

**BONANZA CREEK ENERGY INC.**

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

**SW SW SEC. 26 T4N R63W 6th P.M.**

**MUSTANG D14-X44-26HNB**

**ORIGINAL WELLBORE**

**30 November, 2016**

**Plan: PROPOSAL #2**





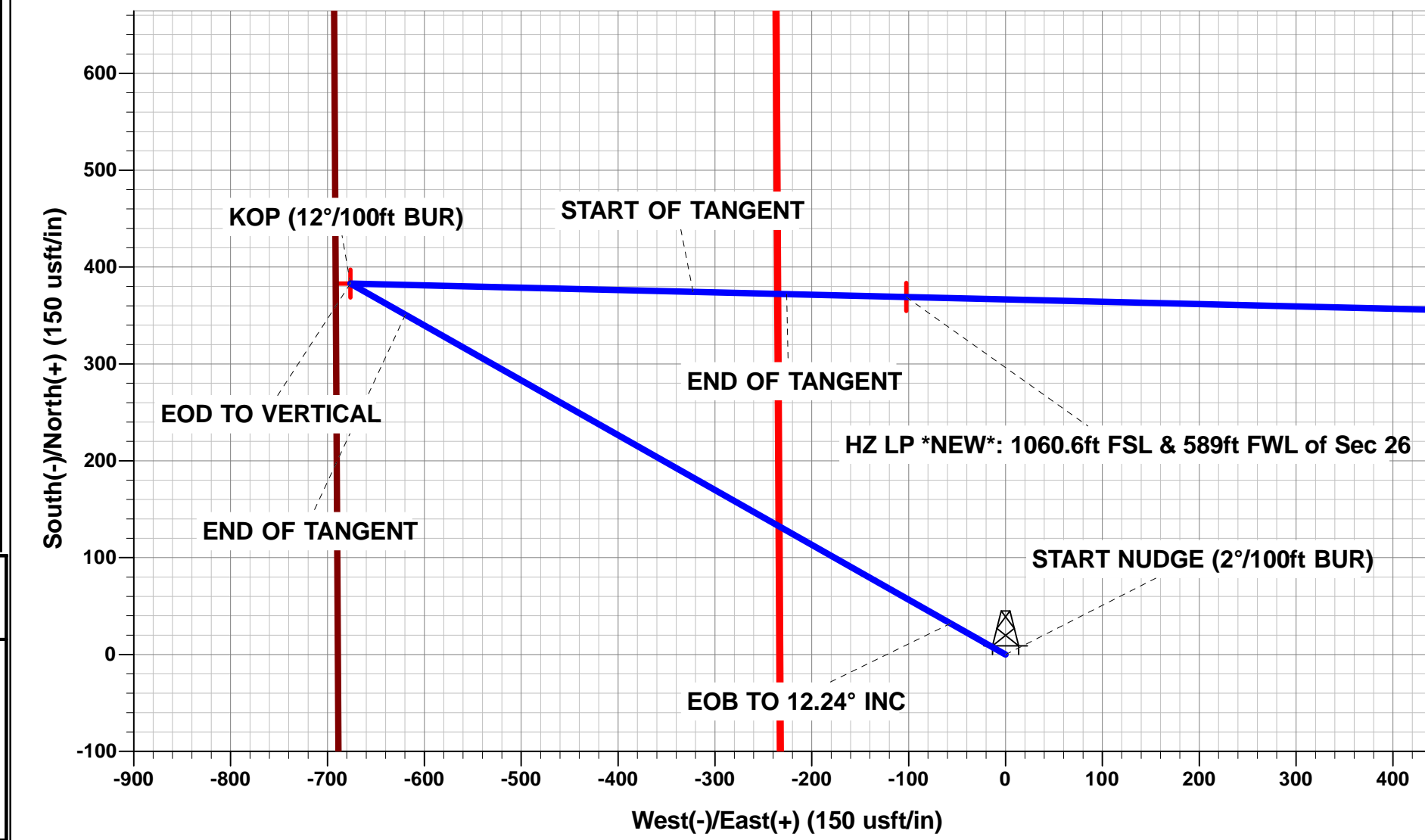
Project: WELD COUNTY, COLORADO (NAD 83)  
 Site: SW SW SEC. 26 T4N R63W 6th P.M.  
 Well: MUSTANG D14-X44-26HNB  
 Wellbore: ORIGINAL WELLBORE  
 Design: PROPOSAL #2

**ANNOTATIONS**

TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	SHL: 695ft FSL & 690ft FWL of Sec 26
1700.0	1700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDDGE (2°/100ft BUR)
2307.4	2312.0	12.24	299.52	32.1	-56.7	-54.5	65.1	EOB TO 12.24° INC
5289.7	5363.7	12.24	299.52	350.8	-619.6	-595.6	712.1	END OF TANGENT
5897.0	5975.6	0.00	299.52	382.9	-676.3	-650.1	777.2	EOD TO VERTICAL
5927.0	6005.6	0.00	0.00	382.9	-676.3	-650.1	777.2	KOP (12°/100ft BUR)
6388.2	6630.6	74.99	91.38	374.4	-322.6	-297.6	1131.0	START OF TANGENT
6414.1	6730.6	75.00	91.38	372.1	-226.0	-201.4	1227.6	END OF TANGENT
6430.3	6855.6	89.99	91.38	369.1	-102.5	-78.3	1351.2	HZ LP *NEW*: 1060.6ft FSL & 589ft FWL of Sec 26
6430.3	11075.4	90.00	91.38	267.4	4116.1	4124.8	5571.0	BHL: 1048ft FSL & 470ft FEL of Sec 26

**WELLBORE TARGET DETAILS (LAT/LONG)**

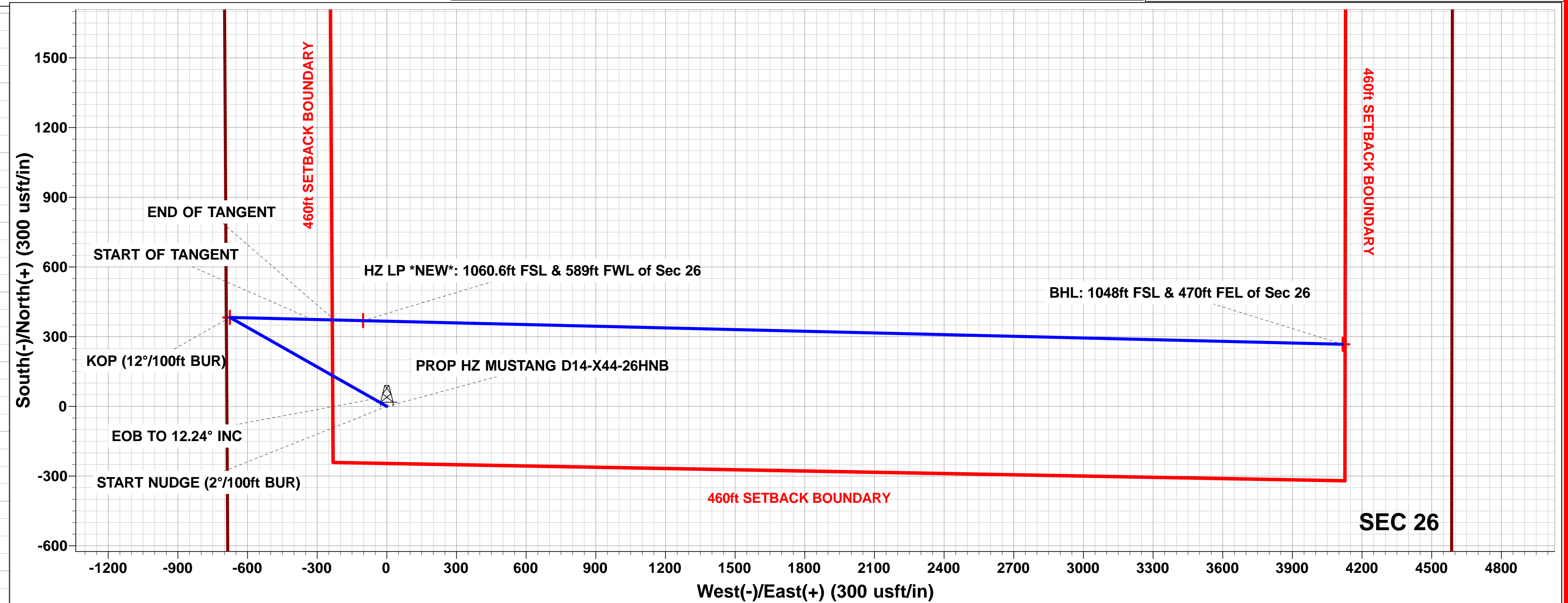
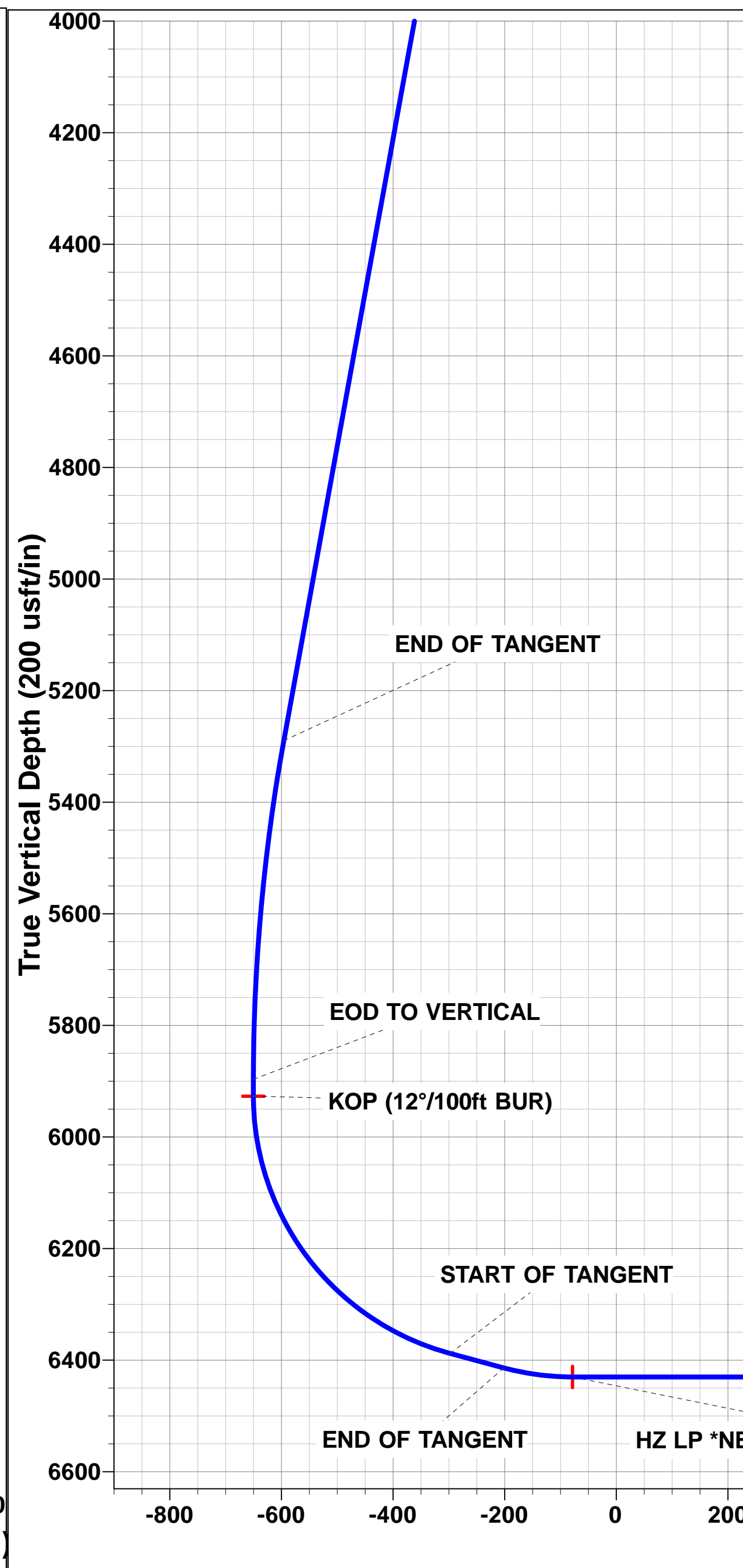
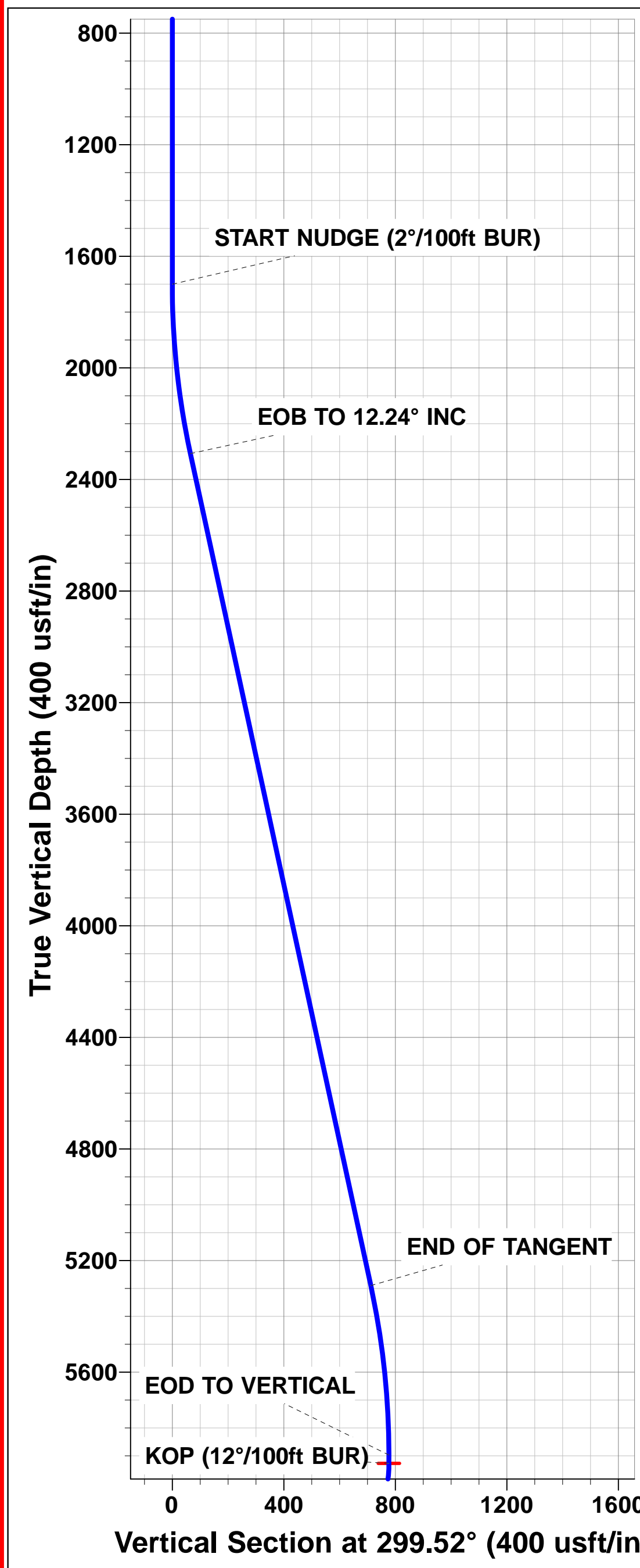
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - MUSTANG D14-X44-26HNB (P2)	5927.0	382.9	-676.3	40.279076	-104.414418
BHL - MUSTANG D14-X44-26HNB (P2)	6430.3	267.4	4116.1	40.278758	-104.397242
HZ LP *NEW* - MUSTANG D14-X44-26HNB (P2)	6430.3	369.1	-102.4	40.279038	-104.412361



**PROPOSED LOCAL COORDINATES:**  
 SHL: 695ft FSL & 690ft FWL of Sec 26  
 HZ LP \*NEW\*: 1060.6ft FSL & 589ft FWL of Sec 26  
 BHL: 1048ft FSL & 470ft FEL of Sec 26

Azimuths to True North  
 Magnetic North: 8.08°

Magnetic Field  
 Strength: 52437.3snT  
 Dip Angle: 66.83°  
 Date: 02/11/2016  
 Model: IGRF2015





<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well MUSTANG D14-X44-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4755.3usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4755.3usft
<b>Site:</b>	SW SW SEC. 26 T4N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	MUSTANG D14-X44-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

<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

<b>Site</b>	SW SW SEC. 26 T4N R63W 6th P.M.				
<b>Site Position:</b>		<b>Northing:</b>	1,345,808.93 usft	<b>Latitude:</b>	40.277531
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,303,620.99 usft	<b>Longitude:</b>	-104.411778
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000ft	<b>Grid Convergence:</b>	0.70 °

<b>Well</b>	MUSTANG D14-X44-26HNB					
<b>Well Position</b>	<b>+N-S</b>	180.0 usft	<b>Northing:</b>	1,345,988.13 usft	<b>Latitude:</b>	40.278025
	<b>+E-W</b>	-60.3 usft	<b>Easting:</b>	3,303,558.52 usft	<b>Longitude:</b>	-104.411994
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	4,738.3 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	02/11/2016	8.08	66.83	52,437

<b>Design</b>	PROPOSAL #2			
<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>
	6,430.3	0.0	0.0	86.28

<b>Plan Sections</b>											
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	-4,755.3	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	-3,055.3	0.0	0.0	0.00	0.00	0.00	0.00	
2,312.0	12.24	299.52	2,307.3	-2,448.0	32.1	-56.7	2.00	2.00	0.00	299.52	
5,363.7	12.24	299.52	5,289.7	534.4	350.8	-619.6	0.00	0.00	0.00	0.00	
5,975.6	0.00	0.00	5,897.0	1,141.7	382.9	-676.3	2.00	-2.00	0.00	180.00	
6,005.6	0.00	0.00	5,927.0	1,171.7	382.9	-676.3	0.00	0.00	0.00	0.00	KOP - MUSTANG I
6,630.6	75.00	91.38	6,388.2	1,632.9	374.4	-322.5	12.00	12.00	0.00	91.38	
6,730.6	75.00	91.38	6,414.1	1,658.8	372.1	-226.0	0.00	0.00	0.00	0.00	
6,855.6	90.00	91.38	6,430.3	1,675.0	369.1	-102.4	12.00	12.00	0.00	0.00	
11,075.4	90.00	91.38	6,430.3	1,675.0	267.4	4,116.1	0.00	0.00	0.00	54.13	BHL - MUSTANG C



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well MUSTANG D14-X44-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4755.3usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4755.3usft
<b>Site:</b>	SW SW SEC. 26 T4N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	MUSTANG D14-X44-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

**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>SHL: 695ft FSL &amp; 690ft FWL of Sec 26</b>										
0.0	0.00	0.00	0.0	4,755.30	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,655.30	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,555.30	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,455.30	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,355.30	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,255.30	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,155.30	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,055.30	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,955.30	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,855.30	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,755.30	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,655.30	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,555.30	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,455.30	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,355.30	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,255.30	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	3,155.30	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2°/100ft BUR)</b>										
1,700.0	0.00	0.00	1,700.0	3,055.30	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	2.00	299.52	1,800.0	2,955.32	0.9	-1.5	-1.5	2.00	2.00	0.00
1,900.0	4.00	299.52	1,899.8	2,855.46	3.4	-6.1	-5.8	2.00	2.00	0.00
2,000.0	6.00	299.52	1,999.5	2,755.85	7.7	-13.7	-13.1	2.00	2.00	0.00
2,100.0	8.00	299.52	2,098.7	2,656.60	13.7	-24.3	-23.3	2.00	2.00	0.00
2,200.0	10.00	299.52	2,197.5	2,557.83	21.4	-37.9	-36.4	2.00	2.00	0.00
2,300.0	12.00	299.52	2,295.6	2,459.68	30.8	-54.5	-52.4	2.00	2.00	0.00
<b>EOB TO 12.24° INC</b>										
2,312.0	12.24	299.52	2,307.4	2,447.94	32.1	-56.7	-54.5	1.99	1.99	0.00
2,400.0	12.24	299.52	2,393.4	2,361.94	41.3	-72.9	-70.1	0.00	0.00	0.00
2,500.0	12.24	299.52	2,491.1	2,264.22	51.7	-91.4	-87.8	0.00	0.00	0.00
2,600.0	12.24	299.52	2,588.8	2,166.49	62.2	-109.8	-105.5	0.00	0.00	0.00
2,700.0	12.24	299.52	2,686.5	2,068.76	72.6	-128.2	-123.3	0.00	0.00	0.00
2,800.0	12.24	299.52	2,784.3	1,971.04	83.1	-146.7	-141.0	0.00	0.00	0.00
2,900.0	12.24	299.52	2,882.0	1,873.31	93.5	-165.1	-158.7	0.00	0.00	0.00
3,000.0	12.24	299.52	2,979.7	1,775.58	103.9	-183.6	-176.5	0.00	0.00	0.00
3,100.0	12.24	299.52	3,077.4	1,677.85	114.4	-202.0	-194.2	0.00	0.00	0.00
3,200.0	12.24	299.52	3,175.2	1,580.13	124.8	-220.5	-211.9	0.00	0.00	0.00
3,300.0	12.24	299.52	3,272.9	1,482.40	135.3	-238.9	-229.7	0.00	0.00	0.00
3,400.0	12.24	299.52	3,370.6	1,384.67	145.7	-257.4	-247.4	0.00	0.00	0.00
3,500.0	12.24	299.52	3,468.4	1,286.95	156.2	-275.8	-265.1	0.00	0.00	0.00
3,600.0	12.24	299.52	3,566.1	1,189.22	166.6	-294.3	-282.9	0.00	0.00	0.00
3,700.0	12.24	299.52	3,663.8	1,091.49	177.1	-312.7	-300.6	0.00	0.00	0.00
3,800.0	12.24	299.52	3,761.5	993.76	187.5	-331.2	-318.3	0.00	0.00	0.00
3,900.0	12.24	299.52	3,859.3	896.04	197.9	-349.6	-336.1	0.00	0.00	0.00
4,000.0	12.24	299.52	3,957.0	798.31	208.4	-368.1	-353.8	0.00	0.00	0.00
4,100.0	12.24	299.52	4,054.7	700.58	218.8	-386.5	-371.5	0.00	0.00	0.00
4,200.0	12.24	299.52	4,152.4	602.86	229.3	-405.0	-389.2	0.00	0.00	0.00
4,300.0	12.24	299.52	4,250.2	505.13	239.7	-423.4	-407.0	0.00	0.00	0.00
4,400.0	12.24	299.52	4,347.9	407.40	250.2	-441.9	-424.7	0.00	0.00	0.00
4,500.0	12.24	299.52	4,445.6	309.67	260.6	-460.3	-442.4	0.00	0.00	0.00
4,600.0	12.24	299.52	4,543.4	211.95	271.1	-478.8	-460.2	0.00	0.00	0.00
4,700.0	12.24	299.52	4,641.1	114.22	281.5	-497.2	-477.9	0.00	0.00	0.00
4,800.0	12.24	299.52	4,738.8	16.49	291.9	-515.6	-495.6	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well MUSTANG D14-X44-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4755.3usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4755.3usft
<b>Site:</b>	SW SW SEC. 26 T4N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	MUSTANG D14-X44-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

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)
4,900.0	12.24	299.52	4,836.5	-81.23	302.4	-534.1	-513.4	0.00	0.00	0.00
5,000.0	12.24	299.52	4,934.3	-178.96	312.8	-552.5	-531.1	0.00	0.00	0.00
5,100.0	12.24	299.52	5,032.0	-276.69	323.3	-571.0	-548.8	0.00	0.00	0.00
5,200.0	12.24	299.52	5,129.7	-374.42	333.7	-589.4	-566.6	0.00	0.00	0.00
5,300.0	12.24	299.52	5,227.4	-472.14	344.2	-607.9	-584.3	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>5,363.7</b>	<b>12.24</b>	<b>299.52</b>	<b>5,289.7</b>	<b>-534.39</b>	<b>350.8</b>	<b>-619.6</b>	<b>-595.6</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
5,400.0	11.51	299.52	5,325.2	-569.92	354.5	-626.1	-601.8	2.00	-2.00	0.00
5,500.0	9.51	299.52	5,423.5	-668.23	363.5	-642.0	-617.1	2.00	-2.00	0.00
5,600.0	7.51	299.52	5,522.4	-767.13	370.8	-654.9	-629.5	2.00	-2.00	0.00
5,700.0	5.51	299.52	5,621.8	-866.48	376.4	-664.8	-639.0	2.00	-2.00	0.00
5,800.0	3.51	299.52	5,721.5	-966.16	380.2	-671.6	-645.6	2.00	-2.00	0.00
5,900.0	1.51	299.52	5,821.4	-1,066.06	382.4	-675.4	-649.2	2.00	-2.00	0.00
<b>EOD TO VERTICAL</b>										
<b>5,975.6</b>	<b>0.00</b>	<b>299.52</b>	<b>5,897.0</b>	<b>-1,141.65</b>	<b>382.9</b>	<b>-676.3</b>	<b>-650.1</b>	<b>2.00</b>	<b>-2.00</b>	<b>0.00</b>
6,000.0	0.00	0.00	5,921.4	-1,166.05	382.9	-676.3	-650.1	0.00	0.00	0.00
<b>KOP (12°/100ft BUR)</b>										
<b>6,005.6</b>	<b>0.00</b>	<b>0.00</b>	<b>5,927.0</b>	<b>-1,171.65</b>	<b>382.9</b>	<b>-676.3</b>	<b>-650.1</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,100.0	11.32	91.38	6,020.7	-1,265.44	382.7	-667.0	-640.8	11.99	11.99	0.00
6,200.0	23.32	91.38	6,116.0	-1,360.73	382.0	-637.3	-611.2	12.00	12.00	0.00
6,300.0	35.32	91.38	6,203.1	-1,447.76	380.8	-588.4	-562.5	12.00	12.00	0.00
6,400.0	47.32	91.38	6,278.0	-1,522.72	379.2	-522.5	-496.9	12.00	12.00	0.00
6,500.0	59.32	91.38	6,337.6	-1,582.34	377.3	-442.5	-417.1	12.00	12.00	0.00
6,600.0	71.32	91.38	6,379.3	-1,624.02	375.1	-351.8	-326.8	12.00	12.00	0.00
<b>START OF TANGENT</b>										
<b>6,630.6</b>	<b>74.99</b>	<b>91.38</b>	<b>6,388.2</b>	<b>-1,632.88</b>	<b>374.4</b>	<b>-322.6</b>	<b>-297.6</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,700.0	75.00	91.38	6,406.1	-1,650.85	372.8	-255.5	-230.8	0.01	0.01	0.00
<b>END OF TANGENT</b>										
<b>6,730.6</b>	<b>75.00</b>	<b>91.38</b>	<b>6,414.1</b>	<b>-1,658.76</b>	<b>372.1</b>	<b>-226.0</b>	<b>-201.4</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,800.0	83.32	91.38	6,427.1	-1,671.81	370.4	-157.9	-133.6	11.99	11.99	0.00
<b>HZ LP *NEW*: 1060.6ft FSL &amp; 589ft FWL of Sec 26</b>										
<b>6,855.6</b>	<b>89.99</b>	<b>91.38</b>	<b>6,430.3</b>	<b>-1,675.05</b>	<b>369.1</b>	<b>-102.5</b>	<b>-78.3</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,900.0	90.00	91.38	6,430.3	-1,675.05	368.0	-58.1	-34.1	0.01	0.01	0.00
7,000.0	90.00	91.38	6,430.3	-1,675.05	365.6	41.9	65.5	0.00	0.00	0.00
7,100.0	90.00	91.38	6,430.3	-1,675.05	363.2	141.9	165.1	0.00	0.00	0.00
7,200.0	90.00	91.38	6,430.3	-1,675.05	360.8	241.8	264.7	0.00	0.00	0.00
7,300.0	90.00	91.38	6,430.3	-1,675.05	358.4	341.8	364.3	0.00	0.00	0.00
7,400.0	90.00	91.38	6,430.3	-1,675.05	356.0	441.8	463.9	0.00	0.00	0.00
7,500.0	90.00	91.38	6,430.3	-1,675.05	353.6	541.8	563.5	0.00	0.00	0.00
7,600.0	90.00	91.38	6,430.3	-1,675.05	351.1	641.7	663.1	0.00	0.00	0.00
7,700.0	90.00	91.38	6,430.3	-1,675.04	348.7	741.7	762.7	0.00	0.00	0.00
7,800.0	90.00	91.38	6,430.3	-1,675.04	346.3	841.7	862.3	0.00	0.00	0.00
7,900.0	90.00	91.38	6,430.3	-1,675.04	343.9	941.6	962.0	0.00	0.00	0.00
8,000.0	90.00	91.38	6,430.3	-1,675.04	341.5	1,041.6	1,061.6	0.00	0.00	0.00
8,100.0	90.00	91.38	6,430.3	-1,675.04	339.1	1,141.6	1,161.2	0.00	0.00	0.00
8,200.0	90.00	91.38	6,430.3	-1,675.04	336.7	1,241.6	1,260.8	0.00	0.00	0.00
8,300.0	90.00	91.38	6,430.3	-1,675.04	334.3	1,341.5	1,360.4	0.00	0.00	0.00
8,400.0	90.00	91.38	6,430.3	-1,675.04	331.9	1,441.5	1,460.0	0.00	0.00	0.00
8,500.0	90.00	91.38	6,430.3	-1,675.04	329.5	1,541.5	1,559.6	0.00	0.00	0.00
8,600.0	90.00	91.38	6,430.3	-1,675.04	327.1	1,641.4	1,659.2	0.00	0.00	0.00
8,700.0	90.00	91.38	6,430.3	-1,675.04	324.6	1,741.4	1,758.8	0.00	0.00	0.00
8,800.0	90.00	91.38	6,430.3	-1,675.04	322.2	1,841.4	1,858.4	0.00	0.00	0.00
8,900.0	90.00	91.38	6,430.3	-1,675.04	319.8	1,941.3	1,958.0	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well MUSTANG D14-X44-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4755.3usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4755.3usft
<b>Site:</b>	SW SW SEC. 26 T4N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	MUSTANG D14-X44-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

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)
9,000.0	90.00	91.38	6,430.3	-1,675.03	317.4	2,041.3	2,057.6	0.00	0.00	0.00
9,100.0	90.00	91.38	6,430.3	-1,675.03	315.0	2,141.3	2,157.2	0.00	0.00	0.00
9,200.0	90.00	91.38	6,430.3	-1,675.03	312.6	2,241.3	2,256.8	0.00	0.00	0.00
9,300.0	90.00	91.38	6,430.3	-1,675.03	310.2	2,341.2	2,356.4	0.00	0.00	0.00
9,400.0	90.00	91.38	6,430.3	-1,675.03	307.8	2,441.2	2,456.0	0.00	0.00	0.00
9,500.0	90.00	91.38	6,430.3	-1,675.03	305.4	2,541.2	2,555.6	0.00	0.00	0.00
9,600.0	90.00	91.38	6,430.3	-1,675.03	303.0	2,641.1	2,655.2	0.00	0.00	0.00
9,700.0	90.00	91.38	6,430.3	-1,675.03	300.5	2,741.1	2,754.8	0.00	0.00	0.00
9,800.0	90.00	91.38	6,430.3	-1,675.02	298.1	2,841.1	2,854.4	0.00	0.00	0.00
9,900.0	90.00	91.38	6,430.3	-1,675.02	295.7	2,941.1	2,954.0	0.00	0.00	0.00
10,000.0	90.00	91.38	6,430.3	-1,675.02	293.3	3,041.0	3,053.6	0.00	0.00	0.00
10,100.0	90.00	91.38	6,430.3	-1,675.02	290.9	3,141.0	3,153.3	0.00	0.00	0.00
10,200.0	90.00	91.38	6,430.3	-1,675.02	288.5	3,241.0	3,252.9	0.00	0.00	0.00
10,300.0	90.00	91.38	6,430.3	-1,675.02	286.1	3,340.9	3,352.5	0.00	0.00	0.00
10,400.0	90.00	91.38	6,430.3	-1,675.01	283.7	3,440.9	3,452.1	0.00	0.00	0.00
10,500.0	90.00	91.38	6,430.3	-1,675.01	281.3	3,540.9	3,551.7	0.00	0.00	0.00
10,600.0	90.00	91.38	6,430.3	-1,675.01	278.8	3,640.9	3,651.3	0.00	0.00	0.00
10,700.0	90.00	91.38	6,430.3	-1,675.01	276.4	3,740.8	3,750.9	0.00	0.00	0.00
10,800.0	90.00	91.38	6,430.3	-1,675.01	274.0	3,840.8	3,850.5	0.00	0.00	0.00
10,900.0	90.00	91.38	6,430.3	-1,675.00	271.6	3,940.8	3,950.1	0.00	0.00	0.00
11,000.0	90.00	91.38	6,430.3	-1,675.00	269.2	4,040.7	4,049.7	0.00	0.00	0.00
<b>BHL: 1048ft FSL &amp; 470ft FEL of Sec 26</b>										
<b>11,075.4</b>	<b>90.00</b>	<b>91.38</b>	<b>6,430.3</b>	<b>-1,675.00</b>	<b>267.4</b>	<b>4,116.1</b>	<b>4,124.8</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
HZ LP *NEW* - MUST1 - hit/miss target - Shape - Point	0.00	0.00	6,430.3	369.1	-102.4	1,346,355.93	3,303,451.60	40.279038	-104.412361	
- plan misses target center by 0.1usft at 6855.7usft MD (6430.3 TVD, 369.1 N, -102.4 E)										
EXIST VERT CERVI # - plan misses target center by - Circle (radius 30.0)	0.00	0.00	7,290.3	-1,368.0	449.5	1,344,625.85	3,304,024.78	40.274270	-104.410383	
- plan misses target center by 1925.9usft at 7449.3usft MD (6430.3 TVD, 354.8 N, 491.0 E)										
EXIST VERT CERVI # - plan misses target center by - Circle (radius 30.0)	0.00	0.00	6,875.3	4,020.4	3,920.8	1,350,056.16	3,307,429.49	40.289060	-104.397940	
- plan misses target center by 3773.5usft at 10789.6usft MD (6430.3 TVD, 274.3 N, 3830.4 E)										
BHL - MUSTANG D14 - plan hits target center - Point	0.00	0.00	6,430.3	267.4	4,116.1	1,346,305.98	3,307,670.86	40.278758	-104.397242	
EXIST VERT CERVI # - plan misses target center by - Circle (radius 30.0)	0.00	0.00	6,845.3	3,969.2	2,578.9	1,349,988.52	3,306,088.39	40.288920	-104.402750	
- plan misses target center by 3687.1usft at 9449.4usft MD (6430.3 TVD, 306.6 N, 2490.6 E)										
KOP - MUSTANG D14 - plan hits target center - Point	0.00	0.00	5,927.0	382.9	-676.3	1,346,362.68	3,302,877.60	40.279076	-104.414418	



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<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4755.3usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4755.3usft
<b>Site:</b>	SW SW SEC. 26 T4N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	MUSTANG D14-X44-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

**Plan Annotations**

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.0	0.0	0.0	0.0	SHL: 695ft FSL & 690ft FWL of Sec 26
1,700.0	1,700.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2,312.0	2,307.4	32.1	-56.7	EOB TO 12.24° INC
5,363.7	5,289.7	350.8	-619.6	END OF TANGENT
5,975.6	5,897.0	382.9	-676.3	EOD TO VERTICAL
6,005.6	5,927.0	382.9	-676.3	KOP (12°/100ft BUR)
6,630.6	6,388.2	374.4	-322.6	START OF TANGENT
6,730.6	6,414.1	372.1	-226.0	END OF TANGENT
6,855.6	6,430.3	369.1	-102.5	HZ LP *NEW*: 1060.6ft FSL & 589ft FWL of Sec 26
11,075.4	6,430.3	267.4	4,116.1	BHL: 1048ft FSL & 470ft FEL of Sec 26