

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

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

FAIRVIEW 2

ORIGINAL WELLBORE

10 August, 2015

Plan: PROPOSAL #4

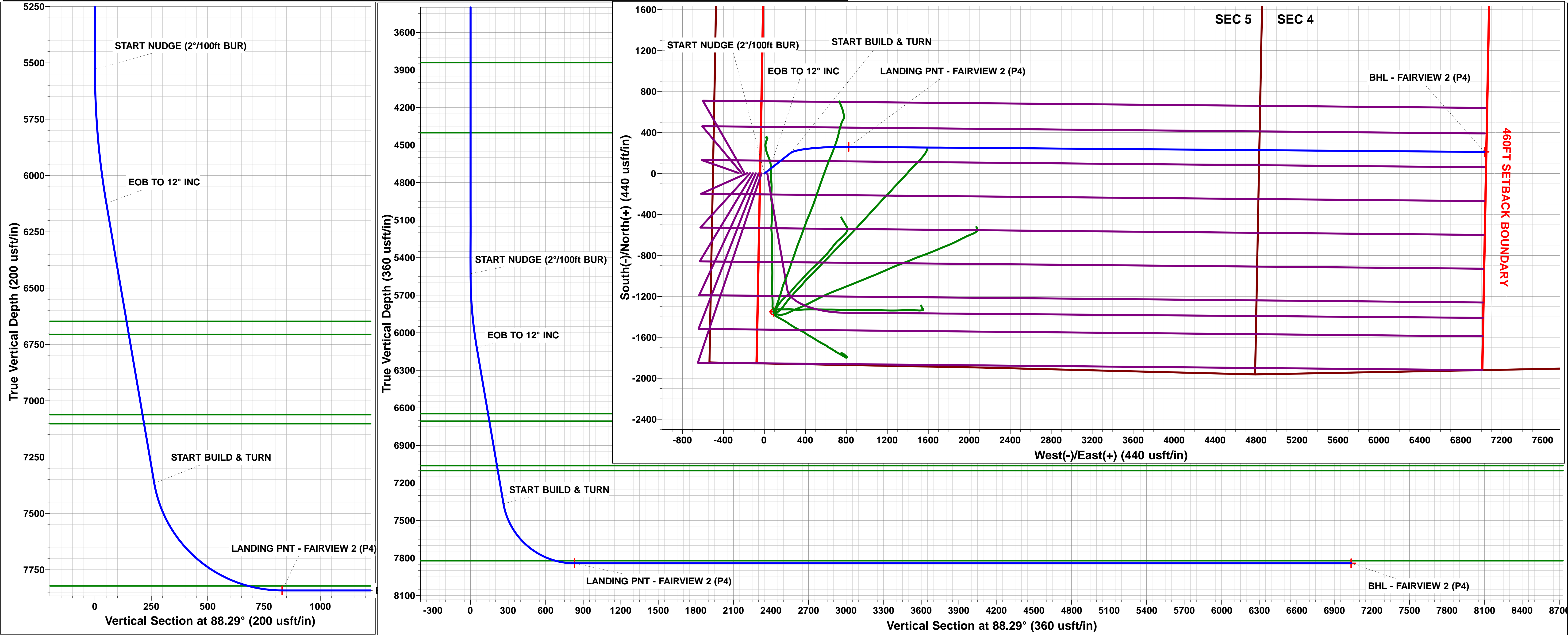
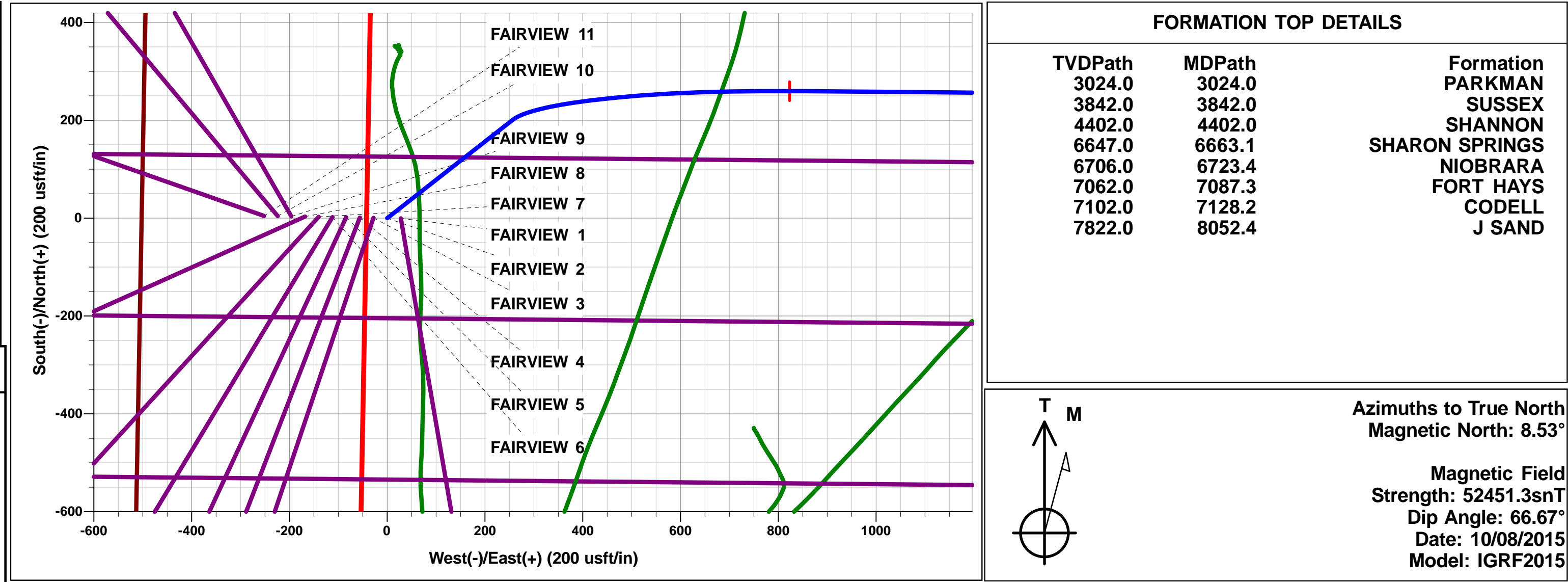




Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW SW SEC. 5 T2N R68W 6th P.M.
Well: FAIRVIEW 2
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #4

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation	
5528.0	5528.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDDGE (2°/100ft BUR)	
6123.7	6128.0	12.00	51.95	38.6	49.3	50.4	62.6	EOB TO 12° INC	
7366.4	7398.5	12.00	51.95	201.3	257.3	263.2	326.7	START BUILD & TURN	
7842.0	8204.9	90.00	90.45	259.8	823.1	830.5	899.3	LANDING PNT - FAIRVIEW 2 (P4)	
7842.0	14412.7	90.00	90.45	210.5	7030.7	7033.8	7107.0	BHL - FAIRVIEW 2 (P4)	

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
LANDING PNT - FAIRVIEW 2 (P4)	7842.0	259.8	823.1	40.166470	-105.031822	
BHL - FAIRVIEW 2 (P4)	7842.0	210.5	7030.7	40.166332	-105.009611	



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well FAIRVIEW 2
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4958.0usft
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4958.0usft
Site:	NW SW SEC. 5 T2N R68W 6th P.M.	North Reference:	True
Well:	FAIRVIEW 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #4		

Project	WELD COUNTY, COLORADO (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	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
From:	Lat/Long	Easting:	3,130,047.26 usft
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft
		Latitude:	40.165756
		Longitude:	-105.034667
		Grid Convergence:	0.30 °

Well	FAIRVIEW 2					
Well Position	+N/-S	0.4 usft	Northing:	1,303,569.41 usfi	Latitude:	40.165757
	+E/-W	-27.9 usft	Easting:	3,130,019.31 usfi	Longitude:	-105.034767
Position Uncertainty		0.0 usft	Wellhead Elevation:	usfi	Ground Level:	4,942.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/08/2015	8.53	66.67	52,451

Design	PROPOSAL #4				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	88.29	

Plan Sections											
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	-4,958.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,528.0	0.00	0.00	5,528.0	570.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,128.0	12.00	51.95	6,123.6	1,165.6	38.6	49.3	2.00	2.00	0.00	51.95	
6,128.0	12.00	51.95	6,123.7	1,165.7	38.6	49.3	10.00	-9.84	8.63	169.67	
7,398.5	12.00	51.95	7,366.4	2,408.4	201.3	257.3	0.00	0.00	0.00	0.00	
8,204.9	90.00	90.45	7,842.0	2,884.0	259.8	823.1	10.00	9.67	4.77	39.12	LANDING PNT - FA
14,412.7	90.00	90.45	7,842.0	2,884.0	210.5	7,030.7	0.00	0.00	0.00	0.00	BHL - FAIRVIEW 2

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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4958.0usft
Site:	NW SW SEC. 5 T2N R68W 6th P.M.	North Reference:	True
Well:	FAIRVIEW 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #4		

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	4,958.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,858.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,758.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,658.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,558.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,458.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,358.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,258.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,158.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,058.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,958.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,858.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,758.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,658.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,558.00	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,458.00	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	3,358.00	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	3,258.00	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	3,158.00	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	3,058.00	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	2,958.00	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	2,858.00	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	2,758.00	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	2,658.00	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	2,558.00	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	2,458.00	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	2,358.00	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	2,258.00	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	2,158.00	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	2,058.00	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	1,958.00	0.0	0.0	0.0	0.00	0.00	0.00
PARKMAN										
3,024.0	0.00	0.00	3,024.0	1,934.00	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	1,858.00	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	1,758.00	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	1,658.00	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	1,558.00	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	1,458.00	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	1,358.00	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	1,258.00	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	1,158.00	0.0	0.0	0.0	0.00	0.00	0.00
SUSSEX										
3,842.0	0.00	0.00	3,842.0	1,116.00	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	1,058.00	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	958.00	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	858.00	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	758.00	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	658.00	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	558.00	0.0	0.0	0.0	0.00	0.00	0.00
SHANNON										
4,402.0	0.00	0.00	4,402.0	556.00	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	458.00	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	358.00	0.0	0.0	0.0	0.00	0.00	0.00

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Design:	PROPOSAL #4		

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	0.00	0.00	4,700.0	258.00	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	158.00	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	58.00	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	-42.00	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	-142.00	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	-242.00	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	-342.00	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	-442.00	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	-542.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
5,528.0	0.00	0.00	5,528.0	-570.00	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	1.44	51.95	5,600.0	-641.99	0.6	0.7	0.7	2.00	2.00	0.00
5,700.0	3.44	51.95	5,699.9	-741.90	3.2	4.1	4.2	2.00	2.00	0.00
5,800.0	5.44	51.95	5,799.6	-841.59	8.0	10.2	10.4	2.00	2.00	0.00
5,900.0	7.44	51.95	5,899.0	-940.96	14.9	19.0	19.4	2.00	2.00	0.00
6,000.0	9.44	51.95	5,997.9	-1,039.87	23.9	30.6	31.3	2.00	2.00	0.00
6,100.0	11.44	51.95	6,096.2	-1,138.21	35.1	44.8	45.8	2.00	2.00	0.00
EOB TO 12° INC										
6,128.0	12.00	51.95	6,123.7	-1,165.66	38.6	49.3	50.4	2.00	2.00	0.00
6,200.0	12.00	51.95	6,194.1	-1,236.05	47.8	61.1	62.5	0.00	0.00	0.00
6,300.0	12.00	51.95	6,291.9	-1,333.87	60.6	77.5	79.2	0.00	0.00	0.00
6,400.0	12.00	51.95	6,389.7	-1,431.68	73.4	93.8	96.0	0.00	0.00	0.00
6,500.0	12.00	51.95	6,487.5	-1,529.50	86.2	110.2	112.7	0.00	0.00	0.00
6,600.0	12.00	51.95	6,585.3	-1,627.31	99.0	126.6	129.5	0.00	0.00	0.00
SHARON SPRINGS										
6,663.1	12.00	51.95	6,647.0	-1,689.00	107.1	136.9	140.0	0.00	0.00	0.00
6,700.0	12.00	51.95	6,683.1	-1,725.13	111.9	142.9	146.2	0.00	0.00	0.00
NIOBRARA										
6,723.4	12.00	51.95	6,706.0	-1,748.00	114.9	146.8	150.1	0.00	0.00	0.00
6,800.0	12.00	51.95	6,780.9	-1,822.95	124.7	159.3	163.0	0.00	0.00	0.00
6,900.0	12.00	51.95	6,878.8	-1,920.76	137.5	175.7	179.7	0.00	0.00	0.00
7,000.0	12.00	51.95	6,976.6	-2,018.58	150.3	192.0	196.4	0.00	0.00	0.00
FORT HAYS										
7,087.3	12.00	51.95	7,062.0	-2,104.00	161.5	206.3	211.1	0.00	0.00	0.00
7,100.0	12.00	51.95	7,074.4	-2,116.39	163.1	208.4	213.2	0.00	0.00	0.00
CODELL										
7,128.2	12.00	51.95	7,102.0	-2,144.00	166.7	213.0	217.9	0.00	0.00	0.00
7,200.0	12.00	51.95	7,172.2	-2,214.21	175.9	224.8	229.9	0.00	0.00	0.00
7,300.0	12.00	51.95	7,270.0	-2,312.03	188.7	241.1	246.7	0.00	0.00	0.00
START BUILD & TURN										
7,398.5	12.00	51.95	7,366.4	-2,408.39	201.3	257.3	263.2	0.00	0.00	0.00
7,400.0	12.11	52.40	7,367.8	-2,409.84	201.5	257.5	263.4	10.00	7.78	30.07
7,500.0	20.86	70.14	7,463.7	-2,505.69	214.0	282.6	288.9	10.00	8.75	17.74
7,600.0	30.37	77.41	7,553.8	-2,595.78	225.6	324.2	330.8	10.00	9.51	7.27
7,700.0	40.11	81.42	7,635.4	-2,677.37	235.9	380.8	387.7	10.00	9.73	4.01
7,800.0	49.93	84.07	7,706.0	-2,747.98	244.7	450.9	458.0	10.00	9.82	2.65
7,900.0	59.80	86.04	7,763.5	-2,805.46	251.7	532.3	539.6	10.00	9.87	1.97
8,000.0	69.70	87.65	7,806.1	-2,848.07	256.6	622.5	629.9	10.00	9.89	1.61
J SAND										
8,052.4	74.89	88.41	7,822.0	-2,864.00	258.3	672.4	679.8	10.00	9.90	1.45
8,100.0	79.60	89.06	7,832.5	-2,874.51	259.3	718.8	726.2	10.00	9.91	1.38
8,200.0	89.51	90.39	7,842.0	-2,883.98	259.8	818.2	825.6	10.00	9.91	1.33
LANDING PNT - FAIRVIEW 2 (P4)										

Planning Report



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Site:	NW SW SEC. 5 T2N R68W 6th P.M.	North Reference:	True
Well:	FAIRVIEW 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #4		

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)
8,204.9	90.00	90.45	7,842.0	-2,884.00	259.8	823.1	830.5	10.00	9.91	1.31
8,300.0	90.00	90.45	7,842.0	-2,884.00	259.0	918.2	925.5	0.00	0.00	0.00
8,400.0	90.00	90.45	7,842.0	-2,884.00	258.2	1,018.2	1,025.4	0.00	0.00	0.00
8,500.0	90.00	90.45	7,842.0	-2,884.00	257.4	1,118.2	1,125.4	0.00	0.00	0.00
8,600.0	90.00	90.45	7,842.0	-2,884.00	256.6	1,218.2	1,225.3	0.00	0.00	0.00
8,700.0	90.00	90.45	7,842.0	-2,884.00	255.8	1,318.2	1,325.2	0.00	0.00	0.00
8,800.0	90.00	90.45	7,842.0	-2,884.00	255.0	1,418.2	1,425.2	0.00	0.00	0.00
8,900.0	90.00	90.45	7,842.0	-2,884.00	254.3	1,518.2	1,525.1	0.00	0.00	0.00
9,000.0	90.00	90.45	7,842.0	-2,884.00	253.5	1,618.2	1,625.0	0.00	0.00	0.00
9,100.0	90.00	90.45	7,842.0	-2,884.00	252.7	1,718.1	1,724.9	0.00	0.00	0.00
9,200.0	90.00	90.45	7,842.0	-2,884.00	251.9	1,818.1	1,824.9	0.00	0.00	0.00
9,300.0	90.00	90.45	7,842.0	-2,884.00	251.1	1,918.1	1,924.8	0.00	0.00	0.00
9,400.0	90.00	90.45	7,842.0	-2,884.00	250.3	2,018.1	2,024.7	0.00	0.00	0.00
9,500.0	90.00	90.45	7,842.0	-2,884.00	249.5	2,118.1	2,124.7	0.00	0.00	0.00
9,600.0	90.00	90.45	7,842.0	-2,884.00	248.7	2,218.1	2,224.6	0.00	0.00	0.00
9,700.0	90.00	90.45	7,842.0	-2,884.00	247.9	2,318.1	2,324.5	0.00	0.00	0.00
9,800.0	90.00	90.45	7,842.0	-2,884.00	247.1	2,418.1	2,424.4	0.00	0.00	0.00
9,900.0	90.00	90.45	7,842.0	-2,884.00	246.3	2,518.1	2,524.4	0.00	0.00	0.00
10,000.0	90.00	90.45	7,842.0	-2,884.00	245.5	2,618.1	2,624.3	0.00	0.00	0.00
10,100.0	90.00	90.45	7,842.0	-2,884.00	244.7	2,718.1	2,724.2	0.00	0.00	0.00
10,200.0	90.00	90.45	7,842.0	-2,884.00	243.9	2,818.1	2,824.2	0.00	0.00	0.00
10,300.0	90.00	90.45	7,842.0	-2,884.00	243.1	2,918.1	2,924.1	0.00	0.00	0.00
10,400.0	90.00	90.45	7,842.0	-2,884.00	242.3	3,018.1	3,024.0	0.00	0.00	0.00
10,500.0	90.00	90.45	7,842.0	-2,884.00	241.5	3,118.1	3,123.9	0.00	0.00	0.00
10,600.0	90.00	90.45	7,842.0	-2,884.00	240.8	3,218.1	3,223.9	0.00	0.00	0.00
10,700.0	90.00	90.45	7,842.0	-2,884.00	240.0	3,318.1	3,323.8	0.00	0.00	0.00
10,800.0	90.00	90.45	7,842.0	-2,884.00	239.2	3,418.1	3,423.7	0.00	0.00	0.00
10,900.0	90.00	90.45	7,842.0	-2,884.00	238.4	3,518.1	3,523.7	0.00	0.00	0.00
11,000.0	90.00	90.45	7,842.0	-2,884.00	237.6	3,618.1	3,623.6	0.00	0.00	0.00
11,100.0	90.00	90.45	7,842.0	-2,884.00	236.8	3,718.1	3,723.5	0.00	0.00	0.00
11,200.0	90.00	90.45	7,842.0	-2,884.00	236.0	3,818.1	3,823.4	0.00	0.00	0.00
11,300.0	90.00	90.45	7,842.0	-2,884.00	235.2	3,918.1	3,923.4	0.00	0.00	0.00
11,400.0	90.00	90.45	7,842.0	-2,884.00	234.4	4,018.1	4,023.3	0.00	0.00	0.00
11,500.0	90.00	90.45	7,842.0	-2,884.00	233.6	4,118.1	4,123.2	0.00	0.00	0.00
11,600.0	90.00	90.45	7,842.0	-2,884.00	232.8	4,218.1	4,223.1	0.00	0.00	0.00
11,700.0	90.00	90.45	7,842.0	-2,884.00	232.0	4,318.1	4,323.1	0.00	0.00	0.00
11,800.0	90.00	90.45	7,842.0	-2,884.00	231.2	4,418.1	4,423.0	0.00	0.00	0.00
11,900.0	90.00	90.45	7,842.0	-2,884.00	230.4	4,518.1	4,522.9	0.00	0.00	0.00
12,000.0	90.00	90.45	7,842.0	-2,884.00	229.6	4,618.1	4,622.9	0.00	0.00	0.00
12,100.0	90.00	90.45	7,842.0	-2,884.00	228.8	4,718.1	4,722.8	0.00	0.00	0.00
12,200.0	90.00	90.45	7,842.0	-2,884.00	228.0	4,818.1	4,822.7	0.00	0.00	0.00
12,300.0	90.00	90.45	7,842.0	-2,884.00	227.3	4,918.0	4,922.6	0.00	0.00	0.00
12,400.0	90.00	90.45	7,842.0	-2,884.00	226.5	5,018.0	5,022.6	0.00	0.00	0.00
12,500.0	90.00	90.45	7,842.0	-2,884.00	225.7	5,118.0	5,122.5	0.00	0.00	0.00
12,600.0	90.00	90.45	7,842.0	-2,884.00	224.9	5,218.0	5,222.4	0.00	0.00	0.00
12,700.0	90.00	90.45	7,842.0	-2,884.00	224.1	5,318.0	5,322.4	0.00	0.00	0.00
12,800.0	90.00	90.45	7,842.0	-2,884.00	223.3	5,418.0	5,422.3	0.00	0.00	0.00
12,900.0	90.00	90.45	7,842.0	-2,884.00	222.5	5,518.0	5,522.2	0.00	0.00	0.00
13,000.0	90.00	90.45	7,842.0	-2,884.00	221.7	5,618.0	5,622.1	0.00	0.00	0.00
13,100.0	90.00	90.45	7,842.0	-2,884.00	220.9	5,718.0	5,722.1	0.00	0.00	0.00
13,200.0	90.00	90.45	7,842.0	-2,884.00	220.1	5,818.0	5,822.0	0.00	0.00	0.00
13,300.0	90.00	90.45	7,842.0	-2,884.00	219.3	5,918.0	5,921.9	0.00	0.00	0.00
13,400.0	90.00	90.45	7,842.0	-2,884.00	218.5	6,018.0	6,021.9	0.00	0.00	0.00
13,500.0	90.00	90.45	7,842.0	-2,884.00	217.7	6,118.0	6,121.8	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well FAIRVIEW 2
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4958.0usft
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4958.0usft
Site:	NW SW SEC. 5 T2N R68W 6th P.M.	North Reference:	True
Well:	FAIRVIEW 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #4		

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	90.45	7,842.0	-2,884.00	216.9	6,218.0	6,221.7	0.00	0.00	0.00
13,700.0	90.00	90.45	7,842.0	-2,884.00	216.1	6,318.0	6,321.6	0.00	0.00	0.00
13,800.0	90.00	90.45	7,842.0	-2,884.00	215.3	6,418.0	6,421.6	0.00	0.00	0.00
13,900.0	90.00	90.45	7,842.0	-2,884.00	214.6	6,518.0	6,521.5	0.00	0.00	0.00
14,000.0	90.00	90.45	7,842.0	-2,884.00	213.8	6,618.0	6,621.4	0.00	0.00	0.00
14,100.0	90.00	90.45	7,842.0	-2,884.00	213.0	6,718.0	6,721.4	0.00	0.00	0.00
14,200.0	90.00	90.45	7,842.0	-2,884.00	212.2	6,818.0	6,821.3	0.00	0.00	0.00
14,300.0	90.00	90.45	7,842.0	-2,884.00	211.4	6,918.0	6,921.2	0.00	0.00	0.00
14,400.0	90.00	90.45	7,842.0	-2,884.00	210.6	7,018.0	7,021.1	0.00	0.00	0.00
BHL - FAIRVIEW 2 (P4)										
14,412.7	90.00	90.45	7,842.0	-2,884.00	210.5	7,030.7	7,033.8	0.00	0.00	0.00

Formations						
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,024.0	3,024.0	PARKMAN		0.00		
3,842.0	3,842.0	SUSSEX		0.00		
4,402.0	4,402.0	SHANNON		0.00		
6,663.1	6,647.0	SHARON SPRINGS		0.00		
6,723.4	6,706.0	NIOBRARA		0.00		
7,087.3	7,062.0	FORT HAYS		0.00		
7,128.2	7,102.0	CODELL				
8,052.4	7,822.0	J SAND		0.00		

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,528.0	5,528.0	0.0	0.0	START NUDGE (2°/100ft BUR)
6,128.0	6,123.7	38.6	49.3	EOB TO 12° INC
7,398.5	7,366.4	201.3	257.3	START BUILD & TURN
8,204.9	7,842.0	259.8	823.1	LANDING PNT - FAIRVIEW 2 (P4)
14,412.7	7,842.0	210.5	7,030.7	BHL - FAIRVIEW 2 (P4)