

# **EXTRACTION OIL & GAS**

**WELD COUNTY, COLORADO (NAD 83)**

**NW NE SEC. 5 T5N R65W 6th P.M.**

**DT-MARTINEZ 3-5-6**

**ORIGINAL WELLBORE**

**17 November, 2014**

**Plan: PROPOSAL #2**

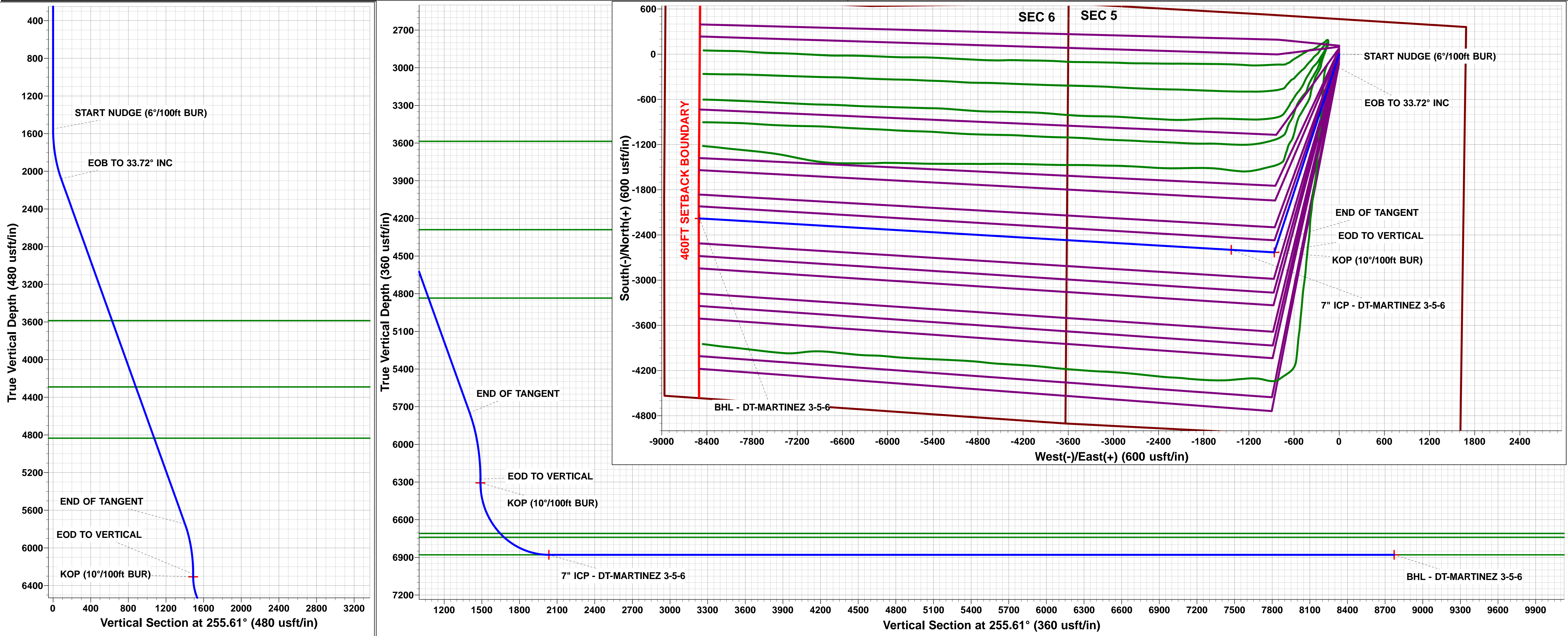
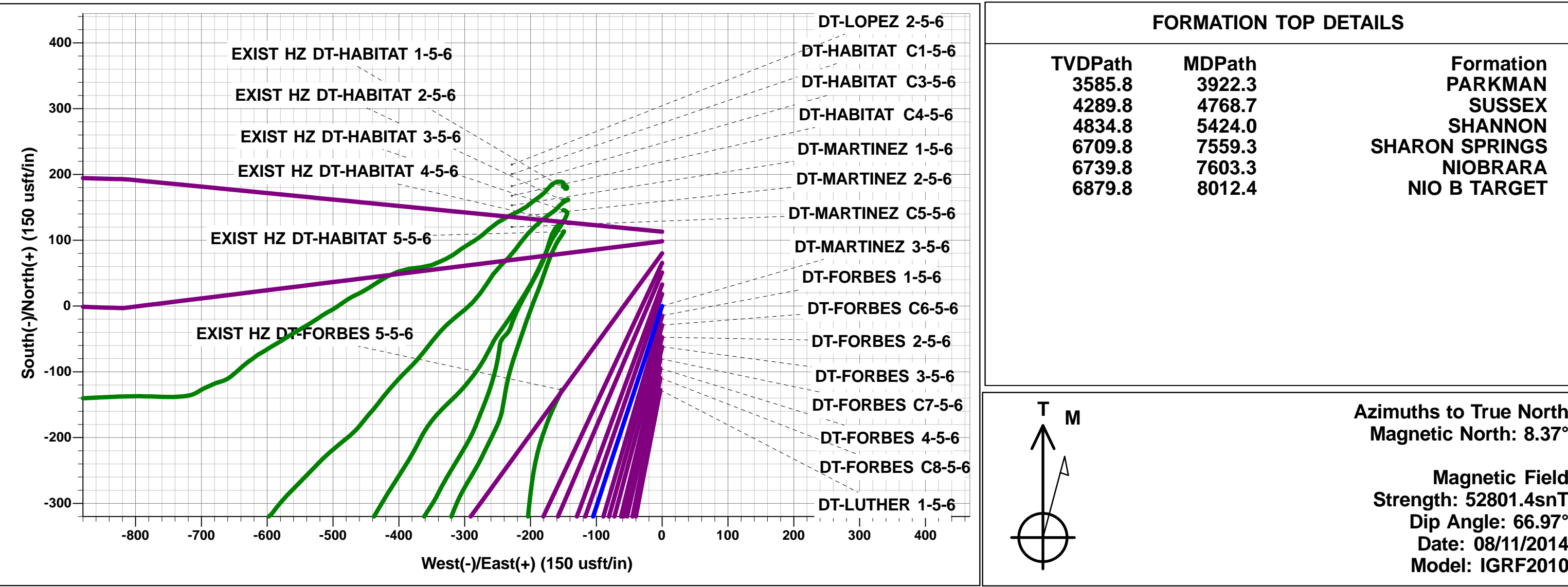




Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW NE SEC. 5 T5N R65W 6th P.M.  
Well: DT-MARTINEZ 3-5-6  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #2

ANNOTATIONS										
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation		
1550.0	1550.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (6"/100ft BUR)		
2080.2	2112.1	33.72	198.13	-152.7	-50.0	86.4	160.7	EOB TO 33.72° INC		
5746.6	6520.3	33.72	198.13	-2478.5	-811.8	1402.5	2608.1	END OF TANGENT		
6276.8	7082.4	0.00	0.00	-2631.2	-861.8	1488.9	2768.8	EOD TO VERTICAL		
6306.8	7112.4	0.00	0.00	-2631.2	-861.8	1488.9	2768.8	KOP (10"/100ft BUR)		
6879.8	8012.4	90.00	273.38	-2597.5	-1433.8	2034.5	3341.7	7" ICP - DT-MARTINEZ 3-5-6		
6879.8	15087.7	90.00	273.38	-2180.8	-8496.8	8772.2	10417.0	BHL - DT-MARTINEZ 3-5-6		

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - DT-MARTINEZ 3-5-6	6306.8	-2631.2	-861.8	40.427997	-104.686825
7" ICP - DT-MARTINEZ 3-5-6	6879.8	-2597.5	-1433.8	40.428090	-104.688880
BHL - DT-MARTINEZ 3-5-6	6879.8	-2180.8	-8496.8	40.429230	-104.714250



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well DT-MARTINEZ 3-5-6
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Site:</b>	NW NE SEC. 5 T5N R65W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	DT-MARTINEZ 3-5-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

<b>Project</b>	WELD COUNTY, COLORADO (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 Northern Zone		Using geodetic scale factor

<b>Site</b>	NW NE SEC. 5 T5N R65W 6th P.M.		
<b>Site Position:</b>		<b>Northing:</b>	1,402,409.16 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,226,987.53 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000 ft
		<b>Latitude:</b>	40.435150
		<b>Longitude:</b>	-104.684560
		<b>Grid Convergence:</b>	0.53 °

<b>Well</b>	DT-MARTINEZ 3-5-6		
<b>Well Position</b>	<b>+N-S</b>	25.5 usft	<b>Northing:</b>
	<b>+E-W</b>	231.1 usft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>
			<b>Latitude:</b>
			<b>Longitude:</b>
			<b>Ground Level:</b>

<b>Wellbore</b>	ORIGINAL WELLBORE				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	08/11/2014	8.37	66.97	52,801

<b>Design</b>	PROPOSAL #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N-S (usft)</b>	<b>+E-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	255.61

<b>Plan Sections</b>											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100usf)	Turn Rate (°/100usf)	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,656.8	0.0	0.0	0.00	0.00	0.00	0.00	
1,550.0	0.00	0.00	1,550.0	-3,106.8	0.0	0.0	0.00	0.00	0.00	0.00	
2,112.1	33.72	198.13	2,080.2	-2,576.6	-152.7	-50.0	6.00	6.00	0.00	198.13	
6,520.3	33.72	198.13	5,746.6	1,089.8	-2,478.5	-811.8	0.00	0.00	0.00	0.00	
7,082.4	0.00	0.00	6,276.8	1,620.0	-2,631.2	-861.8	6.00	-6.00	0.00	180.00	
7,112.4	0.00	0.00	6,306.8	1,650.0	-2,631.2	-861.8	0.00	0.00	0.00	0.00	KOP - DT-MARTINI
8,012.4	90.00	273.38	6,879.8	2,223.0	-2,597.5	-1,433.8	10.00	10.00	-9.62	273.38	7" ICP - DT-MARTI
15,087.7	90.00	273.38	6,879.8	2,223.0	-2,180.8	-8,496.8	0.00	0.00	0.00	47.65	BHL - DT-MARTINE

## Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well DT-MARTINEZ 3-5-6
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Site:</b>	NW NE SEC. 5 T5N R65W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	DT-MARTINEZ 3-5-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

## Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	4,656.80	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,556.80	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,456.80	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,356.80	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,256.80	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,156.80	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,056.80	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,956.80	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,856.80	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,756.80	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,656.80	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,556.80	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,456.80	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,356.80	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,256.80	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,156.80	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (6°/100ft BUR)</b>										
1,550.0	0.00	0.00	1,550.0	3,106.80	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	3.00	198.13	1,600.0	3,056.82	-1.2	-0.4	0.7	6.00	6.00	0.00
1,700.0	9.00	198.13	1,699.4	2,957.42	-11.2	-3.7	6.3	6.00	6.00	0.00
1,800.0	15.00	198.13	1,797.2	2,859.65	-30.9	-10.1	17.5	6.00	6.00	0.00
1,900.0	21.00	198.13	1,892.2	2,764.58	-60.3	-19.7	34.1	6.00	6.00	0.00
2,000.0	27.00	198.13	1,983.5	2,673.27	-98.9	-32.4	56.0	6.00	6.00	0.00
2,100.0	33.00	198.13	2,070.1	2,586.71	-146.4	-48.0	82.8	6.00	6.00	0.00
<b>EOB TO 33.72° INC</b>										
2,112.1	33.72	198.13	2,080.2	2,576.60	-152.7	-50.0	86.4	5.98	5.98	0.00
2,200.0	33.72	198.13	2,153.3	2,503.49	-199.1	-65.2	112.7	0.00	0.00	0.00
2,300.0	33.72	198.13	2,236.5	2,420.32	-251.9	-82.5	142.5	0.00	0.00	0.00
2,400.0	33.72	198.13	2,319.7	2,337.15	-304.6	-99.8	172.4	0.00	0.00	0.00
2,500.0	33.72	198.13	2,402.8	2,253.98	-357.4	-117.1	202.2	0.00	0.00	0.00
2,600.0	33.72	198.13	2,486.0	2,170.80	-410.1	-134.3	232.1	0.00	0.00	0.00
2,700.0	33.72	198.13	2,569.2	2,087.63	-462.9	-151.6	261.9	0.00	0.00	0.00
2,800.0	33.72	198.13	2,652.3	2,004.46	-515.7	-168.9	291.8	0.00	0.00	0.00
2,900.0	33.72	198.13	2,735.5	1,921.28	-568.4	-186.2	321.6	0.00	0.00	0.00
3,000.0	33.72	198.13	2,818.7	1,838.11	-621.2	-203.5	351.5	0.00	0.00	0.00
3,100.0	33.72	198.13	2,901.9	1,754.94	-674.0	-220.7	381.3	0.00	0.00	0.00
3,200.0	33.72	198.13	2,985.0	1,671.77	-726.7	-238.0	411.2	0.00	0.00	0.00
3,300.0	33.72	198.13	3,068.2	1,588.59	-779.5	-255.3	441.1	0.00	0.00	0.00
3,400.0	33.72	198.13	3,151.4	1,505.42	-832.2	-272.6	470.9	0.00	0.00	0.00
3,500.0	33.72	198.13	3,234.6	1,422.25	-885.0	-289.9	500.8	0.00	0.00	0.00
3,600.0	33.72	198.13	3,317.7	1,339.07	-937.8	-307.1	530.6	0.00	0.00	0.00
3,700.0	33.72	198.13	3,400.9	1,255.90	-990.5	-324.4	560.5	0.00	0.00	0.00
3,800.0	33.72	198.13	3,484.1	1,172.73	-1,043.3	-341.7	590.3	0.00	0.00	0.00
3,900.0	33.72	198.13	3,567.2	1,089.56	-1,096.0	-359.0	620.2	0.00	0.00	0.00
<b>PARKMAN</b>										
3,922.3	33.72	198.13	3,585.8	1,071.00	-1,107.8	-362.8	626.8	0.00	0.00	0.00
4,000.0	33.72	198.13	3,650.4	1,006.38	-1,148.8	-376.3	650.0	0.00	0.00	0.00
4,100.0	33.72	198.13	3,733.6	923.21	-1,201.6	-393.5	679.9	0.00	0.00	0.00
4,200.0	33.72	198.13	3,816.8	840.04	-1,254.3	-410.8	709.7	0.00	0.00	0.00
4,300.0	33.72	198.13	3,899.9	756.87	-1,307.1	-428.1	739.6	0.00	0.00	0.00
4,400.0	33.72	198.13	3,983.1	673.69	-1,359.8	-445.4	769.5	0.00	0.00	0.00
4,500.0	33.72	198.13	4,066.3	590.52	-1,412.6	-462.7	799.3	0.00	0.00	0.00
4,600.0	33.72	198.13	4,149.5	507.35	-1,465.4	-479.9	829.2	0.00	0.00	0.00



## Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well DT-MARTINEZ 3-5-6
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Site:</b>	NW NE SEC. 5 T5N R65W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	DT-MARTINEZ 3-5-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

## Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.0	33.72	198.13	4,232.6	424.17	-1,518.1	-497.2	859.0	0.00	0.00	0.00
<b>SUSSEX</b>										
<b>4,768.7</b>	<b>33.72</b>	<b>198.13</b>	<b>4,289.8</b>	<b>367.00</b>	<b>-1,554.4</b>	<b>-509.1</b>	<b>879.5</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
4,800.0	33.72	198.13	4,315.8	341.00	-1,570.9	-514.5	888.9	0.00	0.00	0.00
4,900.0	33.72	198.13	4,399.0	257.83	-1,623.6	-531.8	918.7	0.00	0.00	0.00
5,000.0	33.72	198.13	4,482.1	174.66	-1,676.4	-549.1	948.6	0.00	0.00	0.00
5,100.0	33.72	198.13	4,565.3	91.48	-1,729.2	-566.3	978.4	0.00	0.00	0.00
5,200.0	33.72	198.13	4,648.5	8.31	-1,781.9	-583.6	1,008.3	0.00	0.00	0.00
5,300.0	33.72	198.13	4,731.7	-74.86	-1,834.7	-600.9	1,038.1	0.00	0.00	0.00
5,400.0	33.72	198.13	4,814.8	-158.03	-1,887.4	-618.2	1,068.0	0.00	0.00	0.00
<b>SHANNON</b>										
<b>5,424.0</b>	<b>33.72</b>	<b>198.13</b>	<b>4,834.8</b>	<b>-178.00</b>	<b>-1,900.1</b>	<b>-622.3</b>	<b>1,075.2</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
5,500.0	33.72	198.13	4,898.0	-241.21	-1,940.2	-635.5	1,097.8	0.00	0.00	0.00
5,600.0	33.72	198.13	4,981.2	-324.38	-1,993.0	-652.7	1,127.7	0.00	0.00	0.00
5,700.0	33.72	198.13	5,064.4	-407.55	-2,045.7	-670.0	1,157.6	0.00	0.00	0.00
5,800.0	33.72	198.13	5,147.5	-490.73	-2,098.5	-687.3	1,187.4	0.00	0.00	0.00
5,900.0	33.72	198.13	5,230.7	-573.90	-2,151.2	-704.6	1,217.3	0.00	0.00	0.00
6,000.0	33.72	198.13	5,313.9	-657.07	-2,204.0	-721.9	1,247.1	0.00	0.00	0.00
6,100.0	33.72	198.13	5,397.0	-740.24	-2,256.8	-739.1	1,277.0	0.00	0.00	0.00
6,200.0	33.72	198.13	5,480.2	-823.42	-2,309.5	-756.4	1,306.8	0.00	0.00	0.00
6,300.0	33.72	198.13	5,563.4	-906.59	-2,362.3	-773.7	1,336.7	0.00	0.00	0.00
6,400.0	33.72	198.13	5,646.6	-989.76	-2,415.1	-791.0	1,366.5	0.00	0.00	0.00
6,500.0	33.72	198.13	5,729.7	-1,072.93	-2,467.8	-808.3	1,396.4	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>6,520.3</b>	<b>33.72</b>	<b>198.13</b>	<b>5,746.6</b>	<b>-1,089.82</b>	<b>-2,478.5</b>	<b>-811.8</b>	<b>1,402.5</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,600.0	28.94	198.13	5,814.7	-1,157.88	-2,517.9	-824.7	1,424.7	6.00	-6.00	0.00
6,700.0	22.94	198.13	5,904.6	-1,247.76	-2,559.5	-838.3	1,448.2	6.00	-6.00	0.00
6,800.0	16.94	198.13	5,998.5	-1,341.72	-2,591.9	-848.9	1,466.6	6.00	-6.00	0.00
6,900.0	10.94	198.13	6,095.5	-1,438.73	-2,614.7	-856.4	1,479.5	6.00	-6.00	0.00
7,000.0	4.94	198.13	6,194.5	-1,537.72	-2,627.9	-860.7	1,487.0	6.00	-6.00	0.00
<b>EOD TO VERTICAL</b>										
<b>7,082.4</b>	<b>0.00</b>	<b>0.00</b>	<b>6,276.8</b>	<b>-1,620.02</b>	<b>-2,631.2</b>	<b>-861.8</b>	<b>1,488.9</b>	<b>6.00</b>	<b>-6.00</b>	<b>0.00</b>
7,100.0	0.00	0.00	6,294.4	-1,637.62	-2,631.2	-861.8	1,488.9	0.00	0.00	0.00
<b>KOP (10°/100ft BUR)</b>										
<b>7,112.4</b>	<b>0.00</b>	<b>0.00</b>	<b>6,306.8</b>	<b>-1,650.02</b>	<b>-2,631.2</b>	<b>-861.8</b>	<b>1,488.9</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
7,200.0	8.76	273.38	6,394.1	-1,737.28	-2,630.8	-868.5	1,495.2	10.00	10.00	0.00
7,300.0	18.76	273.38	6,491.1	-1,834.29	-2,629.4	-892.2	1,517.9	10.00	10.00	0.00
7,400.0	28.76	273.38	6,582.5	-1,925.69	-2,627.1	-932.4	1,556.2	10.00	10.00	0.00
7,500.0	38.76	273.38	6,665.5	-2,008.73	-2,623.8	-987.8	1,609.0	10.00	10.00	0.00
<b>SHARON SPRINGS</b>										
<b>7,559.3</b>	<b>44.69</b>	<b>273.38</b>	<b>6,709.8</b>	<b>-2,053.00</b>	<b>-2,621.5</b>	<b>-1,027.2</b>	<b>1,646.6</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
7,600.0	48.76	273.38	6,737.7	-2,080.86	-2,619.7	-1,056.7	1,674.8	10.00	10.00	0.00
<b>NIOBRARA</b>										
<b>7,603.3</b>	<b>49.08</b>	<b>273.38</b>	<b>6,739.8</b>	<b>-2,083.00</b>	<b>-2,619.6</b>	<b>-1,059.2</b>	<b>1,677.1</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
7,700.0	58.76	273.38	6,796.7	-2,139.90	-2,615.0	-1,137.1	1,751.5	10.00	10.00	0.00
7,800.0	68.76	273.38	6,840.9	-2,184.07	-2,609.7	-1,226.5	1,836.8	10.00	10.00	0.00
7,900.0	78.76	273.38	6,868.8	-2,212.00	-2,604.1	-1,322.3	1,928.1	10.00	10.00	0.00
8,000.0	88.76	273.38	6,879.7	-2,222.86	-2,598.2	-1,421.4	2,022.7	10.00	10.00	0.00
<b>7" ICP - DT-MARTINEZ 3-5-6 - NIO B TARGET</b>										
<b>8,012.4</b>	<b>90.00</b>	<b>273.38</b>	<b>6,879.8</b>	<b>-2,223.00</b>	<b>-2,597.5</b>	<b>-1,433.8</b>	<b>2,034.5</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
8,100.0	90.00	273.38	6,879.8	-2,223.00	-2,592.3	-1,521.2	2,117.9	0.00	0.00	0.00
8,200.0	90.00	273.38	6,879.8	-2,223.00	-2,586.5	-1,621.0	2,213.1	0.00	0.00	0.00
8,300.0	90.00	273.38	6,879.8	-2,223.00	-2,580.6	-1,720.9	2,308.4	0.00	0.00	0.00

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well DT-MARTINEZ 3-5-6
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Site:</b>	NW NE SEC. 5 T5N R65W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	DT-MARTINEZ 3-5-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,400.0	90.00	273.38	6,879.8	-2,223.01	-2,574.7	-1,820.7	2,403.6	0.00	0.00	0.00
8,500.0	90.00	273.38	6,879.8	-2,223.01	-2,568.8	-1,920.5	2,498.8	0.00	0.00	0.00
8,600.0	90.00	273.38	6,879.8	-2,223.01	-2,562.9	-2,020.3	2,594.0	0.00	0.00	0.00
8,700.0	90.00	273.38	6,879.8	-2,223.01	-2,557.0	-2,120.2	2,689.3	0.00	0.00	0.00
8,800.0	90.00	273.38	6,879.8	-2,223.01	-2,551.1	-2,220.0	2,784.5	0.00	0.00	0.00
8,900.0	90.00	273.38	6,879.8	-2,223.01	-2,545.2	-2,319.8	2,879.7	0.00	0.00	0.00
9,000.0	90.00	273.38	6,879.8	-2,223.02	-2,539.4	-2,419.6	2,975.0	0.00	0.00	0.00
9,100.0	90.00	273.38	6,879.8	-2,223.02	-2,533.5	-2,519.5	3,070.2	0.00	0.00	0.00
9,200.0	90.00	273.38	6,879.8	-2,223.02	-2,527.6	-2,619.3	3,165.4	0.00	0.00	0.00
9,300.0	90.00	273.38	6,879.8	-2,223.02	-2,521.7	-2,719.1	3,260.6	0.00	0.00	0.00
9,400.0	90.00	273.38	6,879.8	-2,223.02	-2,515.8	-2,818.9	3,355.9	0.00	0.00	0.00
9,500.0	90.00	273.38	6,879.8	-2,223.02	-2,509.9	-2,918.8	3,451.1	0.00	0.00	0.00
9,600.0	90.00	273.38	6,879.8	-2,223.02	-2,504.0	-3,018.6	3,546.3	0.00	0.00	0.00
9,700.0	90.00	273.38	6,879.8	-2,223.02	-2,498.1	-3,118.4	3,641.6	0.00	0.00	0.00
9,800.0	90.00	273.38	6,879.8	-2,223.02	-2,492.2	-3,218.3	3,736.8	0.00	0.00	0.00
9,900.0	90.00	273.38	6,879.8	-2,223.02	-2,486.4	-3,318.1	3,832.0	0.00	0.00	0.00
10,000.0	90.00	273.38	6,879.8	-2,223.03	-2,480.5	-3,417.9	3,927.2	0.00	0.00	0.00
10,100.0	90.00	273.38	6,879.8	-2,223.03	-2,474.6	-3,517.7	4,022.5	0.00	0.00	0.00
10,200.0	90.00	273.38	6,879.8	-2,223.03	-2,468.7	-3,617.6	4,117.7	0.00	0.00	0.00
10,300.0	90.00	273.38	6,879.8	-2,223.03	-2,462.8	-3,717.4	4,212.9	0.00	0.00	0.00
10,400.0	90.00	273.38	6,879.8	-2,223.03	-2,456.9	-3,817.2	4,308.2	0.00	0.00	0.00
10,500.0	90.00	273.38	6,879.8	-2,223.03	-2,451.0	-3,917.0	4,403.4	0.00	0.00	0.00
10,600.0	90.00	273.38	6,879.8	-2,223.03	-2,445.1	-4,016.9	4,498.6	0.00	0.00	0.00
10,700.0	90.00	273.38	6,879.8	-2,223.03	-2,439.2	-4,116.7	4,593.8	0.00	0.00	0.00
10,800.0	90.00	273.38	6,879.8	-2,223.03	-2,433.3	-4,216.5	4,689.1	0.00	0.00	0.00
10,900.0	90.00	273.38	6,879.8	-2,223.03	-2,427.5	-4,316.3	4,784.3	0.00	0.00	0.00
11,000.0	90.00	273.38	6,879.8	-2,223.03	-2,421.6	-4,416.2	4,879.5	0.00	0.00	0.00
11,100.0	90.00	273.38	6,879.8	-2,223.03	-2,415.7	-4,516.0	4,974.8	0.00	0.00	0.00
11,200.0	90.00	273.38	6,879.8	-2,223.03	-2,409.8	-4,615.8	5,070.0	0.00	0.00	0.00
11,300.0	90.00	273.38	6,879.8	-2,223.03	-2,403.9	-4,715.6	5,165.2	0.00	0.00	0.00
11,400.0	90.00	273.38	6,879.8	-2,223.03	-2,398.0	-4,815.5	5,260.4	0.00	0.00	0.00
11,500.0	90.00	273.38	6,879.8	-2,223.03	-2,392.1	-4,915.3	5,355.7	0.00	0.00	0.00
11,600.0	90.00	273.38	6,879.8	-2,223.03	-2,386.2	-5,015.1	5,450.9	0.00	0.00	0.00
11,700.0	90.00	273.38	6,879.8	-2,223.03	-2,380.3	-5,115.0	5,546.1	0.00	0.00	0.00
11,800.0	90.00	273.38	6,879.8	-2,223.03	-2,374.4	-5,214.8	5,641.4	0.00	0.00	0.00
11,900.0	90.00	273.38	6,879.8	-2,223.03	-2,368.6	-5,314.6	5,736.6	0.00	0.00	0.00
12,000.0	90.00	273.38	6,879.8	-2,223.03	-2,362.7	-5,414.4	5,831.8	0.00	0.00	0.00
12,100.0	90.00	273.38	6,879.8	-2,223.03	-2,356.8	-5,514.3	5,927.0	0.00	0.00	0.00
12,200.0	90.00	273.38	6,879.8	-2,223.03	-2,350.9	-5,614.1	6,022.3	0.00	0.00	0.00
12,300.0	90.00	273.38	6,879.8	-2,223.03	-2,345.0	-5,713.9	6,117.5	0.00	0.00	0.00
12,400.0	90.00	273.38	6,879.8	-2,223.03	-2,339.1	-5,813.7	6,212.7	0.00	0.00	0.00
12,500.0	90.00	273.38	6,879.8	-2,223.03	-2,333.2	-5,913.6	6,308.0	0.00	0.00	0.00
12,600.0	90.00	273.38	6,879.8	-2,223.03	-2,327.3	-6,013.4	6,403.2	0.00	0.00	0.00
12,700.0	90.00	273.38	6,879.8	-2,223.03	-2,321.4	-6,113.2	6,498.4	0.00	0.00	0.00
12,800.0	90.00	273.38	6,879.8	-2,223.03	-2,315.5	-6,213.0	6,593.6	0.00	0.00	0.00
12,900.0	90.00	273.38	6,879.8	-2,223.03	-2,309.7	-6,312.9	6,688.9	0.00	0.00	0.00
13,000.0	90.00	273.38	6,879.8	-2,223.03	-2,303.8	-6,412.7	6,784.1	0.00	0.00	0.00
13,100.0	90.00	273.38	6,879.8	-2,223.03	-2,297.9	-6,512.5	6,879.3	0.00	0.00	0.00
13,200.0	90.00	273.38	6,879.8	-2,223.02	-2,292.0	-6,612.3	6,974.5	0.00	0.00	0.00
13,300.0	90.00	273.38	6,879.8	-2,223.02	-2,286.1	-6,712.2	7,069.8	0.00	0.00	0.00
13,400.0	90.00	273.38	6,879.8	-2,223.02	-2,280.2	-6,812.0	7,165.0	0.00	0.00	0.00
13,500.0	90.00	273.38	6,879.8	-2,223.02	-2,274.3	-6,911.8	7,260.2	0.00	0.00	0.00
13,600.0	90.00	273.38	6,879.8	-2,223.02	-2,268.4	-7,011.7	7,355.5	0.00	0.00	0.00
13,700.0	90.00	273.38	6,879.8	-2,223.02	-2,262.5	-7,111.5	7,450.7	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well DT-MARTINEZ 3-5-6
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4656.8usft (SAV 802)
<b>Site:</b>	NW NE SEC. 5 T5N R65W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	DT-MARTINEZ 3-5-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

## Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,800.0	90.00	273.38	6,879.8	-2,223.02	-2,256.6	-7,211.3	7,545.9	0.00	0.00	0.00
13,900.0	90.00	273.38	6,879.8	-2,223.02	-2,250.7	-7,311.1	7,641.1	0.00	0.00	0.00
14,000.0	90.00	273.38	6,879.8	-2,223.02	-2,244.9	-7,411.0	7,736.4	0.00	0.00	0.00
14,100.0	90.00	273.38	6,879.8	-2,223.02	-2,239.0	-7,510.8	7,831.6	0.00	0.00	0.00
14,200.0	90.00	273.38	6,879.8	-2,223.01	-2,233.1	-7,610.6	7,926.8	0.00	0.00	0.00
14,300.0	90.00	273.38	6,879.8	-2,223.01	-2,227.2	-7,710.4	8,022.1	0.00	0.00	0.00
14,400.0	90.00	273.38	6,879.8	-2,223.01	-2,221.3	-7,810.3	8,117.3	0.00	0.00	0.00
14,500.0	90.00	273.38	6,879.8	-2,223.01	-2,215.4	-7,910.1	8,212.5	0.00	0.00	0.00
14,600.0	90.00	273.38	6,879.8	-2,223.01	-2,209.5	-8,009.9	8,307.7	0.00	0.00	0.00
14,700.0	90.00	273.38	6,879.8	-2,223.01	-2,203.6	-8,109.7	8,403.0	0.00	0.00	0.00
14,800.0	90.00	273.38	6,879.8	-2,223.00	-2,197.7	-8,209.6	8,498.2	0.00	0.00	0.00
14,900.0	90.00	273.38	6,879.8	-2,223.00	-2,191.8	-8,309.4	8,593.4	0.00	0.00	0.00
15,000.0	90.00	273.38	6,879.8	-2,223.00	-2,185.9	-8,409.2	8,688.6	0.00	0.00	0.00
<b>BHL - DT-MARTINEZ 3-5-6</b>										
<b>15,087.7</b>	<b>90.00</b>	<b>273.38</b>	<b>6,879.8</b>	<b>-2,223.00</b>	<b>-2,180.8</b>	<b>-8,496.8</b>	<b>8,772.2</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,922.3	3,585.8	PARKMAN			
4,768.7	4,289.8	SUSSEX			
5,424.0	4,834.8	SHANNON			
7,559.3	6,709.8	SHARON SPRINGS			
7,603.3	6,739.8	NIOBRARA			
8,012.4	6,879.8	NIO B TARGET			

## Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,550.0	1,550.0	0.0	0.0	START NUDGE (6°/100ft BUR)
2,112.1	2,080.2	-152.7	-50.0	EOB TO 33.72° INC
6,520.3	5,746.6	-2,478.5	-811.8	END OF TANGENT
7,082.4	6,276.8	-2,631.2	-861.8	EOD TO VERTICAL
7,112.4	6,306.8	-2,631.2	-861.8	KOP (10°/100ft BUR)
8,012.4	6,879.8	-2,597.5	-1,433.8	7" ICP - DT-MARTINEZ 3-5-6
15,087.7	6,879.8	-2,180.8	-8,496.8	BHL - DT-MARTINEZ 3-5-6