

# **EXTRACTION OIL & GAS**

**Weld County**

**Sec 21-T5N-R65W**

**AD-DAIRY C7-20-24**

**ORIGINAL WELLBORE**

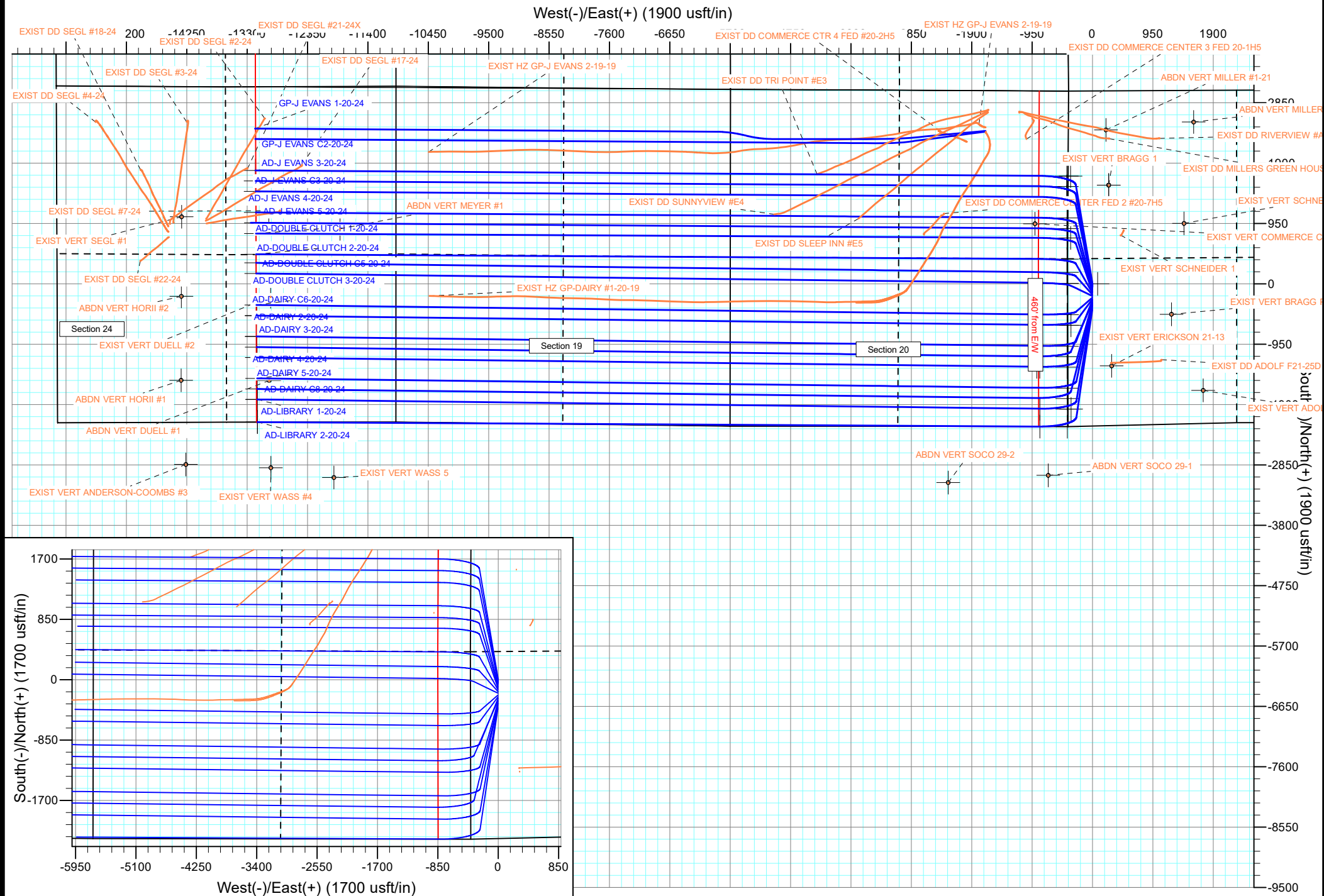
**PROPOSAL #1**

## **Anticollision Report**

**13 February, 2017**



Project: Weld County  
Site: Sec 21-T5N-R65W  
Well: ARDREY SPIDER  
ORIGINAL WELLBORE  
PROPOSAL #1



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well AD-DAIRY C7-20-24
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Reference Site:</b>	Sec 21-T5N-R65W	<b>MD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	AD-DAIRY C7-20-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.0usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	2/13/2017		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	19,866.3	PROPOSAL #1 (ORIGINAL WELLBORE)	MWD OWSG Rev 2	OWSG MWD - Standard

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 20-T5N-R65W						
ABDN VERT MEYER #1 - Wellbore #1 - Design #1	18,578.4	7,354.0	1,878.2	1,418.1	4.082	CC
ABDN VERT MEYER #1 - Wellbore #1 - Design #1	18,600.0	7,354.0	1,878.4	1,417.7	4.078	ES
ABDN VERT MEYER #1 - Wellbore #1 - Design #1	18,700.0	7,354.0	1,882.2	1,420.0	4.072	SF
EXIST DD COMMERCE CENTER 3 FED 20-1H5 - Wellb	1,795.5	1,896.3	3,020.5	3,010.8	312.137	CC
EXIST DD COMMERCE CENTER 3 FED 20-1H5 - Wellb	1,800.0	1,900.6	3,020.5	3,010.8	311.360	ES
EXIST DD COMMERCE CENTER 3 FED 20-1H5 - Wellb	10,000.0	7,240.0	4,066.7	3,983.6	48.918	SF
EXIST DD COMMERCE CENTER FED 2 #20-7H5 - Wel	9,079.4	7,242.0	2,231.4	2,153.6	28.667	CC
EXIST DD COMMERCE CENTER FED 2 #20-7H5 - Wel	9,100.0	7,242.3	2,231.5	2,153.3	28.522	ES
EXIST DD COMMERCE CENTER FED 2 #20-7H5 - Wel	9,800.0	7,250.2	2,344.9	2,255.7	26.298	SF
EXIST DD COMMERCE CTR 4 FED #20-2H5 - Wellbore	1,775.7	1,845.5	3,211.6	3,202.0	334.929	CC
EXIST DD COMMERCE CTR 4 FED #20-2H5 - Wellbore	1,800.0	1,868.5	3,211.6	3,201.9	330.459	ES
EXIST DD COMMERCE CTR 4 FED #20-2H5 - Wellbore	10,800.0	7,300.0	3,893.3	3,783.7	35.524	SF
EXIST DD MILLERS GREEN HOUSE #A10 - Wellbore #	2,380.5	2,920.5	2,948.0	2,928.0	147.824	CC
EXIST DD MILLERS GREEN HOUSE #A10 - Wellbore #	2,500.0	3,011.9	2,948.7	2,927.8	141.228	ES
EXIST DD MILLERS GREEN HOUSE #A10 - Wellbore #	9,000.0	7,441.2	4,258.7	4,182.4	55.872	SF
EXIST DD RIVERVIEW #A9 - Wellbore #1 - Wellbore #1	2,459.5	3,115.3	2,939.7	2,913.1	110.264	CC
EXIST DD RIVERVIEW #A9 - Wellbore #1 - Wellbore #1	2,600.0	3,257.2	2,940.3	2,911.6	102.415	ES
EXIST DD RIVERVIEW #A9 - Wellbore #1 - Wellbore #1	6,850.0	7,325.1	3,647.9	3,576.8	51.246	SF
EXIST DD SLEEP INN #E5 - Wellbore #1 - Wellbore #1	10,424.5	7,840.0	2,134.9	1,996.6	15.439	CC, ES
EXIST DD SLEEP INN #E5 - Wellbore #1 - Wellbore #1	10,600.0	7,840.0	2,142.1	2,002.4	15.340	SF
EXIST DD SUNNYVIEW #E4 - Wellbore #1 - Wellbore #	11,750.5	8,315.0	2,186.9	1,986.1	10.890	CC, ES
EXIST DD SUNNYVIEW #E4 - Wellbore #1 - Wellbore #	11,900.0	8,315.0	2,192.0	1,990.3	10.868	SF
EXIST DD TRI POINT #E3 - Wellbore #1 - Wellbore #1	11,083.5	7,893.0	2,824.9	2,656.3	16.759	CC
EXIST DD TRI POINT #E3 - Wellbore #1 - Wellbore #1	11,100.0	7,893.0	2,824.9	2,656.1	16.731	ES
EXIST DD TRI POINT #E3 - Wellbore #1 - Wellbore #1	11,500.0	7,893.0	2,855.4	2,681.5	16.413	SF
EXIST HZ GP-DAIRY #1-20-19 - ORIGINAL WELLBORE	10,400.0	8,208.1	889.9	759.9	6.845	ES, SF
EXIST HZ GP-DAIRY #1-20-19 - ORIGINAL WELLBORE	10,444.0	8,205.0	888.9	760.5	6.926	CC
EXIST HZ GP-DAIRY #1-20-19 - SIDETRACK - SIDETR	13,000.0	10,837.3	843.2	584.2	3.256	CC
EXIST HZ GP-DAIRY #1-20-19 - SIDETRACK - SIDETR	17,200.0	15,000.0	899.7	430.3	1.917	ES, SF
EXIST HZ GP-J EVANS 2-19-19 - MWD SURVEYS - MW	17,196.9	13,082.0	3,115.0	2,619.4	6.286	CC
EXIST HZ GP-J EVANS 2-19-19 - MWD SURVEYS - MW	17,300.0	13,082.0	3,116.7	2,619.4	6.267	ES
EXIST HZ GP-J EVANS 2-19-19 - MWD SURVEYS - MW	17,400.0	13,082.0	3,121.6	2,623.1	6.261	SF
EXIST HZ GP-J EVANS 2-19-19 - SURFACE GYROS - S	0.0	17.6	3,225.9			
EXIST HZ GP-J EVANS 2-19-19 - SURFACE GYROS - S	14,200.0	1,163.0	9,070.4	8,985.8	107.175	SF
EXIST VERT COMMERCE CENTER #1 - Wellbore #1 - D	1,700.0	1,705.0	1,530.3	1,490.9	38.932	CC
EXIST VERT COMMERCE CENTER #1 - Wellbore #1 - D	1,800.0	1,805.0	1,531.1	1,489.5	36.755	ES
EXIST VERT COMMERCE CENTER #1 - Wellbore #1 - D	8,000.0	7,200.0	2,117.6	1,937.5	11.759	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well AD-DAIRY C7-20-24
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Reference Site:</b>	Sec 21-T5N-R65W	<b>MD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	AD-DAIRY C7-20-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 20-T5N-R65W						
GP-J EVANS 1-20-24 - ORIGINAL WELLBORE - PROPO	1,700.0	1,734.0	3,176.3	3,166.6	329.041	CC
GP-J EVANS 1-20-24 - ORIGINAL WELLBORE - PROPO	19,866.3	17,072.3	3,457.4	2,804.1	5.292	ES, SF
GP-J EVANS C2-20-24 - ORIGINAL WELLBORE - PROP	0.0	33.0	3,167.0			
GP-J EVANS C2-20-24 - ORIGINAL WELLBORE - PROP	19,866.3	17,241.3	3,278.8	2,623.6	5.004	ES, SF

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<b>Reference Site:</b>	Sec 21-T5N-R65W	<b>MD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	AD-DAIRY C7-20-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 21-T5N-R65W						
ABDN VERT MILLER #1-21 - Wellbore #1 - Design #1	1,700.0	1,703.0	2,720.7	2,681.4	69.255	CC
ABDN VERT MILLER #1-21 - Wellbore #1 - Design #1	1,800.0	1,803.0	2,722.3	2,680.7	65.381	ES
ABDN VERT MILLER #1-21 - Wellbore #1 - Design #1	7,250.0	7,104.9	3,632.5	3,464.0	21.561	SF
ABDN VERT MILLER F 21-3 - Wellbore #1 - Design #1	1,700.0	1,710.0	3,253.3	3,213.7	82.247	CC
ABDN VERT MILLER F 21-3 - Wellbore #1 - Design #1	1,800.0	1,790.0	3,255.0	3,213.5	78.424	ES
ABDN VERT MILLER F 21-3 - Wellbore #1 - Design #1	7,250.0	7,108.1	4,257.0	4,089.0	25.341	SF
ABDN VERT SOCO 29-1 - Wellbore #1 - Design #1	7,472.4	7,195.5	1,875.0	1,701.4	10.800	CC, ES
ABDN VERT SOCO 29-1 - Wellbore #1 - Design #1	7,800.0	7,190.0	1,914.3	1,735.0	10.675	SF
ABDN VERT SOCO 29-2 - Wellbore #1 - Design #1	8,963.1	7,197.0	2,001.4	1,798.2	9.851	CC
ABDN VERT SOCO 29-2 - Wellbore #1 - Design #1	9,000.0	7,197.0	2,001.7	1,797.5	9.802	ES
ABDN VERT SOCO 29-2 - Wellbore #1 - Design #1	9,400.0	7,197.0	2,048.5	1,833.9	9.545	SF
AD-DAIRY 2-20-24 - ORIGINAL WELLBORE - PROPOS	1,700.0	1,700.0	47.4	35.6	4.023	CC
AD-DAIRY 2-20-24 - ORIGINAL WELLBORE - PROPOS	19,866.3	19,687.9	538.1	-112.5	0.827	Level 1, ES, SF
AD-DAIRY 3-20-24 - ORIGINAL WELLBORE - PROPOS	1,700.0	1,700.0	25.5	13.7	2.166	CC
AD-DAIRY 3-20-24 - ORIGINAL WELLBORE - PROPOS	19,866.3	19,718.0	268.7	-195.4	0.579	Level 1, ES, SF
AD-DAIRY 4-20-24 - ORIGINAL WELLBORE - PROPOS	700.0	700.0	21.9	17.3	4.752	CC
AD-DAIRY 4-20-24 - ORIGINAL WELLBORE - PROPOS	19,866.3	19,741.5	266.4	-196.7	0.575	Level 1, ES, SF
AD-DAIRY 5-20-24 - ORIGINAL WELLBORE - PROPOS	400.0	400.0	47.4	44.9	19.330	CC
AD-DAIRY 5-20-24 - ORIGINAL WELLBORE - PROPOS	19,866.3	19,791.8	534.8	-117.3	0.820	Level 1, ES, SF
AD-DAIRY C6-20-24 - ORIGINAL WELLBORE - PROPO	1,700.0	1,701.0	72.9	61.1	6.187	CC
AD-DAIRY C6-20-24 - ORIGINAL WELLBORE - PROPO	19,866.3	19,885.7	662.9	-39.2	0.944	Level 1, ES, SF
AD-DAIRY C8-20-24 - ORIGINAL WELLBORE - PROPO	300.0	300.0	69.3	67.5	39.929	CC
AD-DAIRY C8-20-24 - ORIGINAL WELLBORE - PROPO	19,866.3	19,943.7	659.4	-41.3	0.941	Level 1, ES, SF
AD-DOUBLE CLUTCH 1-20-24 - ORIGINAL WELLBORE	1,700.0	1,699.0	167.6	155.8	14.239	CC, ES
AD-DOUBLE CLUTCH 1-20-24 - ORIGINAL WELLBORE	19,866.3	19,721.0	1,800.8	1,102.9	2.580	SF
AD-DOUBLE CLUTCH 2-20-24 - ORIGINAL WELLBORE	1,700.0	1,701.0	145.7	133.9	12.374	CC, ES
AD-DOUBLE CLUTCH 2-20-24 - ORIGINAL WELLBORE	19,866.3	19,691.6	1,475.7	780.0	2.121	SF
AD-DOUBLE CLUTCH 3-20-24 - ORIGINAL WELLBORE	1,700.0	1,700.0	98.4	86.6	8.355	CC, ES
AD-DOUBLE CLUTCH 3-20-24 - ORIGINAL WELLBORE	19,866.3	19,593.2	1,177.2	486.4	1.704	SF
AD-DOUBLE CLUTCH C5-20-24 - ORIGINAL WELLBOR	1,700.0	1,701.0	120.2	108.4	10.209	CC, ES
AD-DOUBLE CLUTCH C5-20-24 - ORIGINAL WELLBOR	19,866.3	19,880.8	1,325.8	623.7	1.888	SF
AD-J EVANS 3-20-24 - ORIGINAL WELLBORE - PROPO	100.0	99.0	287.8	287.5	960.603	CC, ES
AD-J EVANS 3-20-24 - ORIGINAL WELLBORE - PROPO	19,866.3	19,851.7	2,787.2	2,086.7	3.978	SF
AD-J EVANS 4-20-24 - ORIGINAL WELLBORE - PROPO	300.0	299.0	240.4	238.7	138.873	CC, ES
AD-J EVANS 4-20-24 - ORIGINAL WELLBORE - PROPO	19,866.3	19,791.3	2,460.5	1,760.5	3.515	SF
AD-J EVANS 5-20-24 - ORIGINAL WELLBORE - PROPO	400.0	399.0	218.6	216.1	89.273	CC, ES
AD-J EVANS 5-20-24 - ORIGINAL WELLBORE - PROPO	19,866.3	19,740.8	2,130.3	1,431.2	3.047	SF
AD-J EVANS C3-20-24 - ORIGINAL WELLBORE - PROP	200.0	199.0	266.0	264.9	262.156	CC, ES
AD-J EVANS C3-20-24 - ORIGINAL WELLBORE - PROP	19,866.3	20,026.1	2,615.5	1,913.3	3.725	SF
AD-J EVANS C4-20-24 - ORIGINAL WELLBORE - PROP	1,100.0	1,099.0	193.1	185.6	25.857	CC, ES
AD-J EVANS C4-20-24 - ORIGINAL WELLBORE - PROP	19,866.3	19,933.7	1,956.2	1,254.1	2.786	SF
AD-LIBRARY 1-20-24 - ORIGINAL WELLBORE - PROP	200.0	200.0	94.8	93.7	93.081	CC
AD-LIBRARY 1-20-24 - ORIGINAL WELLBORE - PROP	19,800.0	32,527.4	849.5	-165.5	0.837	Level 1, ES, SF
AD-LIBRARY 2-20-24 - ORIGINAL WELLBORE - PROP	100.0	100.0	120.3	120.0	399.360	CC, ES
AD-LIBRARY 2-20-24 - ORIGINAL WELLBORE - PROP	19,866.3	19,903.3	1,198.9	506.2	1.731	SF
EXIST DD ADOLF F21-25D - Wellbore #1 - Wellbore #1	772.6	767.6	999.4	995.4	247.556	CC
EXIST DD ADOLF F21-25D - Wellbore #1 - Wellbore #1	800.0	793.0	999.5	995.3	238.588	ES
EXIST DD ADOLF F21-25D - Wellbore #1 - Wellbore #1	6,850.0	6,852.2	1,441.1	1,398.3	33.623	SF
EXIST VERT ADOLF F 21-14 - Wellbore #1 - Design #1	5,256.2	5,204.5	2,152.5	2,027.8	17.264	CC
EXIST VERT ADOLF F 21-14 - Wellbore #1 - Design #1	6,765.9	6,681.9	2,168.7	2,007.4	13.446	ES
EXIST VERT ADOLF F 21-14 - Wellbore #1 - Design #1	6,950.0	6,858.1	2,201.1	2,035.4	13.283	SF
EXIST VERT BRAGG 1 - Wellbore #1 - Design #1	1,700.0	1,680.0	1,861.2	1,822.2	47.661	CC
EXIST VERT BRAGG 1 - Wellbore #1 - Design #1	1,800.0	1,780.0	1,862.9	1,821.5	44.993	ES

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# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well AD-DAIRY C7-20-24
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Reference Site:</b>	Sec 21-T5N-R65W	<b>MD Reference:</b>	KB-EST @ 4655.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	AD-DAIRY C7-20-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
Sec 21-T5N-R65W						
EXIST VERT BRAGG 1 - Wellbore #1 - Design #1	7,200.0	7,050.1	2,786.3	2,619.2	16.674	SF
EXIST VERT BRAGG PM F 21-11 - Wellbore #1 - Design	1,700.0	1,688.0	1,259.3	1,219.8	31.863	CC
EXIST VERT BRAGG PM F 21-11 - Wellbore #1 - Design	2,000.0	1,987.5	1,263.4	1,216.9	27.145	ES
EXIST VERT BRAGG PM F 21-11 - Wellbore #1 - Design	6,850.0	6,763.0	1,700.7	1,538.7	10.496	SF
EXIST VERT ERICKSON 21-13 - Wellbore #1 - Design #	6,510.9	6,429.9	677.6	522.5	4.369	CC
EXIST VERT ERICKSON 21-13 - Wellbore #1 - Design #	6,765.9	6,680.9	679.1	517.7	4.209	ES
EXIST VERT ERICKSON 21-13 - Wellbore #1 - Design #	6,800.0	6,714.4	680.4	518.3	4.196	SF
EXIST VERT SCHNEIDER 1 - Wellbore #1 - Wellbore #1	1,713.4	1,717.2	1,233.7	1,227.0	185.496	CC, ES
EXIST VERT SCHNEIDER 1 - Wellbore #1 - Wellbore #1	6,900.0	6,817.6	2,015.5	1,988.9	75.911	SF
EXIST VERT SCHNEIDER 22-21 - Wellbore #1 - Design	1,700.0	1,688.0	1,902.2	1,863.1	48.610	CC
EXIST VERT SCHNEIDER 22-21 - Wellbore #1 - Design	1,800.0	1,788.0	1,903.8	1,862.3	45.892	ES
EXIST VERT SCHNEIDER 22-21 - Wellbore #1 - Design	6,950.0	6,857.1	2,734.9	2,572.6	16.853	SF
EXIST VERT WASS 5 - Wellbore #1 - Design #1	18,628.2	7,279.0	2,036.9	1,576.2	4.421	CC
EXIST VERT WASS 5 - Wellbore #1 - Design #1	18,700.0	7,279.0	2,038.2	1,575.4	4.404	ES
EXIST VERT WASS 5 - Wellbore #1 - Design #1	18,800.0	7,279.0	2,044.2	1,579.1	4.395	SF
EXIST VERT WASS 6 - Wellbore #1 - Design #1	18,301.1	7,279.0	3,344.7	2,892.8	7.402	CC
EXIST VERT WASS 6 - Wellbore #1 - Design #1	18,400.0	7,279.0	3,346.2	2,891.5	7.359	ES
EXIST VERT WASS 6 - Wellbore #1 - Design #1	18,700.0	7,279.0	3,368.4	2,906.8	7.297	SF
SW NE SEC. 26 T5N R66W 6th P.M.						
ABDN VERT DUELL #1 - Wellbore #1 - Design #1	19,665.3	7,312.0	524.2	33.0	1.067	Level 2, CC, ES, SF
ABDN VERT HORII #1 - Wellbore #1 - Design #1	19,866.3	7,364.0	1,299.4	1,014.0	4.553	CC, ES, SF
ABDN VERT RKW #1 - Wellbore #1 - Design #1	19,700.7	7,356.0	2,087.6	1,595.0	4.238	CC, ES
ABDN VERT RKW #1 - Wellbore #1 - Design #1	19,800.0	7,356.0	2,090.0	1,595.6	4.227	SF
EXIST DD SEGL #17-24 - Wellbore #1 - Wellbore #1	19,189.0	7,596.7	2,879.7	2,515.7	7.912	CC
EXIST DD SEGL #17-24 - Wellbore #1 - Wellbore #1	19,200.0	7,596.8	2,879.7	2,515.5	7.908	ES
EXIST DD SEGL #17-24 - Wellbore #1 - Wellbore #1	19,400.0	7,598.0	2,887.4	2,520.3	7.865	SF
EXIST DD SEGL #18-24 - Wellbore #1 - Wellbore #1	19,866.3	7,497.2	3,334.3	3,021.6	10.662	CC, ES, SF
EXIST DD SEGL #21-24X - Wellbore #1 - Wellbore #1	19,866.3	7,650.0	2,809.9	2,431.7	7.429	CC, ES, SF
EXIST DD SEGL #22-24 - Wellbore #1 - Wellbore #1	19,866.3	7,429.6	2,278.0	2,046.1	9.822	CC, ES, SF
EXIST DD SEGL #2-24 - Wellbore #1 - Wellbore #1	19,785.0	7,725.1	3,602.6	3,230.5	9.682	CC
EXIST DD SEGL #2-24 - Wellbore #1 - Wellbore #1	19,866.3	7,724.9	3,603.5	3,229.9	9.645	ES, SF
EXIST DD SEGL #3-24 - Wellbore #1 - Wellbore #1	19,866.3	7,724.0	3,714.7	3,357.5	10.399	CC, ES, SF
EXIST DD SEGL #4-24 - Wellbore #1 - Wellbore #1	19,866.3	7,860.0	4,356.0	4,047.5	14.119	CC, ES, SF
EXIST DD SEGL #7-24 - Wellbore #1 - Wellbore #1	19,530.9	7,597.1	2,152.5	1,784.9	5.855	CC
EXIST DD SEGL #7-24 - Wellbore #1 - Wellbore #1	19,600.0	7,597.9	2,153.6	1,784.7	5.838	ES
EXIST DD SEGL #7-24 - Wellbore #1 - Wellbore #1	19,700.0	7,599.2	2,159.2	1,789.0	5.834	SF
EXIST VERT ANDERSON-COOMBS #2 - Wellbore #1 -	19,866.3	7,100.0	3,368.8	3,041.7	10.301	CC, ES, SF
EXIST VERT ANDERSON-COOMBS #3 - Wellbore #1 -	19,866.3	7,349.0	2,157.1	1,712.8	4.854	CC, ES, SF
EXIST VERT DUELL #2 - Wellbore #1 - Design #1	19,658.4	7,335.0	796.2	305.0	1.621	CC, ES, SF
EXIST VERT SEGL #1 - Wellbore #1 - Design #1	19,866.3	7,323.0	2,368.7	1,917.2	5.246	CC, ES, SF
EXIST VERT WASS #2 - Wellbore #1 - Design #1	19,621.1	7,315.0	3,166.8	2,676.8	6.463	CC
EXIST VERT WASS #2 - Wellbore #1 - Design #1	19,700.0	7,315.0	3,167.8	2,675.5	6.435	ES
EXIST VERT WASS #2 - Wellbore #1 - Design #1	19,866.3	7,315.0	3,176.3	2,679.9	6.399	SF
EXIST VERT WASS #4 - Wellbore #1 - Design #1	19,621.7	7,311.3	1,895.3	1,405.3	3.868	CC
EXIST VERT WASS #4 - Wellbore #1 - Design #1	19,700.0	7,311.3	1,896.9	1,404.7	3.854	ES
EXIST VERT WASS #4 - Wellbore #1 - Design #1	19,800.0	7,311.3	1,903.7	1,409.5	3.852	SF