

EXTRACTION OIL & GAS

Weld County

Sec 21-T5N-R65W

AD-J EVANS 5-20-24

ORIGINAL WELLBORE

Plan: PROPOSAL #1

Standard Planning Report

09 February, 2017



Project: Weld County
Site: Sec 21-T5N-R65W
Well: AD-J EVANS 5-20-24
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1



Azimuths to True North
Magnetic North: 8.28°

Magnetic Field
Strength: 52516.5nT
Dip Angle: 66.88°
Date: 5/22/2016
Model: IGRF2015

WELL DETAILS: AD-J EVANS 5-20-24

+N/-S	+E/-W	Northing	Ground Level:	4638.0	Latitude	Longitude	Slot
0.0	0.0	1383549.20	Easting	3229411.98	40° 22' 59.952 N	104° 40' 35.328 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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	909.8	10.20	345.70	907.1	43.8	-11.2	2.00	345.70	15.1	
4	6562.8	10.20	345.70	6470.9	1013.4	-258.4	0.00	0.00	349.0	
5	7437.1	90.00	270.39	7010.0	1111.1	-830.1	10.00	-75.53	927.2	HZ LANDING PNT -
6	19769.5	90.00	270.39	7010.0	1194.8	-13162.2	0.00	0.00	13216.3	BHL - AD-J EVANS

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.0	Build 2°/100'
909.8	10.20	345.70	907.1	43.8	-11.2	15.1	45.2	Hold 10.20° Inc
6562.8	10.20	345.70	6470.9	1013.4	-258.4	349.0	1045.9	KOP, Build 10°/100'
7437.1	90.00	270.39	7010.0	1111.1	-830.1	927.2	1637.1	LP @ 90° Inc, 270.39° Azm Hold
19769.5	90.00	270.39	7010.0	1194.8	-13162.2	13216.3	13969.4	TD at 19769.5' MD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
BHL - AD-J EVANS 5-20-24	7010.0	1194.8	-13162.2	1384621.68	3216239.24	40° 23' 11.724 N	104° 43' 25.428 W	Point
HZ LANDING PNT - AD-J EVANS 5-20-24	7010.0	1111.1	-830.1	1384652.57	3228571.57	40° 23' 10.932 N	104° 40' 46.056 W	Point

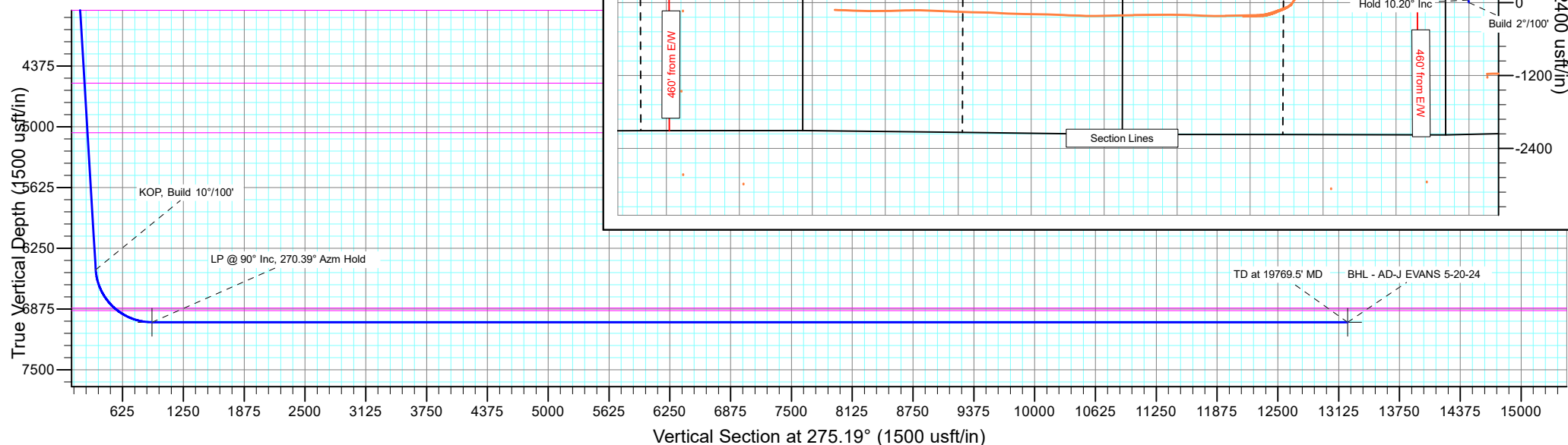
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3800.0	3849.1	PARKMAN
4550.0	4611.1	SUSSEX
5060.0	5129.3	SHANNON
6865.0	7017.1	SHARON SPRINGS
6890.0	7056.5	NIOBRARA

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:
370' FWL, 2164' FSL
Sec 21-T5N-R65W
LP:
1997' FNL, 460' FEL
Sec 20-T5N-R65W
BHL:
1997' FNL, 2217' FEL
Sec 24-T5N-R66W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well AD-J EVANS 5-20-24
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Project:	Weld County	MD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Site:	Sec 21-T5N-R65W	North Reference:	True
Well:	AD-J EVANS 5-20-24	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 21-T5N-R65W			
Site Position:		Northing:	1,383,619.20 usft	Latitude:	40° 23' 0.636 N
From:	Lat/Long	Easting:	3,229,494.91 usft	Longitude:	104° 40' 34.248 W
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in	Grid Convergence:	0.53 °

Well	AD-J EVANS 5-20-24					
Well Position	+N/-S	-69.2 usft	Northing:	1,383,549.20 usft	Latitude:	40° 22' 59.952 N
	+E/-W	-83.6 usft	Easting:	3,229,411.99 usft	Longitude:	104° 40' 35.328 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	4,638.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/22/2016	8.28	66.88	52,516.52462151

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	0.00

Plan Survey Tool Program			Date	2/9/2017	
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,769.5	PROPOSAL #1 (ORIGINAL WEL	MWD	
				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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
909.8	10.20	345.70	907.1	43.8	-11.2	2.00	2.00	0.00	345.70	
6,562.8	10.20	345.70	6,470.9	1,013.4	-258.4	0.00	0.00	0.00	0.00	
7,437.1	90.00	270.39	7,010.0	1,111.1	-830.1	10.00	9.13	-8.61	-75.53	HZ LANDING PNT - /
19,769.5	90.00	270.39	7,010.0	1,194.8	-13,162.2	0.00	0.00	0.00	0.00	BHL - AD-J EVANS 5-

Planning Report

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Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Project:	Weld County	MD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Site:	Sec 21-T5N-R65W	North Reference:	True
Well:	AD-J EVANS 5-20-24	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
Build 2°/100'									
500.0	2.00	345.70	500.0	1.7	-0.4	1.7	2.00	2.00	0.00
600.0	4.00	345.70	599.8	6.8	-1.7	6.8	2.00	2.00	0.00
700.0	6.00	345.70	699.5	15.2	-3.9	15.2	2.00	2.00	0.00
800.0	8.00	345.70	798.7	27.0	-6.9	27.0	2.00	2.00	0.00
909.8	10.20	345.70	907.1	43.8	-11.2	43.8	2.00	2.00	0.00
Hold 10.20° Inc									
1,000.0	10.20	345.70	995.9	59.3	-15.1	59.3	0.00	0.00	0.00
1,100.0	10.20	345.70	1,094.3	76.5	-19.5	76.5	0.00	0.00	0.00
1,200.0	10.20	345.70	1,192.7	93.6	-23.9	93.6	0.00	0.00	0.00
1,300.0	10.20	345.70	1,291.2	110.8	-28.2	110.8	0.00	0.00	0.00
1,400.0	10.20	345.70	1,389.6	127.9	-32.6	127.9	0.00	0.00	0.00
1,500.0	10.20	345.70	1,488.0	145.1	-37.0	145.1	0.00	0.00	0.00
1,600.0	10.20	345.70	1,586.4	162.2	-41.4	162.2	0.00	0.00	0.00
1,700.0	10.20	345.70	1,684.8	179.4	-45.7	179.4	0.00	0.00	0.00
1,800.0	10.20	345.70	1,783.3	196.5	-50.1	196.5	0.00	0.00	0.00
1,900.0	10.20	345.70	1,881.7	213.7	-54.5	213.7	0.00	0.00	0.00
2,000.0	10.20	345.70	1,980.1	230.8	-58.9	230.8	0.00	0.00	0.00
2,100.0	10.20	345.70	2,078.5	248.0	-63.2	248.0	0.00	0.00	0.00
2,200.0	10.20	345.70	2,176.9	265.1	-67.6	265.1	0.00	0.00	0.00
2,300.0	10.20	345.70	2,275.4	282.3	-72.0	282.3	0.00	0.00	0.00
2,400.0	10.20	345.70	2,373.8	299.4	-76.3	299.4	0.00	0.00	0.00
2,500.0	10.20	345.70	2,472.2	316.6	-80.7	316.6	0.00	0.00	0.00
2,600.0	10.20	345.70	2,570.6	333.7	-85.1	333.7	0.00	0.00	0.00
2,700.0	10.20	345.70	2,669.0	350.9	-89.5	350.9	0.00	0.00	0.00
2,800.0	10.20	345.70	2,767.5	368.0	-93.8	368.0	0.00	0.00	0.00
2,900.0	10.20	345.70	2,865.9	385.2	-98.2	385.2	0.00	0.00	0.00
3,000.0	10.20	345.70	2,964.3	402.4	-102.6	402.4	0.00	0.00	0.00
3,100.0	10.20	345.70	3,062.7	419.5	-107.0	419.5	0.00	0.00	0.00
3,200.0	10.20	345.70	3,161.1	436.7	-111.3	436.7	0.00	0.00	0.00
3,300.0	10.20	345.70	3,259.6	453.8	-115.7	453.8	0.00	0.00	0.00
3,400.0	10.20	345.70	3,358.0	471.0	-120.1	471.0	0.00	0.00	0.00
3,500.0	10.20	345.70	3,456.4	488.1	-124.5	488.1	0.00	0.00	0.00
3,600.0	10.20	345.70	3,554.8	505.3	-128.8	505.3	0.00	0.00	0.00
3,700.0	10.20	345.70	3,653.3	522.4	-133.2	522.4	0.00	0.00	0.00
3,800.0	10.20	345.70	3,751.7	539.6	-137.6	539.6	0.00	0.00	0.00
3,849.1	10.20	345.70	3,800.0	548.0	-139.7	548.0	0.00	0.00	0.00
PARKMAN									
3,900.0	10.20	345.70	3,850.1	556.7	-141.9	556.7	0.00	0.00	0.00
4,000.0	10.20	345.70	3,948.5	573.9	-146.3	573.9	0.00	0.00	0.00
4,100.0	10.20	345.70	4,046.9	591.0	-150.7	591.0	0.00	0.00	0.00
4,200.0	10.20	345.70	4,145.4	608.2	-155.1	608.2	0.00	0.00	0.00
4,300.0	10.20	345.70	4,243.8	625.3	-159.4	625.3	0.00	0.00	0.00
4,400.0	10.20	345.70	4,342.2	642.5	-163.8	642.5	0.00	0.00	0.00
4,500.0	10.20	345.70	4,440.6	659.6	-168.2	659.6	0.00	0.00	0.00
4,600.0	10.20	345.70	4,539.0	676.8	-172.6	676.8	0.00	0.00	0.00
4,611.1	10.20	345.70	4,550.0	678.7	-173.0	678.7	0.00	0.00	0.00
SUSSEX									

Planning Report

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Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Project:	Weld County	MD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Site:	Sec 21-T5N-R65W	North Reference:	True
Well:	AD-J EVANS 5-20-24	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)
4,700.0	10.20	345.70	4,637.5	693.9	-176.9	693.9	0.00	0.00	0.00
4,800.0	10.20	345.70	4,735.9	711.1	-181.3	711.1	0.00	0.00	0.00
4,900.0	10.20	345.70	4,834.3	728.2	-185.7	728.2	0.00	0.00	0.00
5,000.0	10.20	345.70	4,932.7	745.4	-190.1	745.4	0.00	0.00	0.00
5,100.0	10.20	345.70	5,031.1	762.5	-194.4	762.5	0.00	0.00	0.00
5,129.3	10.20	345.70	5,060.0	767.6	-195.7	767.6	0.00	0.00	0.00
SHANNON									
5,200.0	10.20	345.70	5,129.6	779.7	-198.8	779.7	0.00	0.00	0.00
5,300.0	10.20	345.70	5,228.0	796.9	-203.2	796.9	0.00	0.00	0.00
5,400.0	10.20	345.70	5,326.4	814.0	-207.5	814.0	0.00	0.00	0.00
5,500.0	10.20	345.70	5,424.8	831.2	-211.9	831.2	0.00	0.00	0.00
5,600.0	10.20	345.70	5,523.3	848.3	-216.3	848.3	0.00	0.00	0.00
5,700.0	10.20	345.70	5,621.7	865.5	-220.7	865.5	0.00	0.00	0.00
5,800.0	10.20	345.70	5,720.1	882.6	-225.0	882.6	0.00	0.00	0.00
5,900.0	10.20	345.70	5,818.5	899.8	-229.4	899.8	0.00	0.00	0.00
6,000.0	10.20	345.70	5,916.9	916.9	-233.8	916.9	0.00	0.00	0.00
6,100.0	10.20	345.70	6,015.4	934.1	-238.2	934.1	0.00	0.00	0.00
6,200.0	10.20	345.70	6,113.8	951.2	-242.5	951.2	0.00	0.00	0.00
6,300.0	10.20	345.70	6,212.2	968.4	-246.9	968.4	0.00	0.00	0.00
6,400.0	10.20	345.70	6,310.6	985.5	-251.3	985.5	0.00	0.00	0.00
6,500.0	10.20	345.70	6,409.0	1,002.7	-255.7	1,002.7	0.00	0.00	0.00
6,562.8	10.20	345.70	6,470.9	1,013.4	-258.4	1,013.4	0.00	0.00	0.00
KOP, Build 10°/100'									
6,600.0	11.69	327.64	6,507.4	1,019.8	-261.2	1,019.8	10.00	4.01	-48.57
6,650.0	14.95	311.03	6,556.0	1,028.3	-268.8	1,028.3	10.00	6.53	-33.21
6,700.0	18.98	300.78	6,603.9	1,036.7	-280.7	1,036.7	10.00	8.05	-20.51
6,750.0	23.37	294.13	6,650.5	1,045.0	-296.7	1,045.0	10.00	8.79	-13.30
6,800.0	27.96	289.52	6,695.6	1,052.9	-316.8	1,052.9	10.00	9.18	-9.21
6,850.0	32.66	286.14	6,738.7	1,060.6	-340.8	1,060.6	10.00	9.40	-6.77
6,900.0	37.43	283.53	6,779.6	1,067.9	-368.6	1,067.9	10.00	9.54	-5.22
6,950.0	42.25	281.43	6,818.0	1,074.8	-399.9	1,074.8	10.00	9.63	-4.19
7,000.0	47.10	279.69	6,853.6	1,081.2	-434.4	1,081.2	10.00	9.70	-3.48
7,017.1	48.76	279.16	6,865.0	1,083.3	-446.9	1,083.3	10.00	9.73	-3.11
SHARON SPRINGS									
7,050.0	51.97	278.21	6,886.0	1,087.1	-472.0	1,087.1	10.00	9.75	-2.89
7,056.5	52.61	278.03	6,890.0	1,087.9	-477.1	1,087.9	10.00	9.76	-2.74
NIOBRARA									
7,100.0	56.86	276.91	6,915.1	1,092.5	-512.3	1,092.5	10.00	9.78	-2.57
7,150.0	61.76	275.75	6,940.6	1,097.2	-555.0	1,097.2	10.00	9.80	-2.32
7,200.0	66.66	274.69	6,962.4	1,101.3	-599.8	1,101.3	10.00	9.82	-2.12
7,250.0	71.58	273.71	6,980.2	1,104.7	-646.4	1,104.7	10.00	9.83	-1.97
7,300.0	76.50	272.78	6,993.9	1,107.4	-694.4	1,107.4	10.00	9.84	-1.86
7,350.0	81.42	271.89	7,003.5	1,109.4	-743.4	1,109.4	10.00	9.85	-1.78
7,400.0	86.35	271.03	7,008.8	1,110.7	-793.1	1,110.7	10.00	9.85	-1.73
7,437.1	90.00	270.39	7,010.0	1,111.1	-830.1	1,111.1	10.00	9.85	-1.72
LP @ 90° Inc, 270.39° Azm Hold									
7,500.0	90.00	270.39	7,010.0	1,111.6	-893.0	1,111.6	0.00	0.00	0.00
7,600.0	90.00	270.39	7,010.0	1,112.2	-993.0	1,112.2	0.00	0.00	0.00
7,700.0	90.00	270.39	7,010.0	1,112.9	-1,093.0	1,112.9	0.00	0.00	0.00
7,800.0	90.00	270.39	7,010.0	1,113.6	-1,193.0	1,113.6	0.00	0.00	0.00
7,900.0	90.00	270.39	7,010.0	1,114.3	-1,293.0	1,114.3	0.00	0.00	0.00
8,000.0	90.00	270.39	7,010.0	1,114.9	-1,393.0	1,114.9	0.00	0.00	0.00
8,100.0	90.00	270.39	7,010.0	1,115.6	-1,493.0	1,115.6	0.00	0.00	0.00

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Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Project:	Weld County	MD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Site:	Sec 21-T5N-R65W	North Reference:	True
Well:	AD-J EVANS 5-20-24	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)	
8,200.0	90.00	270.39	7,010.0	1,116.3	-1,593.0	1,116.3	0.00	0.00	0.00	
8,300.0	90.00	270.39	7,010.0	1,117.0	-1,693.0	1,117.0	0.00	0.00	0.00	
8,400.0	90.00	270.39	7,010.0	1,117.7	-1,793.0	1,117.7	0.00	0.00	0.00	
8,500.0	90.00	270.39	7,010.0	1,118.3	-1,893.0	1,118.3	0.00	0.00	0.00	
8,600.0	90.00	270.39	7,010.0	1,119.0	-1,993.0	1,119.0	0.00	0.00	0.00	
8,700.0	90.00	270.39	7,010.0	1,119.7	-2,093.0	1,119.7	0.00	0.00	0.00	
8,800.0	90.00	270.39	7,010.0	1,120.4	-2,193.0	1,120.4	0.00	0.00	0.00	
8,900.0	90.00	270.39	7,010.0	1,121.1	-2,293.0	1,121.1	0.00	0.00	0.00	
9,000.0	90.00	270.39	7,010.0	1,121.7	-2,393.0	1,121.7	0.00	0.00	0.00	
9,100.0	90.00	270.39	7,010.0	1,122.4	-2,493.0	1,122.4	0.00	0.00	0.00	
9,200.0	90.00	270.39	7,010.0	1,123.1	-2,593.0	1,123.1	0.00	0.00	0.00	
9,300.0	90.00	270.39	7,010.0	1,123.8	-2,693.0	1,123.8	0.00	0.00	0.00	
9,400.0	90.00	270.39	7,010.0	1,124.4	-2,793.0	1,124.4	0.00	0.00	0.00	
9,500.0	90.00	270.39	7,010.0	1,125.1	-2,893.0	1,125.1	0.00	0.00	0.00	
9,600.0	90.00	270.39	7,010.0	1,125.8	-2,993.0	1,125.8	0.00	0.00	0.00	
9,700.0	90.00	270.39	7,010.0	1,126.5	-3,093.0	1,126.5	0.00	0.00	0.00	
9,800.0	90.00	270.39	7,010.0	1,127.2	-3,193.0	1,127.2	0.00	0.00	0.00	
9,900.0	90.00	270.39	7,010.0	1,127.8	-3,293.0	1,127.8	0.00	0.00	0.00	
10,000.0	90.00	270.39	7,010.0	1,128.5	-3,393.0	1,128.5	0.00	0.00	0.00	
10,100.0	90.00	270.39	7,010.0	1,129.2	-3,493.0	1,129.2	0.00	0.00	0.00	
10,200.0	90.00	270.39	7,010.0	1,129.9	-3,593.0	1,129.9	0.00	0.00	0.00	
10,300.0	90.00	270.39	7,010.0	1,130.5	-3,693.0	1,130.5	0.00	0.00	0.00	
10,400.0	90.00	270.39	7,010.0	1,131.2	-3,793.0	1,131.2	0.00	0.00	0.00	
10,500.0	90.00	270.39	7,010.0	1,131.9	-3,893.0	1,131.9	0.00	0.00	0.00	
10,600.0	90.00	270.39	7,010.0	1,132.6	-3,993.0	1,132.6	0.00	0.00	0.00	
10,700.0	90.00	270.39	7,010.0	1,133.3	-4,093.0	1,133.3	0.00	0.00	0.00	
10,800.0	90.00	270.39	7,010.0	1,133.9	-4,193.0	1,133.9	0.00	0.00	0.00	
10,900.0	90.00	270.39	7,010.0	1,134.6	-4,293.0	1,134.6	0.00	0.00	0.00	
11,000.0	90.00	270.39	7,010.0	1,135.3	-4,393.0	1,135.3	0.00	0.00	0.00	
11,100.0	90.00	270.39	7,010.0	1,136.0	-4,493.0	1,136.0	0.00	0.00	0.00	
11,200.0	90.00	270.39	7,010.0	1,136.7	-4,593.0	1,136.7	0.00	0.00	0.00	
11,300.0	90.00	270.39	7,010.0	1,137.3	-4,693.0	1,137.3	0.00	0.00	0.00	
11,400.0	90.00	270.39	7,010.0	1,138.0	-4,793.0	1,138.0	0.00	0.00	0.00	
11,500.0	90.00	270.39	7,010.0	1,138.7	-4,893.0	1,138.7	0.00	0.00	0.00	
11,600.0	90.00	270.39	7,010.0	1,139.4	-4,992.9	1,139.4	0.00	0.00	0.00	
11,700.0	90.00	270.39	7,010.0	1,140.0	-5,092.9	1,140.0	0.00	0.00	0.00	
11,800.0	90.00	270.39	7,010.0	1,140.7	-5,192.9	1,140.7	0.00	0.00	0.00	
11,900.0	90.00	270.39	7,010.0	1,141.4	-5,292.9	1,141.4	0.00	0.00	0.00	
12,000.0	90.00	270.39	7,010.0	1,142.1	-5,392.9	1,142.1	0.00	0.00	0.00	
12,100.0	90.00	270.39	7,010.0	1,142.8	-5,492.9	1,142.8	0.00	0.00	0.00	
12,200.0	90.00	270.39	7,010.0	1,143.4	-5,592.9	1,143.4	0.00	0.00	0.00	
12,300.0	90.00	270.39	7,010.0	1,144.1	-5,692.9	1,144.1	0.00	0.00	0.00	
12,400.0	90.00	270.39	7,010.0	1,144.8	-5,792.9	1,144.8	0.00	0.00	0.00	
12,500.0	90.00	270.39	7,010.0	1,145.5	-5,892.9	1,145.5	0.00	0.00	0.00	
12,600.0	90.00	270.39	7,010.0	1,146.2	-5,992.9	1,146.2	0.00	0.00	0.00	
12,700.0	90.00	270.39	7,010.0	1,146.8	-6,092.9	1,146.8	0.00	0.00	0.00	
19,769.5	90.00	270.39	7,010.0	1,194.8	-13,162.2	1,194.8	0.00	0.00	0.00	
TD at 19769.5' MD										

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well AD-J EVANS 5-20-24
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Project:	Weld County	MD Reference:	KB-EST @ 4654.0usft (Original Well Elev)
Site:	Sec 21-T5N-R65W	North Reference:	True
Well:	AD-J EVANS 5-20-24	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,849.1	3,800.0	PARKMAN			
4,611.1	4,550.0	SUSSEX			
5,129.3	5,060.0	SHANNON			
7,017.1	6,865.0	SHARON SPRINGS			
7,056.5	6,890.0	NIOBRARA			

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
400.0	400.0	0.0	0.0	Build 2°/100'
909.8	907.1	43.8	-11.2	Hold 10.20° Inc
6,562.8	6,470.9	1,013.4	-258.4	KOP, Build 10°/100'
7,437.1	7,010.0	1,111.1	-830.1	LP @ 90° Inc, 270.39° Azm Hold
19,769.5	7,010.0	1,194.8	-13,162.2	TD at 19769.5' MD