

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

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

JOHNSON TRUST 7

ORIGINAL WELLBORE

08 October, 2014

Plan: PROPOSAL #1





Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW SW SEC. 13 T2N R68W 6th P.M.
Well: JOHNSON TRUST 7
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS								
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Dep	Annotation
1550.0	1550.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2046.5	2049.0	9.98	38.30	34.0	26.9	-30.5	43.4	EOB TO 9.98° INC
6320.5	6388.7	9.98	38.30	624.3	493.0	-559.1	795.5	END OF TANGENT
6817.0	6887.7	0.00	0.00	658.3	519.9	-589.5	838.8	EOD TO VERTICAL
6847.0	6917.7	0.00	0.00	658.3	519.9	-589.5	838.8	KOP (10°/100ft BUR)
7420.0	7817.8	90.00	179.84	85.3	521.5	-20.6	1411.9	7" ICP - JOHNSON TRUST 7
7420.0	12220.7	90.00	179.83	-4317.6	533.9	4350.5	5814.8	BHL - JOHNSON TRUST 7

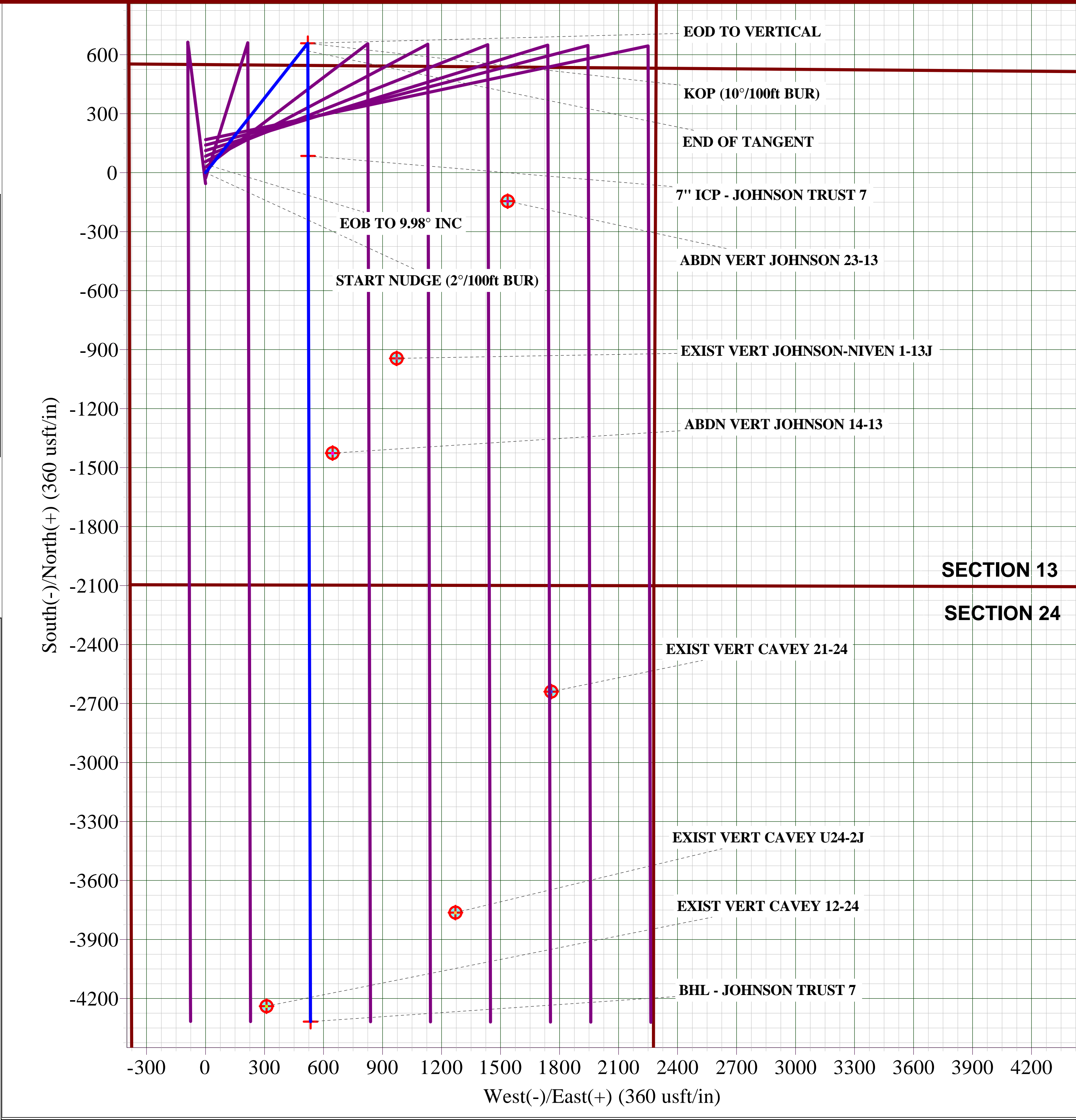
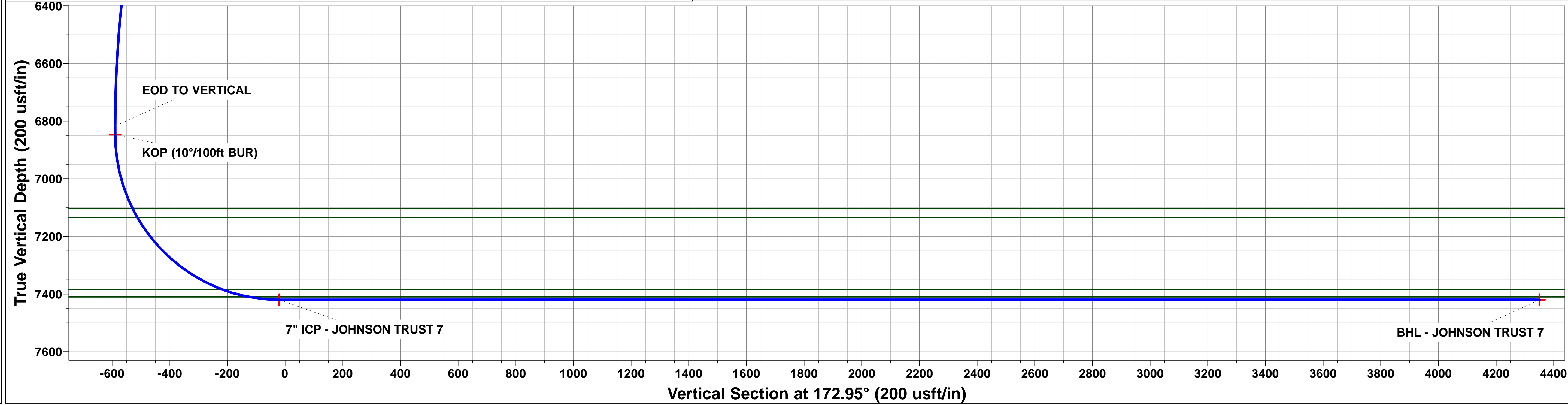
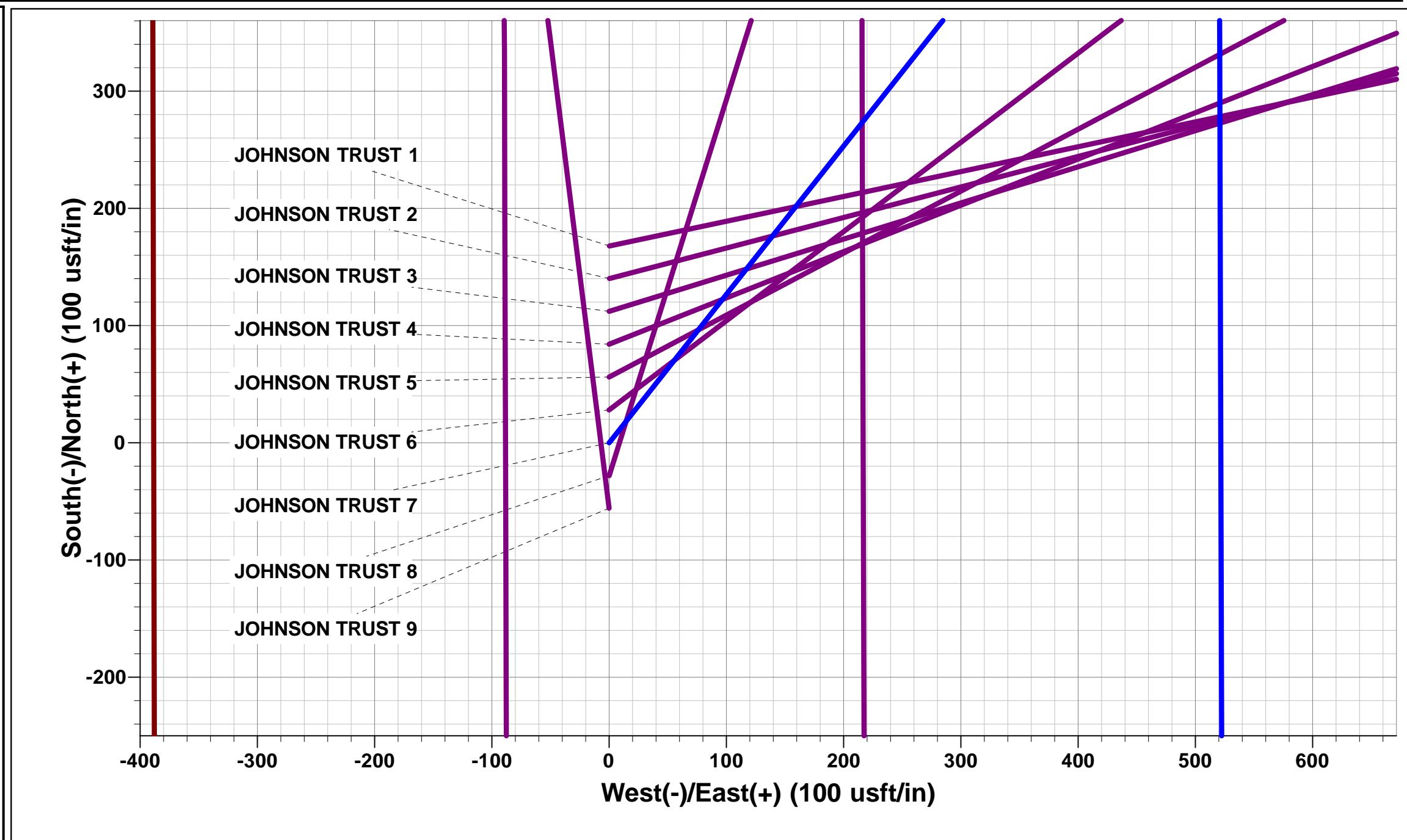
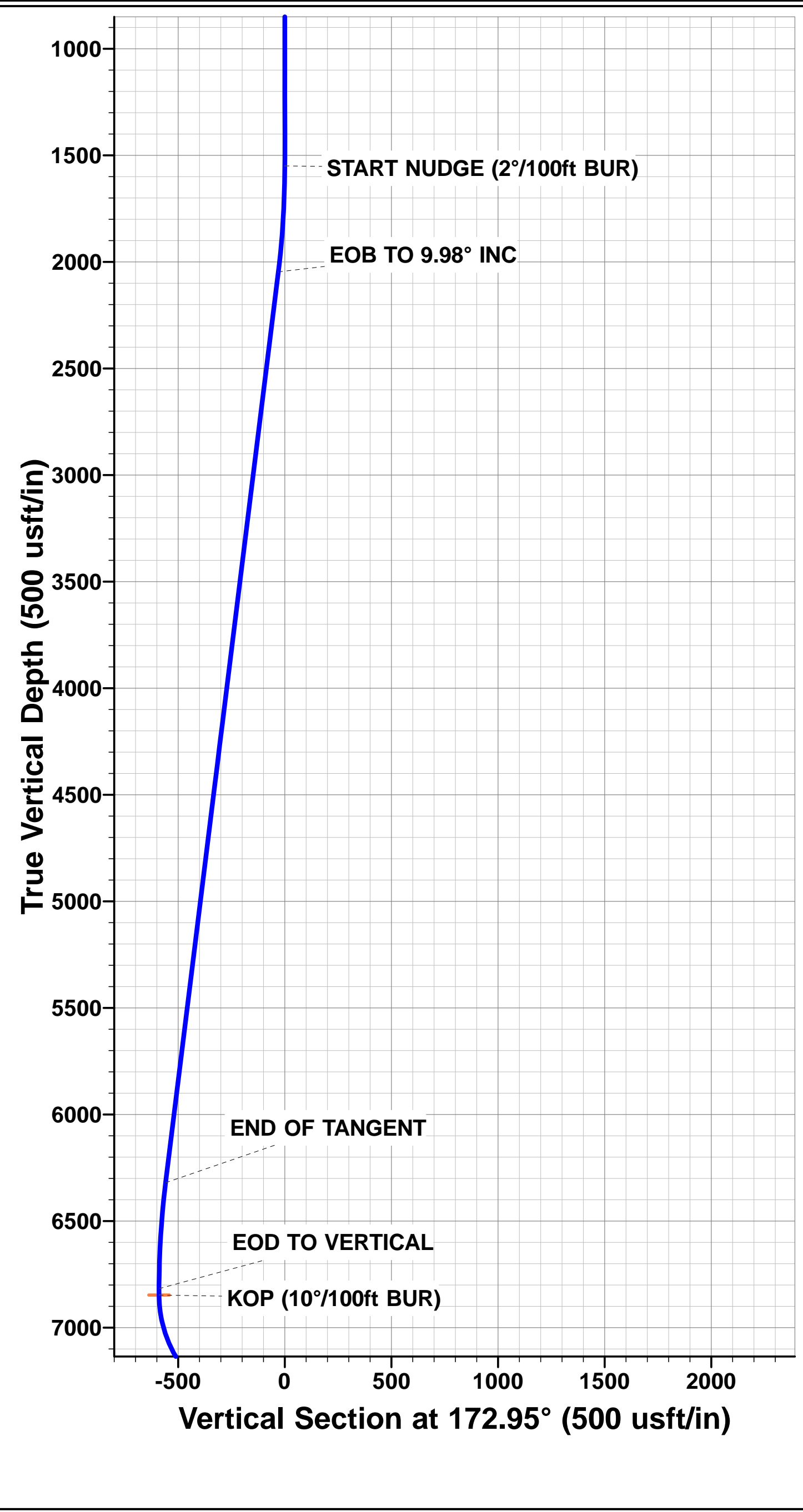
PROPOSED LOCAL COORDINATES:

SHL: 2097ft FSL & 388ft FWL Sec 13

7" ICP: 2183ft FSL & 910ft FWL Sec 13

BHL: 2220ft FNL & 910ft FWL Sec 24

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - JOHNSON TRUST 7	6847.0	658.3	519.9	40.138992	-104.957761
7" ICP - JOHNSON TRUST 7	7420.0	85.3	521.5	40.137419	-104.957755
BHL - JOHNSON TRUST 7	7420.0	-4317.6	533.9	40.125333	-104.957711



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well JOHNSON TRUST 7
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R68W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 7	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 7		
Well Position	+N/-S	-167.9 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	08/10/2014	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 (°)
	7,420.0	0.0	0.0	172.95

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	-4,947.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,550.0	0.00	0.00	1,550.0	-3,397.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,049.0	9.98	38.30	2,046.5	-2,900.5	34.0	26.9	2.00	2.00	0.00	38.30	
6,388.7	9.98	38.30	6,320.5	1,373.5	624.3	493.0	0.00	0.00	0.00	0.00	
6,887.7	0.00	0.00	6,817.0	1,870.0	658.3	519.9	2.00	-2.00	0.00	180.00	
6,917.7	0.00	0.00	6,847.0	1,900.0	658.3	519.9	0.00	0.00	0.00	0.00	KOP - JOHNSON T
7,817.8	90.00	179.84	7,420.0	2,473.0	85.3	521.5	10.00	10.00	19.98	179.84	7" ICP - JOHNSON
12,220.7	90.00	179.83	7,420.0	2,473.0	-4,317.6	533.9	0.00	0.00	0.00	-126.55	BHL - JOHNSON T

Planning Report



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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R6W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 7	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	4,947.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,847.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,747.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,647.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,547.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,447.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,347.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,247.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,147.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,047.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,947.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,847.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,747.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,647.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,547.00	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,447.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
1,550.0	0.00	0.00	1,550.0	3,397.00	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	1.00	38.30	1,600.0	3,347.00	0.3	0.3	-0.3	2.00	2.00	0.00
1,700.0	3.00	38.30	1,699.9	3,247.07	3.1	2.4	-2.8	2.00	2.00	0.00
1,800.0	5.00	38.30	1,799.7	3,147.32	8.6	6.8	-7.7	2.00	2.00	0.00
1,900.0	7.00	38.30	1,899.1	3,047.87	16.8	13.2	-15.0	2.00	2.00	0.00
2,000.0	9.00	38.30	1,998.2	2,948.85	27.7	21.9	-24.8	2.00	2.00	0.00
EOB TO 9.98° INC										
2,049.0	9.98	38.30	2,046.5	2,900.49	34.0	26.9	-30.5	2.00	2.00	0.00
2,100.0	9.98	38.30	2,096.7	2,850.29	41.0	32.3	-36.7	0.00	0.00	0.00
2,200.0	9.98	38.30	2,195.2	2,751.80	54.6	43.1	-48.9	0.00	0.00	0.00
2,300.0	9.98	38.30	2,293.7	2,653.32	68.2	53.8	-61.0	0.00	0.00	0.00
2,400.0	9.98	38.30	2,392.2	2,554.83	81.8	64.6	-73.2	0.00	0.00	0.00
2,500.0	9.98	38.30	2,490.7	2,456.34	95.4	75.3	-85.4	0.00	0.00	0.00
2,600.0	9.98	38.30	2,589.1	2,357.86	109.0	86.1	-97.6	0.00	0.00	0.00
2,700.0	9.98	38.30	2,687.6	2,259.37	122.6	96.8	-109.8	0.00	0.00	0.00
2,800.0	9.98	38.30	2,786.1	2,160.88	136.2	107.5	-121.9	0.00	0.00	0.00
2,900.0	9.98	38.30	2,884.6	2,062.40	149.8	118.3	-134.1	0.00	0.00	0.00
3,000.0	9.98	38.30	2,983.1	1,963.91	163.4	129.0	-146.3	0.00	0.00	0.00
3,100.0	9.98	38.30	3,081.6	1,865.43	177.0	139.8	-158.5	0.00	0.00	0.00
3,200.0	9.98	38.30	3,180.1	1,766.94	190.6	150.5	-170.7	0.00	0.00	0.00
3,300.0	9.98	38.30	3,278.5	1,668.45	204.2	161.2	-182.8	0.00	0.00	0.00
3,400.0	9.98	38.30	3,377.0	1,569.97	217.8	172.0	-195.0	0.00	0.00	0.00
3,500.0	9.98	38.30	3,475.5	1,471.48	231.4	182.7	-207.2	0.00	0.00	0.00
3,600.0	9.98	38.30	3,574.0	1,372.99	245.0	193.5	-219.4	0.00	0.00	0.00
PARKMAN										
3,658.9	9.98	38.30	3,632.0	1,315.00	253.0	199.8	-226.6	0.00	0.00	0.00
3,700.0	9.98	38.30	3,672.5	1,274.51	258.6	204.2	-231.6	0.00	0.00	0.00
3,800.0	9.98	38.30	3,771.0	1,176.02	272.2	215.0	-243.7	0.00	0.00	0.00
3,900.0	9.98	38.30	3,869.5	1,077.53	285.8	225.7	-255.9	0.00	0.00	0.00
4,000.0	9.98	38.30	3,968.0	979.05	299.4	236.4	-268.1	0.00	0.00	0.00
4,100.0	9.98	38.30	4,066.4	880.56	313.0	247.2	-280.3	0.00	0.00	0.00
4,200.0	9.98	38.30	4,164.9	782.07	326.6	257.9	-292.5	0.00	0.00	0.00
4,300.0	9.98	38.30	4,263.4	683.59	340.2	268.7	-304.6	0.00	0.00	0.00
4,400.0	9.98	38.30	4,361.9	585.10	353.8	279.4	-316.8	0.00	0.00	0.00
SUSSEX										
4,489.5	9.98	38.30	4,450.0	497.00	366.0	289.0	-327.7	0.00	0.00	0.00
4,500.0	9.98	38.30	4,460.4	486.61	367.4	290.1	-329.0	0.00	0.00	0.00

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Well:	JOHNSON TRUST 7	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)
4,600.0	9.98	38.30	4,558.9	388.13	381.0	300.9	-341.2	0.00	0.00	0.00
4,700.0	9.98	38.30	4,657.4	289.64	394.6	311.6	-353.4	0.00	0.00	0.00
4,800.0	9.98	38.30	4,755.8	191.15	408.2	322.4	-365.5	0.00	0.00	0.00
4,900.0	9.98	38.30	4,854.3	92.67	421.8	333.1	-377.7	0.00	0.00	0.00
SHANNON										
4,956.5	9.98	38.30	4,910.0	37.00	429.5	339.2	-384.6	0.00	0.00	0.00
5,000.0	9.98	38.30	4,952.8	-5.82	435.4	343.9	-389.9	0.00	0.00	0.00
5,100.0	9.98	38.30	5,051.3	-104.31	449.0	354.6	-402.1	0.00	0.00	0.00
5,200.0	9.98	38.30	5,149.8	-202.79	462.6	365.3	-414.3	0.00	0.00	0.00
5,300.0	9.98	38.30	5,248.3	-301.28	476.2	376.1	-426.5	0.00	0.00	0.00
5,400.0	9.98	38.30	5,346.8	-399.77	489.8	386.8	-438.6	0.00	0.00	0.00
5,500.0	9.98	38.30	5,445.3	-498.25	503.4	397.6	-450.8	0.00	0.00	0.00
5,600.0	9.98	38.30	5,543.7	-596.74	517.0	408.3	-463.0	0.00	0.00	0.00
5,700.0	9.98	38.30	5,642.2	-695.23	530.6	419.1	-475.2	0.00	0.00	0.00
5,800.0	9.98	38.30	5,740.7	-793.71	544.2	429.8	-487.4	0.00	0.00	0.00
5,900.0	9.98	38.30	5,839.2	-892.20	557.8	440.5	-499.5	0.00	0.00	0.00
6,000.0	9.98	38.30	5,937.7	-990.69	571.4	451.3	-511.7	0.00	0.00	0.00
6,100.0	9.98	38.30	6,036.2	-1,089.17	585.0	462.0	-523.9	0.00	0.00	0.00
6,200.0	9.98	38.30	6,134.7	-1,187.66	598.6	472.8	-536.1	0.00	0.00	0.00
6,300.0	9.98	38.30	6,233.1	-1,286.15	612.2	483.5	-548.3	0.00	0.00	0.00
END OF TANGENT										
6,388.7	9.98	38.30	6,320.5	-1,373.49	624.3	493.0	-559.1	0.00	0.00	0.00
6,400.0	9.75	38.30	6,331.6	-1,384.64	625.8	494.2	-560.4	2.00	-2.00	0.00
6,500.0	7.75	38.30	6,430.5	-1,483.47	637.7	503.7	-571.1	2.00	-2.00	0.00
6,600.0	5.75	38.30	6,529.8	-1,582.77	647.0	511.0	-579.4	2.00	-2.00	0.00
6,700.0	3.75	38.30	6,629.4	-1,682.42	653.5	516.1	-585.2	2.00	-2.00	0.00
6,800.0	1.75	38.30	6,729.3	-1,782.30	657.2	519.1	-588.6	2.00	-2.00	0.00
EOD TO VERTICAL										
6,887.7	0.00	0.00	6,817.0	-1,870.00	658.3	519.9	-589.5	2.00	-2.00	0.00
6,900.0	0.00	0.00	6,829.3	-1,882.28	658.3	519.9	-589.5	0.00	0.00	0.00
KOP (10°/100ft BUR)										
6,917.7	0.00	0.00	6,847.0	-1,900.00	658.3	519.9	-589.5	0.00	0.00	0.00
7,000.0	8.23	179.84	6,929.0	-1,982.00	652.4	519.9	-583.7	10.00	10.00	0.00
7,100.0	18.23	179.84	7,026.2	-2,079.23	629.5	520.0	-561.0	10.00	10.00	0.00
SHARON SPRINGS										
7,184.2	26.65	179.84	7,104.0	-2,157.00	597.4	520.1	-529.1	10.00	10.00	0.00
7,200.0	28.23	179.84	7,118.0	-2,171.00	590.2	520.1	-521.9	10.00	10.00	0.00
NIOBRARA										
7,218.3	30.06	179.84	7,134.0	-2,187.00	581.2	520.1	-513.0	10.00	10.00	0.00
7,300.0	38.23	179.84	7,201.5	-2,254.55	535.4	520.2	-467.6	10.00	10.00	0.00
7,400.0	48.22	179.84	7,274.3	-2,327.32	467.0	520.4	-399.6	10.00	10.00	0.00
7,500.0	58.22	179.84	7,334.1	-2,387.12	387.0	520.6	-320.2	10.00	10.00	0.00
7,600.0	68.22	179.84	7,379.1	-2,432.11	297.9	520.9	-231.7	10.00	10.00	0.00
FT HAYS										
7,616.5	69.87	179.84	7,385.0	-2,438.00	282.5	520.9	-216.4	10.00	10.00	0.00
7,700.0	78.22	179.84	7,407.9	-2,460.94	202.3	521.1	-136.8	10.00	10.00	0.00
CODELL										
7,710.6	79.28	179.84	7,410.0	-2,463.00	191.9	521.2	-126.5	10.00	10.00	0.00
7,800.0	88.22	179.84	7,419.7	-2,472.72	103.1	521.4	-38.3	10.00	10.00	0.00
7" ICP - JOHNSON TRUST 7										
7,817.8	90.00	179.84	7,420.0	-2,473.00	85.3	521.5	-20.6	10.00	10.00	0.00
7,900.0	90.00	179.84	7,420.0	-2,472.99	3.1	521.7	61.0	0.00	0.00	0.00
8,000.0	90.00	179.84	7,420.0	-2,472.99	-96.9	522.0	160.2	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well JOHNSON TRUST 7
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R68W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 7	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)
8,100.0	90.00	179.84	7,420.0	-2,472.98	-196.9	522.2	259.5	0.00	0.00	0.00
8,200.0	90.00	179.84	7,420.0	-2,472.97	-296.9	522.5	358.8	0.00	0.00	0.00
8,300.0	90.00	179.84	7,420.0	-2,472.97	-396.9	522.8	458.1	0.00	0.00	0.00
8,400.0	90.00	179.84	7,420.0	-2,472.96	-496.9	523.0	557.3	0.00	0.00	0.00
8,500.0	90.00	179.84	7,420.0	-2,472.96	-596.9	523.3	656.6	0.00	0.00	0.00
8,600.0	90.00	179.84	7,420.0	-2,472.95	-696.9	523.6	755.9	0.00	0.00	0.00
8,700.0	90.00	179.84	7,419.9	-2,472.95	-796.9	523.9	855.2	0.00	0.00	0.00
8,800.0	90.00	179.84	7,419.9	-2,472.94	-896.9	524.1	954.5	0.00	0.00	0.00
8,900.0	90.00	179.84	7,419.9	-2,472.94	-996.9	524.4	1,053.7	0.00	0.00	0.00
9,000.0	90.00	179.84	7,419.9	-2,472.93	-1,096.9	524.7	1,153.0	0.00	0.00	0.00
9,100.0	90.00	179.84	7,419.9	-2,472.93	-1,196.9	525.0	1,252.3	0.00	0.00	0.00
9,200.0	90.00	179.84	7,419.9	-2,472.93	-1,296.9	525.3	1,351.6	0.00	0.00	0.00
9,300.0	90.00	179.84	7,419.9	-2,472.93	-1,396.9	525.5	1,450.8	0.00	0.00	0.00
9,400.0	90.00	179.84	7,419.9	-2,472.92	-1,496.9	525.8	1,550.1	0.00	0.00	0.00
9,500.0	90.00	179.84	7,419.9	-2,472.92	-1,596.9	526.1	1,649.4	0.00	0.00	0.00
9,600.0	90.00	179.84	7,419.9	-2,472.92	-1,696.9	526.4	1,748.7	0.00	0.00	0.00
9,700.0	90.00	179.84	7,419.9	-2,472.92	-1,796.9	526.6	1,848.0	0.00	0.00	0.00
9,800.0	90.00	179.84	7,419.9	-2,472.92	-1,896.9	526.9	1,947.2	0.00	0.00	0.00
9,900.0	90.00	179.84	7,419.9	-2,472.92	-1,996.9	527.2	2,046.5	0.00	0.00	0.00
10,000.0	90.00	179.84	7,419.9	-2,472.92	-2,096.9	527.5	2,145.8	0.00	0.00	0.00
10,100.0	90.00	179.84	7,419.9	-2,472.92	-2,196.9	527.8	2,245.1	0.00	0.00	0.00
10,200.0	90.00	179.84	7,419.9	-2,472.92	-2,296.9	528.1	2,344.3	0.00	0.00	0.00
10,300.0	90.00	179.84	7,419.9	-2,472.92	-2,396.9	528.3	2,443.6	0.00	0.00	0.00
10,400.0	90.00	179.84	7,419.9	-2,472.92	-2,496.9	528.6	2,542.9	0.00	0.00	0.00
10,500.0	90.00	179.84	7,419.9	-2,472.92	-2,596.9	528.9	2,642.2	0.00	0.00	0.00
10,600.0	90.00	179.84	7,419.9	-2,472.92	-2,696.9	529.2	2,741.5	0.00	0.00	0.00
10,700.0	90.00	179.84	7,419.9	-2,472.92	-2,796.9	529.5	2,840.7	0.00	0.00	0.00
10,800.0	90.00	179.84	7,419.9	-2,472.93	-2,896.9	529.8	2,940.0	0.00	0.00	0.00
10,900.0	90.00	179.84	7,419.9	-2,472.93	-2,996.9	530.0	3,039.3	0.00	0.00	0.00
11,000.0	90.00	179.84	7,419.9	-2,472.93	-3,096.9	530.3	3,138.6	0.00	0.00	0.00
11,100.0	90.00	179.84	7,419.9	-2,472.94	-3,196.9	530.6	3,237.9	0.00	0.00	0.00
11,200.0	90.00	179.84	7,419.9	-2,472.94	-3,296.9	530.9	3,337.1	0.00	0.00	0.00
11,300.0	90.00	179.84	7,419.9	-2,472.94	-3,396.9	531.2	3,436.4	0.00	0.00	0.00
11,400.0	90.00	179.84	7,419.9	-2,472.95	-3,496.9	531.5	3,535.7	0.00	0.00	0.00
11,500.0	90.00	179.83	7,420.0	-2,472.95	-3,596.9	531.8	3,635.0	0.00	0.00	0.00
11,600.0	90.00	179.83	7,420.0	-2,472.96	-3,696.9	532.1	3,734.3	0.00	0.00	0.00
11,700.0	90.00	179.83	7,420.0	-2,472.97	-3,796.9	532.3	3,833.5	0.00	0.00	0.00
11,800.0	90.00	179.83	7,420.0	-2,472.97	-3,896.9	532.6	3,932.8	0.00	0.00	0.00
11,900.0	90.00	179.83	7,420.0	-2,472.98	-3,996.9	532.9	4,032.1	0.00	0.00	0.00
12,000.0	90.00	179.83	7,420.0	-2,472.98	-4,096.9	533.2	4,131.4	0.00	0.00	0.00
12,100.0	90.00	179.83	7,420.0	-2,472.99	-4,196.9	533.5	4,230.6	0.00	0.00	0.00
12,200.0	90.00	179.83	7,420.0	-2,473.00	-4,296.9	533.8	4,329.9	0.00	0.00	0.00
BHL - JOHNSON TRUST 7										
12,220.7	90.00	179.83	7,420.0	-2,473.00	-4,317.6	533.9	4,350.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well JOHNSON TRUST 7
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4947.0usft (Original Well Elev)
Site:	NW SW SEC. 13 T2N R68W 6th P.M.	North Reference:	True
Well:	JOHNSON TRUST 7	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations					
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,658.9	3,632.0	PARKMAN			
4,489.5	4,450.0	SUSSEX			
4,956.5	4,910.0	SHANNON			
7,184.2	7,104.0	SHARON SPRINGS			
7,218.3	7,134.0	NIOBRARA			
7,616.5	7,385.0	FT HAYS			
7,710.6	7,410.0	CODELL			

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 (2°/100ft BUR)
2,049.0	2,046.5	34.0	26.9	EOB TO 9.98° INC
6,388.7	6,320.5	624.3	493.0	END OF TANGENT
6,887.7	6,817.0	658.3	519.9	EOD TO VERTICAL
6,917.7	6,847.0	658.3	519.9	KOP (10°/100ft BUR)
7,817.8	7,420.0	85.3	521.5	7" ICP - JOHNSON TRUST 7
12,220.7	7,420.0	-4,317.6	533.9	BHL - JOHNSON TRUST 7