

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

NW SW SEC. 13 T2N R68W 6th P.M.

JOHNSON TRUST 4

ORIGINAL WELLBORE

07 October, 2014

Plan: PROPOSAL #1



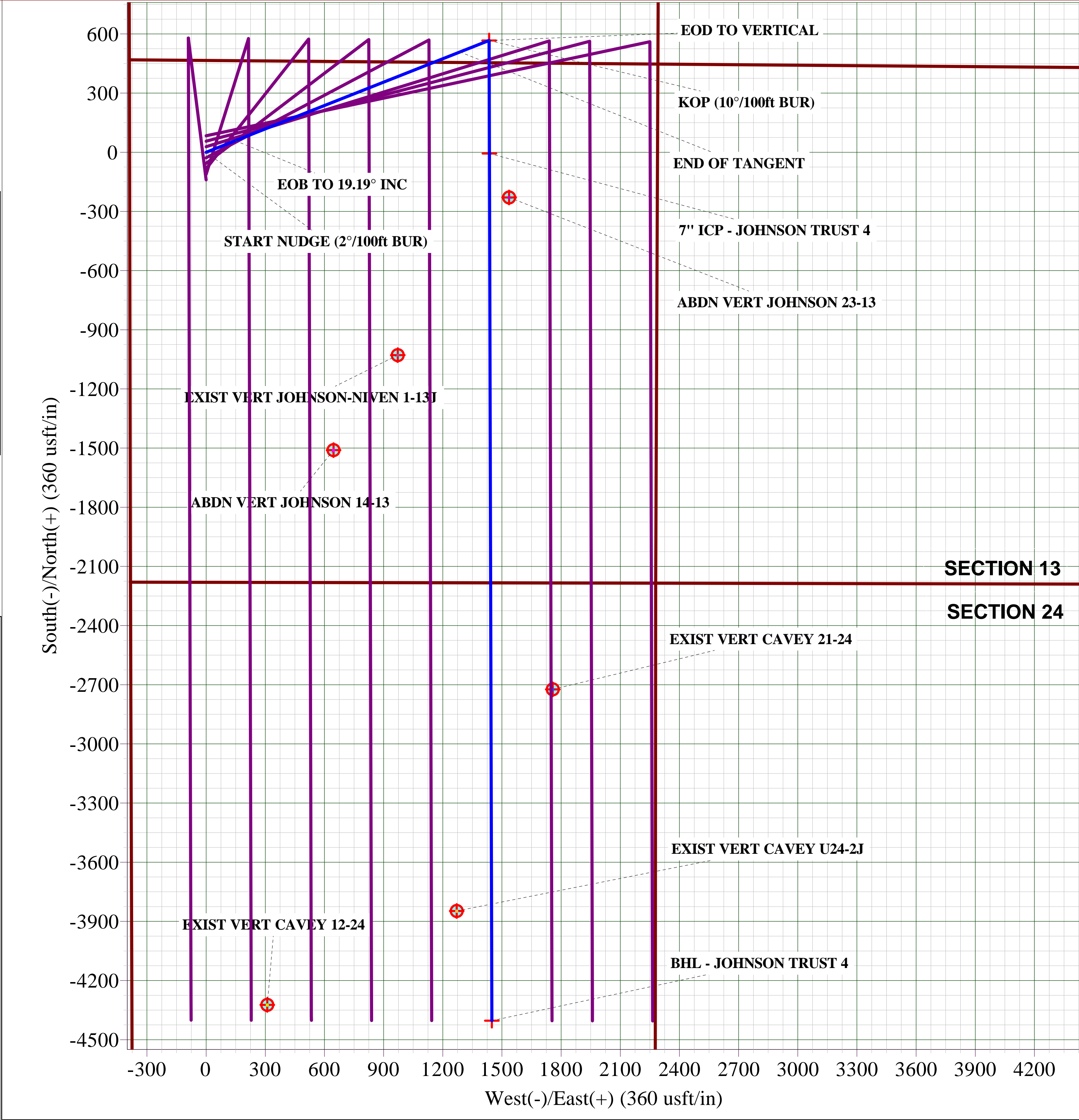
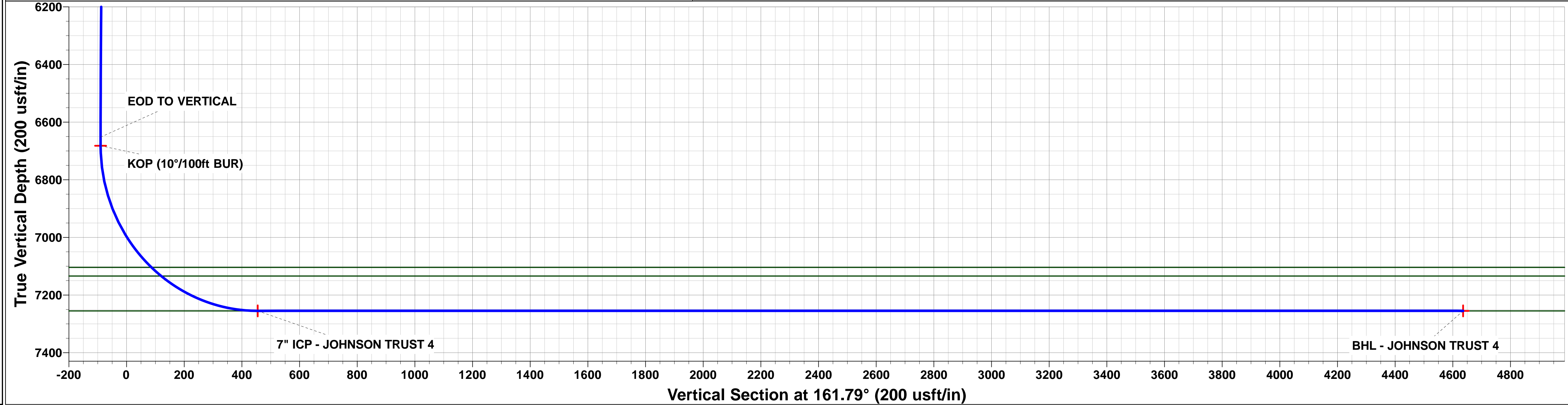
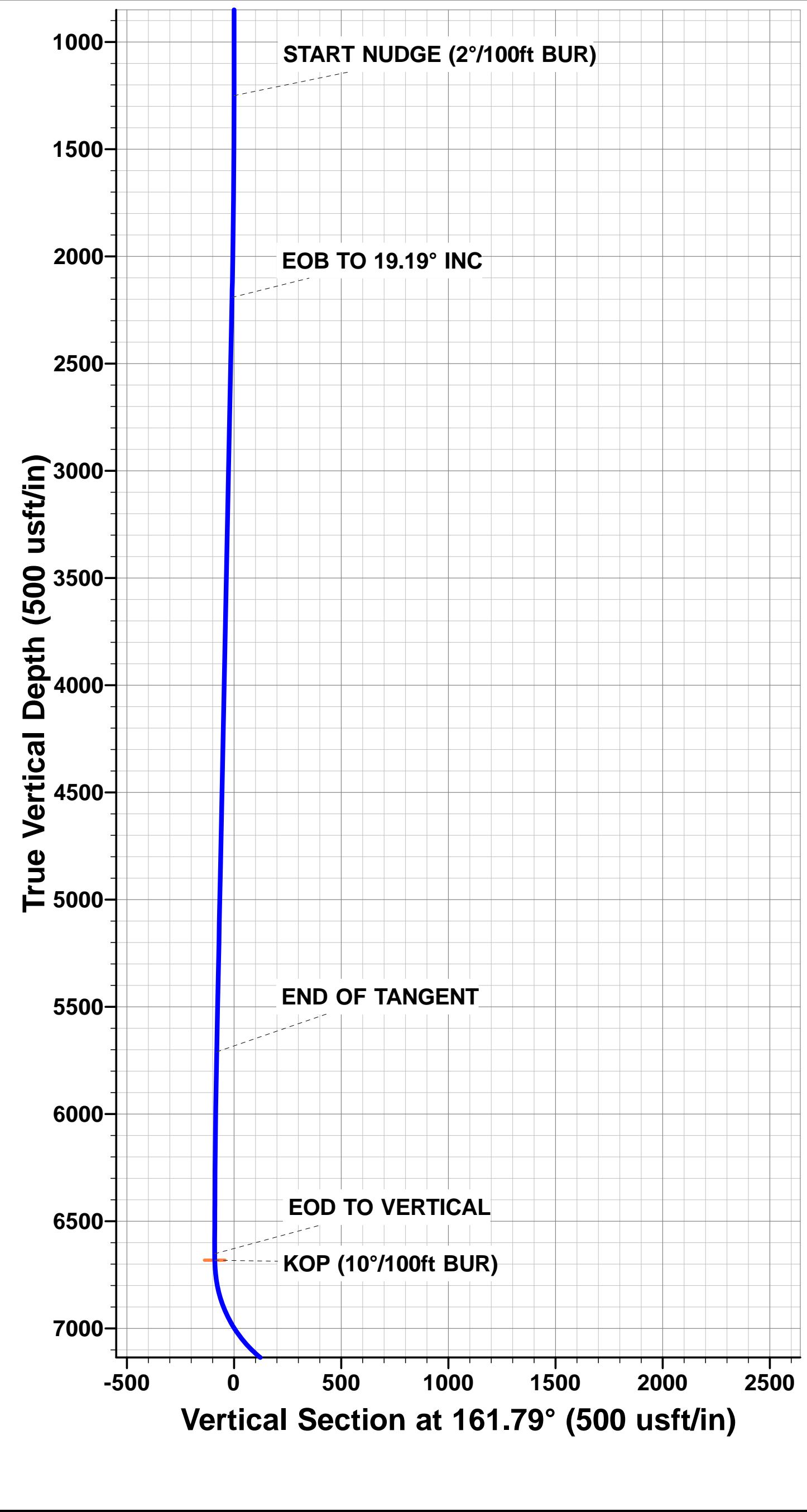


Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW SW SEC. 13 T2N R68W 6th P.M.
Well: JOHNSON TRUST 4
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Dep	Annotation	
1250.0	1250.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)	
2191.6	2209.4	19.19	68.44	58.5	148.0	-9.3	159.2	EOB TO 19.19° INC	
5710.4	5935.2	19.19	68.44	508.4	1287.0	-80.7	1383.8	END OF TANGENT	
6652.0	6894.7	0.00	0.00	566.9	1435.0	-90.0	1542.9	EOD TO VERTICAL	
6682.0	6924.7	0.00	0.00	566.9	1435.0	-90.0	1542.9	KOP (10°/100ft BUR)	
7255.0	7824.8	90.00	179.84	-6.1	1436.6	454.8	2116.0	7" ICP - JOHNSON TRUST 4	
7255.0	12222.2	90.00	179.84	-4403.5	1448.9	4635.8	6513.4	BHL - JOHNSON TRUST 4	

PROPOSED LOCAL COORDINATES:	
SHL: 2181ft FSL & 389ft FWL Sec 13	
7" ICP: 2177ft FSL & 1825ft FWL Sec 13	
BHL: 2220ft FNL & 1825ft FWL Sec 24	

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - JOHNSON TRUST 4	6682.0	566.9	1435.0	40.138972	-104.954488
7" ICP - JOHNSON TRUST 4	7255.0	-6.1	1436.6	40.137399	-104.954482
BHL - JOHNSON TRUST 4	7255.0	-4403.5	1448.9	40.125328	-104.954439



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well JOHNSON TRUST 4
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R68W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 4	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

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. 13 T2N R68W 6th P.M.		
Site Position:		Northing:	1,293,448.40 usft
From:	Lat/Long	Easting:	3,151,083.18 usft
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft
		Latitude:	40.137646
		Longitude:	-104.959619
		Grid Convergence:	0.35 °

Well	JOHNSON TRUST 4		
Well Position	+N/-S	-83.8 usft	Northing:
	+E/-W	-0.3 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	07/10/2014	8.50	66.69	52,623

Design	PROPOSAL #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	7,255.0	0.0	0.0	161.79

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,950.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,250.0	0.00	0.00	1,250.0	-3,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,209.4	19.19	68.44	2,191.6	-2,758.4	58.5	148.0	2.00	2.00	0.00	68.44	
5,935.2	19.19	68.44	5,710.4	760.4	508.4	1,287.0	0.00	0.00	0.00	0.00	
6,894.7	0.00	0.00	6,652.0	1,702.0	566.9	1,435.0	2.00	-2.00	0.00	180.00	
6,924.7	0.00	0.00	6,682.0	1,732.0	566.9	1,435.0	0.00	0.00	0.00	0.00	KOP - JOHNSON T
7,824.8	90.00	179.84	7,255.0	2,305.0	-6.1	1,436.6	10.00	10.00	19.98	179.84	7" ICP - JOHNSON
12,222.2	90.00	179.84	7,255.0	2,305.0	-4,403.5	1,448.9	0.00	0.00	0.00	-165.20	BHL - JOHNSON T

Planning Report



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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R6W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 4	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

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	4,950.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,850.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,750.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,650.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,550.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,450.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,350.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,250.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,150.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,050.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,950.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,850.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,750.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
1,250.0	0.00	0.00	1,250.0	3,700.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	1.00	68.44	1,300.0	3,650.00	0.2	0.4	0.0	2.00	2.00	0.00
1,400.0	3.00	68.44	1,399.9	3,550.07	1.4	3.7	-0.2	2.00	2.00	0.00
1,500.0	5.00	68.44	1,499.7	3,450.32	4.0	10.1	-0.6	2.00	2.00	0.00
1,600.0	7.00	68.44	1,599.1	3,350.87	7.8	19.9	-1.2	2.00	2.00	0.00
1,700.0	9.00	68.44	1,698.2	3,251.85	13.0	32.8	-2.1	2.00	2.00	0.00
1,800.0	11.00	68.44	1,796.6	3,153.37	19.3	49.0	-3.1	2.00	2.00	0.00
1,900.0	13.00	68.44	1,894.4	3,055.56	27.0	68.3	-4.3	2.00	2.00	0.00
2,000.0	15.00	68.44	1,991.5	2,958.54	35.9	90.8	-5.7	2.00	2.00	0.00
2,100.0	17.00	68.44	2,087.6	2,862.42	46.0	116.4	-7.3	2.00	2.00	0.00
2,200.0	19.00	68.44	2,182.7	2,767.32	57.3	145.2	-9.1	2.00	2.00	0.00
EOB TO 19.19° INC										
2,209.4	19.19	68.44	2,191.6	2,758.40	58.5	148.0	-9.3	2.00	2.00	0.00
2,300.0	19.19	68.44	2,277.1	2,672.87	69.4	175.7	-11.0	0.00	0.00	0.00
2,400.0	19.19	68.44	2,371.6	2,578.42	81.5	206.3	-12.9	0.00	0.00	0.00
2,500.0	19.19	68.44	2,466.0	2,483.98	93.6	236.9	-14.9	0.00	0.00	0.00
2,600.0	19.19	68.44	2,560.5	2,389.53	105.6	267.4	-16.8	0.00	0.00	0.00
2,700.0	19.19	68.44	2,654.9	2,295.09	117.7	298.0	-18.7	0.00	0.00	0.00
2,800.0	19.19	68.44	2,749.4	2,200.65	129.8	328.6	-20.6	0.00	0.00	0.00
2,900.0	19.19	68.44	2,843.8	2,106.20	141.9	359.1	-22.5	0.00	0.00	0.00
3,000.0	19.19	68.44	2,938.2	2,011.76	154.0	389.7	-24.4	0.00	0.00	0.00
3,100.0	19.19	68.44	3,032.7	1,917.31	166.0	420.3	-26.4	0.00	0.00	0.00
3,200.0	19.19	68.44	3,127.1	1,822.87	178.1	450.8	-28.3	0.00	0.00	0.00
3,300.0	19.19	68.44	3,221.6	1,728.42	190.2	481.4	-30.2	0.00	0.00	0.00
3,400.0	19.19	68.44	3,316.0	1,633.98	202.3	512.0	-32.1	0.00	0.00	0.00
3,500.0	19.19	68.44	3,410.5	1,539.54	214.3	542.5	-34.0	0.00	0.00	0.00
3,600.0	19.19	68.44	3,504.9	1,445.09	226.4	573.1	-35.9	0.00	0.00	0.00
3,700.0	19.19	68.44	3,599.4	1,350.65	238.5	603.7	-37.9	0.00	0.00	0.00
PARKMAN										
3,734.6	19.19	68.44	3,632.0	1,318.00	242.7	614.2	-38.5	0.00	0.00	0.00
3,800.0	19.19	68.44	3,693.8	1,256.20	250.6	634.3	-39.8	0.00	0.00	0.00
3,900.0	19.19	68.44	3,788.2	1,161.76	262.6	664.8	-41.7	0.00	0.00	0.00
4,000.0	19.19	68.44	3,882.7	1,067.32	274.7	695.4	-43.6	0.00	0.00	0.00
4,100.0	19.19	68.44	3,977.1	972.87	286.8	726.0	-45.5	0.00	0.00	0.00
4,200.0	19.19	68.44	4,071.6	878.43	298.9	756.5	-47.5	0.00	0.00	0.00
4,300.0	19.19	68.44	4,166.0	783.98	310.9	787.1	-49.4	0.00	0.00	0.00
4,400.0	19.19	68.44	4,260.5	689.54	323.0	817.7	-51.3	0.00	0.00	0.00
4,500.0	19.19	68.44	4,354.9	595.09	335.1	848.2	-53.2	0.00	0.00	0.00
4,600.0	19.19	68.44	4,449.3	500.65	347.2	878.8	-55.1	0.00	0.00	0.00

Planning Report



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Well:	JOHNSON TRUST 4	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

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)
SUSSEX										
4,600.7	19.19	68.44	4,450.0	500.00	347.3	879.0	-55.1	0.00	0.00	0.00
4,700.0	19.19	68.44	4,543.8	406.21	359.2	909.4	-57.0	0.00	0.00	0.00
4,800.0	19.19	68.44	4,638.2	311.76	371.3	939.9	-59.0	0.00	0.00	0.00
4,900.0	19.19	68.44	4,732.7	217.32	383.4	970.5	-60.9	0.00	0.00	0.00
5,000.0	19.19	68.44	4,827.1	122.87	395.5	1,001.1	-62.8	0.00	0.00	0.00
SHANNON										
5,087.7	19.19	68.44	4,910.0	40.00	406.1	1,027.9	-64.5	0.00	0.00	0.00
5,100.0	19.19	68.44	4,921.6	28.43	407.6	1,031.6	-64.7	0.00	0.00	0.00
5,200.0	19.19	68.44	5,016.0	-66.01	419.6	1,062.2	-66.6	0.00	0.00	0.00
5,300.0	19.19	68.44	5,110.5	-160.46	431.7	1,092.8	-68.5	0.00	0.00	0.00
5,400.0	19.19	68.44	5,204.9	-254.90	443.8	1,123.4	-70.5	0.00	0.00	0.00
5,500.0	19.19	68.44	5,299.3	-349.35	455.9	1,153.9	-72.4	0.00	0.00	0.00
5,600.0	19.19	68.44	5,393.8	-443.79	467.9	1,184.5	-74.3	0.00	0.00	0.00
5,700.0	19.19	68.44	5,488.2	-538.24	480.0	1,215.1	-76.2	0.00	0.00	0.00
5,800.0	19.19	68.44	5,582.7	-632.68	492.1	1,245.6	-78.1	0.00	0.00	0.00
5,900.0	19.19	68.44	5,677.1	-727.12	504.2	1,276.2	-80.0	0.00	0.00	0.00
END OF TANGENT										
5,935.2	19.19	68.44	5,710.4	-760.40	508.4	1,287.0	-80.7	0.00	0.00	0.00
6,000.0	17.89	68.44	5,771.8	-821.80	516.0	1,306.1	-81.9	2.00	-2.00	0.00
6,100.0	15.89	68.44	5,867.5	-917.48	526.7	1,333.1	-83.6	2.00	-2.00	0.00
6,200.0	13.89	68.44	5,964.1	-1,014.12	536.1	1,357.1	-85.1	2.00	-2.00	0.00
6,300.0	11.89	68.44	6,061.6	-1,111.59	544.3	1,377.8	-86.4	2.00	-2.00	0.00
6,400.0	9.89	68.44	6,159.8	-1,209.79	551.2	1,395.4	-87.5	2.00	-2.00	0.00
6,500.0	7.89	68.44	6,258.6	-1,308.58	556.9	1,409.8	-88.4	2.00	-2.00	0.00
6,600.0	5.89	68.44	6,357.9	-1,407.85	561.3	1,420.9	-89.1	2.00	-2.00	0.00
6,700.0	3.89	68.44	6,457.5	-1,507.48	564.5	1,428.9	-89.6	2.00	-2.00	0.00
6,800.0	1.89	68.44	6,557.3	-1,607.35	566.3	1,433.5	-89.9	2.00	-2.00	0.00
EOD TO VERTICAL										
6,894.7	0.00	0.00	6,652.0	-1,702.00	566.9	1,435.0	-90.0	2.00	-2.00	0.00
6,900.0	0.00	0.00	6,657.3	-1,707.33	566.9	1,435.0	-90.0	0.00	0.00	0.00
KOP (10°/100ft BUR)										
6,924.7	0.00	0.00	6,682.0	-1,732.00	566.9	1,435.0	-90.0	0.00	0.00	0.00
7,000.0	7.53	179.84	6,757.1	-1,807.11	562.0	1,435.0	-85.3	10.00	10.00	0.00
7,100.0	17.53	179.84	6,854.6	-1,904.61	540.3	1,435.1	-64.7	10.00	10.00	0.00
7,200.0	27.53	179.84	6,946.9	-1,996.86	502.0	1,435.2	-28.3	10.00	10.00	0.00
7,300.0	37.53	179.84	7,031.1	-2,081.06	448.3	1,435.3	22.7	10.00	10.00	0.00
SHARON SPRINGS										
7,399.0	47.43	179.84	7,104.0	-2,154.00	381.5	1,435.5	86.3	10.00	10.00	0.00
7,400.0	47.53	179.84	7,104.7	-2,154.66	380.8	1,435.5	86.9	10.00	10.00	0.00
NIOBRARA										
7,445.5	52.08	179.84	7,134.0	-2,184.00	346.1	1,435.6	120.0	10.00	10.00	0.00
7,500.0	57.53	179.84	7,165.4	-2,215.42	301.5	1,435.7	162.3	10.00	10.00	0.00
7,600.0	67.53	179.84	7,211.5	-2,261.49	212.9	1,436.0	246.5	10.00	10.00	0.00
7,700.0	77.53	179.84	7,241.5	-2,291.48	117.7	1,436.2	337.1	10.00	10.00	0.00
7,800.0	87.53	179.84	7,254.5	-2,304.47	18.6	1,436.5	431.3	10.00	10.00	0.00
7" ICP - JOHNSON TRUST 4 - NIO B TARGET										
7,824.8	90.00	179.84	7,255.0	-2,305.00	-6.1	1,436.6	454.8	10.00	10.00	0.00
7,900.0	90.00	179.84	7,255.0	-2,304.99	-81.4	1,436.8	526.3	0.00	0.00	0.00
8,000.0	90.00	179.84	7,255.0	-2,304.99	-181.4	1,437.1	621.4	0.00	0.00	0.00
8,100.0	90.00	179.84	7,255.0	-2,304.98	-281.4	1,437.4	716.5	0.00	0.00	0.00
8,200.0	90.00	179.84	7,255.0	-2,304.97	-381.4	1,437.6	811.6	0.00	0.00	0.00
8,300.0	90.00	179.84	7,255.0	-2,304.97	-481.4	1,437.9	906.7	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well JOHNSON TRUST 4
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R68W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 4	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

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	179.84	7,255.0	-2,304.96	-581.4	1,438.2	1,001.7	0.00	0.00	0.00
8,500.0	90.00	179.84	7,255.0	-2,304.95	-681.4	1,438.5	1,096.8	0.00	0.00	0.00
8,600.0	90.00	179.84	7,254.9	-2,304.95	-781.4	1,438.7	1,191.9	0.00	0.00	0.00
8,700.0	90.00	179.84	7,254.9	-2,304.94	-881.4	1,439.0	1,287.0	0.00	0.00	0.00
8,800.0	90.00	179.84	7,254.9	-2,304.94	-981.4	1,439.3	1,382.0	0.00	0.00	0.00
8,900.0	90.00	179.84	7,254.9	-2,304.94	-1,081.4	1,439.6	1,477.1	0.00	0.00	0.00
9,000.0	90.00	179.84	7,254.9	-2,304.93	-1,181.4	1,439.9	1,572.2	0.00	0.00	0.00
9,100.0	90.00	179.84	7,254.9	-2,304.93	-1,281.4	1,440.1	1,667.3	0.00	0.00	0.00
9,200.0	90.00	179.84	7,254.9	-2,304.93	-1,381.4	1,440.4	1,762.3	0.00	0.00	0.00
9,300.0	90.00	179.84	7,254.9	-2,304.92	-1,481.4	1,440.7	1,857.4	0.00	0.00	0.00
9,400.0	90.00	179.84	7,254.9	-2,304.92	-1,581.4	1,441.0	1,952.5	0.00	0.00	0.00
9,500.0	90.00	179.84	7,254.9	-2,304.92	-1,681.4	1,441.2	2,047.6	0.00	0.00	0.00
9,600.0	90.00	179.84	7,254.9	-2,304.92	-1,781.4	1,441.5	2,142.7	0.00	0.00	0.00
9,700.0	90.00	179.84	7,254.9	-2,304.92	-1,881.4	1,441.8	2,237.7	0.00	0.00	0.00
9,800.0	90.00	179.84	7,254.9	-2,304.91	-1,981.4	1,442.1	2,332.8	0.00	0.00	0.00
9,900.0	90.00	179.84	7,254.9	-2,304.91	-2,081.4	1,442.4	2,427.9	0.00	0.00	0.00
10,000.0	90.00	179.84	7,254.9	-2,304.91	-2,181.4	1,442.6	2,523.0	0.00	0.00	0.00
10,100.0	90.00	179.84	7,254.9	-2,304.91	-2,281.4	1,442.9	2,618.0	0.00	0.00	0.00
10,200.0	90.00	179.84	7,254.9	-2,304.91	-2,381.4	1,443.2	2,713.1	0.00	0.00	0.00
10,300.0	90.00	179.84	7,254.9	-2,304.91	-2,481.4	1,443.5	2,808.2	0.00	0.00	0.00
10,400.0	90.00	179.84	7,254.9	-2,304.92	-2,581.4	1,443.8	2,903.3	0.00	0.00	0.00
10,500.0	90.00	179.84	7,254.9	-2,304.92	-2,681.4	1,444.0	2,998.3	0.00	0.00	0.00
10,600.0	90.00	179.84	7,254.9	-2,304.92	-2,781.4	1,444.3	3,093.4	0.00	0.00	0.00
10,700.0	90.00	179.84	7,254.9	-2,304.92	-2,881.4	1,444.6	3,188.5	0.00	0.00	0.00
10,800.0	90.00	179.84	7,254.9	-2,304.92	-2,981.4	1,444.9	3,283.6	0.00	0.00	0.00
10,900.0	90.00	179.84	7,254.9	-2,304.93	-3,081.4	1,445.2	3,378.7	0.00	0.00	0.00
11,000.0	90.00	179.84	7,254.9	-2,304.93	-3,181.4	1,445.4	3,473.7	0.00	0.00	0.00
11,100.0	90.00	179.84	7,254.9	-2,304.93	-3,281.3	1,445.7	3,568.8	0.00	0.00	0.00
11,200.0	90.00	179.84	7,254.9	-2,304.94	-3,381.3	1,446.0	3,663.9	0.00	0.00	0.00
11,300.0	90.00	179.84	7,254.9	-2,304.94	-3,481.3	1,446.3	3,759.0	0.00	0.00	0.00
11,400.0	90.00	179.84	7,254.9	-2,304.95	-3,581.3	1,446.6	3,854.0	0.00	0.00	0.00
11,500.0	90.00	179.84	7,255.0	-2,304.95	-3,681.3	1,446.8	3,949.1	0.00	0.00	0.00
11,600.0	90.00	179.84	7,255.0	-2,304.96	-3,781.3	1,447.1	4,044.2	0.00	0.00	0.00
11,700.0	90.00	179.84	7,255.0	-2,304.96	-3,881.3	1,447.4	4,139.3	0.00	0.00	0.00
11,800.0	90.00	179.84	7,255.0	-2,304.97	-3,981.3	1,447.7	4,234.4	0.00	0.00	0.00
11,900.0	90.00	179.84	7,255.0	-2,304.98	-4,081.3	1,448.0	4,329.4	0.00	0.00	0.00
12,000.0	90.00	179.84	7,255.0	-2,304.98	-4,181.3	1,448.2	4,424.5	0.00	0.00	0.00
12,100.0	90.00	179.84	7,255.0	-2,304.99	-4,281.3	1,448.5	4,519.6	0.00	0.00	0.00
12,200.0	90.00	179.84	7,255.0	-2,305.00	-4,381.3	1,448.8	4,614.7	0.00	0.00	0.00
BHL - JOHNSON TRUST 4										
12,222.2	90.00	179.84	7,255.0	-2,305.00	-4,403.5	1,448.9	4,635.8	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well JOHNSON TRUST 4
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4950.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R68W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 4	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations					
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,734.6	3,632.0	PARKMAN			
4,600.7	4,450.0	SUSSEX			
5,087.7	4,910.0	SHANNON			
7,399.0	7,104.0	SHARON SPRINGS			
7,445.5	7,134.0	NIOBRARA			
7,824.8	7,255.0	NIO B TARGET			

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,250.0	1,250.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2,209.4	2,191.6	58.5	148.0	EOB TO 19.19° INC
5,935.2	5,710.4	508.4	1,287.0	END OF TANGENT
6,894.7	6,652.0	566.9	1,435.0	EOD TO VERTICAL
6,924.7	6,682.0	566.9	1,435.0	KOP (10°/100ft BUR)
7,824.8	7,255.0	-6.1	1,436.6	7" ICP - JOHNSON TRUST 4
12,222.2	7,255.0	-4,403.5	1,448.9	BHL - JOHNSON TRUST 4