

# **EXTRACTION OIL & GAS**

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

**NW SW SEC. 5 T2N R68W 6th P.M.**

**FAIRVIEW 7**

**ORIGINAL WELLBORE**

**09 November, 2014**

**Plan: PROPOSAL #2**

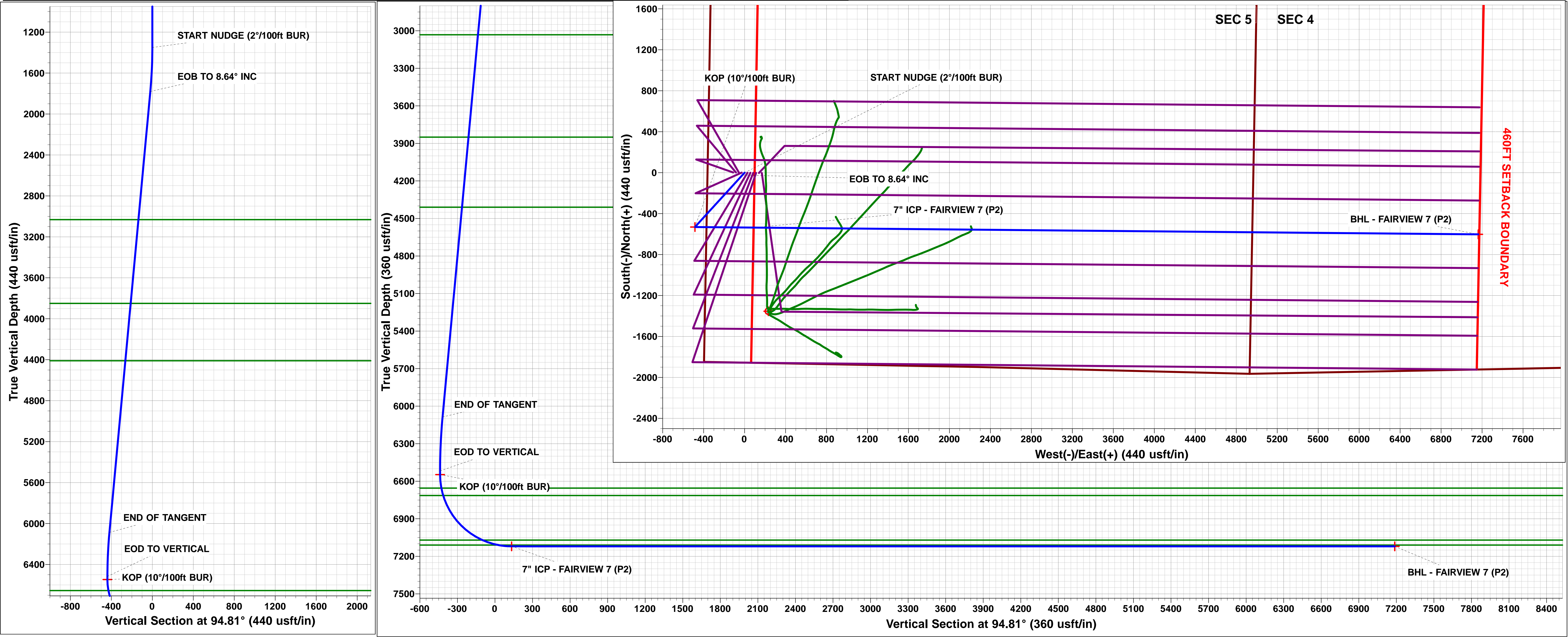
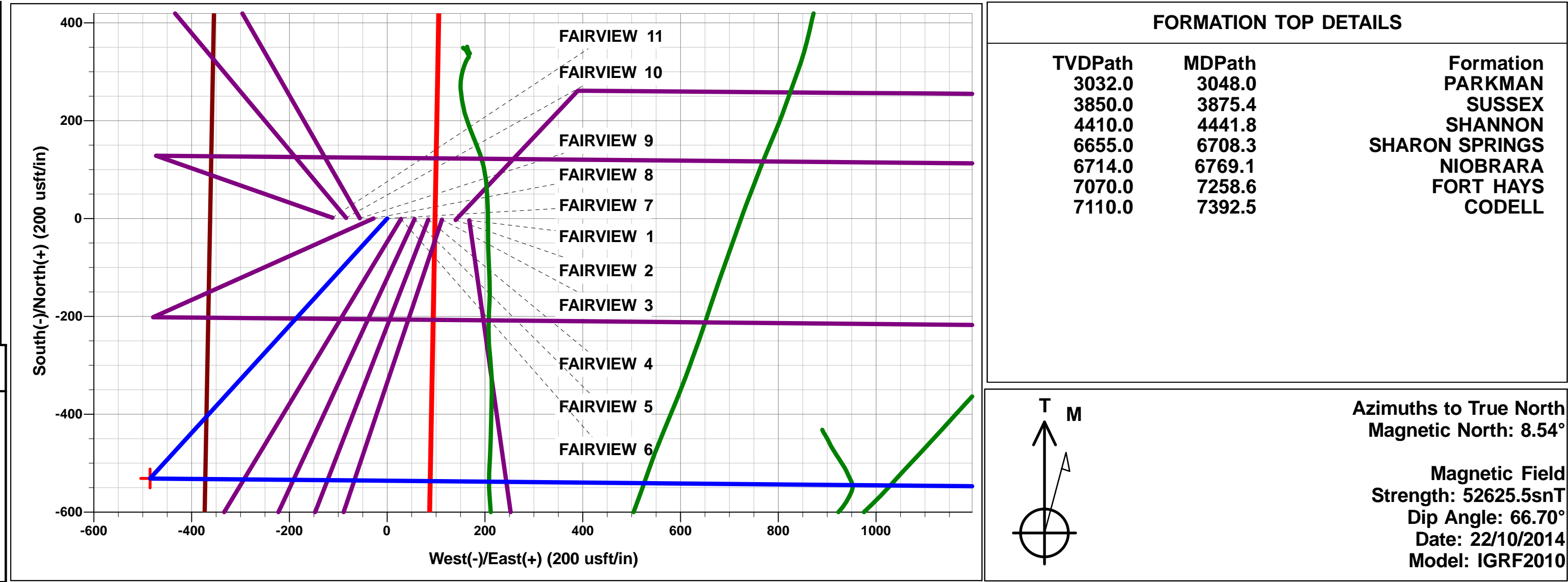




Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW SW SEC. 5 T2N R68W 6th P.M.  
Well: FAIRVIEW 7  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #2

ANNOTATIONS										
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation		
1350.0	1350.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)		
1780.3	1781.9	8.64	222.39	-24.0	-21.9	-19.8	32.5	EOB TO 8.64° INC		
6086.8	6137.8	8.64	222.39	-507.2	-463.0	-418.9	686.8	END OF TANGENT		
6517.0	6569.7	0.00	0.00	-531.2	-484.9	-438.7	719.2	EOD TO VERTICAL		
6547.0	6599.7	0.00	0.00	-531.2	-484.9	-438.7	719.2	KOP (10°/100ft BUR)		
7120.0	7499.7	90.00	90.54	-536.6	88.0	132.7	1292.2	7" ICP - FAIRVIEW 7 (P2)		
7120.0	14574.0	90.00	90.53	-602.6	7162.0	7187.3	8366.5	BHL - FAIRVIEW 7 (P2)		

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - FAIRVIEW 7 (P2)	6547.0	-531.2	-484.9	40.164307	-105.037003
7" ICP - FAIRVIEW 7 (P2)	7120.0	-536.6	88.0	40.164292	-105.034953
BHL - FAIRVIEW 7 (P2)	7120.0	-602.6	7162.0	40.164108	-105.009643



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FAIRVIEW 7
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Site:</b>	NW SW SEC. 5 T2N R68W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	FAIRVIEW 7	<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 SW SEC. 5 T2N R68W 6th P.M.		
<b>Site Position:</b>		<b>Northing:</b>	1,303,569.20 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,130,047.26 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000 ft
		<b>Latitude:</b>	40.165756
		<b>Longitude:</b>	-105.034667
		<b>Grid Convergence:</b>	0.30 °

<b>Well</b>	FAIRVIEW 7		
<b>Well Position</b>	<b>+N-S</b>	3.3 usft	<b>Northing:</b>
	<b>+E-W</b>	-168.0 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	22/10/2014	8.54	66.70	52,625

<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>	
	7,120.0	0.0	0.0	94.81	

<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	-4,970.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,350.0	0.00	0.00	1,350.0	-3,620.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,781.9	8.64	222.39	1,780.3	-3,189.7	-24.0	-21.9	2.00	2.00	0.00	222.39	
6,137.8	8.64	222.39	6,086.7	1,116.7	-507.2	-463.0	0.00	0.00	0.00	0.00	
6,569.7	0.00	0.00	6,517.0	1,547.0	-531.2	-484.9	2.00	-2.00	0.00	180.00	
6,599.7	0.00	0.00	6,547.0	1,577.0	-531.2	-484.9	0.00	0.00	0.00	0.00	KOP - FAIRVIEW 7
7,499.7	90.00	90.54	7,120.0	2,150.0	-536.6	88.0	10.00	10.00	10.06	90.54	7" ICP - FAIRVIEW
14,574.0	90.00	90.53	7,120.0	2,150.0	-602.6	7,162.0	0.00	0.00	0.00	-70.67	BHL - FAIRVIEW 7

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FAIRVIEW 7
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Site:</b>	NW SW SEC. 5 T2N R68W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	FAIRVIEW 7	<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	4,970.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,870.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,770.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,670.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,570.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,470.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,370.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,270.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,170.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,070.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,970.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,870.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,770.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,670.00	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2°/100ft BUR)</b>										
1,350.0	0.00	0.00	1,350.0	3,620.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	1.00	222.39	1,400.0	3,570.00	-0.3	-0.3	-0.3	2.00	2.00	0.00
1,500.0	3.00	222.39	1,499.9	3,470.07	-2.9	-2.6	-2.4	2.00	2.00	0.00
1,600.0	5.00	222.39	1,599.7	3,370.32	-8.1	-7.3	-6.6	2.00	2.00	0.00
1,700.0	7.00	222.39	1,699.1	3,270.87	-15.8	-14.4	-13.0	2.00	2.00	0.00
<b>EOB TO 8.64° INC</b>										
1,781.9	8.64	222.39	1,780.3	3,189.73	-24.0	-21.9	-19.8	2.00	2.00	0.00
1,800.0	8.64	222.39	1,798.2	3,171.84	-26.0	-23.7	-21.5	0.00	0.00	0.00
1,900.0	8.64	222.39	1,897.0	3,072.97	-37.1	-33.9	-30.6	0.00	0.00	0.00
2,000.0	8.64	222.39	1,995.9	2,974.11	-48.2	-44.0	-39.8	0.00	0.00	0.00
2,100.0	8.64	222.39	2,094.8	2,875.24	-59.3	-54.1	-49.0	0.00	0.00	0.00
2,200.0	8.64	222.39	2,193.6	2,776.38	-70.4	-64.2	-58.1	0.00	0.00	0.00
2,300.0	8.64	222.39	2,292.5	2,677.51	-81.5	-74.4	-67.3	0.00	0.00	0.00
2,400.0	8.64	222.39	2,391.4	2,578.65	-92.6	-84.5	-76.4	0.00	0.00	0.00
2,500.0	8.64	222.39	2,490.2	2,479.78	-103.7	-94.6	-85.6	0.00	0.00	0.00
2,600.0	8.64	222.39	2,589.1	2,380.92	-114.8	-104.8	-94.8	0.00	0.00	0.00
2,700.0	8.64	222.39	2,688.0	2,282.05	-125.8	-114.9	-103.9	0.00	0.00	0.00
2,800.0	8.64	222.39	2,786.8	2,183.18	-136.9	-125.0	-113.1	0.00	0.00	0.00
2,900.0	8.64	222.39	2,885.7	2,084.32	-148.0	-135.1	-122.2	0.00	0.00	0.00
3,000.0	8.64	222.39	2,984.5	1,985.45	-159.1	-145.3	-131.4	0.00	0.00	0.00
<b>PARKMAN</b>										
3,048.0	8.64	222.39	3,032.0	1,938.00	-164.4	-150.1	-135.8	0.00	0.00	0.00
3,100.0	8.64	222.39	3,083.4	1,886.59	-170.2	-155.4	-140.6	0.00	0.00	0.00
3,200.0	8.64	222.39	3,182.3	1,787.72	-181.3	-165.5	-149.7	0.00	0.00	0.00
3,300.0	8.64	222.39	3,281.1	1,688.86	-192.4	-175.6	-158.9	0.00	0.00	0.00
3,400.0	8.64	222.39	3,380.0	1,589.99	-203.5	-185.8	-168.0	0.00	0.00	0.00
3,500.0	8.64	222.39	3,478.9	1,491.13	-214.6	-195.9	-177.2	0.00	0.00	0.00
3,600.0	8.64	222.39	3,577.7	1,392.26	-225.7	-206.0	-186.4	0.00	0.00	0.00
3,700.0	8.64	222.39	3,676.6	1,293.39	-236.8	-216.1	-195.5	0.00	0.00	0.00
3,800.0	8.64	222.39	3,775.5	1,194.53	-247.9	-226.3	-204.7	0.00	0.00	0.00
<b>SUSSEX</b>										
3,875.4	8.64	222.39	3,850.0	1,120.00	-256.2	-233.9	-211.6	0.00	0.00	0.00
3,900.0	8.64	222.39	3,874.3	1,095.66	-259.0	-236.4	-213.9	0.00	0.00	0.00
4,000.0	8.64	222.39	3,973.2	996.80	-270.1	-246.5	-223.0	0.00	0.00	0.00
4,100.0	8.64	222.39	4,072.1	897.93	-281.1	-256.7	-232.2	0.00	0.00	0.00
4,200.0	8.64	222.39	4,170.9	799.07	-292.2	-266.8	-241.3	0.00	0.00	0.00
4,300.0	8.64	222.39	4,269.8	700.20	-303.3	-276.9	-250.5	0.00	0.00	0.00
4,400.0	8.64	222.39	4,368.7	601.34	-314.4	-287.0	-259.7	0.00	0.00	0.00
<b>SHANNON</b>										

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<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Site:</b>	NW SW SEC. 5 T2N R68W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	FAIRVIEW 7	<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)
<b>4,441.8</b>	<b>8.64</b>	<b>222.39</b>	<b>4,410.0</b>	<b>560.00</b>	<b>-319.1</b>	<b>-291.3</b>	<b>-263.5</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
4,500.0	8.64	222.39	4,467.5	502.47	-325.5	-297.2	-268.8	0.00	0.00	0.00
4,600.0	8.64	222.39	4,566.4	403.60	-336.6	-307.3	-278.0	0.00	0.00	0.00
4,700.0	8.64	222.39	4,665.3	304.74	-347.7	-317.4	-287.1	0.00	0.00	0.00
4,800.0	8.64	222.39	4,764.1	205.87	-358.8	-327.5	-296.3	0.00	0.00	0.00
4,900.0	8.64	222.39	4,863.0	107.01	-369.9	-337.7	-305.5	0.00	0.00	0.00
5,000.0	8.64	222.39	4,961.9	8.14	-381.0	-347.8	-314.6	0.00	0.00	0.00
5,100.0	8.64	222.39	5,060.7	-90.72	-392.1	-357.9	-323.8	0.00	0.00	0.00
5,200.0	8.64	222.39	5,159.6	-189.59	-403.2	-368.0	-332.9	0.00	0.00	0.00
5,300.0	8.64	222.39	5,258.5	-288.45	-414.3	-378.2	-342.1	0.00	0.00	0.00
5,400.0	8.64	222.39	5,357.3	-387.32	-425.4	-388.3	-351.3	0.00	0.00	0.00
5,500.0	8.64	222.39	5,456.2	-486.19	-436.5	-398.4	-360.4	0.00	0.00	0.00
5,600.0	8.64	222.39	5,555.1	-585.05	-447.5	-408.5	-369.6	0.00	0.00	0.00
5,700.0	8.64	222.39	5,653.9	-683.92	-458.6	-418.7	-378.7	0.00	0.00	0.00
5,800.0	8.64	222.39	5,752.8	-782.78	-469.7	-428.8	-387.9	0.00	0.00	0.00
5,900.0	8.64	222.39	5,851.6	-881.65	-480.8	-438.9	-397.1	0.00	0.00	0.00
6,000.0	8.64	222.39	5,950.5	-980.51	-491.9	-449.1	-406.2	0.00	0.00	0.00
6,100.0	8.64	222.39	6,049.4	-1,079.38	-503.0	-459.2	-415.4	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>6,137.8</b>	<b>8.64</b>	<b>222.39</b>	<b>6,086.8</b>	<b>-1,116.75</b>	<b>-507.2</b>	<b>-463.0</b>	<b>-418.9</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,200.0	7.39	222.39	6,148.3	-1,178.34	-513.6	-468.9	-424.1	2.00	-2.00	0.00
6,300.0	5.39	222.39	6,247.7	-1,277.71	-521.8	-476.4	-430.9	2.00	-2.00	0.00
6,400.0	3.39	222.39	6,347.4	-1,377.42	-527.5	-481.5	-435.6	2.00	-2.00	0.00
6,500.0	1.39	222.39	6,447.3	-1,477.32	-530.6	-484.3	-438.2	2.00	-2.00	0.00
<b>EOD TO VERTICAL</b>										
<b>6,569.7</b>	<b>0.00</b>	<b>0.00</b>	<b>6,517.0</b>	<b>-1,547.02</b>	<b>-531.2</b>	<b>-484.9</b>	<b>-438.7</b>	<b>2.00</b>	<b>-2.00</b>	<b>0.00</b>
<b>KOP (10°/100ft BUR)</b>										
<b>6,599.7</b>	<b>0.00</b>	<b>0.00</b>	<b>6,547.0</b>	<b>-1,577.02</b>	<b>-531.2</b>	<b>-484.9</b>	<b>-438.7</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,600.0	0.03	90.54	6,547.3	-1,577.32	-531.2	-484.9	-438.7	10.54	10.54	0.00
6,700.0	10.03	90.54	6,646.8	-1,676.80	-531.3	-476.2	-429.9	10.00	10.00	0.00
<b>SHARON SPRINGS</b>										
<b>6,708.3</b>	<b>10.86</b>	<b>90.54</b>	<b>6,655.0</b>	<b>-1,685.00</b>	<b>-531.3</b>	<b>-474.6</b>	<b>-428.4</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
<b>NIOBRARA</b>										
<b>6,769.1</b>	<b>16.94</b>	<b>90.54</b>	<b>6,714.0</b>	<b>-1,744.00</b>	<b>-531.4</b>	<b>-460.0</b>	<b>-413.9</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
6,800.0	20.03	90.54	6,743.3	-1,773.26	-531.5	-450.3	-404.1	10.00	10.00	0.00
6,900.0	30.03	90.54	6,833.8	-1,863.75	-531.9	-408.0	-362.0	10.00	10.00	0.00
7,000.0	40.03	90.54	6,915.5	-1,945.54	-532.5	-350.7	-304.8	10.00	10.00	0.00
7,100.0	50.03	90.54	6,986.1	-2,016.12	-533.1	-280.0	-234.3	10.00	10.00	0.00
7,200.0	60.03	90.54	7,043.4	-2,073.37	-533.9	-198.2	-152.7	10.00	10.00	0.00
<b>FORT HAYS</b>										
<b>7,258.6</b>	<b>65.89</b>	<b>90.54</b>	<b>7,070.0</b>	<b>-2,100.00</b>	<b>-534.4</b>	<b>-146.0</b>	<b>-100.7</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
7,300.0	70.03	90.54	7,085.5	-2,115.53	-534.8	-107.7	-62.4	10.00	10.00	0.00
<b>CODELL</b>										
<b>7,392.5</b>	<b>79.28</b>	<b>90.54</b>	<b>7,110.0</b>	<b>-2,140.00</b>	<b>-535.6</b>	<b>-18.5</b>	<b>26.5</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
7,400.0	80.03	90.54	7,111.3	-2,141.34	-535.7	-11.2	33.8	10.00	10.00	0.00
<b>7" ICP - FAIRVIEW 7 (P2)</b>										
<b>7,499.7</b>	<b>90.00</b>	<b>90.54</b>	<b>7,120.0</b>	<b>-2,150.00</b>	<b>-536.6</b>	<b>88.0</b>	<b>132.7</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>
7,500.0	90.00	90.54	7,120.0	-2,150.00	-536.6	88.3	133.0	1.02	1.02	0.00
7,600.0	90.00	90.54	7,120.0	-2,150.00	-537.5	188.3	232.7	0.00	0.00	0.00
7,700.0	90.00	90.54	7,120.0	-2,150.01	-538.5	288.3	332.4	0.00	0.00	0.00
7,800.0	90.00	90.54	7,120.0	-2,150.01	-539.4	388.3	432.2	0.00	0.00	0.00
7,900.0	90.00	90.54	7,120.0	-2,150.01	-540.4	488.3	531.9	0.00	0.00	0.00
8,000.0	90.00	90.54	7,120.0	-2,150.02	-541.3	588.3	631.6	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FAIRVIEW 7
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Site:</b>	NW SW SEC. 5 T2N R68W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	FAIRVIEW 7	<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)
8,100.0	90.00	90.54	7,120.0	-2,150.02	-542.3	688.3	731.3	0.00	0.00	0.00
8,200.0	90.00	90.54	7,120.0	-2,150.02	-543.2	788.3	831.0	0.00	0.00	0.00
8,300.0	90.00	90.54	7,120.0	-2,150.02	-544.1	888.3	930.8	0.00	0.00	0.00
8,400.0	90.00	90.54	7,120.0	-2,150.03	-545.1	988.3	1,030.5	0.00	0.00	0.00
8,500.0	90.00	90.54	7,120.0	-2,150.03	-546.0	1,088.3	1,130.2	0.00	0.00	0.00
8,600.0	90.00	90.54	7,120.0	-2,150.03	-547.0	1,188.3	1,229.9	0.00	0.00	0.00
8,700.0	90.00	90.54	7,120.0	-2,150.03	-547.9	1,288.3	1,329.7	0.00	0.00	0.00
8,800.0	90.00	90.54	7,120.0	-2,150.04	-548.8	1,388.3	1,429.4	0.00	0.00	0.00
8,900.0	90.00	90.54	7,120.0	-2,150.04	-549.8	1,488.2	1,529.1	0.00	0.00	0.00
9,000.0	90.00	90.54	7,120.0	-2,150.04	-550.7	1,588.2	1,628.8	0.00	0.00	0.00
9,100.0	90.00	90.54	7,120.0	-2,150.04	-551.6	1,688.2	1,728.5	0.00	0.00	0.00
9,200.0	90.00	90.54	7,120.0	-2,150.04	-552.6	1,788.2	1,828.3	0.00	0.00	0.00
9,300.0	90.00	90.54	7,120.0	-2,150.05	-553.5	1,888.2	1,928.0	0.00	0.00	0.00
9,400.0	90.00	90.54	7,120.0	-2,150.05	-554.5	1,988.2	2,027.7	0.00	0.00	0.00
9,500.0	90.00	90.54	7,120.0	-2,150.05	-555.4	2,088.2	2,127.4	0.00	0.00	0.00
9,600.0	90.00	90.54	7,120.0	-2,150.05	-556.3	2,188.2	2,227.2	0.00	0.00	0.00
9,700.0	90.00	90.54	7,120.1	-2,150.05	-557.3	2,288.2	2,326.9	0.00	0.00	0.00
9,800.0	90.00	90.54	7,120.1	-2,150.05	-558.2	2,388.2	2,426.6	0.00	0.00	0.00
9,900.0	90.00	90.54	7,120.1	-2,150.05	-559.1	2,488.2	2,526.3	0.00	0.00	0.00
10,000.0	90.00	90.54	7,120.1	-2,150.05	-560.1	2,588.2	2,626.0	0.00	0.00	0.00
10,100.0	90.00	90.54	7,120.1	-2,150.06	-561.0	2,688.2	2,725.8	0.00	0.00	0.00
10,200.0	90.00	90.54	7,120.1	-2,150.06	-562.0	2,788.2	2,825.5	0.00	0.00	0.00
10,300.0	90.00	90.54	7,120.1	-2,150.06	-562.9	2,888.2	2,925.2	0.00	0.00	0.00
10,400.0	90.00	90.54	7,120.1	-2,150.06	-563.8	2,988.2	3,024.9	0.00	0.00	0.00
10,500.0	90.00	90.54	7,120.1	-2,150.06	-564.8	3,088.2	3,124.7	0.00	0.00	0.00
10,600.0	90.00	90.54	7,120.1	-2,150.06	-565.7	3,188.2	3,224.4	0.00	0.00	0.00
10,700.0	90.00	90.54	7,120.1	-2,150.06	-566.6	3,288.2	3,324.1	0.00	0.00	0.00
10,800.0	90.00	90.53	7,120.1	-2,150.06	-567.6	3,388.2	3,423.8	0.00	0.00	0.00
10,900.0	90.00	90.53	7,120.1	-2,150.06	-568.5	3,488.2	3,523.5	0.00	0.00	0.00
11,000.0	90.00	90.53	7,120.1	-2,150.06	-569.4	3,588.2	3,623.3	0.00	0.00	0.00
11,100.0	90.00	90.53	7,120.1	-2,150.06	-570.4	3,688.2	3,723.0	0.00	0.00	0.00
11,200.0	90.00	90.53	7,120.1	-2,150.06	-571.3	3,788.1	3,822.7	0.00	0.00	0.00
11,300.0	90.00	90.53	7,120.1	-2,150.06	-572.2	3,888.1	3,922.4	0.00	0.00	0.00
11,400.0	90.00	90.53	7,120.1	-2,150.06	-573.2	3,988.1	4,022.1	0.00	0.00	0.00
11,500.0	90.00	90.53	7,120.1	-2,150.06	-574.1	4,088.1	4,121.9	0.00	0.00	0.00
11,600.0	90.00	90.53	7,120.1	-2,150.06	-575.0	4,188.1	4,221.6	0.00	0.00	0.00
11,700.0	90.00	90.53	7,120.1	-2,150.06	-575.9	4,288.1	4,321.3	0.00	0.00	0.00
11,800.0	90.00	90.53	7,120.1	-2,150.06	-576.9	4,388.1	4,421.0	0.00	0.00	0.00
11,900.0	90.00	90.53	7,120.1	-2,150.06	-577.8	4,488.1	4,520.8	0.00	0.00	0.00
12,000.0	90.00	90.53	7,120.1	-2,150.06	-578.7	4,588.1	4,620.5	0.00	0.00	0.00
12,100.0	90.00	90.53	7,120.1	-2,150.05	-579.7	4,688.1	4,720.2	0.00	0.00	0.00
12,200.0	90.00	90.53	7,120.1	-2,150.05	-580.6	4,788.1	4,819.9	0.00	0.00	0.00
12,300.0	90.00	90.53	7,120.1	-2,150.05	-581.5	4,888.1	4,919.6	0.00	0.00	0.00
12,400.0	90.00	90.53	7,120.1	-2,150.05	-582.5	4,988.1	5,019.4	0.00	0.00	0.00
12,500.0	90.00	90.53	7,120.0	-2,150.05	-583.4	5,088.1	5,119.1	0.00	0.00	0.00
12,600.0	90.00	90.53	7,120.0	-2,150.05	-584.3	5,188.1	5,218.8	0.00	0.00	0.00
12,700.0	90.00	90.53	7,120.0	-2,150.05	-585.2	5,288.1	5,318.5	0.00	0.00	0.00
12,800.0	90.00	90.53	7,120.0	-2,150.04	-586.2	5,388.1	5,418.3	0.00	0.00	0.00
12,900.0	90.00	90.53	7,120.0	-2,150.04	-587.1	5,488.1	5,518.0	0.00	0.00	0.00
13,000.0	90.00	90.53	7,120.0	-2,150.04	-588.0	5,588.1	5,617.7	0.00	0.00	0.00
13,100.0	90.00	90.53	7,120.0	-2,150.04	-589.0	5,688.1	5,717.4	0.00	0.00	0.00
13,200.0	90.00	90.53	7,120.0	-2,150.04	-589.9	5,788.1	5,817.1	0.00	0.00	0.00
13,300.0	90.00	90.53	7,120.0	-2,150.04	-590.8	5,888.1	5,916.9	0.00	0.00	0.00
13,400.0	90.00	90.53	7,120.0	-2,150.03	-591.7	5,988.1	6,016.6	0.00	0.00	0.00

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FAIRVIEW 7
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4970.0usft (Original Well Elev)
<b>Site:</b>	NW SW SEC. 5 T2N R68W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	FAIRVIEW 7	<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)
13,500.0	90.00	90.53	7,120.0	-2,150.03	-592.7	6,088.0	6,116.3	0.00	0.00	0.00
13,600.0	90.00	90.53	7,120.0	-2,150.03	-593.6	6,188.0	6,216.0	0.00	0.00	0.00
13,700.0	90.00	90.53	7,120.0	-2,150.03	-594.5	6,288.0	6,315.7	0.00	0.00	0.00
13,800.0	90.00	90.53	7,120.0	-2,150.02	-595.4	6,388.0	6,415.5	0.00	0.00	0.00
13,900.0	90.00	90.53	7,120.0	-2,150.02	-596.4	6,488.0	6,515.2	0.00	0.00	0.00
14,000.0	90.00	90.53	7,120.0	-2,150.02	-597.3	6,588.0	6,614.9	0.00	0.00	0.00
14,100.0	90.00	90.53	7,120.0	-2,150.01	-598.2	6,688.0	6,714.6	0.00	0.00	0.00
14,200.0	90.00	90.53	7,120.0	-2,150.01	-599.1	6,788.0	6,814.3	0.00	0.00	0.00
14,300.0	90.00	90.53	7,120.0	-2,150.01	-600.1	6,888.0	6,914.1	0.00	0.00	0.00
14,400.0	90.00	90.53	7,120.0	-2,150.01	-601.0	6,988.0	7,013.8	0.00	0.00	0.00
14,500.0	90.00	90.53	7,120.0	-2,150.00	-601.9	7,088.0	7,113.5	0.00	0.00	0.00
<b>BHL - FAIRVIEW 7 (P2)</b>										
<b>14,574.0</b>	<b>90.00</b>	<b>90.53</b>	<b>7,120.0</b>	<b>-2,150.00</b>	<b>-602.6</b>	<b>7,162.0</b>	<b>7,187.3</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Formations						
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,048.0	3,032.0	PARKMAN		0.00		
3,875.4	3,850.0	SUSSEX		0.00		
4,441.8	4,410.0	SHANNON		0.00		
6,708.3	6,655.0	SHARON SPRINGS		0.00		
6,769.1	6,714.0	NIOBRARA		0.00		
7,258.6	7,070.0	FORT HAYS		0.00		
7,392.5	7,110.0	CODELL		0.00		

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,350.0	1,350.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,781.9	1,780.3	-24.0	-21.9	EOB TO 8.64° INC
6,137.8	6,086.8	-507.2	-463.0	END OF TANGENT
6,569.7	6,517.0	-531.2	-484.9	EOD TO VERTICAL
6,599.7	6,547.0	-531.2	-484.9	KOP (10°/100ft BUR)
7,499.7	7,120.0	-536.6	88.0	7" ICP - FAIRVIEW 7 (P2)
14,574.0	7,120.0	-602.6	7,162.0	BHL - FAIRVIEW 7 (P2)