

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

NW NE SEC. 4 T1S R67W 6th P.M.

SELTZER 2

ORIGINAL WELLBORE

13 October, 2015

Plan: PROPOSAL #1

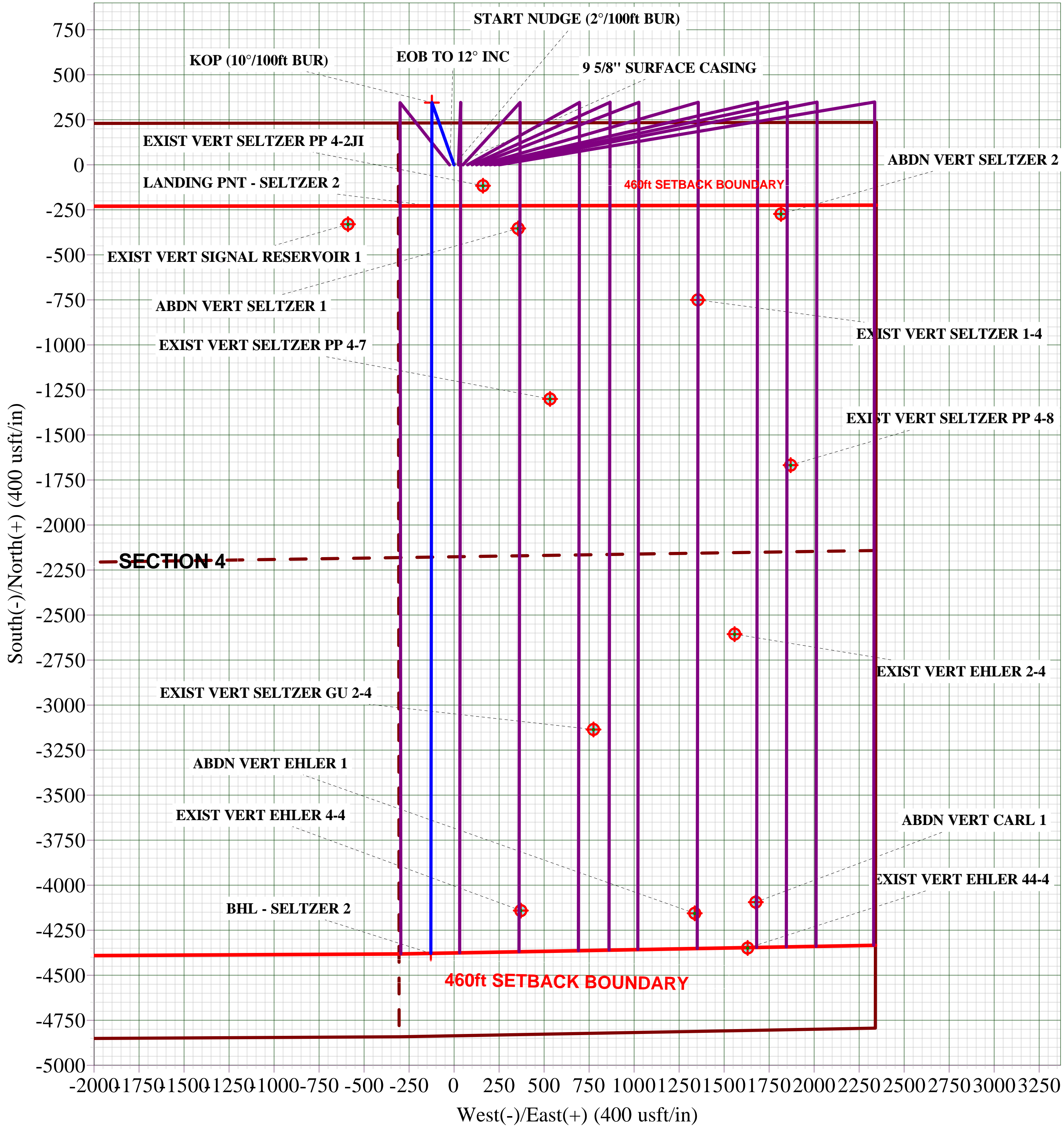
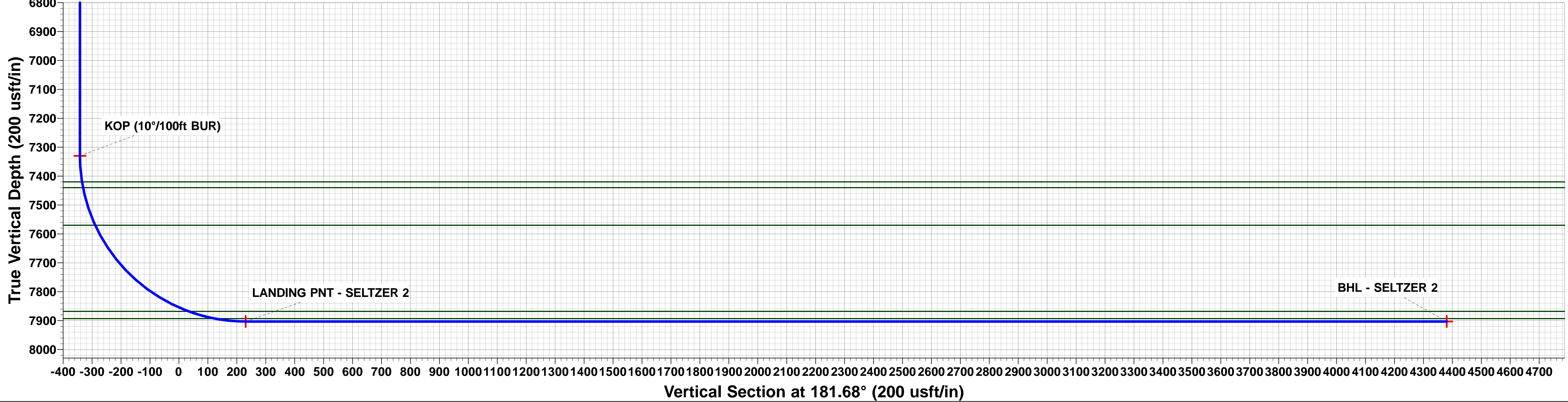
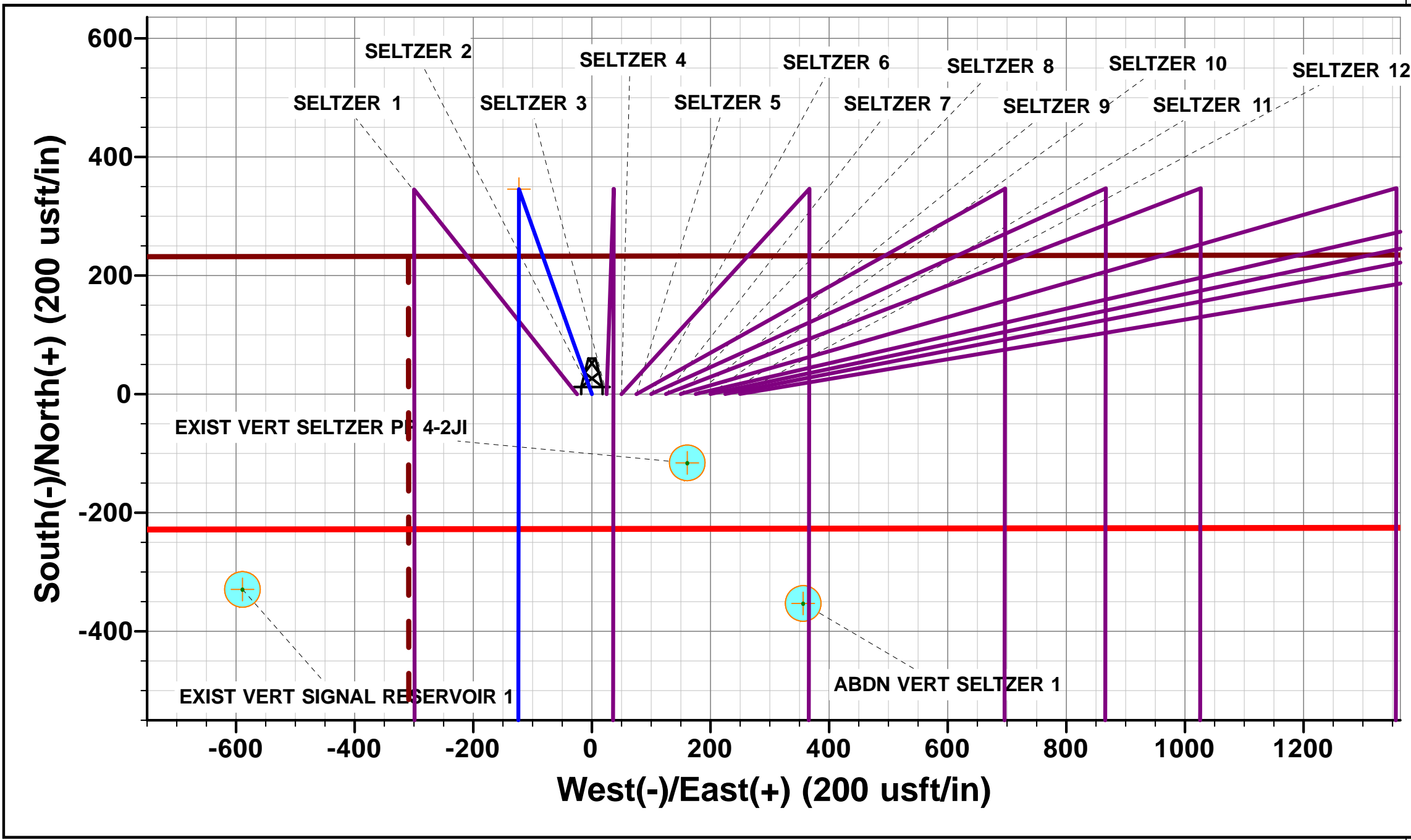
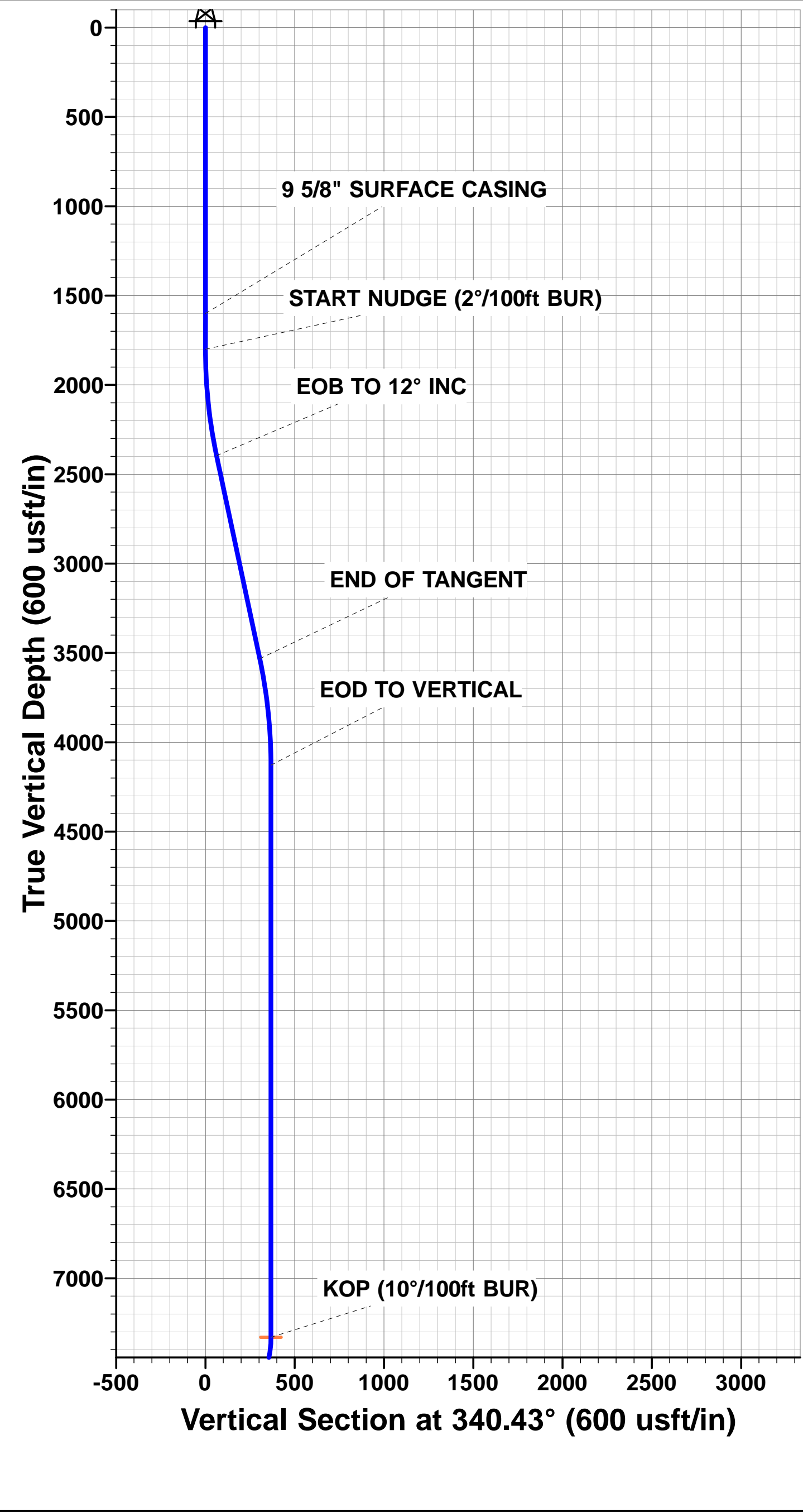




Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW NE SEC. 4 T1S R67W 6th P.M.
Well: SELTZER 2
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS										PROPOSED LOCAL COORDINATES: SHL: 233ft FNL & 2347ft FEL Sec 4 LANDING PNT: 460ft FNL & 2470ft FEL Sec 4 BHL: 460ft FSL & 2470ft FEL Sec 4
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation		
1600.0	1600.0	0.00	0.00	0.0	0.0	0.0	0.0	9 5/8" SURFACE CASING		
1800.0	1800.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)		
2395.8	2400.2	12.00	340.43	59.0	-21.0	-58.4	62.6	EOB TO 12° INC		
3532.2	3562.0	12.00	340.43	286.7	-101.9	-283.6	304.3	END OF TANGENT		
4128.0	4162.2	0.00	0.00	345.7	-122.9	-341.9	366.9	EOD TO VERTICAL		
7330.0	7364.2	0.00	0.00	345.7	-122.9	-341.9	366.9	KOP (10°/100ft BUR)		
7903.0	8264.2	90.00	180.07	-227.3	-123.6	230.8	939.9	LANDING PNT - SELTZER 2		
7903.0	12415.6	90.00	180.07	-4378.7	-128.6	4380.6	5091.3	BHL - SELTZER 2		

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - SELTZER 2	7330.0	345.7	-122.9	40.000667	-104.893203
LANDING PNT - SELTZER 2	7903.0	-227.3	-123.6	39.999094	-104.893205
BHL - SELTZER 2	7903.0	-4378.7	-128.6	39.987698	-104.893223



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 2
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 2	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 NE SEC. 4 T1S R67W 6th P.M.		
Site Position:		Northing:	1,243,328.66 usft
From:	Lat/Long	Easting:	3,170,368.61 usft
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft
		Latitude:	39.999719
		Longitude:	-104.891872
		Grid Convergence:	0.39 °

Well	SELTZER 2		
Well Position	+N/-S	-0.4 usft	Northing:
	+E/-W	-249.9 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)
	IGRF2015	13/10/2015	8.42	66.55	52,358

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 (°)
	7,903.0	0.0	0.0	181.68

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	-5,099.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	-3,299.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.2	12.00	340.43	2,395.8	-2,703.2	59.0	-21.0	2.00	2.00	0.00	340.43	
3,562.0	12.00	340.43	3,532.2	-1,566.8	286.7	-101.9	0.00	0.00	0.00	0.00	
4,162.2	0.00	0.00	4,128.0	-971.0	345.7	-122.9	2.00	-2.00	0.00	180.00	
7,364.2	0.00	0.00	7,330.0	2,231.0	345.7	-122.9	0.00	0.00	0.00	0.00	KOP - SELTZER 2
8,264.2	90.00	180.07	7,903.0	2,804.0	-227.3	-123.6	10.00	10.00	-19.99	180.07	LANDING PNT - SE
12,415.6	90.00	180.07	7,903.0	2,804.0	-4,378.7	-128.6	0.00	0.00	0.00	54.99	BHL - SELTZER 2

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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 2	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	5,099.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,999.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,899.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,799.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,699.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,599.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,499.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,399.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,299.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,199.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	4,099.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,999.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,899.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,799.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,699.00	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,599.00	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8" SURFACE CASING										
1,600.0	0.00	0.00	1,600.0	3,499.00	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	3,399.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
1,800.0	0.00	0.00	1,800.0	3,299.00	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	2.00	340.43	1,900.0	3,199.02	1.6	-0.6	-1.6	2.00	2.00	0.00
2,000.0	4.00	340.43	1,999.8	3,099.16	6.6	-2.3	-6.5	2.00	2.00	0.00
2,100.0	6.00	340.43	2,099.5	2,999.55	14.8	-5.3	-14.6	2.00	2.00	0.00
2,200.0	8.00	340.43	2,198.7	2,900.30	26.3	-9.3	-26.0	2.00	2.00	0.00
2,300.0	10.00	340.43	2,297.5	2,801.53	41.0	-14.6	-40.6	2.00	2.00	0.00
2,400.0	12.00	340.43	2,395.6	2,703.38	59.0	-21.0	-58.3	2.00	2.00	0.00
EOB TO 12" INC										
2,400.2	12.00	340.43	2,395.8	2,703.22	59.0	-21.0	-58.4	2.00	2.00	0.00
2,500.0	12.00	340.43	2,493.4	2,605.56	78.6	-27.9	-77.7	0.00	0.00	0.00
2,600.0	12.00	340.43	2,591.3	2,507.75	98.2	-34.9	-97.1	0.00	0.00	0.00
2,700.0	12.00	340.43	2,689.1	2,409.94	117.8	-41.9	-116.5	0.00	0.00	0.00
2,800.0	12.00	340.43	2,786.9	2,312.12	137.4	-48.8	-135.9	0.00	0.00	0.00
2,900.0	12.00	340.43	2,884.7	2,214.31	157.0	-55.8	-155.3	0.00	0.00	0.00
3,000.0	12.00	340.43	2,982.5	2,116.50	176.6	-62.8	-174.6	0.00	0.00	0.00
3,100.0	12.00	340.43	3,080.3	2,018.68	196.2	-69.7	-194.0	0.00	0.00	0.00
3,200.0	12.00	340.43	3,178.1	1,920.87	215.7	-76.7	-213.4	0.00	0.00	0.00
3,300.0	12.00	340.43	3,275.9	1,823.05	235.3	-83.7	-232.8	0.00	0.00	0.00
3,400.0	12.00	340.43	3,373.8	1,725.24	254.9	-90.6	-252.2	0.00	0.00	0.00
3,500.0	12.00	340.43	3,471.6	1,627.43	274.5	-97.6	-271.5	0.00	0.00	0.00
END OF TANGENT										
3,562.0	12.00	340.43	3,532.2	1,566.78	286.7	-101.9	-283.6	0.00	0.00	0.00
3,600.0	11.24	340.43	3,569.4	1,529.56	293.9	-104.5	-290.7	2.00	-2.00	0.00
3,700.0	9.24	340.43	3,667.8	1,431.16	310.7	-110.4	-307.3	2.00	-2.00	0.00
3,800.0	7.24	340.43	3,766.8	1,332.20	324.2	-115.2	-320.6	2.00	-2.00	0.00
3,900.0	5.24	340.43	3,866.2	1,232.80	334.4	-118.9	-330.8	2.00	-2.00	0.00
4,000.0	3.24	340.43	3,965.9	1,133.08	341.4	-121.4	-337.7	2.00	-2.00	0.00
4,100.0	1.24	340.43	4,065.8	1,033.16	345.1	-122.7	-341.3	2.00	-2.00	0.00
EOD TO VERTICAL										
4,162.2	0.00	0.00	4,128.0	971.00	345.7	-122.9	-341.9	2.00	-2.00	0.00
PARKMAN										
4,164.2	0.00	0.00	4,130.0	969.00	345.7	-122.9	-341.9	0.00	0.00	0.00
4,200.0	0.00	0.00	4,165.8	933.16	345.7	-122.9	-341.9	0.00	0.00	0.00

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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)
4,300.0	0.00	0.00	4,265.8	833.16	345.7	-122.9	-341.9	0.00	0.00	0.00
4,400.0	0.00	0.00	4,365.8	733.16	345.7	-122.9	-341.9	0.00	0.00	0.00
4,500.0	0.00	0.00	4,465.8	633.16	345.7	-122.9	-341.9	0.00	0.00	0.00
4,600.0	0.00	0.00	4,565.8	533.16	345.7	-122.9	-341.9	0.00	0.00	0.00
4,700.0	0.00	0.00	4,665.8	433.16	345.7	-122.9	-341.9	0.00	0.00	0.00
4,800.0	0.00	0.00	4,765.8	333.16	345.7	-122.9	-341.9	0.00	0.00	0.00
4,900.0	0.00	0.00	4,865.8	233.16	345.7	-122.9	-341.9	0.00	0.00	0.00
5,000.0	0.00	0.00	4,965.8	133.16	345.7	-122.9	-341.9	0.00	0.00	0.00
SUSSEX										
5,004.2	0.00	0.00	4,970.0	129.00	345.7	-122.9	-341.9	0.00	0.00	0.00
5,100.0	0.00	0.00	5,065.8	33.16	345.7	-122.9	-341.9	0.00	0.00	0.00
5,200.0	0.00	0.00	5,165.8	-66.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,265.8	-166.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,400.0	0.00	0.00	5,365.8	-266.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,500.0	0.00	0.00	5,465.8	-366.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,565.8	-466.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,665.8	-566.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,765.8	-666.84	345.7	-122.9	-341.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,865.8	-766.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,965.8	-866.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,100.0	0.00	0.00	6,065.8	-966.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,165.8	-1,066.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,265.8	-1,166.84	345.7	-122.9	-341.9	0.00	0.00	0.00
SHANNON										
6,314.2	0.00	0.00	6,280.0	-1,181.00	345.7	-122.9	-341.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,365.8	-1,266.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,465.8	-1,366.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,565.8	-1,466.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,665.8	-1,566.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,765.8	-1,666.84	345.7	-122.9	-341.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,865.8	-1,766.84	345.7	-122.9	-341.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,965.8	-1,866.84	345.7	-122.9	-341.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,065.8	-1,966.84	345.7	-122.9	-341.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,165.8	-2,066.84	345.7	-122.9	-341.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,265.8	-2,166.84	345.7	-122.9	-341.9	0.00	0.00	0.00
KOP (10°/100ft BUR)										
7,364.2	0.00	0.00	7,330.0	-2,231.00	345.7	-122.9	-341.9	0.00	0.00	0.00
7,400.0	3.58	180.07	7,365.8	-2,266.81	344.6	-122.9	-340.8	10.00	10.00	0.00
SHARON SPRINGS										
7,454.5	9.04	180.07	7,420.0	-2,321.00	338.6	-122.9	-334.8	10.00	10.00	0.00
NIOBRARA										
7,474.9	11.07	180.07	7,440.0	-2,341.00	335.0	-122.9	-331.3	10.00	10.00	0.00
7,500.0	13.58	180.07	7,464.6	-2,365.57	329.7	-122.9	-325.9	10.00	10.00	0.00
7,600.0	23.58	180.07	7,559.2	-2,460.23	297.8	-123.0	-294.1	10.00	10.00	0.00
NIO B										
7,611.8	24.76	180.07	7,570.0	-2,471.00	293.0	-123.0	-289.3	10.00	10.00	0.00
7,700.0	33.58	180.07	7,646.9	-2,547.94	250.1	-123.0	-246.3	10.00	10.00	0.00
7,800.0	43.58	180.07	7,725.0	-2,626.01	187.8	-123.1	-184.1	10.00	10.00	0.00
7,900.0	53.58	180.07	7,791.1	-2,692.08	112.9	-123.2	-109.2	10.00	10.00	0.00
8,000.0	63.58	180.07	7,843.1	-2,744.15	27.7	-123.3	-24.0	10.00	10.00	0.00
FORT HAYES										
8,062.9	69.87	180.07	7,868.0	-2,769.00	-30.1	-123.3	33.7	10.00	10.00	0.00
8,100.0	73.58	180.07	7,879.6	-2,780.63	-65.3	-123.4	68.9	10.00	10.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 2
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 2	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)
CODELL										
8,157.0	79.28	180.07	7,893.0	-2,794.00	-120.7	-123.4	124.3	10.00	10.00	0.00
8,200.0	83.58	180.07	7,899.4	-2,800.40	-163.2	-123.5	166.8	10.00	10.00	0.00
LANDING PNT - SELTZER 2										
8,264.2	90.00	180.07	7,903.0	-2,804.00	-227.3	-123.6	230.8	10.00	10.00	0.00
8,300.0	90.00	180.07	7,903.0	-2,804.00	-263.1	-123.6	266.6	0.00	0.00	0.00
8,400.0	90.00	180.07	7,903.0	-2,804.01	-363.1	-123.7	366.5	0.00	0.00	0.00
8,500.0	90.00	180.07	7,903.0	-2,804.01	-463.1	-123.8	466.5	0.00	0.00	0.00
8,600.0	90.00	180.07	7,903.0	-2,804.02	-563.1	-123.9	566.5	0.00	0.00	0.00
8,700.0	90.00	180.07	7,903.0	-2,804.02	-663.1	-124.1	666.4	0.00	0.00	0.00
8,800.0	90.00	180.07	7,903.0	-2,804.03	-763.1	-124.2	766.4	0.00	0.00	0.00
8,900.0	90.00	180.07	7,903.0	-2,804.03	-863.1	-124.3	866.3	0.00	0.00	0.00
9,000.0	90.00	180.07	7,903.0	-2,804.03	-963.1	-124.4	966.3	0.00	0.00	0.00
9,100.0	90.00	180.07	7,903.0	-2,804.04	-1,063.1	-124.5	1,066.3	0.00	0.00	0.00
9,200.0	90.00	180.07	7,903.0	-2,804.04	-1,163.1	-124.6	1,166.2	0.00	0.00	0.00
9,300.0	90.00	180.07	7,903.0	-2,804.04	-1,263.1	-124.8	1,266.2	0.00	0.00	0.00
9,400.0	90.00	180.07	7,903.0	-2,804.05	-1,363.1	-124.9	1,366.1	0.00	0.00	0.00
9,500.0	90.00	180.07	7,903.0	-2,804.05	-1,463.1	-125.0	1,466.1	0.00	0.00	0.00
9,600.0	90.00	180.07	7,903.1	-2,804.05	-1,563.1	-125.1	1,566.1	0.00	0.00	0.00
9,700.0	90.00	180.07	7,903.1	-2,804.05	-1,663.1	-125.2	1,666.0	0.00	0.00	0.00
9,800.0	90.00	180.07	7,903.1	-2,804.05	-1,763.1	-125.4	1,766.0	0.00	0.00	0.00
9,900.0	90.00	180.07	7,903.1	-2,804.06	-1,863.1	-125.5	1,865.9	0.00	0.00	0.00
10,000.0	90.00	180.07	7,903.1	-2,804.06	-1,963.1	-125.6	1,965.9	0.00	0.00	0.00
10,100.0	90.00	180.07	7,903.1	-2,804.06	-2,063.1	-125.7	2,065.9	0.00	0.00	0.00
10,200.0	90.00	180.07	7,903.1	-2,804.06	-2,163.1	-125.8	2,165.8	0.00	0.00	0.00
10,300.0	90.00	180.07	7,903.1	-2,804.06	-2,263.1	-126.0	2,265.8	0.00	0.00	0.00
10,400.0	90.00	180.07	7,903.1	-2,804.06	-2,363.1	-126.1	2,365.8	0.00	0.00	0.00
10,500.0	90.00	180.07	7,903.1	-2,804.06	-2,463.1	-126.2	2,465.7	0.00	0.00	0.00
10,600.0	90.00	180.07	7,903.1	-2,804.06	-2,563.1	-126.3	2,565.7	0.00	0.00	0.00
10,700.0	90.00	180.07	7,903.1	-2,804.06	-2,663.1	-126.4	2,665.6	0.00	0.00	0.00
10,800.0	90.00	180.07	7,903.1	-2,804.05	-2,763.1	-126.6	2,765.6	0.00	0.00	0.00
10,900.0	90.00	180.07	7,903.1	-2,804.05	-2,863.1	-126.7	2,865.6	0.00	0.00	0.00
11,000.0	90.00	180.07	7,903.1	-2,804.05	-2,963.1	-126.8	2,965.5	0.00	0.00	0.00
11,100.0	90.00	180.07	7,903.0	-2,804.05	-3,063.1	-126.9	3,065.5	0.00	0.00	0.00
11,200.0	90.00	180.07	7,903.0	-2,804.05	-3,163.1	-127.1	3,165.4	0.00	0.00	0.00
11,300.0	90.00	180.07	7,903.0	-2,804.05	-3,263.1	-127.2	3,265.4	0.00	0.00	0.00
11,400.0	90.00	180.07	7,903.0	-2,804.04	-3,363.1	-127.3	3,365.4	0.00	0.00	0.00
11,500.0	90.00	180.07	7,903.0	-2,804.04	-3,463.1	-127.4	3,465.3	0.00	0.00	0.00
11,600.0	90.00	180.07	7,903.0	-2,804.04	-3,563.1	-127.6	3,565.3	0.00	0.00	0.00
11,700.0	90.00	180.07	7,903.0	-2,804.03	-3,663.1	-127.7	3,665.2	0.00	0.00	0.00
11,800.0	90.00	180.07	7,903.0	-2,804.03	-3,763.1	-127.8	3,765.2	0.00	0.00	0.00
11,900.0	90.00	180.07	7,903.0	-2,804.03	-3,863.1	-128.0	3,865.2	0.00	0.00	0.00
12,000.0	90.00	180.07	7,903.0	-2,804.02	-3,963.1	-128.1	3,965.1	0.00	0.00	0.00
12,100.0	90.00	180.07	7,903.0	-2,804.02	-4,063.1	-128.2	4,065.1	0.00	0.00	0.00
12,200.0	90.00	180.07	7,903.0	-2,804.01	-4,163.1	-128.3	4,165.0	0.00	0.00	0.00
12,300.0	90.00	180.07	7,903.0	-2,804.01	-4,263.1	-128.5	4,265.0	0.00	0.00	0.00
12,400.0	90.00	180.07	7,903.0	-2,804.00	-4,363.1	-128.6	4,365.0	0.00	0.00	0.00
BHL - SELTZER 2										
12,415.6	90.00	180.07	7,903.0	-2,804.00	-4,378.7	-128.6	4,380.6	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 2
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations					
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,164.2	4,130.0	PARKMAN			
5,004.2	4,970.0	SUSSEX			
6,314.2	6,280.0	SHANNON			
7,454.5	7,420.0	SHARON SPRINGS			
7,474.9	7,440.0	NIOBRARA			
7,611.8	7,570.0	NIO B			
8,062.9	7,868.0	FORT HAYES			
8,157.0	7,893.0	CODELL			

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,600.0	1,600.0	0.0	0.0	9 5/8" SURFACE CASING
1,800.0	1,800.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2,400.2	2,395.8	59.0	-21.0	EOB TO 12° INC
3,562.0	3,532.2	286.7	-101.9	END OF TANGENT
4,162.2	4,128.0	345.7	-122.9	EOD TO VERTICAL
7,364.2	7,330.0	345.7	-122.9	KOP (10°/100ft BUR)
8,264.2	7,903.0	-227.3	-123.6	LANDING PNT - SELTZER 2
12,415.6	7,903.0	-4,378.7	-128.6	BHL - SELTZER 2