

EXTRACTION OIL & GAS

Weld County

Sec 3-T4N-R68W

JESSER 3E-10-10N

ORIGINAL WELLBORE

Plan: PROPOSAL 1

Standard Planning Report

25 May, 2017



Project: Weld County
Site: Sec 3-T4N-R68W
Well: JESSER 3E-10-10N
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL 1



Azimuths to True North
Magnetic North: 8.34°

Magnetic Field
Strength: 52349.7nT
Dip Angle: 66.77°
Date: 5/1/2017
Model: IGRF2015

WELL DETAILS: JESSER 3E-10-10N

+N/-S	+E/-W	Northing	Easting	5111.0	Latitude	Longitude	Slot
0.0	0.0	1367720.69	3140131.82	40° 20' 30.134 N	104° 59' 50.215 W		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1850.0	0.00	0.00	1850.0	0.0	0.0	0.00	0.00	0.0	
3	2288.7	8.77	269.01	2287.0	-0.6	-33.5	2.00	269.01	-33.5	
4	6280.1	8.77	269.01	6231.6	-11.1	-642.3	0.00	0.00	-642.4	
5	7267.8	90.00	89.34	6892.0	-5.1	-76.1	10.00	-179.67	-76.1	JESSE
6	11752.6	90.00	89.34	6892.0	46.7	4408.4	0.00	0.00	4408.7	JESSE

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1850.0	0.00	0.00	1850.0	0.0	0.0	0.0	0.0	BUILD 2°/100'
2288.7	8.77	269.01	2287.0	-0.6	-33.5	-33.5	33.5	HOLD 8.77° INC
6280.1	8.77	269.01	6231.6	-11.1	-642.3	-642.4	642.4	KOP, BUILD 10°/100'
7267.8	90.00	89.34	6892.0	-5.1	-76.1	-76.1	1223.1	LP @ 90° INC
11752.6	90.00	89.34	6892.0	46.7	4408.4	4408.7	5707.9	TD at 11752.6' MD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
JESSER 3E-10-10N LP	6892.0	-5.1	-76.1	1367715.16	3140055.75	40° 20' 30.084 N	104° 59' 51.198 W	Point
- plan hits target center								
JESSER 3E-10-10N PBHL	6892.0	46.7	4408.4	1367792.34	3144539.90	40° 20' 30.592 N	104° 58' 53.281 W	Point
- plan hits target center								

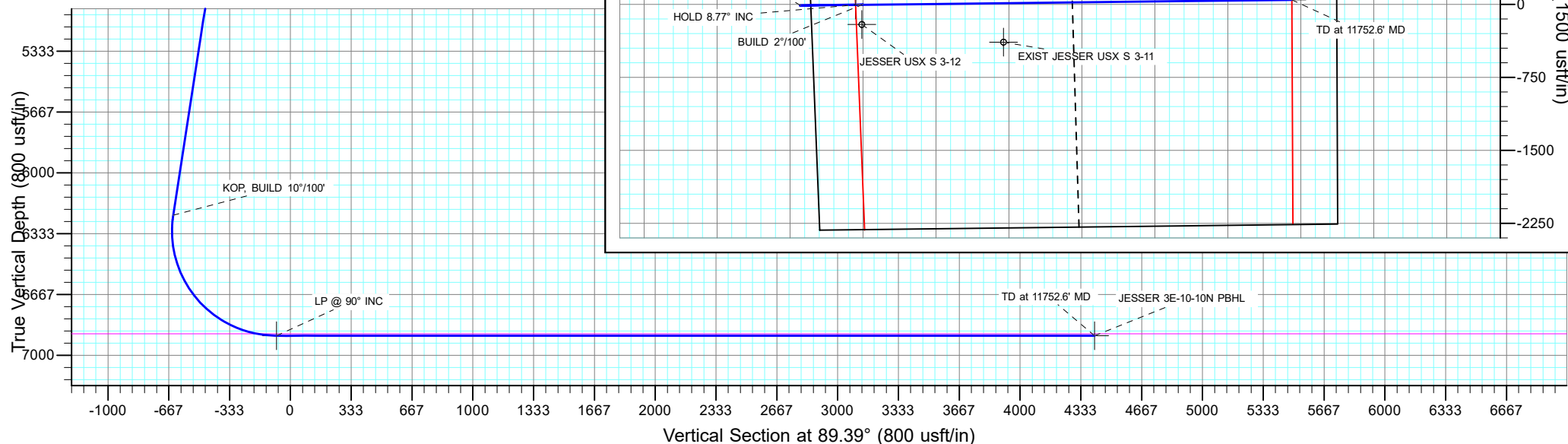
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3489.0	3504.9	PARKMAN
4026.0	4048.3	SUSSEX
4520.0	4548.2	SHANNON
6882.0	7160.6	NIOBRARA A

PROJECT DETAILS: Weld County

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

SHL:
2314' FSL, 536' FWL
Sec 3-T4N-R68W
LP:
2310' FSL, 460' FWL
Sec 3-T4N-R68W
BHL:
2310' FSL, 460' FEL
Sec 3-T4N-R68W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well JESSER 3E-10-10N
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB 25' @ 5136.0usft
Project:	Weld County	MD Reference:	KB 25' @ 5136.0usft
Site:	Sec 3-T4N-R68W	North Reference:	True
Well:	JESSER 3E-10-10N	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL 1		

Project	Weld County		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec 3-T4N-R68W			
Site Position:		Northing:	1,365,399.13 usft	Latitude:	40° 20' 7.217 N
From:	Lat/Long	Easting:	3,139,700.88 usft	Longitude:	104° 59' 55.950 W
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in	Grid Convergence:	0.32 °

Well	JESSER 3E-10-10N					
Well Position	+N/-S	2,319.1 usft	Northing:	1,367,720.69 usft	Latitude:	40° 20' 30.134 N
	+E/-W	444.0 usft	Easting:	3,140,131.82 usft	Longitude:	104° 59' 50.215 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	5,111.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/1/2017	8.34	66.77	52,349.67412809

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 (°)
	0.0	0.0	0.0	89.39

Plan Survey Tool Program			Date	5/25/2017	
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	11,752.6	PROPOSAL 1 (ORIGINAL WELL	MWD OWSG	
			OWSG MWD - Standard		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,288.7	8.77	269.01	2,287.0	-0.6	-33.5	2.00	2.00	0.00	269.01	
6,280.1	8.77	269.01	6,231.6	-11.1	-642.3	0.00	0.00	0.00	0.00	
7,267.8	90.00	89.34	6,892.0	-5.1	-76.1	10.00	8.22	-18.19	-179.67	JESSER 3E-10-10N L
11,752.6	90.00	89.34	6,892.0	46.7	4,408.4	0.00	0.00	0.00	0.00	JESSER 3E-10-10N F

Planning Report

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Company:	EXTRACTION OIL & GAS	TVD Reference:	KB 25' @ 5136.0usft
Project:	Weld County	MD Reference:	KB 25' @ 5136.0usft
Site:	Sec 3-T4N-R68W	North Reference:	True
Well:	JESSER 3E-10-10N	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.0	0.00	0.00	0.00
BUILD 2°/100'									
1,900.0	1.00	269.01	1,900.0	0.0	-0.4	-0.4	2.00	2.00	0.00
2,000.0	3.00	269.01	1,999.9	-0.1	-3.9	-3.9	2.00	2.00	0.00
2,100.0	5.00	269.01	2,099.7	-0.2	-10.9	-10.9	2.00	2.00	0.00
2,200.0	7.00	269.01	2,199.1	-0.4	-21.4	-21.4	2.00	2.00	0.00
2,288.7	8.77	269.01	2,287.0	-0.6	-33.5	-33.5	2.00	2.00	0.00
HOLD 8.77° INC									
2,300.0	8.77	269.01	2,298.2	-0.6	-35.2	-35.2	0.00	0.00	0.00
2,400.0	8.77	269.01	2,397.0	-0.9	-50.5	-50.5	0.00	0.00	0.00
2,500.0	8.77	269.01	2,495.8	-1.1	-65.7	-65.8	0.00	0.00	0.00
2,600.0	8.77	269.01	2,594.6	-1.4	-81.0	-81.0	0.00	0.00	0.00
2,700.0	8.77	269.01	2,693.5	-1.7	-96.3	-96.3	0.00	0.00	0.00
2,800.0	8.77	269.01	2,792.3	-1.9	-111.5	-111.5	0.00	0.00	0.00
2,900.0	8.77	269.01	2,891.1	-2.2	-126.8	-126.8	0.00	0.00	0.00
3,000.0	8.77	269.01	2,990.0	-2.4	-142.0	-142.0	0.00	0.00	0.00
3,100.0	8.77	269.01	3,088.8	-2.7	-157.3	-157.3	0.00	0.00	0.00
3,200.0	8.77	269.01	3,187.6	-3.0	-172.5	-172.5	0.00	0.00	0.00
3,300.0	8.77	269.01	3,286.5	-3.2	-187.8	-187.8	0.00	0.00	0.00
3,400.0	8.77	269.01	3,385.3	-3.5	-203.0	-203.1	0.00	0.00	0.00
3,500.0	8.77	269.01	3,484.1	-3.8	-218.3	-218.3	0.00	0.00	0.00
3,504.9	8.77	269.01	3,489.0	-3.8	-219.0	-219.1	0.00	0.00	0.00
PARKMAN									
3,600.0	8.77	269.01	3,582.9	-4.0	-233.5	-233.6	0.00	0.00	0.00
3,700.0	8.77	269.01	3,681.8	-4.3	-248.8	-248.8	0.00	0.00	0.00
3,800.0	8.77	269.01	3,780.6	-4.5	-264.0	-264.1	0.00	0.00	0.00
3,900.0	8.77	269.01	3,879.4	-4.8	-279.3	-279.3	0.00	0.00	0.00
4,000.0	8.77	269.01	3,978.3	-5.1	-294.5	-294.6	0.00	0.00	0.00
4,048.3	8.77	269.01	4,026.0	-5.2	-301.9	-301.9	0.00	0.00	0.00
SUSSEX									
4,100.0	8.77	269.01	4,077.1	-5.3	-309.8	-309.8	0.00	0.00	0.00
4,200.0	8.77	269.01	4,175.9	-5.6	-325.0	-325.1	0.00	0.00	0.00
4,300.0	8.77	269.01	4,274.7	-5.9	-340.3	-340.3	0.00	0.00	0.00
4,400.0	8.77	269.01	4,373.6	-6.1	-355.6	-355.6	0.00	0.00	0.00

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Project:	Weld County	MD Reference:	KB 25' @ 5136.0usft
Site:	Sec 3-T4N-R68W	North Reference:	True
Well:	JESSER 3E-10-10N	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,500.0	8.77	269.01	4,472.4	-6.4	-370.8	-370.9	0.00	0.00	0.00
4,548.2	8.77	269.01	4,520.0	-6.5	-378.2	-378.2	0.00	0.00	0.00
SHANNON									
4,600.0	8.77	269.01	4,571.2	-6.6	-386.1	-386.1	0.00	0.00	0.00
4,700.0	8.77	269.01	4,670.1	-6.9	-401.3	-401.4	0.00	0.00	0.00
4,800.0	8.77	269.01	4,768.9	-7.2	-416.6	-416.6	0.00	0.00	0.00
4,900.0	8.77	269.01	4,867.7	-7.4	-431.8	-431.9	0.00	0.00	0.00
5,000.0	8.77	269.01	4,966.6	-7.7	-447.1	-447.1	0.00	0.00	0.00
5,100.0	8.77	269.01	5,065.4	-8.0	-462.3	-462.4	0.00	0.00	0.00
5,200.0	8.77	269.01	5,164.2	-8.2	-477.6	-477.6	0.00	0.00	0.00
5,300.0	8.77	269.01	5,263.0	-8.5	-492.8	-492.9	0.00	0.00	0.00
5,400.0	8.77	269.01	5,361.9	-8.7	-508.1	-508.1	0.00	0.00	0.00
5,500.0	8.77	269.01	5,460.7	-9.0	-523.3	-523.4	0.00	0.00	0.00
5,600.0	8.77	269.01	5,559.5	-9.3	-538.6	-538.7	0.00	0.00	0.00
5,700.0	8.77	269.01	5,658.4	-9.5	-553.8	-553.9	0.00	0.00	0.00
5,800.0	8.77	269.01	5,757.2	-9.8	-569.1	-569.2	0.00	0.00	0.00
5,900.0	8.77	269.01	5,856.0	-10.1	-584.3	-584.4	0.00	0.00	0.00
6,000.0	8.77	269.01	5,954.8	-10.3	-599.6	-599.7	0.00	0.00	0.00
6,100.0	8.77	269.01	6,053.7	-10.6	-614.9	-614.9	0.00	0.00	0.00
6,200.0	8.77	269.01	6,152.5	-10.8	-630.1	-630.2	0.00	0.00	0.00
6,280.1	8.77	269.01	6,231.6	-11.1	-642.3	-642.4	0.00	0.00	0.00
KOP, BUILD 10°/100'									
6,300.0	6.78	268.92	6,251.4	-11.1	-645.0	-645.1	10.00	-10.00	-0.49
6,350.0	1.78	267.73	6,301.2	-11.2	-648.7	-648.8	10.00	-10.00	-2.38
6,400.0	3.22	90.23	6,351.2	-11.2	-648.1	-648.2	10.00	2.87	-355.00
6,450.0	8.22	89.69	6,400.9	-11.2	-643.1	-643.2	10.00	10.00	-1.09
6,500.0	13.22	89.55	6,450.1	-11.1	-633.8	-633.9	10.00	10.00	-0.27
6,550.0	18.22	89.49	6,498.2	-11.0	-620.3	-620.4	10.00	10.00	-0.12
6,600.0	23.22	89.46	6,544.9	-10.9	-602.6	-602.7	10.00	10.00	-0.07
6,650.0	28.22	89.43	6,590.0	-10.7	-580.9	-581.0	10.00	10.00	-0.05
6,700.0	33.22	89.42	6,632.9	-10.4	-555.4	-555.5	10.00	10.00	-0.03
6,750.0	38.22	89.40	6,673.5	-10.1	-526.2	-526.3	10.00	10.00	-0.03
6,800.0	43.22	89.39	6,711.4	-9.8	-493.6	-493.7	10.00	10.00	-0.02
6,850.0	48.22	89.38	6,746.3	-9.4	-457.8	-457.9	10.00	10.00	-0.02
6,900.0	53.22	89.38	6,777.9	-9.0	-419.1	-419.2	10.00	10.00	-0.01
6,950.0	58.22	89.37	6,806.1	-8.5	-377.8	-377.9	10.00	10.00	-0.01
7,000.0	63.22	89.36	6,830.5	-8.0	-334.2	-334.3	10.00	10.00	-0.01
7,050.0	68.22	89.36	6,851.1	-7.5	-288.7	-288.8	10.00	10.00	-0.01
7,100.0	73.22	89.35	6,867.6	-7.0	-241.5	-241.6	10.00	10.00	-0.01
7,150.0	78.22	89.35	6,879.9	-6.4	-193.1	-193.1	10.00	10.00	-0.01
7,160.6	79.28	89.35	6,882.0	-6.3	-182.7	-182.7	10.00	10.00	-0.01
NIOBRARA A									
7,200.0	83.22	89.34	6,888.0	-5.9	-143.7	-143.8	10.00	10.00	-0.01
7,250.0	88.22	89.34	6,891.7	-5.3	-93.9	-94.0	10.00	10.00	-0.01
7,267.8	90.00	89.34	6,892.0	-5.1	-76.1	-76.1	10.00	10.00	-0.01
LP @ 90° INC									
7,300.0	90.00	89.34	6,892.0	-4.7	-43.9	-44.0	0.00	0.00	0.00
7,400.0	90.00	89.34	6,892.0	-3.6	56.1	56.0	0.00	0.00	0.00
7,500.0	90.00	89.34	6,892.0	-2.4	156.1	156.0	0.00	0.00	0.00
7,600.0	90.00	89.34	6,892.0	-1.3	256.1	256.0	0.00	0.00	0.00
7,700.0	90.00	89.34	6,892.0	-0.1	356.1	356.0	0.00	0.00	0.00
7,800.0	90.00	89.34	6,892.0	1.0	456.1	456.0	0.00	0.00	0.00
7,900.0	90.00	89.34	6,892.0	2.2	556.0	556.0	0.00	0.00	0.00

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Company:	EXTRACTION OIL & GAS	TVD Reference:	KB 25' @ 5136.0usft
Project:	Weld County	MD Reference:	KB 25' @ 5136.0usft
Site:	Sec 3-T4N-R68W	North Reference:	True
Well:	JESSER 3E-10-10N	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,000.0	90.00	89.34	6,892.0	3.4	656.0	656.0	0.00	0.00	0.00	
8,100.0	90.00	89.34	6,892.0	4.5	756.0	756.0	0.00	0.00	0.00	
8,200.0	90.00	89.34	6,892.0	5.7	856.0	856.0	0.00	0.00	0.00	
8,300.0	90.00	89.34	6,892.0	6.8	956.0	956.0	0.00	0.00	0.00	
8,400.0	90.00	89.34	6,892.0	8.0	1,056.0	1,056.0	0.00	0.00	0.00	
8,500.0	90.00	89.34	6,892.0	9.1	1,156.0	1,156.0	0.00	0.00	0.00	
8,600.0	90.00	89.34	6,892.0	10.3	1,256.0	1,256.0	0.00	0.00	0.00	
8,700.0	90.00	89.34	6,892.0	11.4	1,356.0	1,356.0	0.00	0.00	0.00	
8,800.0	90.00	89.34	6,892.0	12.6	1,456.0	1,456.0	0.00	0.00	0.00	
8,900.0	90.00	89.34	6,892.0	13.7	1,556.0	1,556.0	0.00	0.00	0.00	
9,000.0	90.00	89.34	6,892.0	14.9	1,656.0	1,656.0	0.00	0.00	0.00	
9,100.0	90.00	89.34	6,892.0	16.0	1,756.0	1,756.0	0.00	0.00	0.00	
9,200.0	90.00	89.34	6,892.0	17.2	1,856.0	1,856.0	0.00	0.00	0.00	
9,300.0	90.00	89.34	6,892.0	18.4	1,956.0	1,956.0	0.00	0.00	0.00	
9,400.0	90.00	89.34	6,892.0	19.5	2,055.9	2,056.0	0.00	0.00	0.00	
9,500.0	90.00	89.34	6,892.0	20.7	2,155.9	2,156.0	0.00	0.00	0.00	
9,600.0	90.00	89.34	6,892.0	21.8	2,255.9	2,256.0	0.00	0.00	0.00	
9,700.0	90.00	89.34	6,892.0	23.0	2,355.9	2,356.0	0.00	0.00	0.00	
9,800.0	90.00	89.34	6,892.0	24.1	2,455.9	2,456.0	0.00	0.00	0.00	
9,900.0	90.00	89.34	6,892.0	25.3	2,555.9	2,556.0	0.00	0.00	0.00	
10,000.0	90.00	89.34	6,892.0	26.4	2,655.9	2,656.0	0.00	0.00	0.00	
10,100.0	90.00	89.34	6,892.0	27.6	2,755.9	2,756.0	0.00	0.00	0.00	
10,200.0	90.00	89.34	6,892.0	28.7	2,855.9	2,856.0	0.00	0.00	0.00	
10,300.0	90.00	89.34	6,892.0	29.9	2,955.9	2,956.0	0.00	0.00	0.00	
10,400.0	90.00	89.34	6,892.0	31.1	3,055.9	3,056.0	0.00	0.00	0.00	
10,500.0	90.00	89.34	6,892.0	32.2	3,155.9	3,156.0	0.00	0.00	0.00	
10,600.0	90.00	89.34	6,892.0	33.4	3,255.9	3,256.0	0.00	0.00	0.00	
10,700.0	90.00	89.34	6,892.0	34.5	3,355.9	3,356.0	0.00	0.00	0.00	
10,800.0	90.00	89.34	6,892.0	35.7	3,455.9	3,456.0	0.00	0.00	0.00	
10,900.0	90.00	89.34	6,892.0	36.8	3,555.8	3,556.0	0.00	0.00	0.00	
11,000.0	90.00	89.34	6,892.0	38.0	3,655.8	3,656.0	0.00	0.00	0.00	
11,100.0	90.00	89.34	6,892.0	39.1	3,755.8	3,756.0	0.00	0.00	0.00	
11,200.0	90.00	89.34	6,892.0	40.3	3,855.8	3,856.0	0.00	0.00	0.00	
11,300.0	90.00	89.34	6,892.0	41.4	3,955.8	3,956.0	0.00	0.00	0.00	
11,400.0	90.00	89.34	6,892.0	42.6	4,055.8	4,056.0	0.00	0.00	0.00	
11,500.0	90.00	89.34	6,892.0	43.7	4,155.8	4,156.0	0.00	0.00	0.00	
11,600.0	90.00	89.34	6,892.0	44.9	4,255.8	4,256.0	0.00	0.00	0.00	
11,700.0	90.00	89.34	6,892.0	46.1	4,355.8	4,356.0	0.00	0.00	0.00	
11,752.6	90.00	89.34	6,892.0	46.7	4,408.4	4,408.7	0.00	0.00	0.00	
TD at 11752.6' MD										

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well JESSER 3E-10-10N
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB 25' @ 5136.0usft
Project:	Weld County	MD Reference:	KB 25' @ 5136.0usft
Site:	Sec 3-T4N-R68W	North Reference:	True
Well:	JESSER 3E-10-10N	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL 1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
JESSER 3E-10-10N PBI	0.00	0.00	6,892.0	46.7	4,408.4	1,367,792.34	3,144,539.90	40° 20' 30.592 N	104° 58' 53.281 W
- plan hits target center									
- Point									
JESSER 3E-10-10N LP	0.00	0.00	6,892.0	-5.1	-76.1	1,367,715.16	3,140,055.75	40° 20' 30.084 N	104° 59' 51.198 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
3,504.9	3,489.0	PARKMAN				
4,048.3	4,026.0	SUSSEX				
4,548.2	4,520.0	SHANNON				
7,160.6	6,882.0	NIOBRARA A				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
1,850.0	1,850.0	0.0	0.0	BUILD 2°/100'	
2,288.7	2,287.0	-0.6	-33.5	HOLD 8.77° INC	
6,280.1	6,231.6	-11.1	-642.3	KOP, BUILD 10°/100'	
7,267.8	6,892.0	-5.1	-76.1	LP @ 90° INC	
11,752.6	6,892.0	46.7	4,408.4	TD at 11752.6' MD	