EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)
NW NW SEC. 22 T4N R68W 6th P.M.
MLD 10

ORIGINAL WELLBORE
10 July, 2017

Plan: PROPOSAL #3

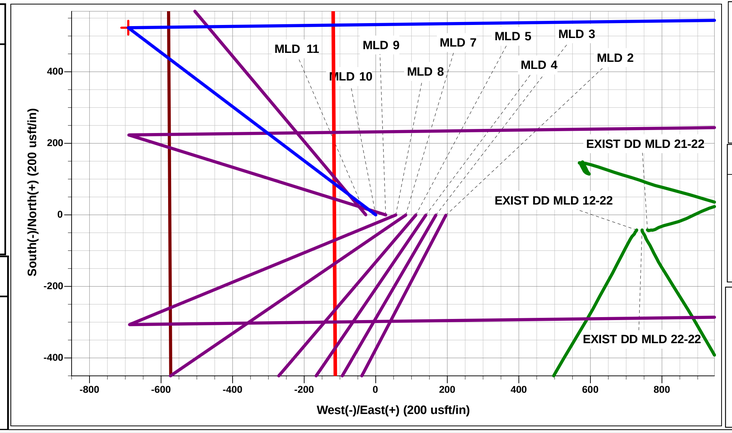
Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW NW SEC. 22 T4N R68W 6th P.M.
Well: MLD 10
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #3

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	SHL: 802ft FNL & 576ft FWL of Sec 22
1350.0	1350.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1875.1	1878.1	10.56	307.11	29.3	-38.7	-34.4	48.5	EOB TO 10.56° INC
6006.0	6080.2	10.56	307.11	494.0	-653.0	-580.1	818.8	END OF TANGENT
6531.1	6608.3	0.00	0.00	523.3	-691.7	-614.5	867.3	EOD TO VERTICAL
6561.1	6638.3	0.00	0.00	523.3	-691.7	-614.5	867.3	KOP (10°/100ft BUR)
7134.0	7538.2	90.00	89.28	530.4	-118.8	-45.9	1440.2	HZ LP (P3): 270ft FNL & 460ft FWL of Sec 22
7134.0	11942.5	90.00	89.29	585.5	4285.1	4325.0	5844.5	BHL (P3): 270ft FNL & 460ft FEL of Sec 22

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - MLD 10 (P3)	6561.1	523.3	-691.7	40.305407	-104.999248
HZ LP - MLD 10 (P3)	7134.0	530.4	-118.8	40.305427	-104.997194
BHL - MLD 10 (P3)	7134.0	585.5	4285.2	40.305577	-104.981404



PROPOSED LOCAL COORDINATES

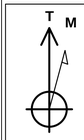
SHL: 802ft FNL & 576ft FWL of Sec 22

HZ LP: 270ft FNL & 460ft FWL of Sec 22

BHL: 270ft FNL & 460ft FEL of Sec 22

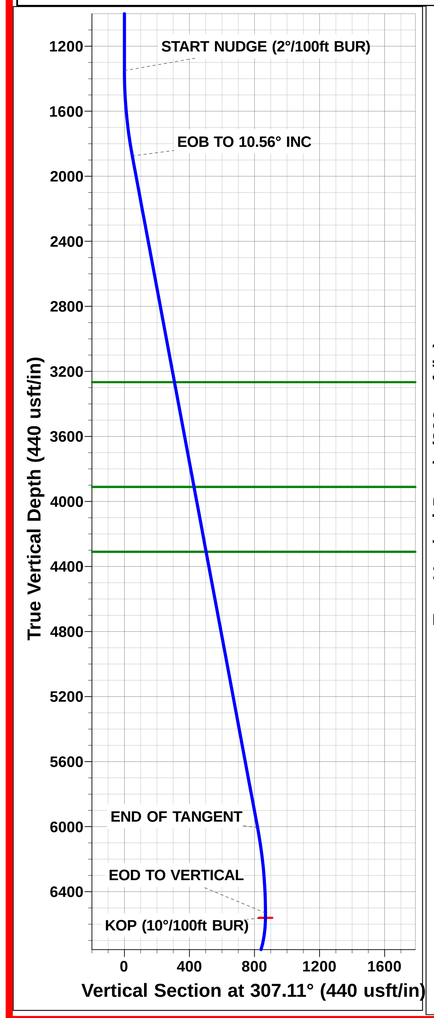
FORMATION TOP DETAILS

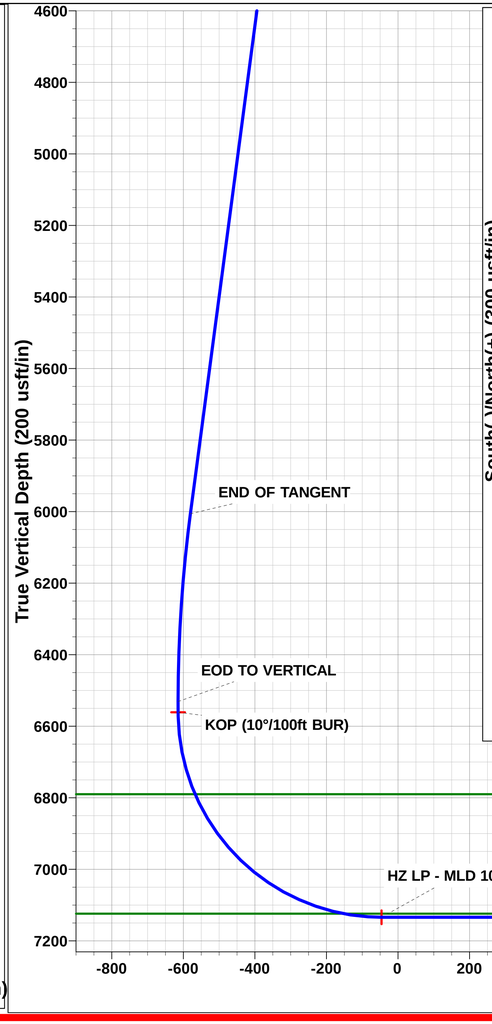
TVDPath	MDPath	Formation
3266.0	3293.0	PARKMAN
3911.0	3949.1	SUSSEX
4310.0	4355.0	SHANNON
6790.0	6873.7	NIOBRARA
7124.0	7431.0	CODELL

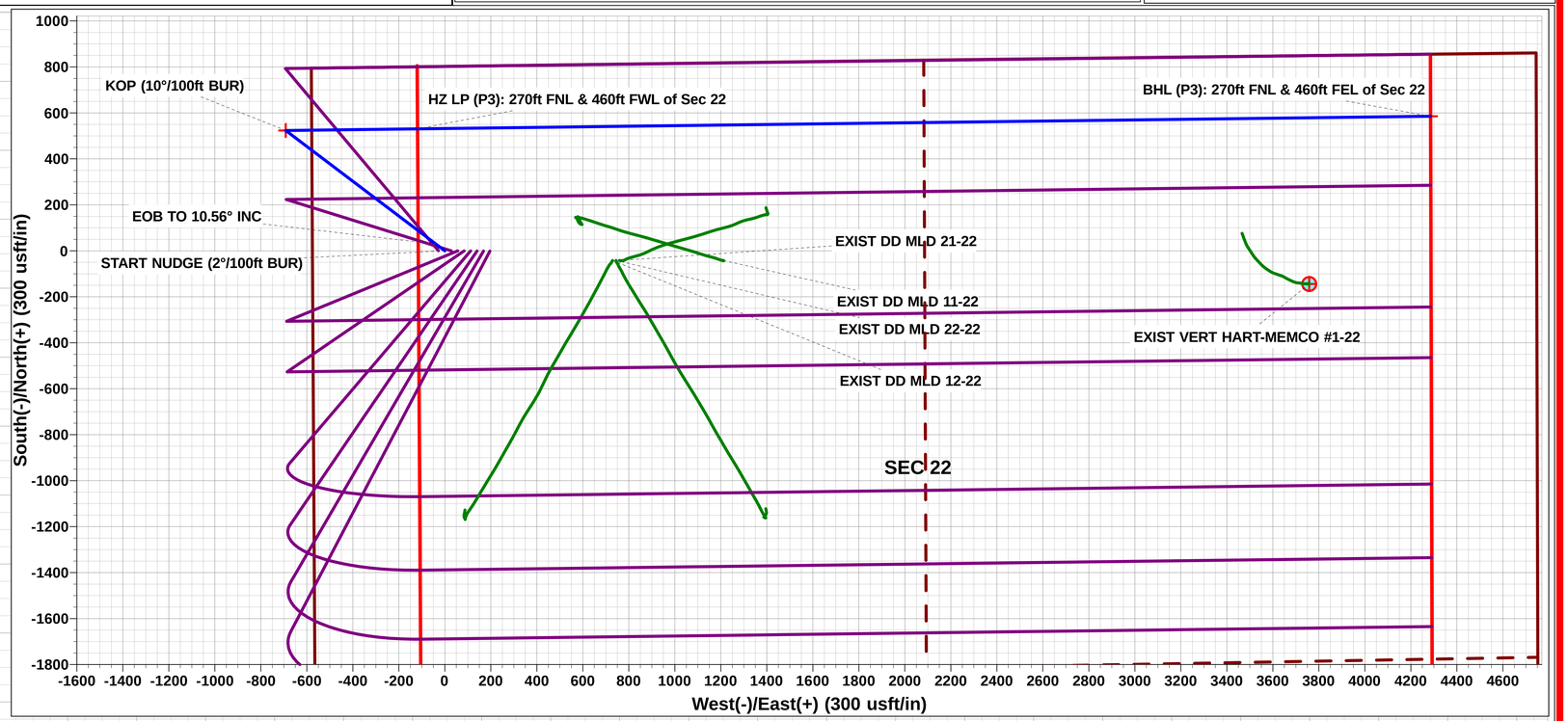


Azimuths to True North
Magnetic North: 8.33°

Magnetic Field
Strength: 52322.3snT
Dip Angle: 66.74°
Date: 01/06/2017
Model: IGRF2015







SETBACK BOUNDARY FALLS 460ft FE/WL of Sec 22

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well MLD 10
Company:	EXTRACTION OIL & GAS	**TVD Reference:**	KB-EST @ 4900.0usft
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4900.0usft
Site:	NW NW SEC. 22 T4N R68W 6th P.M.	**North Reference:**	True
Well:	MLD 10	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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 NW SEC. 22 T4N R68W 6th P.M.

Site Position:		**Northing:**	1,350,393.79 usft	**Latitude:**	40.294131
From:	Lat/Long	**Easting:**	3,140,798.83 usft	**Longitude:**	-104.995243
Position Uncertainty:	0.0 usft	**Slot Radius:**	1.10000 ft	**Grid Convergence:**	0.33 °

Well MLD 10

Well Position	**+N/-S**	3,584.8 usft	**Northing:**	1,353,975.92 usft	**Latitude:**	40.303971
	+E/-W	-425.3 usft	**Easting:**	3,140,353.10 usft	**Longitude:**	-104.996768
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	4,876.0 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	01/06/2017	8.33	66.74	52,322

Design PROPOSAL #3

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	82.22

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	-4,900.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,350.0	0.00	0.00	1,350.0	-3,550.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,878.1	10.56	307.11	1,875.1	-3,024.9	29.3	-38.7	2.00	2.00	0.00	307.11	
6,080.2	10.56	307.11	6,006.0	1,106.0	494.0	-653.0	0.00	0.00	0.00	0.00	
6,608.3	0.00	0.00	6,531.1	1,631.1	523.3	-691.7	2.00	-2.00	0.00	180.00	
6,638.3	0.00	0.00	6,561.1	1,661.1	523.3	-691.7	0.00	0.00	0.00	0.00	KOP - MLD 10 (P3)
7,538.2	90.00	89.28	7,134.0	2,234.0	530.4	-118.8	10.00	10.00	9.92	89.28	HZ LP - MLD 10 (P:
11,942.5	90.00	89.29	7,134.0	2,234.0	585.5	4,285.2	0.00	0.00	0.00	142.34	BHL - MLD 10 (P3)

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Site:	NW NW SEC. 22 T4N R68W 6th P.M.	**North Reference:**	True
Well:	MLD 10	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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)
SHL: 802ft FNL & 576ft FWL of Sec 22										
0.0	***0.00***	***0.00***	***0.0***	***4,900.00***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
100.0	0.00	0.00	100.0	4,800.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,700.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,600.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,500.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,400.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,300.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,200.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,100.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,000.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,900.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,800.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,700.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,600.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
1,350.0	***0.00***	***0.00***	***1,350.0***	***3,550.00***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
1,400.0	1.00	307.11	1,400.0	3,500.00	0.3	-0.3	-0.3	2.00	2.00	0.00
1,500.0	3.00	307.11	1,499.9	3,400.07	2.4	-3.1	-2.8	2.00	2.00	0.00
1,600.0	5.00	307.11	1,599.7	3,300.32	6.6	-8.7	-7.7	2.00	2.00	0.00
1,700.0	7.00	307.11	1,699.1	3,200.87	12.9	-17.0	-15.1	2.00	2.00	0.00
1,800.0	9.00	307.11	1,798.2	3,101.85	21.3	-28.1	-25.0	2.00	2.00	0.00
EOB TO 10.56° INC										
1,878.1	***10.56***	***307.11***	***1,875.1***	***3,024.89***	***29.3***	***-38.7***	***-34.4***	***2.00***	***2.00***	***0.00***
1,900.0	10.56	307.11	1,896.6	3,003.36	31.7	-41.9	-37.2	0.00	0.00	0.00
2,000.0	10.56	307.11	1,994.9	2,905.05	42.8	-56.5	-50.2	0.00	0.00	0.00
2,100.0	10.56	307.11	2,093.3	2,806.75	53.8	-71.1	-63.2	0.00	0.00	0.00
2,200.0	10.56	307.11	2,191.6	2,708.44	64.9	-85.8	-76.2	0.00	0.00	0.00
2,300.0	10.56	307.11	2,289.9	2,610.13	75.9	-100.4	-89.2	0.00	0.00	0.00
2,400.0	10.56	307.11	2,388.2	2,511.83	87.0	-115.0	-102.2	0.00	0.00	0.00
2,500.0	10.56	307.11	2,486.5	2,413.52	98.1	-129.6	-115.2	0.00	0.00	0.00
2,600.0	10.56	307.11	2,584.8	2,315.22	109.1	-144.2	-128.1	0.00	0.00	0.00
2,700.0	10.56	307.11	2,683.1	2,216.91	120.2	-158.9	-141.1	0.00	0.00	0.00
2,800.0	10.56	307.11	2,781.4	2,118.61	131.2	-173.5	-154.1	0.00	0.00	0.00
2,900.0	10.56	307.11	2,879.7	2,020.30	142.3	-188.1	-167.1	0.00	0.00	0.00
3,000.0	10.56	307.11	2,978.0	1,921.99	153.4	-202.7	-180.1	0.00	0.00	0.00
3,100.0	10.56	307.11	3,076.3	1,823.69	164.4	-217.3	-193.1	0.00	0.00	0.00
3,200.0	10.56	307.11	3,174.6	1,725.38	175.5	-231.9	-206.1	0.00	0.00	0.00
PARKMAN										
3,293.0	***10.56***	***307.11***	***3,266.0***	***1,634.00***	***185.7***	***-245.5***	***-218.1***	***0.00***	***0.00***	***0.00***
3,300.0	10.56	307.11	3,272.9	1,627.08	186.5	-246.6	-219.0	0.00	0.00	0.00
3,400.0	10.56	307.11	3,371.2	1,528.77	197.6	-261.2	-232.0	0.00	0.00	0.00
3,500.0	10.56	307.11	3,469.5	1,430.47	208.6	-275.8	-245.0	0.00	0.00	0.00
3,600.0	10.56	307.11	3,567.8	1,332.16	219.7	-290.4	-258.0	0.00	0.00	0.00
3,700.0	10.56	307.11	3,666.1	1,233.85	230.8	-305.0	-271.0	0.00	0.00	0.00
3,800.0	10.56	307.11	3,764.5	1,135.55	241.8	-319.7	-284.0	0.00	0.00	0.00
3,900.0	10.56	307.11	3,862.8	1,037.24	252.9	-334.3	-297.0	0.00	0.00	0.00
SUSSEX										
3,949.1	***10.56***	***307.11***	***3,911.0***	***989.00***	***258.3***	***-341.5***	***-303.3***	***0.00***	***0.00***	***0.00***
4,000.0	10.56	307.11	3,961.1	938.94	263.9	-348.9	-310.0	0.00	0.00	0.00
4,100.0	10.56	307.11	4,059.4	840.63	275.0	-363.5	-322.9	0.00	0.00	0.00
4,200.0	10.56	307.11	4,157.7	742.33	286.1	-378.1	-335.9	0.00	0.00	0.00
4,300.0	10.56	307.11	4,256.0	644.02	297.1	-392.8	-348.9	0.00	0.00	0.00

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Site:	NW NW SEC. 22 T4N R68W 6th P.M.	**North Reference:**	True
Well:	MLD 10	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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)
SHANNON										
4,355.0	***10.56***	***307.11***	***4,310.0***	***590.00***	***303.2***	***-400.8***	***-356.1***	***0.00***	***0.00***	***0.00***
4,400.0	10.56	307.11	4,354.3	545.71	308.2	-407.4	-361.9	0.00	0.00	0.00
4,500.0	10.56	307.11	4,452.6	447.41	319.2	-422.0	-374.9	0.00	0.00	0.00
4,600.0	10.56	307.11	4,550.9	349.10	330.3	-436.6	-387.9	0.00	0.00	0.00
4,700.0	10.56	307.11	4,649.2	250.80	341.4	-451.2	-400.9	0.00	0.00	0.00
4,800.0	10.56	307.11	4,747.5	152.49	352.4	-465.8	-413.9	0.00	0.00	0.00
4,900.0	10.56	307.11	4,845.8	54.19	363.5	-480.5	-426.8	0.00	0.00	0.00
5,000.0	10.56	307.11	4,944.1	-44.12	374.5	-495.1	-439.8	0.00	0.00	0.00
5,100.0	10.56	307.11	5,042.4	-142.42	385.6	-509.7	-452.8	0.00	0.00	0.00
5,200.0	10.56	307.11	5,140.7	-240.73	396.6	-524.3	-465.8	0.00	0.00	0.00
5,300.0	10.56	307.11	5,239.0	-339.04	407.7	-538.9	-478.8	0.00	0.00	0.00
5,400.0	10.56	307.11	5,337.3	-437.34	418.8	-553.6	-491.8	0.00	0.00	0.00
5,500.0	10.56	307.11	5,435.6	-535.65	429.8	-568.2	-504.8	0.00	0.00	0.00
5,600.0	10.56	307.11	5,534.0	-633.95	440.9	-582.8	-517.7	0.00	0.00	0.00
5,700.0	10.56	307.11	5,632.3	-732.26	451.9	-597.4	-530.7	0.00	0.00	0.00
5,800.0	10.56	307.11	5,730.6	-830.56	463.0	-612.0	-543.7	0.00	0.00	0.00
5,900.0	10.56	307.11	5,828.9	-928.87	474.1	-626.6	-556.7	0.00	0.00	0.00
6,000.0	10.56	307.11	5,927.2	-1,027.18	485.1	-641.3	-569.7	0.00	0.00	0.00
END OF TANGENT										
6,080.2	***10.56***	***307.11***	***6,006.0***	***-1,106.02***	***494.0***	***-653.0***	***-580.1***	***0.00***	***0.00***	***0.00***
6,100.0	10.17	307.11	6,025.5	-1,125.49	496.1	-655.8	-582.6	2.00	-2.00	0.00
6,200.0	8.17	307.11	6,124.2	-1,224.21	505.7	-668.5	-593.9	2.00	-2.00	0.00
6,300.0	6.17	307.11	6,223.4	-1,323.43	513.3	-678.5	-602.8	2.00	-2.00	0.00
6,400.0	4.17	307.11	6,323.0	-1,423.02	518.7	-685.7	-609.1	2.00	-2.00	0.00
6,500.0	2.17	307.11	6,422.9	-1,522.86	522.0	-690.1	-613.0	2.00	-2.00	0.00
6,600.0	0.17	307.11	6,522.8	-1,622.83	523.3	-691.7	-614.5	2.00	-2.00	0.00
EOD TO VERTICAL										
6,608.3	***0.00***	***0.00***	***6,531.1***	***-1,631.13***	***523.3***	***-691.7***	***-614.5***	***1.99***	***-1.99***	***0.00***
KOP (10°/100ft BUR)										
6,638.3	***0.00***	***0.00***	***6,561.1***	***-1,661.13***	***523.3***	***-691.7***	***-614.5***	***0.00***	***0.00***	***0.00***
6,700.0	6.17	89.28	6,622.7	-1,722.71	523.3	-688.4	-611.2	10.01	10.01	0.00
6,800.0	16.17	89.28	6,720.7	-1,820.69	523.5	-669.0	-592.0	10.00	10.00	0.00
NIOBRARA										
6,873.7	***23.55***	***89.28***	***6,790.0***	***-1,890.00***	***523.9***	***-644.0***	***-567.1***	***10.00***	***10.00***	***0.00***
6,900.0	26.18	89.28	6,813.8	-1,913.82	524.0	-632.9	-556.2	10.00	10.00	0.00
7,000.0	36.18	89.28	6,899.3	-1,999.27	524.6	-581.2	-504.9	10.00	10.00	0.00
7,100.0	46.18	89.28	6,974.4	-2,074.44	525.5	-515.5	-439.6	10.00	10.00	0.00
7,200.0	56.18	89.28	7,037.1	-2,137.05	526.4	-437.7	-362.4	10.00	10.00	0.00
7,300.0	66.18	89.28	7,085.2	-2,185.20	527.5	-350.2	-275.6	10.00	10.00	0.00
7,400.0	76.18	89.28	7,117.4	-2,217.42	528.7	-255.7	-181.7	10.00	10.00	0.00
CODELL										
7,431.0	***79.28***	***89.28***	***7,124.0***	***-2,224.00***	***529.1***	***-225.4***	***-151.7***	***10.00***	***10.00***	***0.00***
7,500.0	86.18	89.28	7,132.7	-2,232.73	530.0	-157.0	-83.8	10.00	10.00	0.00
HZ LP (P3): 270ft FNL & 460ft FWL of Sec 22										
7,538.2	***90.00***	***89.28***	***7,134.0***	***-2,234.00***	***530.4***	***-118.8***	***-45.9***	***10.00***	***10.00***	***0.00***
7,600.0	90.00	89.28	7,134.0	-2,234.00	531.2	-57.0	15.4	0.00	0.00	0.00
7,700.0	90.00	89.28	7,134.0	-2,233.99	532.5	43.0	114.7	0.00	0.00	0.00
7,800.0	90.00	89.28	7,134.0	-2,233.99	533.7	143.0	213.9	0.00	0.00	0.00
7,900.0	90.00	89.28	7,134.0	-2,233.99	535.0	243.0	313.1	0.00	0.00	0.00
8,000.0	90.00	89.28	7,134.0	-2,233.99	536.2	343.0	412.4	0.00	0.00	0.00
8,100.0	90.00	89.28	7,134.0	-2,233.98	537.5	442.9	511.6	0.00	0.00	0.00
8,200.0	90.00	89.28	7,134.0	-2,233.98	538.7	542.9	610.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well MLD 10
Company:	EXTRACTION OIL & GAS	**TVD Reference:**	KB-EST @ 4900.0usft
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4900.0usft
Site:	NW NW SEC. 22 T4N R68W 6th P.M.	**North Reference:**	True
Well:	MLD 10	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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)
8,300.0	90.00	89.28	7,134.0	-2,233.98	540.0	642.9	710.1	0.00	0.00	0.00
8,400.0	90.00	89.28	7,134.0	-2,233.98	541.2	742.9	809.3	0.00	0.00	0.00
8,500.0	90.00	89.28	7,134.0	-2,233.97	542.5	842.9	908.6	0.00	0.00	0.00
8,600.0	90.00	89.28	7,134.0	-2,233.97	543.7	942.9	1,007.8	0.00	0.00	0.00
8,700.0	90.00	89.28	7,134.0	-2,233.97	545.0	1,042.9	1,107.1	0.00	0.00	0.00
8,800.0	90.00	89.28	7,134.0	-2,233.97	546.2	1,142.9	1,206.3	0.00	0.00	0.00
8,900.0	90.00	89.28	7,134.0	-2,233.97	547.5	1,242.9	1,305.5	0.00	0.00	0.00
9,000.0	90.00	89.28	7,134.0	-2,233.97	548.7	1,342.9	1,404.8	0.00	0.00	0.00
9,100.0	90.00	89.28	7,134.0	-2,233.96	550.0	1,442.9	1,504.0	0.00	0.00	0.00
9,200.0	90.00	89.28	7,134.0	-2,233.96	551.2	1,542.9	1,603.3	0.00	0.00	0.00
9,300.0	90.00	89.28	7,134.0	-2,233.96	552.5	1,642.8	1,702.5	0.00	0.00	0.00
9,400.0	90.00	89.28	7,134.0	-2,233.96	553.7	1,742.8	1,801.8	0.00	0.00	0.00
9,500.0	90.00	89.28	7,134.0	-2,233.96	555.0	1,842.8	1,901.0	0.00	0.00	0.00
9,600.0	90.00	89.28	7,134.0	-2,233.96	556.2	1,942.8	2,000.2	0.00	0.00	0.00
9,700.0	90.00	89.28	7,134.0	-2,233.96	557.5	2,042.8	2,099.5	0.00	0.00	0.00
9,800.0	90.00	89.28	7,134.0	-2,233.96	558.7	2,142.8	2,198.7	0.00	0.00	0.00
9,900.0	90.00	89.28	7,134.0	-2,233.96	560.0	2,242.8	2,298.0	0.00	0.00	0.00
10,000.0	90.00	89.28	7,134.0	-2,233.96	561.2	2,342.8	2,397.2	0.00	0.00	0.00
10,100.0	90.00	89.28	7,134.0	-2,233.96	562.5	2,442.8	2,496.4	0.00	0.00	0.00
10,200.0	90.00	89.28	7,134.0	-2,233.96	563.7	2,542.8	2,595.7	0.00	0.00	0.00
10,300.0	90.00	89.28	7,134.0	-2,233.96	565.0	2,642.8	2,694.9	0.00	0.00	0.00
10,400.0	90.00	89.28	7,134.0	-2,233.97	566.2	2,742.8	2,794.2	0.00	0.00	0.00
10,500.0	90.00	89.28	7,134.0	-2,233.97	567.5	2,842.8	2,893.4	0.00	0.00	0.00
10,600.0	90.00	89.28	7,134.0	-2,233.97	568.7	2,942.7	2,992.6	0.00	0.00	0.00
10,700.0	90.00	89.28	7,134.0	-2,233.97	570.0	3,042.7	3,091.9	0.00	0.00	0.00
10,800.0	90.00	89.29	7,134.0	-2,233.97	571.2	3,142.7	3,191.1	0.00	0.00	0.00
10,900.0	90.00	89.29	7,134.0	-2,233.97	572.5	3,242.7	3,290.4	0.00	0.00	0.00
11,000.0	90.00	89.29	7,134.0	-2,233.97	573.7	3,342.7	3,389.6	0.00	0.00	0.00
11,100.0	90.00	89.29	7,134.0	-2,233.98	574.9	3,442.7	3,488.8	0.00	0.00	0.00
11,200.0	90.00	89.29	7,134.0	-2,233.98	576.2	3,542.7	3,588.1	0.00	0.00	0.00
11,300.0	90.00	89.29	7,134.0	-2,233.98	577.4	3,642.7	3,687.3	0.00	0.00	0.00
11,400.0	90.00	89.29	7,134.0	-2,233.98	578.7	3,742.7	3,786.6	0.00	0.00	0.00
11,500.0	90.00	89.29	7,134.0	-2,233.99	579.9	3,842.7	3,885.8	0.00	0.00	0.00
11,600.0	90.00	89.29	7,134.0	-2,233.99	581.2	3,942.7	3,985.1	0.00	0.00	0.00
11,700.0	90.00	89.29	7,134.0	-2,233.99	582.4	4,042.7	4,084.3	0.00	0.00	0.00
11,800.0	90.00	89.29	7,134.0	-2,234.00	583.7	4,142.7	4,183.5	0.00	0.00	0.00
11,900.0	90.00	89.29	7,134.0	-2,234.00	584.9	4,242.6	4,282.8	0.00	0.00	0.00
BHL (P3): 270ft FNL & 460ft FEL of Sec 22										
11,942.5	***90.00***	***89.29***	***7,134.0***	***-2,234.00***	***585.5***	***4,285.1***	***4,325.0***	***0.00***	***0.00***	***0.00***

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,293.0	3,266.0	PARKMAN		0.00	
3,949.1	3,911.0	SUSSEX		0.00	
4,355.0	4,310.0	SHANNON		0.00	
6,873.7	6,790.0	NIOBRARA		0.00	
7,431.0	7,124.0	CODELL		0.00	

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well MLD 10
Company:	EXTRACTION OIL & GAS	**TVD Reference:**	KB-EST @ 4900.0usft
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4900.0usft
Site:	NW NW SEC. 22 T4N R68W 6th P.M.	**North Reference:**	True
Well:	MLD 10	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
0.0	0.0	0.0	0.0	SHL: 802ft FNL & 576ft FWL of Sec 22
1,350.0	1,350.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,878.1	1,875.1	29.3	-38.7	EOB TO 10.56° INC
6,080.2	6,006.0	494.0	-653.0	END OF TANGENT
6,608.3	6,531.1	523.3	-691.7	EOD TO VERTICAL
6,638.3	6,561.1	523.3	-691.7	KOP (10°/100ft BUR)
7,538.2	7,134.0	530.4	-118.8	HZ LP (P3): 270ft FNL & 460ft FWL of Sec 22
11,942.5	7,134.0	585.5	4,285.1	BHL (P3): 270ft FNL & 460ft FEL of Sec 22