

# **EXTRACTION OIL & GAS**

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

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

**FAIRVIEW 7**

**ORIGINAL WELLBORE**

**10 August, 2015**

**Plan: PROPOSAL #3**

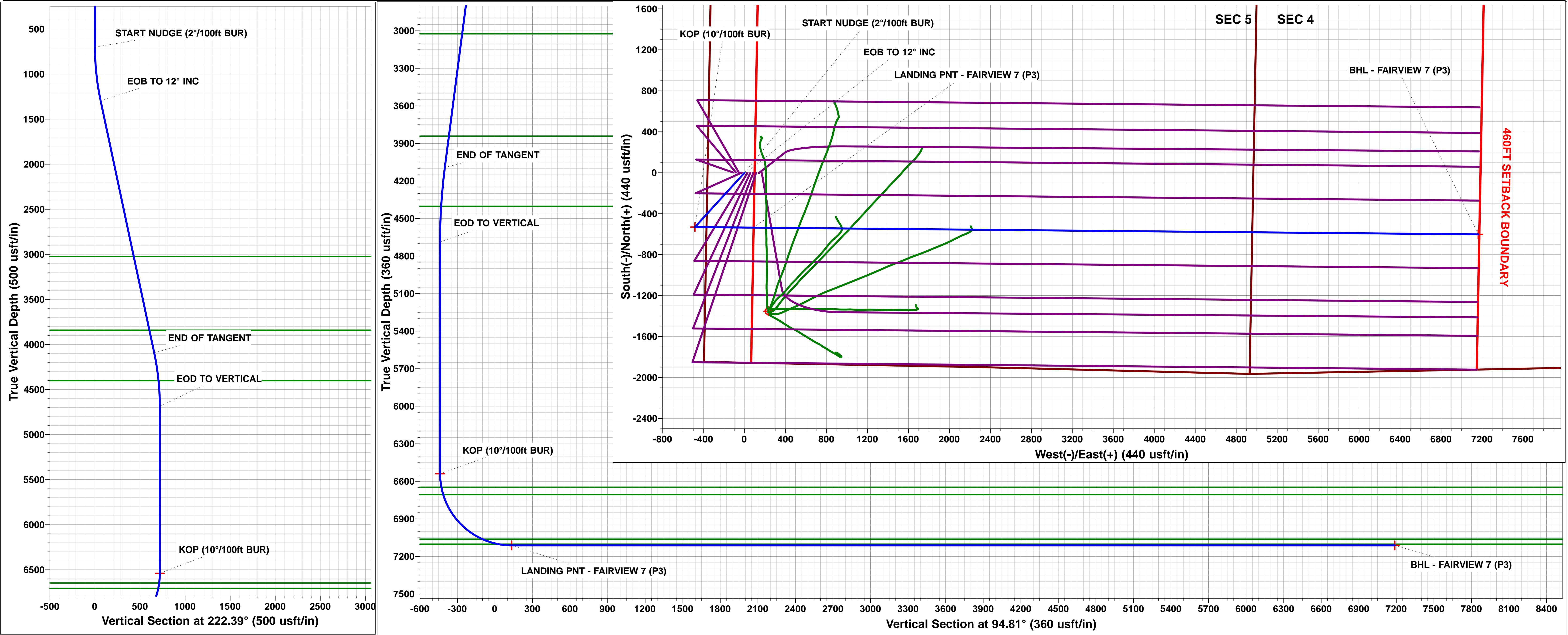
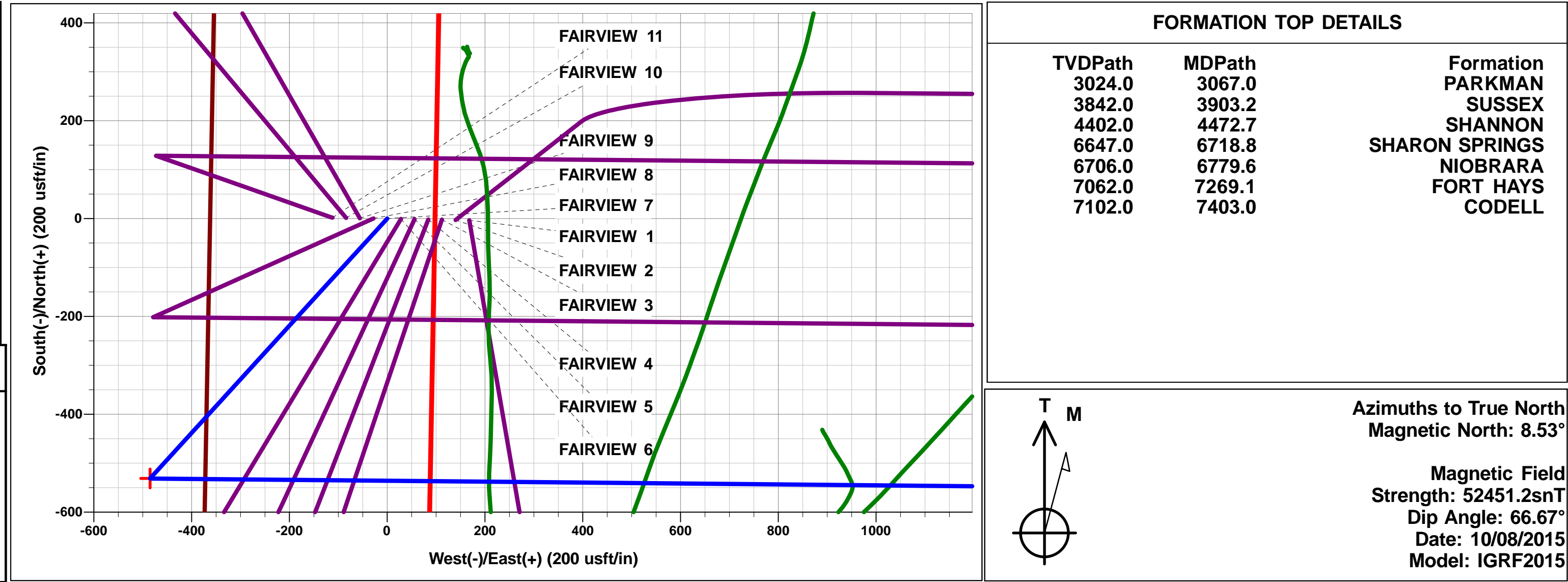




Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW SW SEC. 5 T2N R68W 6th P.M.  
Well: FAIRVIEW 7  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #3

ANNOTATIONS										
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation		
700.0	700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDDGE (2°/100ft BUR)		
1295.4	1299.8	12.00	222.39	-46.2	-42.2	-38.2	62.6	EOB TO 12° INC		
4091.6	4158.4	12.00	222.39	-485.0	-442.7	-400.5	656.7	END OF TANGENT		
4687.0	4758.2	0.00	0.00	-531.2	-484.9	-438.7	719.2	EOD TO VERTICAL		
6539.0	6610.2	0.00	0.00	-531.2	-484.9	-438.7	719.2	KOP (10°/100ft BUR)		
7112.0	7510.2	90.00	90.54	-536.6	88.0	132.7	1292.2	LANDING PNT - FAIRVIEW 7 (P3)		
7112.0	14584.4	90.00	90.53	-602.6	7161.9	7187.2	8366.4	BHL - FAIRVIEW 7 (P3)		

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - FAIRVIEW 7 (P3)	6539.0	-531.2	-484.9	40.164307	-105.037003
LANDING PNT - FAIRVIEW 7 (P3)	7112.0	-536.6	88.0	40.164292	-105.034953
BHL - FAIRVIEW 7 (P3)	7112.0	-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 @ 4962.0usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4962.0usft
<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 #3		

<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

Site		NW SW SEC. 5 T2N R68W 6th P.M.			
Site Position:		Northing:	1,303,569.20 usft	Latitude:	40.165756
From:	Lat/Long	Easting:	3,130,047.26 usft	Longitude:	-105.034667
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000 ft	Grid Convergence:	0.30 °

Well	FAIRVIEW 7					
Well Position	+N-S	3.3 usft	Northing:	1,303,571.59 usfi	Latitude:	40.165765
	+E-W	-168.0 usft	Easting:	3,129,879.28 usfi	Longitude:	-105.035268
Position Uncertainty		0.0 usft	Wellhead Elevation:	usfi	Ground Level:	4,946.0 usft

<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>
	IGRF2015	10/08/2015	8.53	66.67	52,451

<b>Design</b>	PROPOSAL #3			
<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	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	-4,962.0	0.0	0.0	0.00	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	-4,262.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,299.8	12.00	222.39	1,295.4	-3,666.6	-46.2	-42.2	2.00	2.00	0.00	222.39	
4,158.4	12.00	222.39	4,091.6	-870.4	-485.0	-442.7	0.00	0.00	0.00	0.00	
4,758.2	0.00	0.00	4,687.0	-275.0	-531.2	-484.9	2.00	-2.00	0.00	180.00	
6,610.2	0.00	0.00	6,539.0	1,577.0	-531.2	-484.9	0.00	0.00	0.00	0.00	KOP - FAIRVIEW 7
7,510.2	90.00	90.54	7,112.0	2,150.0	-536.6	88.0	10.00	10.00	10.06	90.54	LANDING PNT - FAIRVIEW 7
14,584.4	90.00	90.53	7,112.0	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 @ 4962.0usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4962.0usft
<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 #3		

## 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	4,962.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,862.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,762.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,662.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,562.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,462.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,362.00	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2°/100ft BUR)</b>										
700.0	0.00	0.00	700.0	4,262.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	2.00	222.39	800.0	4,162.02	-1.3	-1.2	-1.1	2.00	2.00	0.00
900.0	4.00	222.39	899.8	4,062.16	-5.2	-4.7	-4.3	2.00	2.00	0.00
1,000.0	6.00	222.39	999.5	3,962.55	-11.6	-10.6	-9.6	2.00	2.00	0.00
1,100.0	8.00	222.39	1,098.7	3,863.30	-20.6	-18.8	-17.0	2.00	2.00	0.00
1,200.0	10.00	222.39	1,197.5	3,764.53	-32.1	-29.3	-26.5	2.00	2.00	0.00
<b>EOB TO 12° INC</b>										
1,299.8	12.00	222.39	1,295.4	3,666.57	-46.2	-42.2	-38.2	2.00	2.00	0.00
1,300.0	12.00	222.39	1,295.6	3,666.38	-46.2	-42.2	-38.2	0.00	0.00	0.00
1,400.0	12.00	222.39	1,393.4	3,568.56	-61.6	-56.2	-50.9	0.00	0.00	0.00
1,500.0	12.00	222.39	1,491.3	3,470.74	-76.9	-70.2	-63.5	0.00	0.00	0.00
1,600.0	12.00	222.39	1,589.1	3,372.93	-92.3	-84.2	-76.2	0.00	0.00	0.00
1,700.0	12.00	222.39	1,686.9	3,275.11	-107.6	-98.3	-88.9	0.00	0.00	0.00
1,800.0	12.00	222.39	1,784.7	3,177.30	-123.0	-112.3	-101.6	0.00	0.00	0.00
1,900.0	12.00	222.39	1,882.5	3,079.48	-138.3	-126.3	-114.2	0.00	0.00	0.00
2,000.0	12.00	222.39	1,980.3	2,981.66	-153.7	-140.3	-126.9	0.00	0.00	0.00
2,100.0	12.00	222.39	2,078.2	2,883.85	-169.0	-154.3	-139.6	0.00	0.00	0.00
2,200.0	12.00	222.39	2,176.0	2,786.03	-184.4	-168.3	-152.3	0.00	0.00	0.00
2,300.0	12.00	222.39	2,273.8	2,688.21	-199.7	-182.3	-164.9	0.00	0.00	0.00
2,400.0	12.00	222.39	2,371.6	2,590.40	-215.1	-196.3	-177.6	0.00	0.00	0.00
2,500.0	12.00	222.39	2,469.4	2,492.58	-230.4	-210.4	-190.3	0.00	0.00	0.00
2,600.0	12.00	222.39	2,567.2	2,394.76	-245.8	-224.4	-203.0	0.00	0.00	0.00
2,700.0	12.00	222.39	2,665.1	2,296.95	-261.1	-238.4	-215.6	0.00	0.00	0.00
2,800.0	12.00	222.39	2,762.9	2,199.13	-276.5	-252.4	-228.3	0.00	0.00	0.00
2,900.0	12.00	222.39	2,860.7	2,101.32	-291.8	-266.4	-241.0	0.00	0.00	0.00
3,000.0	12.00	222.39	2,958.5	2,003.50	-307.2	-280.4	-253.7	0.00	0.00	0.00
<b>PARKMAN</b>										
3,067.0	12.00	222.39	3,024.0	1,938.00	-317.5	-289.8	-262.2	0.00	0.00	0.00
3,100.0	12.00	222.39	3,056.3	1,905.68	-322.5	-294.4	-266.4	0.00	0.00	0.00
3,200.0	12.00	222.39	3,154.1	1,807.87	-337.9	-308.4	-279.0	0.00	0.00	0.00
3,300.0	12.00	222.39	3,251.9	1,710.05	-353.2	-322.5	-291.7	0.00	0.00	0.00
3,400.0	12.00	222.39	3,349.8	1,612.23	-368.6	-336.5	-304.4	0.00	0.00	0.00
3,500.0	12.00	222.39	3,447.6	1,514.42	-383.9	-350.5	-317.1	0.00	0.00	0.00
3,600.0	12.00	222.39	3,545.4	1,416.60	-399.3	-364.5	-329.7	0.00	0.00	0.00
3,700.0	12.00	222.39	3,643.2	1,318.79	-414.6	-378.5	-342.4	0.00	0.00	0.00
3,800.0	12.00	222.39	3,741.0	1,220.97	-430.0	-392.5	-355.1	0.00	0.00	0.00
3,900.0	12.00	222.39	3,838.8	1,123.15	-445.3	-406.5	-367.8	0.00	0.00	0.00
<b>SUSSEX</b>										
3,903.2	12.00	222.39	3,842.0	1,120.00	-445.8	-407.0	-368.2	0.00	0.00	0.00
4,000.0	12.00	222.39	3,936.7	1,025.34	-460.7	-420.5	-380.4	0.00	0.00	0.00
4,100.0	12.00	222.39	4,034.5	927.52	-476.0	-434.6	-393.1	0.00	0.00	0.00
<b>END OF TANGENT</b>										
4,158.4	12.00	222.39	4,091.6	870.40	-485.0	-442.7	-400.5	0.00	0.00	0.00
4,200.0	11.16	222.39	4,132.4	829.64	-491.2	-448.4	-405.6	2.00	-2.00	0.00
4,300.0	9.16	222.39	4,230.8	731.22	-504.2	-460.3	-416.4	2.00	-2.00	0.00
4,400.0	7.16	222.39	4,329.8	632.24	-514.7	-469.8	-425.0	2.00	-2.00	0.00

# Planning Report



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<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4962.0usft
<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 #3		

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>SHANNON</b>										
4,472.7	5.71	222.39	4,402.0	560.00	-520.7	-475.3	-430.0	2.00	-2.00	0.00
4,500.0	5.16	222.39	4,429.2	532.82	-522.6	-477.1	-431.6	2.00	-2.00	0.00
4,600.0	3.16	222.39	4,528.9	433.09	-528.0	-482.0	-436.0	2.00	-2.00	0.00
4,700.0	1.16	222.39	4,628.8	333.16	-530.8	-484.5	-438.3	2.00	-2.00	0.00
<b>EOD TO VERTICAL</b>										
4,758.2	0.00	0.00	4,687.0	274.97	-531.2	-484.9	-438.7	2.00	-2.00	0.00
4,800.0	0.00	0.00	4,728.8	233.17	-531.2	-484.9	-438.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,828.8	133.17	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,928.8	33.17	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,028.8	-66.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,128.8	-166.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,228.8	-266.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,328.8	-366.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,428.8	-466.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,528.8	-566.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,628.8	-666.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,728.8	-766.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,828.8	-866.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,928.8	-966.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,100.0	0.00	0.00	6,028.8	-1,066.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,128.8	-1,166.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,228.8	-1,266.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,328.8	-1,366.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,428.8	-1,466.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,528.8	-1,566.83	-531.2	-484.9	-438.7	0.00	0.00	0.00
<b>KOP (10°/100ft BUR)</b>										
6,610.2	0.00	0.00	6,539.0	-1,577.03	-531.2	-484.9	-438.7	0.00	0.00	0.00
6,700.0	8.98	90.54	6,628.5	-1,666.46	-531.3	-477.9	-431.7	10.00	10.00	0.00
<b>SHARON SPRINGS</b>										
6,718.8	10.86	90.54	6,647.0	-1,685.00	-531.3	-474.6	-428.4	10.00	10.00	0.00
<b>NIOBRARA</b>										
6,779.6	16.94	90.54	6,706.0	-1,744.00	-531.4	-460.0	-413.9	10.00	10.00	0.00
6,800.0	18.98	90.54	6,725.4	-1,763.38	-531.5	-453.8	-407.6	10.00	10.00	0.00
6,900.0	28.98	90.54	6,816.6	-1,854.63	-531.9	-413.2	-367.1	10.00	10.00	0.00
7,000.0	38.98	90.54	6,899.4	-1,937.45	-532.4	-357.3	-311.5	10.00	10.00	0.00
7,100.0	48.98	90.54	6,971.3	-2,009.31	-533.1	-288.0	-242.3	10.00	10.00	0.00
7,200.0	58.98	90.54	7,030.0	-2,068.05	-533.8	-207.2	-161.7	10.00	10.00	0.00
<b>FORT HAYS</b>										
7,269.1	65.89	90.54	7,062.0	-2,100.00	-534.4	-146.0	-100.7	10.00	10.00	0.00
7,300.0	68.98	90.54	7,073.9	-2,111.86	-534.7	-117.5	-72.2	10.00	10.00	0.00
7,400.0	78.98	90.54	7,101.4	-2,139.43	-535.6	-21.5	23.5	10.00	10.00	0.00
<b>CODELL</b>										
7,403.0	79.28	90.54	7,102.0	-2,140.00	-535.6	-18.5	26.5	10.00	10.00	0.00
7,500.0	88.98	90.54	7,111.9	-2,149.91	-536.5	77.8	122.5	10.00	10.00	0.00
<b>LANDING PNT - FAIRVIEW 7 (P3)</b>										
7,510.2	90.00	90.54	7,112.0	-2,150.00	-536.6	88.0	132.7	10.00	10.00	0.00
7,600.0	90.00	90.54	7,112.0	-2,150.00	-537.4	177.8	222.3	0.00	0.00	0.00
7,700.0	90.00	90.54	7,112.0	-2,150.01	-538.4	277.8	322.0	0.00	0.00	0.00
7,800.0	90.00	90.54	7,112.0	-2,150.01	-539.3	377.8	421.7	0.00	0.00	0.00
7,900.0	90.00	90.54	7,112.0	-2,150.01	-540.3	477.8	521.4	0.00	0.00	0.00
8,000.0	90.00	90.54	7,112.0	-2,150.02	-541.2	577.8	621.1	0.00	0.00	0.00
8,100.0	90.00	90.54	7,112.0	-2,150.02	-542.2	677.8	720.9	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 @ 4962.0usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4962.0usft
<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 #3		

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)
8,200.0	90.00	90.54	7,112.0	-2,150.02	-543.1	777.8	820.6	0.00	0.00	0.00
8,300.0	90.00	90.54	7,112.0	-2,150.02	-544.0	877.8	920.3	0.00	0.00	0.00
8,400.0	90.00	90.54	7,112.0	-2,150.03	-545.0	977.8	1,020.0	0.00	0.00	0.00
8,500.0	90.00	90.54	7,112.0	-2,150.03	-545.9	1,077.8	1,119.8	0.00	0.00	0.00
8,600.0	90.00	90.54	7,112.0	-2,150.03	-546.9	1,177.8	1,219.5	0.00	0.00	0.00
8,700.0	90.00	90.54	7,112.0	-2,150.03	-547.8	1,277.8	1,319.2	0.00	0.00	0.00
8,800.0	90.00	90.54	7,112.0	-2,150.04	-548.7	1,377.8	1,418.9	0.00	0.00	0.00
8,900.0	90.00	90.54	7,112.0	-2,150.04	-549.7	1,477.8	1,518.6	0.00	0.00	0.00
9,000.0	90.00	90.54	7,112.0	-2,150.04	-550.6	1,577.8	1,618.4	0.00	0.00	0.00
9,100.0	90.00	90.54	7,112.0	-2,150.04	-551.5	1,677.8	1,718.1	0.00	0.00	0.00
9,200.0	90.00	90.54	7,112.0	-2,150.04	-552.5	1,777.8	1,817.8	0.00	0.00	0.00
9,300.0	90.00	90.54	7,112.0	-2,150.04	-553.4	1,877.7	1,917.5	0.00	0.00	0.00
9,400.0	90.00	90.54	7,112.0	-2,150.05	-554.4	1,977.7	2,017.3	0.00	0.00	0.00
9,500.0	90.00	90.54	7,112.0	-2,150.05	-555.3	2,077.7	2,117.0	0.00	0.00	0.00
9,600.0	90.00	90.54	7,112.0	-2,150.05	-556.2	2,177.7	2,216.7	0.00	0.00	0.00
9,700.0	90.00	90.54	7,112.1	-2,150.05	-557.2	2,277.7	2,316.4	0.00	0.00	0.00
9,800.0	90.00	90.54	7,112.1	-2,150.05	-558.1	2,377.7	2,416.1	0.00	0.00	0.00
9,900.0	90.00	90.54	7,112.1	-2,150.05	-559.0	2,477.7	2,515.9	0.00	0.00	0.00
10,000.0	90.00	90.54	7,112.1	-2,150.05	-560.0	2,577.7	2,615.6	0.00	0.00	0.00
10,100.0	90.00	90.54	7,112.1	-2,150.06	-560.9	2,677.7	2,715.3	0.00	0.00	0.00
10,200.0	90.00	90.54	7,112.1	-2,150.06	-561.8	2,777.7	2,815.0	0.00	0.00	0.00
10,300.0	90.00	90.54	7,112.1	-2,150.06	-562.8	2,877.7	2,914.8	0.00	0.00	0.00
10,400.0	90.00	90.54	7,112.1	-2,150.06	-563.7	2,977.7	3,014.5	0.00	0.00	0.00
10,500.0	90.00	90.54	7,112.1	-2,150.06	-564.7	3,077.7	3,114.2	0.00	0.00	0.00
10,600.0	90.00	90.54	7,112.1	-2,150.06	-565.6	3,177.7	3,213.9	0.00	0.00	0.00
10,700.0	90.00	90.54	7,112.1	-2,150.06	-566.5	3,277.7	3,313.6	0.00	0.00	0.00
10,800.0	90.00	90.53	7,112.1	-2,150.06	-567.5	3,377.7	3,413.4	0.00	0.00	0.00
10,900.0	90.00	90.53	7,112.1	-2,150.06	-568.4	3,477.7	3,513.1	0.00	0.00	0.00
11,000.0	90.00	90.53	7,112.1	-2,150.06	-569.3	3,577.7	3,612.8	0.00	0.00	0.00
11,100.0	90.00	90.53	7,112.1	-2,150.06	-570.3	3,677.7	3,712.5	0.00	0.00	0.00
11,200.0	90.00	90.53	7,112.1	-2,150.06	-571.2	3,777.7	3,812.3	0.00	0.00	0.00
11,300.0	90.00	90.53	7,112.1	-2,150.06	-572.1	3,877.7	3,912.0	0.00	0.00	0.00
11,400.0	90.00	90.53	7,112.1	-2,150.06	-573.1	3,977.7	4,011.7	0.00	0.00	0.00
11,500.0	90.00	90.53	7,112.1	-2,150.06	-574.0	4,077.6	4,111.4	0.00	0.00	0.00
11,600.0	90.00	90.53	7,112.1	-2,150.06	-574.9	4,177.6	4,211.1	0.00	0.00	0.00
11,700.0	90.00	90.53	7,112.1	-2,150.06	-575.8	4,277.6	4,310.9	0.00	0.00	0.00
11,800.0	90.00	90.53	7,112.1	-2,150.06	-576.8	4,377.6	4,410.6	0.00	0.00	0.00
11,900.0	90.00	90.53	7,112.1	-2,150.06	-577.7	4,477.6	4,510.3	0.00	0.00	0.00
12,000.0	90.00	90.53	7,112.1	-2,150.06	-578.6	4,577.6	4,610.0	0.00	0.00	0.00
12,100.0	90.00	90.53	7,112.1	-2,150.05	-579.6	4,677.6	4,709.7	0.00	0.00	0.00
12,200.0	90.00	90.53	7,112.1	-2,150.05	-580.5	4,777.6	4,809.5	0.00	0.00	0.00
12,300.0	90.00	90.53	7,112.1	-2,150.05	-581.4	4,877.6	4,909.2	0.00	0.00	0.00
12,400.0	90.00	90.53	7,112.1	-2,150.05	-582.4	4,977.6	5,008.9	0.00	0.00	0.00
12,500.0	90.00	90.53	7,112.0	-2,150.05	-583.3	5,077.6	5,108.6	0.00	0.00	0.00
12,600.0	90.00	90.53	7,112.0	-2,150.05	-584.2	5,177.6	5,208.4	0.00	0.00	0.00
12,700.0	90.00	90.53	7,112.0	-2,150.05	-585.1	5,277.6	5,308.1	0.00	0.00	0.00
12,800.0	90.00	90.53	7,112.0	-2,150.04	-586.1	5,377.6	5,407.8	0.00	0.00	0.00
12,900.0	90.00	90.53	7,112.0	-2,150.04	-587.0	5,477.6	5,507.5	0.00	0.00	0.00
13,000.0	90.00	90.53	7,112.0	-2,150.04	-587.9	5,577.6	5,607.2	0.00	0.00	0.00
13,100.0	90.00	90.53	7,112.0	-2,150.04	-588.9	5,677.6	5,707.0	0.00	0.00	0.00
13,200.0	90.00	90.53	7,112.0	-2,150.04	-589.8	5,777.6	5,806.7	0.00	0.00	0.00
13,300.0	90.00	90.53	7,112.0	-2,150.04	-590.7	5,877.6	5,906.4	0.00	0.00	0.00
13,400.0	90.00	90.53	7,112.0	-2,150.03	-591.6	5,977.6	6,006.1	0.00	0.00	0.00
13,500.0	90.00	90.53	7,112.0	-2,150.03	-592.6	6,077.6	6,105.8	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 @ 4962.0usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4962.0usft
<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 #3		

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)
13,600.0	90.00	90.53	7,112.0	-2,150.03	-593.5	6,177.6	6,205.6	0.00	0.00	0.00
13,700.0	90.00	90.53	7,112.0	-2,150.03	-594.4	6,277.6	6,305.3	0.00	0.00	0.00
13,800.0	90.00	90.53	7,112.0	-2,150.02	-595.3	6,377.6	6,405.0	0.00	0.00	0.00
13,900.0	90.00	90.53	7,112.0	-2,150.02	-596.3	6,477.5	6,504.7	0.00	0.00	0.00
14,000.0	90.00	90.53	7,112.0	-2,150.02	-597.2	6,577.5	6,604.5	0.00	0.00	0.00
14,100.0	90.00	90.53	7,112.0	-2,150.02	-598.1	6,677.5	6,704.2	0.00	0.00	0.00
14,200.0	90.00	90.53	7,112.0	-2,150.01	-599.0	6,777.5	6,803.9	0.00	0.00	0.00
14,300.0	90.00	90.53	7,112.0	-2,150.01	-600.0	6,877.5	6,903.6	0.00	0.00	0.00
14,400.0	90.00	90.53	7,112.0	-2,150.01	-600.9	6,977.5	7,003.3	0.00	0.00	0.00
14,500.0	90.00	90.53	7,112.0	-2,150.00	-601.8	7,077.5	7,103.1	0.00	0.00	0.00
<b>BHL - FAIRVIEW 7 (P3)</b>										
<b>14,584.4</b>	<b>90.00</b>	<b>90.53</b>	<b>7,112.0</b>	<b>-2,150.00</b>	<b>-602.6</b>	<b>7,161.9</b>	<b>7,187.2</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Formations					
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,067.0	3,024.0	PARKMAN		0.00	
3,903.2	3,842.0	SUSSEX		0.00	
4,472.7	4,402.0	SHANNON		0.00	
6,718.8	6,647.0	SHARON SPRINGS		0.00	
6,779.6	6,706.0	NIOBRARA		0.00	
7,269.1	7,062.0	FORT HAYS		0.00	
7,403.0	7,102.0	CODELL		0.00	

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
700.0	700.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,299.8	1,295.4	-46.2	-42.2	EOB TO 12° INC
4,158.4	4,091.6	-485.0	-442.7	END OF TANGENT
4,758.2	4,687.0	-531.2	-484.9	EOD TO VERTICAL
6,610.2	6,539.0	-531.2	-484.9	KOP (10°/100ft BUR)
7,510.2	7,112.0	-536.6	88.0	LANDING PNT - FAIRVIEW 7 (P3)
14,584.4	7,112.0	-602.6	7,161.9	BHL - FAIRVIEW 7 (P3)