

VERDAD RESOURCES

WATTENBERG FIELD

1N-65W-31 COUNTY LINE 3229 PAD

COUNTY LINE 3229-22H

Plan A

Design #2

Anticollision Summary Report

24 May, 2022

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-22H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 24' @ 5070.00usft (RIG)
Reference Site:	1N-65W-31 COUNTY LINE 3229 PAD	MD Reference:	RKB = 24' @ 5070.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	COUNTY LINE 3229-22H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #2	Offset TVD Reference:	Offset Datum

Reference	Design #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,500.00usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	5/23/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	2,275.00	Design #2 (Plan A)	ISCWSA MWD	Fixed:v2:standard declination	
2,275.00	16,164.83	Design #2 (Plan A)	ISCWSA MWD	Fixed:v2:standard declination	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
1N-65W-08 Incomplete Offsets						
ENGLISH FARMS 8-10HZ - KMG PR Well - Actual BKR S	16,165.54	20,360.00	1,000.77	738.83	3.821	CC, ES, SF
ENGLISH FARMS 8-11HZ - KMG PR Well - Actual BKR S	16,165.54	20,232.00	958.45	757.93	4.780	CC, ES, SF
ENGLISH FARMS 8-12HZ - KMG PR Well - Actual BKR S	16,165.54	20,526.00	890.31	720.28	5.236	CC, ES, SF
ENGLISH FARMS 8-13HZ - KMG PR Well - Actual BKR S	16,165.54	20,390.00	934.50	769.90	5.678	CC, ES, SF
ENGLISH FARMS 8-14HZ - KMG PR Well - Actual BKR S	16,165.54	20,354.00	1,104.93	917.72	5.902	CC, ES, SF
ENGLISH FARMS 8-15HZX - KMG PR Sidetrack - Actua	16,165.54	20,551.00	1,387.57	1,164.79	6.228	CC, ES, SF
ENGLISH FARMS 8-16HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-17HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-19HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-2HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-3HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-4HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-5HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-6HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-7HZ - KMG PR Well - Actual BKR S	16,165.54	20,442.00	1,492.90	1,178.69	4.751	CC, ES, SF
ENGLISH FARMS 8-8HZ - KMG PR Well - Actual BKR S	16,165.54	20,364.00	1,274.65	963.32	4.094	CC, ES, SF
ENGLISH FARMS 8-9HZ - KMG PR Well - Actual BKR S	16,165.54	20,538.00	1,194.98	880.26	3.797	CC, ES, SF
1N-65W-29 Offsets						
GERALD PICKERING GU #1 - Kerr McGee SI Well - No						Out of range
HIGHLAND 01N-65W-29-1N - VERDAD PR Well - Actua						Out of range
KILKER #1 - Kerr McGee P/A Well - No Surveys						Out of range

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Site Error:	0.00 usft	North Reference:	True
Reference Well:	COUNTY LINE 3229-22H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #2	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
1N-65W-31 COUNTY LINE 3107 PAD						
COUNTY LINE 3107-05H - Wellbore #1 - Design #3	322.50	316.50	390.25	382.57	50.848	CC, ES
COUNTY LINE 3107-05H - Wellbore #1 - Design #3	500.00	482.49	397.05	389.13	50.112	SF
COUNTY LINE 3107-06H - Wellbore #1 - Design #3	322.50	317.50	375.26	367.58	48.891	CC, ES
COUNTY LINE 3107-06H - Wellbore #1 - Design #3	500.00	489.64	381.02	373.09	48.039	SF
COUNTY LINE 3107-07H - Wellbore #1 - Design #3	322.50	317.50	360.24	352.57	46.935	CC, ES
COUNTY LINE 3107-07H - Wellbore #1 - Design #3	500.00	494.89	365.70	357.76	46.070	SF
COUNTY LINE 3107-08H - Wellbore #1 - Design #3	322.50	318.50	345.25	337.58	44.979	CC, ES
COUNTY LINE 3107-08H - Wellbore #1 - Design #3	600.00	590.60	358.90	350.77	44.106	SF
COUNTY LINE 3107-09H - Wellbore #1 - Design #3	322.50	318.50	330.27	322.59	43.026	CC, ES
COUNTY LINE 3107-09H - Wellbore #1 - Design #3	600.00	595.57	343.60	335.46	42.189	SF
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	100.00	70.86	315.27	307.74	41.887	CC, ES
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	1,900.00	1,729.00	724.05	689.71	21.083	SF
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	100.00	70.86	315.27	307.74	41.887	CC, ES
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	700.00	679.70	334.99	326.72	40.510	SF
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	345.48	318.88	300.21	292.55	39.213	CC, ES
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	1,900.00	1,729.00	692.60	658.31	20.196	SF
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	345.48	318.88	300.21	292.55	39.213	CC, ES
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	700.00	682.97	314.80	306.54	38.126	SF
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	936.98	967.26	271.32	262.32	30.167	CC
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,047.18	1,087.84	271.42	262.01	28.853	ES
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,800.00	1,775.00	394.22	360.11	11.559	SF
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	936.98	967.26	271.32	262.32	30.167	CC
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,047.18	1,087.84	271.42	262.01	28.853	ES
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,300.00	1,326.60	286.21	275.64	27.058	SF
1N-65W-31 COUNTY LINE 3108 PAD						
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	240.92	237.92	270.25	262.66	35.579	CC
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	322.50	319.44	270.26	262.59	35.205	ES
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	1,900.00	2,003.16	338.30	323.36	22.647	SF
COUNTY LINE 3108-14H - Wellbore #1 - Design #1	1,549.61	1,647.65	206.48	194.32	16.989	CC, ES
COUNTY LINE 3108-14H - Wellbore #1 - Design #1	1,900.00	1,997.03	228.06	213.23	15.382	SF
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	1,706.09	1,806.05	174.47	161.23	13.176	CC, ES
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	2,000.00	2,099.30	189.76	173.98	12.020	SF
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	1,851.89	1,950.42	142.29	127.78	9.807	CC
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	1,900.00	1,998.50	142.70	127.72	9.522	ES
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	2,100.00	2,198.07	153.25	136.08	8.929	SF
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	1,982.42	2,076.18	110.67	94.25	6.737	CC
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	2,000.00	2,093.74	110.73	94.05	6.638	ES
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	7,600.00	7,678.38	515.43	396.62	4.338	SF
1N-65W-31 COUNTY LINE 3112 PAD						
COUNTY LINE 3112-01H - Wellbore #1 - Design #3	200.00	191.00	450.25	442.69	59.521	CC, ES
COUNTY LINE 3112-01H - Wellbore #1 - Design #3	400.00	364.83	456.79	449.04	58.984	SF
COUNTY LINE 3112-02H - Wellbore #1 - Design #3	202.53	194.53	435.27	427.70	57.526	CC, ES
COUNTY LINE 3112-02H - Wellbore #1 - Design #3	400.00	373.16	439.36	431.60	56.678	SF
COUNTY LINE 3112-03H - Wellbore #1 - Design #3	300.00	293.00	420.25	412.60	54.940	CC, ES
COUNTY LINE 3112-03H - Wellbore #1 - Design #3	400.00	381.06	422.60	414.84	54.450	SF
COUNTY LINE 3112-04H - Wellbore #1 - Design #3	322.50	315.50	405.26	397.59	52.808	CC, ES
COUNTY LINE 3112-04H - Wellbore #1 - Design #3	500.00	474.92	413.83	405.92	52.307	SF

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Reference Well:	COUNTY LINE 3229-22H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #2	Offset TVD Reference:	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						
1N-65W-31 COUNTY LINE 3130 PAD						
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - Ac	300.41	271.42	134.61	126.99	17.648	CC, ES
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - Ac	322.50	292.48	134.70	127.05	17.611	SF
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - PI	300.41	271.42	134.61	126.99	17.648	CC, ES
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - PI	322.50	292.48	134.70	127.05	17.611	SF
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - Ac	350.57	322.76	118.55	110.87	15.451	CC, ES
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - Ac	400.00	371.54	119.12	111.39	15.408	SF
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - PI	350.57	322.76	118.55	110.87	15.451	CC, ES
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - PI	400.00	371.54	119.12	111.39	15.408	SF
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	100.00	70.71	105.10	97.57	13.964	CC, ES
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	600.00	577.52	111.69	103.58	13.766	SF
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	100.00	70.71	105.10	97.57	13.964	CC, ES
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	600.00	577.52	111.69	103.58	13.766	SF
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - Ac	573.45	552.29	85.92	77.91	10.729	CC, ES
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - Ac	700.00	679.42	88.22	79.89	10.590	SF
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - PI	573.45	552.29	85.92	77.91	10.729	CC, ES
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - PI	700.00	679.42	88.22	79.89	10.590	SF
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - Ac	631.18	609.70	63.06	54.90	7.725	CC, ES
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - Ac	700.00	678.68	64.01	55.64	7.649	SF
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - PI	631.18	609.70	63.06	54.90	7.725	CC, ES
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - PI	700.00	678.68	64.01	55.64	7.649	SF
1N-65W-31 COUNTY LINE 3229 PAD						
COUNTY LINE 3229-18H - Plan A - Design #2	351.80	352.47	59.22	51.51	7.677	CC, ES, SF
COUNTY LINE 3229-19H - Plan A - Design #2	322.50	322.50	44.99	37.31	5.860	CC, ES
COUNTY LINE 3229-19H - Plan A - Design #2	16,165.54	15,421.45	1,443.77	1,098.62	4.183	SF
COUNTY LINE 3229-20H - Plan A - Design #2	322.50	322.50	30.00	22.32	3.907	CC, ES
COUNTY LINE 3229-20H - Plan A - Design #2	16,165.54	15,672.38	962.50	613.56	2.758	SF
COUNTY LINE 3229-21H - Plan A - Design #2	322.50	322.50	15.00	7.32	1.954	CC, ES
COUNTY LINE 3229-21H - Plan A - Design #2	16,165.54	15,916.59	481.24	132.01	1.378	Level 3, SF
COUNTY LINE 3229-23H - Plan A - Design #2	212.44	212.44	15.00	7.43	1.980	CC
COUNTY LINE 3229-23H - Plan A - Design #2	8,050.00	8,034.05	50.50	-107.55	0.319	Level 1, ES, SF
COUNTY LINE 3229-24H - Plan A - Design #2	204.68	204.68	30.00	22.43	3.963	CC, ES
COUNTY LINE 3229-24H - Plan A - Design #2	16,165.54	16,649.75	962.52	611.96	2.746	SF
COUNTY LINE 3229-25H - Plan A - Design #2	200.00	200.00	45.00	37.43	5.947	CC, ES
COUNTY LINE 3229-25H - Plan A - Design #2	16,165.54	17,078.50	1,443.77	1,092.88	4.115	SF
COUNTY LINE 3229-26H - Plan A - Design #2	200.00	200.00	60.00	52.44	7.929	CC, ES
COUNTY LINE 3229-26H - Plan A - Design #2	2,300.00	2,231.60	129.45	110.66	6.889	SF

Anticollision Summary Report

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Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #2	Offset TVD Reference:	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						
1N-65W-31 Offsets						
ADAM TEN 1-A - CPR P&A Well - No Surveys	2,867.08	2,570.27	430.20	315.97	3.766	CC
ADAM TEN 1-A - CPR P&A Well - No Surveys	2,900.00	2,596.51	430.66	315.10	3.727	ES
ADAM TEN 1-A - CPR P&A Well - No Surveys	3,000.00	2,676.23	437.62	318.27	3.667	SF
DREYER 1 - EnCana P&A Well - No Surveys						Out of range
EPPINGER 1 - CPR P&A Well - No Surveys						Out of range
LOCHBUIE 1 - EnCana P&A Well - No Surveys						Out of range
LOCHBUIE 21-31 - CPR P&A Well - No Surveys						Out of range
LOCHBUIE 2A-31H - CPR PR Well - Actual Cathedral Su						Out of range
LOCHBUIE 2B-31H - CPR PR Well - Actual Cathedral Su						Out of range
LOCHBUIE 2C-31H - CPR PR Well - Actual Cathedral Su						Out of range
LOCHBUIE 2D-31H - CPR PR Well - Actual Cathedral Su						Out of range
LOCHBUIE 2E-31H - CPR PR Well - Actual Cathedral Su						Out of range
LOCHBUIE 2F-31H - CPR SI Well - Actual Cathedral Sur						Out of range
LOCHBUIE 2G-31H - CPR PR Well - Actual Cathedral Su						Out of range
LOCHBUIE 2H-31H - CPR PR Well - Actual Cathedral Su						Out of range
LUTZ 1 - EnCana P&A Well - No Surveys						Out of range
LUTZ 1A - CPR D/A Well - No Surveys						Out of range
SACK-DREYER 1 - CPR P&A Well - No Surveys						Out of range
WALLA 5-15-2L - Confluence Planned Well - BKR Planne	3,306.43	3,060.18	447.42	406.85	11.030	CC, ES
WALLA 5-15-2L - Confluence Planned Well - BKR Planne	3,400.00	3,143.67	449.41	408.28	10.927	SF
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	2,802.33	2,543.66	642.30	610.52	20.214	CC, ES
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	9,050.00	8,450.00	1,495.64	1,380.64	13.005	SF
WALLA 5-9-2L - Confluence Planned Well - BKR Planned	7,000.00	6,477.68	239.57	91.30	1.616	ES, SF
WALLA 5-9-2L - Confluence Planned Well - BKR Planned	7,107.17	6,582.54	238.54	92.35	1.632	CC
1N-65W-32 Offsets						
*KILKER 1 - VESSELS P&A Well - No Surveys	12,904.88	7,245.00	1,384.98	1,027.39	3.873	CC
*KILKER 1 - VESSELS P&A Well - No Surveys	13,000.00	7,245.00	1,388.24	1,024.04	3.812	ES
*KILKER 1 - VESSELS P&A Well - No Surveys	13,200.00	7,245.00	1,416.07	1,038.60	3.752	SF
*SAWYER 32-2 - NANKE ENERGY SI Well - No Surveys	9,276.38	7,234.00	429.22	136.92	1.468	Level 3, CC
*SAWYER 32-2 - NANKE ENERGY SI Well - No Surveys	9,333.44	7,234.00	433.56	136.15	1.458	Level 3, ES
*SAWYER 32-2 - NANKE ENERGY SI Well - No Surveys	9,400.00	7,234.00	448.48	140.36	1.456	Level 3, SF
*SAWYER 32-34 - ABD D/A Well - No Surveys	9,948.06	7,236.00	405.29	106.10	1.355	Level 3, CC
*SAWYER 32-34 - ABD D/A Well - No Surveys	10,000.00	7,236.00	408.61	102.58	1.335	Level 3, ES
*SAWYER 32-34 - ABD D/A Well - No Surveys	10,100.00	7,236.00	432.84	108.58	1.335	Level 3, SF
DREYER #32-1 - PAR Pacific D/A Well - No Surveys						Out of range
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	5,388.94	4,565.60	990.32	765.51	4.405	CC
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	5,500.00	4,654.14	992.59	762.93	4.322	ES
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	5,800.00	4,893.29	1,020.95	779.64	4.231	SF
SAWYER/POWELL #32-4 - APEX D/A Well - No Surveys						Out of range
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No	10,100.00	7,207.00	911.81	607.55	2.997	SF
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No	10,200.00	7,207.00	905.72	605.33	3.015	ES
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No	10,205.35	7,207.00	905.71	605.47	3.017	CC
1N-65W-33 Offsets Incomplete						
BUFORD 33-10-2L - Confluence Drilled Well - Plan Only						Out of range
DESHA 4-15-1 - Confluence PR Well - Actual BKR Surve						Out of range

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-22H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 24' @ 5070.00usft (RIG)
Reference Site:	1N-65W-31 COUNTY LINE 3229 PAD	MD Reference:	RKB = 24' @ 5070.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	COUNTY LINE 3229-22H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 24' @ 5070.00usft (RIG)

Offset Depths are relative to Offset Datum

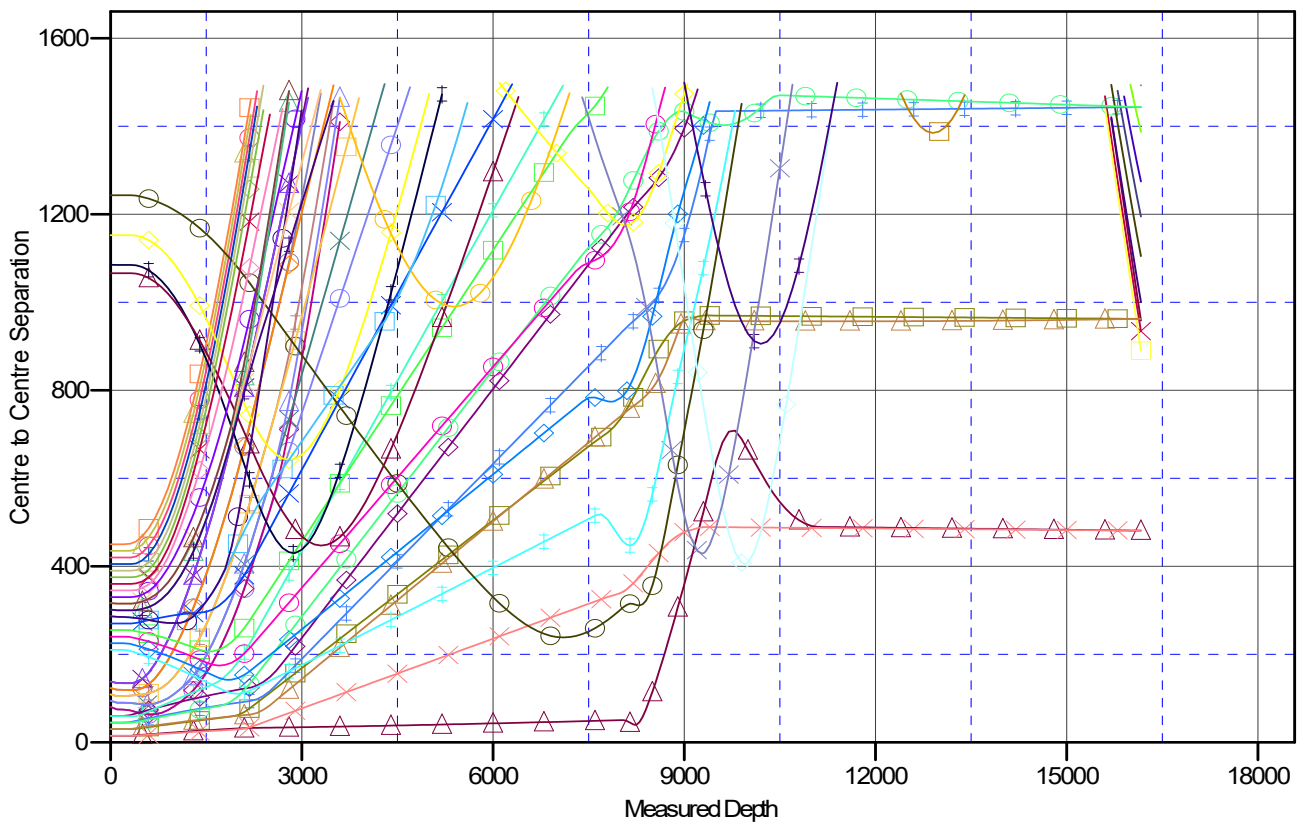
Central Meridian is -105.500000

Coordinates are relative to: COUNTY LINE 3229-22H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.51°

Ladder Plot



LEGEND

COUNTY LINE 3112-04H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	WALLA 58-IL Confluence Planned Well, Planned Pro Directional Surveys V0
COUNTY LINE 3112-01H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Plan B V0	WALLA 58-IL Confluence Planned Well, BKR Planned Surveys V0
COUNTY LINE 3112-03H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	*KILKER 1, VESSELS P&A Well, No Surveys V0
COUNTY LINE 3112-02H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Plan B V0	SACK-HIETT #1, VESSELS P/A Well, No Surveys V0
ENGLISH FARM S 8-11HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-23H, Plan A, Design #2 V0	*SAWYER 3284, ABD DIA Well, No Surveys V0
ENGLISH FARM S 8-13HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-26H, Plan A, Design #2 V0	*SAWYER 322, NANKE ENERGY SI Well, No Surveys V0
ENGLISH FARM S 8-15HZ, KM GPR Sidetrack, Actual BKR Surveys V0	COUNTY LINE 3229-21H, Plan A, Design #2 V0	SAWYER-GULIKSEN #323, PAR Pacific P/A Well, No Surveys V0
ENGLISH FARM S 8-8HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-18H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Plan A V0
ENGLISH FARM S 8-10HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-20H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
ENGLISH FARM S 8-12HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-24H, Plan A, Design #2 V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
ENGLISH FARM S 8-8HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-25H, Plan A, Design #2 V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
ENGLISH FARM S 8-7HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-19H, Plan A, Design #2 V0	COUNTY LINE 3107-07H, Wellbore #1, Design #3 V0
ENGLISH FARM S 8-16HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3108-17H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Plan B V0	COUNTY LINE 3108-14H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Plan A V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-15H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-05H, VERDAD Dilled-Surface, Plan B V0	COUNTY LINE 3108-13H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Dilled-Surface Well, Plan A V0
COUNTY LINE 3130-05H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-16H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-04H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	ADAM TEN 1A, CPR P&A Well, No Surveys V0	COUNTY LINE 3107-05H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-04H, VERDAD Dilled-Surface, Plan B V0	WALLA 5-15LZ Confluence Planned Well, BKR Planned Surveys V0	

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-22H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 24' @ 5070.00usft (RIG)
Reference Site:	1N-65W-31 COUNTY LINE 3229 PAD	MD Reference:	RKB = 24' @ 5070.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	COUNTY LINE 3229-22H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 24' @ 5070.00usft (RIG)

Offset Depths are relative to Offset Datum

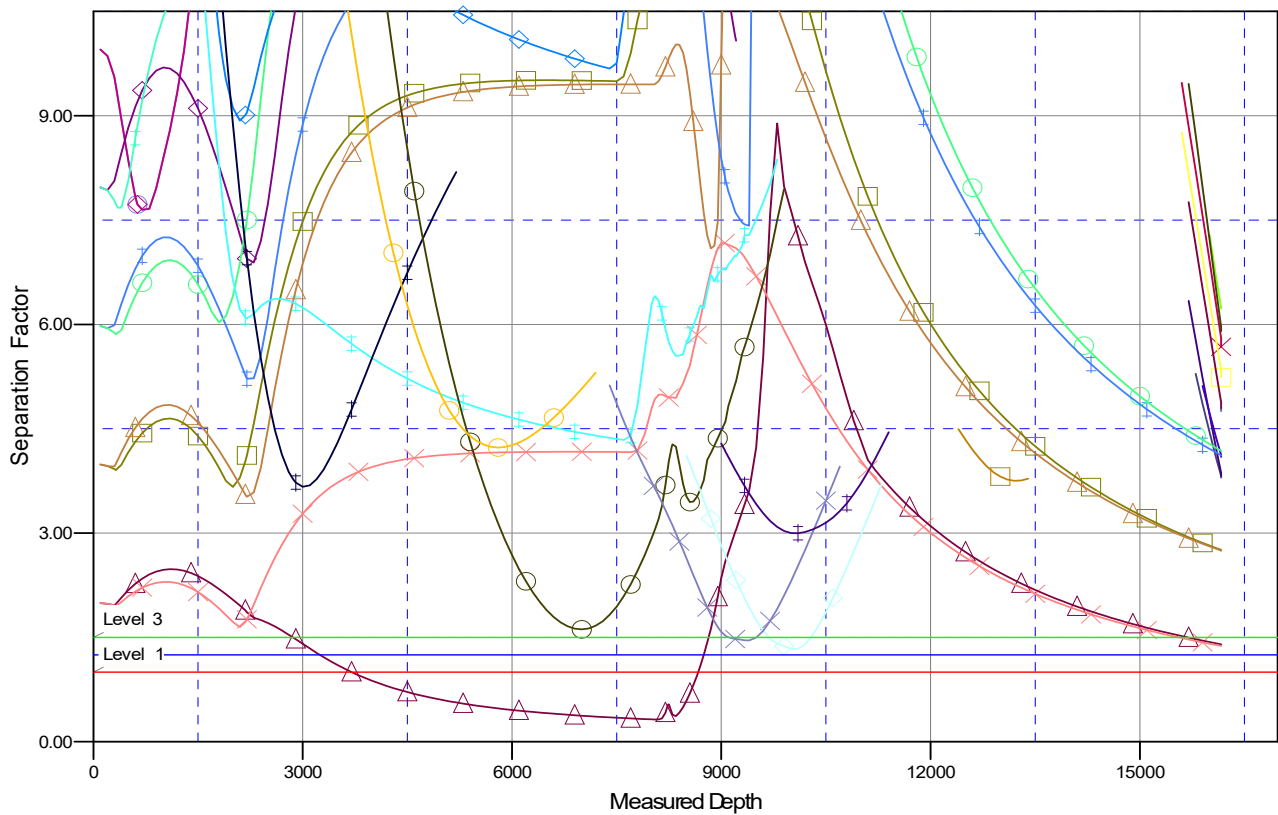
Central Meridian is -105.500000

Coordinates are relative to: COUNTY LINE 3229-22H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.51°

Separation Factor Plot



LEGEND

COUNTY LINE 3112-06H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	WALLA 58-4L, Confluence Planned Well, Remot Pro Directional Surveys V0
COUNTY LINE 3112-01H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Plan B V0	WALLA 59-2L, Confluence Planned Well, BKR Planned Surveys V0
COUNTY LINE 3112-03H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	*KILKER 1, VESSELS P&A Well, No Surveys V0
COUNTY LINE 3112-02H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-23H, Plan A, Design #2 V0	*SACK-HIETT #1, VESSELS P/A Well, No Surveys V0
ENGLISH FARMS 8-11HZ, KM GPR Well Actual BKR Surveys V0	COUNTY LINE 3229-26H, Plan A, Design #2 V0	*SAWYER 328, ABD D/A Well, No Surveys V0
ENGLISH FARMS 8-13HZ, KM GPR Well Actual BKR Surveys V0	COUNTY LINE 3229-21H, Plan A, Design #2 V0	*SAWYER 302, NANKE ENERGY SI Well, No Surveys V0
ENGLISH FARMS 8-15HZ, KM GPR Sidetrack, Actual BKR Surveys V0	COUNTY LINE 3229-18H, Plan A, Design #2 V0	SAWYER-GULIKSEN #323, PAR Pacific P/A Well, No Surveys V0
ENGLISH FARMS 8-8HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-20H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Plan A V0
ENGLISH FARMS 8-10HZ, KM GPR Well Actual BKR Surveys V0	COUNTY LINE 3229-24H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
ENGLISH FARMS 8-12HZ, KM GPR Well Actual BKR Surveys V0	COUNTY LINE 3229-25H, Plan A, Design #2 V0	COUNTY LINE 3107-06H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-8HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-19H, Plan A, Design #2 V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-7HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3108-17H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-07H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-14HZ, KM GPR Well Actual BKR Surveys V0	COUNTY LINE 3108-14H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Plan B V0	COUNTY LINE 3108-15H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Plan A V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-13H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-05H, VERDAD Dilled-Surface, Plan B V0	COUNTY LINE 3108-16H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Dilled-Surface Well, Plan A V0
COUNTY LINE 3130-05H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	ADAM TEN 1A, CPR P&A Well, No Surveys V0	COUNTY LINE 3107-10H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-04H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-15-2L, Confluence Planned Well, BKR Planned Surveys V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-04H, VERDAD Dilled-Surface, Plan B V0		