

EXTRACTION OIL & GAS

**WELD COUNTY, COLORADO (NAD 83)
NE SE SEC. 26 T5N R68W 6th P.M.
MCGIRR 6C**

**ORIGINAL WELLBORE
PROPOSAL #2**

Anticollision Report

23 March, 2017



Anticollision Report



Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MCGIRR 6C
Project:	WELD COUNTY, COLORADO (NAD 83)	TVD Reference:	KB-EST @ 4961.0usft
Reference Site:	NE SE SEC. 26 T5N R68W 6th P.M.	MD Reference:	KB-EST @ 4961.0usft
Site Error:	0.0 usft	North Reference:	True
Reference Well:	MCGIRR 6C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #2	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 us	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 23/03/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	17,151.2	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NE SE SEC. 26 T5N R68W 6th P.M.						
ABDN VERT MCKEE #1 - Wellbore #1 - Design #1	16,963.3	4,494.0	4,106.6	3,826.2	14.646	CC
ABDN VERT MCKEE #1 - Wellbore #1 - Design #1	17,100.0	4,494.0	4,108.8	3,825.5	14.500	ES
ABDN VERT MCKEE #1 - Wellbore #1 - Design #1	17,151.9	4,494.0	4,110.9	3,826.8	14.471	SF
EXIST VERT ABRAMS #1-26 - Wellbore #1 - Design #1	7,740.9	7,166.0	828.2	661.4	4.964	CC, ES
EXIST VERT ABRAMS #1-26 - Wellbore #1 - Design #1	7,800.0	7,166.0	830.4	662.4	4.944	SF
EXIST VERT MOUNTAIN VIEW SCHOOL #1 - Wellbore	6,640.4	6,554.0	838.7	692.1	5.720	CC
EXIST VERT MOUNTAIN VIEW SCHOOL #1 - Wellbore	6,650.0	6,563.6	838.7	687.7	5.551	ES, SF
EXIST VERT RYAN #14-25U - Wellbore #1 - Design #1	6,640.4	6,563.0	1,111.9	960.4	7.339	CC, ES, SF
MCGIRR 11N - ORIGINAL WELLBORE - PROPOSAL #2	166.0	168.0	32.2	31.7	65.652	CC
MCGIRR 11N - ORIGINAL WELLBORE - PROPOSAL #2	200.0	202.0	32.2	31.5	50.073	ES
MCGIRR 11N - ORIGINAL WELLBORE - PROPOSAL #2	17,151.9	17,051.7	1,019.0	473.1	1.867	SF
MCGIRR 12C - ORIGINAL WELLBORE - PROPOSAL #2	0.0	3.0	48.0			
MCGIRR 12C - ORIGINAL WELLBORE - PROPOSAL #2	100.0	103.0	48.0	47.8	246.275	ES
MCGIRR 12C - ORIGINAL WELLBORE - PROPOSAL #2	17,151.9	17,364.6	1,319.9	760.0	2.357	SF
MCGIRR 1C - ORIGINAL WELLBORE - PROPOSAL #2	839.1	837.3	52.3	48.8	14.894	CC, ES
MCGIRR 1C - ORIGINAL WELLBORE - PROPOSAL #2	17,151.9	17,171.5	1,319.9	759.8	2.356	SF
MCGIRR 2N - ORIGINAL WELLBORE - PROPOSAL #2	400.0	398.0	32.0	30.5	20.895	CC, ES
MCGIRR 2N - ORIGINAL WELLBORE - PROPOSAL #2	17,151.9	16,906.3	1,018.4	472.6	1.866	SF
MCGIRR 5N - ORIGINAL WELLBORE - PROPOSAL #2	400.0	399.0	16.0	14.5	10.438	CC
MCGIRR 5N - ORIGINAL WELLBORE - PROPOSAL #2	17,151.9	16,893.6	407.5	-54.6	0.882	Level 1, ES, SF
MCGIRR 8N - ORIGINAL WELLBORE - PROPOSAL #2	266.3	267.3	16.2	15.2	17.212	CC
MCGIRR 8N - ORIGINAL WELLBORE - PROPOSAL #2	17,151.9	16,934.9	408.4	-53.2	0.885	Level 1, ES, SF
NORTHLIGHT 1C - ORIGINAL WELLBORE - PROPOSAL #2	100.0	97.0	59.3	59.1	318.694	CC, ES
NORTHLIGHT 1C - ORIGINAL WELLBORE - PROPOSAL #2	15,300.0	15,112.4	3,378.7	2,943.7	7.768	SF
NORTHLIGHT 2N - ORIGINAL WELLBORE - PROPOSAL #2	200.0	198.0	52.4	51.7	82.645	CC, ES
NORTHLIGHT 2N - ORIGINAL WELLBORE - PROPOSAL #2	15,100.0	14,760.4	3,023.7	2,595.4	7.060	SF
NORTHLIGHT 3N - ORIGINAL WELLBORE - PROPOSAL #2	300.0	299.0	50.0	48.9	46.076	CC, ES
NORTHLIGHT 3N - ORIGINAL WELLBORE - PROPOSAL #2	14,900.0	14,564.4	2,504.1	2,082.2	5.935	SF
NORTHLIGHT 4C - ORIGINAL WELLBORE - PROPOSAL #2	366.3	367.3	52.3	50.9	37.670	CC
NORTHLIGHT 4C - ORIGINAL WELLBORE - PROPOSAL #2	500.0	500.0	52.4	50.4	26.662	ES
NORTHLIGHT 4C - ORIGINAL WELLBORE - PROPOSAL #2	14,900.0	14,740.2	2,330.1	1,906.7	5.504	SF
NORTHLIGHT 5N - ORIGINAL WELLBORE - PROPOSAL #2	703.5	702.6	53.7	50.8	18.850	CC, ES
NORTHLIGHT 5N - ORIGINAL WELLBORE - PROPOSAL #2	14,700.0	14,336.9	1,696.3	1,282.3	4.097	SF

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