,000.00	90.00	180.51	8,218.00	-230.30	-678.10	312.89	0.00	0.00	0.00
10,100.00	90.00	180.51	8,218.00	-330.30	-678.99	412.22	0.00	0.00	0.00
10,200.00	90.00	180.51	8,218.00	-430.30	-679.89	511.55	0.00	0.00	0.00
10,300.00	90.00	180.51	8,218.00	-530.29	-680.78	610.88	0.00	0.00	0.00
10,400.00	90.00	180.51	8,218.00	-630.29	-681.67	710.21	0.00	0.00	0.00
10,500.00	90.00	180.51	8,218.00	-730.28	-682.56	809.54	0.00	0.00	0.00
10,600.00	90.00	180.51	8,218.00	-830.28	-683.45	908.87	0.00	0.00	0.00
10,700.00	90.00	180.51	8,218.00	-930.28	-684.35	1,008.20	0.00	0.00	0.00
10,800.00	90.00	180.51	8,218.00	-1,030.27	-685.24	1,107.53	0.00	0.00	0.00
10,900.00	90.00	180.51	8,218.00	-1,130.27	-686.13	1,206.86	0.00	0.00	0.00
11,000.00	90.00	180.51	8,218.00	-1,230.27	-687.02	1,306.19	0.00	0.00	0.00
11,100.00	90.00	180.51	8,218.00	-1,330.26	-687.91	1,405.52	0.00	0.00	0.00
11,200.00	90.00	180.51	8,218.00	-1,430.26	-688.80	1,504.85	0.00	0.00	0.00
11,300.00	90.00	180.51	8,218.00	-1,530.25	-689.70	1,604.18	0.00	0.00	0.00
11,400.00	90.00	180.51	8,218.00	-1,630.25	-690.59	1,703.51	0.00	0.00	0.00
11,500.00	90.00	180.51	8,218.00	-1,730.25	-691.48	1,802.84	0.00	0.00	0.00
11,600.00	90.00	180.51	8,218.00	-1,830.24	-692.37	1,902.17	0.00	0.00	0.00
11,700.00	90.00	180.51	8,218.00	-1,930.24	-693.26	2,001.50	0.00	0.00	0.00
11,800.00	90.00	180.51	8,218.00	-2,030.23	-694.15	2,100.83	0.00	0.00	0.00
11,900.00	90.00	180.51	8,218.00	-2,130.23	-695.05	2,200.16	0.00	0.00	0.00
12,000.00	90.00	180.51	8,218.00	-2,230.23	-695.94	2,299.49	0.00	0.00	0.00
12,100.00	90.00	180.51	8,218.00	-2,330.22	-696.83	2,398.82	0.00	0.00	0.00
12,200.00	90.00	180.51	8,218.00	-2,430.22	-697.72	2,498.15	0.00	0.00	0.00
12,300.00	90.00	180.51	8,218.00	-2,530.21	-698.61	2,597.48	0.00	0.00	0.00
12,400.00	90.00	180.51	8,218.00	-2,630.21	-699.51	2,696.81	0.00	0.00	0.00
12,500.00	90.00	180.51	8,218.00	-2,730.21	-700.40	2,796.14	0.00	0.00	0.00
12,600.00	90.00	180.51	8,218.00	-2,830.20	-701.29	2,895.47	0.00	0.00	0.00
12,700.00	90.00	180.51	8,218.00	-2,930.20	-702.18	2,994.80	0.00	0.00	0.00
12,800.00	90.00	180.51	8,218.00	-3,030.19	-703.07	3,094.13	0.00	0.00	0.00
12,900.00	90.00	180.51	8,218.00	-3,130.19	-703.96	3,193.46	0.00	0.00	0.00
13,000.00	90.00	180.51	8,218.00	-3,230.19	-704.86	3,292.79	0.00	0.00	0.00
13,100.00	90.00	180.51	8,218.00	-3,330.18	-705.75	3,392.12	0.00	0.00	0.00
13,200.00	90.00	180.51	8,218.00	-3,430.18	-706.64	3,491.45	0.00	0.00	0.00
13,300.00	90.00	180.51	8,218.00	-3,530.17	-707.53	3,590.78	0.00	0.00	0.00
13,400.00	90.00	180.51	8,218.00	-3,630.17	-708.42	3,690.11	0.00	0.00	0.00
13,500.00	90.00	180.51	8,218.00	-3,730.17	-709.31	3,789.44	0.00	0.00	0.00
13,600.00	90.00	180.51	8,218.00	-3,830.16	-710.21	3,888.77	0.00	0.00	0.00
13,700.00	90.00	180.51	8,218.00	-3,930.16	-711.10	3,988.10	0.00	0.00	0.00

Database:	Local	Local Co-ordinate Reference:	Well TAYLOR6-65 23-26 9HN
Company:	GMT Exploration Company, LLC	TVD Reference:	KB @ 6248.00usft
Project:	Elbert County, CO (NAD 83)	MD Reference:	KB @ 6248.00usft
Site:	Irwin-Taylor Pad	North Reference:	True
Well:	TAYLOR 6-65 23-26 9HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	180.51	8,218.00	-4,030.15	-711.99	4,087.43	0.00	0.00	0.00	
13,900.00	90.00	180.51	8,218.00	-4,130.15	-712.88	4,186.76	0.00	0.00	0.00	
14,000.00	90.00	180.51	8,218.00	-4,230.15	-713.77	4,286.09	0.00	0.00	0.00	
14,100.00	90.00	180.51	8,218.00	-4,330.14	-714.66	4,385.42	0.00	0.00	0.00	
14,200.00	90.00	180.51	8,218.00	-4,430.14	-715.56	4,484.74	0.00	0.00	0.00	
14,300.00	90.00	180.51	8,218.00	-4,530.13	-716.45	4,584.07	0.00	0.00	0.00	
14,400.00	90.00	180.51	8,218.00	-4,630.13	-717.34	4,683.40	0.00	0.00	0.00	
14,500.00	90.00	180.51	8,218.00	-4,730.13	-718.23	4,782.73	0.00	0.00	0.00	
14,600.00	90.00	180.51	8,218.00	-4,830.12	-719.12	4,882.06	0.00	0.00	0.00	
14,700.00	90.00	180.51	8,218.00	-4,930.12	-720.02	4,981.39	0.00	0.00	0.00	
14,800.00	90.00	180.51	8,218.00	-5,030.11	-720.91	5,080.72	0.00	0.00	0.00	
14,900.00	90.00	180.51	8,218.00	-5,130.11	-721.80	5,180.05	0.00	0.00	0.00	
15,000.00	90.00	180.51	8,218.00	-5,230.11	-722.69	5,279.38	0.00	0.00	0.00	
15,100.00	90.00	180.51	8,218.00	-5,330.10	-723.58	5,378.71	0.00	0.00	0.00	
15,200.00	90.00	180.51	8,218.00	-5,430.10	-724.47	5,478.04	0.00	0.00	0.00	
15,300.00	90.00	180.51	8,218.00	-5,530.09	-725.37	5,577.37	0.00	0.00	0.00	
15,400.00	90.00	180.51	8,218.00	-5,630.09	-726.26	5,676.70	0.00	0.00	0.00	
15,500.00	90.00	180.51	8,218.00	-5,730.09	-727.15	5,776.03	0.00	0.00	0.00	
15,523.70	90.00	180.51	8,218.00	-5,753.79	-727.36	5,799.57	0.00	0.00	0.00	
Hold: 90.00° Inc, 180.51° Azm - LTP-TAYLOR 6-65 23-26 9HN										
15,573.70	90.00	180.51	8,218.00	-5,803.78	-727.81	5,849.24	0.00	0.00	0.00	
TD @ 15573.70' MD/8218.00' TVD - BHL-TAYLOR 6-65 23-26 9HN										

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 - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	1,611,684.07	3,246,686.90	39.509590	-104.625663	
KOP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	7,645.04	1,576.22	-661.99	1,613,253.85	3,246,009.77	39.513918	-104.628010	
BHL-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,218.00	-5,803.78	-727.81	1,605,873.55	3,246,014.99	39.493656	-104.628242	
LTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,218.00	-5,753.79	-727.36	1,605,923.55	3,246,014.95	39.493794	-104.628241	
FTP-TAYLOR 6-65 23 - plan hits target center - Point	0.00	0.00	8,218.00	1,003.29	-667.10	1,612,680.89	3,246,010.18	39.512345	-104.628028	

Database:	Local	Local Co-ordinate Reference:	Well TAYLOR6-65 23-26 9HN
Company:	GMT Exploration Company, LLC	TVD Reference:	KB @ 6248.00usft
Project:	Elbert County, CO (NAD 83)	MD Reference:	KB @ 6248.00usft
Site:	Irwin-Taylor Pad	North Reference:	True
Well:	TAYLOR 6-65 23-26 9HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
512.09	512.00	Denver				
2,320.12	2,268.00	Upper Arapahoe				
2,403.09	2,348.00	Laramie - Fox Hills				
2,496.42	2,438.00	Pierre Shale (Base of Fox Hills)				
5,825.38	5,648.00	Sussex Sandstone				
8,179.70	7,943.00	Sharon Springs Shale				
8,221.65	7,978.00	Niobrara				
8,234.04	7,988.00	Niobrara A				
8,396.98	8,103.00	Niobrara B Top				
8,565.06	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	
1,118.16	1,108.99	94.38	-39.64	Hold: 15.36° Inc, 337.22° Azm	
6,798.20	6,586.05	1,481.84	-622.35	Drop: 2°/100' @ 6798.20' MD	
7,566.36	7,345.04	1,576.22	-661.99	Hold: 0.00° Inc, 0.00° Azm	
7,866.36	7,645.04	1,576.22	-661.99	KOP: 10°/100' @ 7866.36' MD	
8,766.36	8,218.00	1,003.29	-667.10	LP: 8766.36' MD, 90.00° Inc, 180.51° Azm	
15,523.70	8,218.00	-5,753.79	-727.36	Hold: 90.00° Inc, 180.51° Azm	
15,573.70	8,218.00	-5,803.78	-727.81	TD @ 15573.70' MD/8218.00' TVD	