

VERDAD RESOURCES

WATTENBERG FIELD

1N-65W-31 COUNTY LINE 3229 PAD

COUNTY LINE 3229-19H

Plan A

Design #2

Anticollision Summary Report

24 May, 2022

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-19H
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 3229-19H	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	15,425.05	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	15,425.37	20,360.00	1,269.81	1,058.46	6.008	CC, ES, SF
ENGLISH FARMS 8-11HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-12HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-13HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-14HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-15HZX - KMG PR Sidetrack - Actua						Out of range
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	15,425.37	20,568.00	1,248.05	972.79	4.534	CC, ES, SF
ENGLISH FARMS 8-4HZ - KMG PR Well - Actual BKR S	15,425.37	20,443.00	1,066.73	820.69	4.336	CC, ES, SF
ENGLISH FARMS 8-5HZ - KMG PR Well - Actual BKR S	15,425.37	20,677.00	918.00	711.49	4.445	CC, ES, SF
ENGLISH FARMS 8-6HZ - KMG PR Well - Actual BKR S	15,425.37	20,552.00	834.91	692.14	5.848	CC, ES, SF
ENGLISH FARMS 8-7HZ - KMG PR Well - Actual BKR S	15,425.37	20,442.00	899.04	771.42	7.045	CC, ES, SF
ENGLISH FARMS 8-8HZ - KMG PR Well - Actual BKR S	15,425.37	20,364.00	996.86	847.45	6.672	CC, ES, SF
ENGLISH FARMS 8-9HZ - KMG PR Well - Actual BKR S	15,425.37	20,538.00	1,104.55	919.21	5.959	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	9,500.00	12,907.00	933.92	754.46	5.204	SF
HIGHLAND 01N-65W-29-1N - VERDAD PR Well - Actua	9,600.00	12,902.24	923.73	749.43	5.300	ES
HIGHLAND 01N-65W-29-1N - VERDAD PR Well - Actua	12,838.14	9,643.91	917.94	755.14	5.639	CC
KILKER #1 - Kerr McGee P/A Well - No Surveys	14,100.00	7,187.00	470.68	71.98	1.181	Level 2, ES, SF
KILKER #1 - Kerr McGee P/A Well - No Surveys	14,159.29	7,187.00	466.93	72.39	1.183	Level 2, CC

Anticollision Summary Report

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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 3229-19H	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	400.44	394.44	345.25	337.48	44.387	CC, ES
COUNTY LINE 3107-05H - Wellbore #1 - Design #3	500.00	483.84	348.02	340.09	43.904	SF
COUNTY LINE 3107-06H - Wellbore #1 - Design #3	410.00	405.00	330.27	322.47	42.377	CC, ES
COUNTY LINE 3107-06H - Wellbore #1 - Design #3	500.00	490.33	331.97	324.04	41.834	SF
COUNTY LINE 3107-07H - Wellbore #1 - Design #3	410.00	405.00	315.25	307.46	40.451	CC, ES
COUNTY LINE 3107-07H - Wellbore #1 - Design #3	600.00	585.34	322.86	314.73	39.735	SF
COUNTY LINE 3107-08H - Wellbore #1 - Design #3	410.00	406.00	300.26	292.47	38.524	CC, ES
COUNTY LINE 3107-08H - Wellbore #1 - Design #3	600.00	591.52	306.80	298.66	37.716	SF
COUNTY LINE 3107-09H - Wellbore #1 - Design #3	410.00	406.00	285.27	277.48	36.601	CC, ES
COUNTY LINE 3107-09H - Wellbore #1 - Design #3	600.00	595.86	291.48	283.34	35.801	SF
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	100.00	70.88	270.27	262.75	35.909	CC
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	436.01	409.44	270.44	262.67	34.817	ES
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	1,900.00	1,729.00	630.71	596.67	18.529	SF
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	100.00	70.88	270.27	262.75	35.909	CC
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	436.01	409.44	270.44	262.67	34.817	ES
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	700.00	678.66	279.84	271.58	33.883	SF
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	471.18	447.53	254.16	246.34	32.504	CC, ES
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	1,900.00	1,729.00	599.91	565.94	17.661	SF
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	471.18	447.53	254.16	246.34	32.504	CC, ES
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	800.00	781.71	266.97	258.48	31.436	SF
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,136.84	1,163.34	205.40	195.69	21.156	CC, ES
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,800.00	1,775.00	305.23	271.30	8.996	SF
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,136.84	1,163.34	205.40	195.69	21.156	CC, ES
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	4,400.00	4,451.03	447.21	416.21	14.429	SF
1N-65W-31 COUNTY LINE 3108 PAD						
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	1,472.59	1,555.14	224.03	212.33	19.153	CC
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	1,500.00	1,582.53	224.16	212.28	18.866	ES
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	7,650.00	7,650.00	722.53	660.57	11.662	SF
COUNTY LINE 3108-14H - Wellbore #1 - Design #1	1,627.03	1,698.14	129.20	116.72	10.355	CC, ES
COUNTY LINE 3108-14H - Wellbore #1 - Design #1	7,100.00	7,190.19	408.00	317.43	4.505	SF
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	7,700.00	7,808.94	57.51	-22.01	0.723	Level 1, ES, SF
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	7,727.79	7,813.94	50.66	-6.66	0.884	Level 1, CC
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	2,125.32	2,186.31	59.85	32.88	2.219	CC
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	2,300.00	2,360.20	62.14	29.09	1.880	ES
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	2,400.00	2,459.74	65.35	29.83	1.840	SF
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	1,927.04	1,979.56	45.63	20.51	1.816	CC
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	2,000.00	2,051.78	46.78	18.39	1.648	ES
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	2,100.00	2,150.77	51.79	20.20	1.639	SF
1N-65W-31 COUNTY LINE 3112 PAD						
COUNTY LINE 3112-01H - Wellbore #1 - Design #3	200.00	191.00	405.26	397.70	53.574	CC, ES
COUNTY LINE 3112-01H - Wellbore #1 - Design #3	410.00	375.88	411.43	403.67	53.022	SF
COUNTY LINE 3112-02H - Wellbore #1 - Design #3	202.53	194.53	390.27	382.71	51.579	CC, ES
COUNTY LINE 3112-02H - Wellbore #1 - Design #3	410.00	383.69	393.82	386.05	50.701	SF
COUNTY LINE 3112-03H - Wellbore #1 - Design #3	300.00	293.00	375.26	367.61	49.058	CC, ES
COUNTY LINE 3112-03H - Wellbore #1 - Design #3	500.00	470.38	382.39	374.48	48.366	SF
COUNTY LINE 3112-04H - Wellbore #1 - Design #3	301.52	294.52	360.27	352.62	47.089	CC, ES
COUNTY LINE 3112-04H - Wellbore #1 - Design #3	500.00	476.90	364.83	356.91	46.095	SF

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Reference Well:	COUNTY LINE 3229-19H	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	300.35	271.35	89.62	81.99	11.750	CC, ES
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - Ac	400.00	369.50	90.69	82.95	11.718	SF
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - PI	300.35	271.35	89.62	81.99	11.750	CC, ES
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - PI	400.00	369.50	90.69	82.95	11.718	SF
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - Ac	419.97	391.29	73.05	65.29	9.411	CC, ES, SF
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - PI	419.97	391.29	73.05	65.29	9.411	CC, ES, SF
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	100.00	70.83	60.11	52.58	7.986	CC
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	526.30	499.97	60.36	52.41	7.590	ES
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	600.00	574.01	61.13	53.02	7.534	SF
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	100.00	70.83	60.11	52.58	7.986	CC
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	526.30	499.97	60.36	52.41	7.590	ES
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	600.00	574.01	61.13	53.02	7.534	SF
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - Ac	623.73	597.93	35.95	27.81	4.416	CC, ES, SF
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - PI	623.73	597.93	35.95	27.81	4.416	CC, ES, SF
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - Ac	597.86	570.61	15.53	7.40	1.910	CC
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - Ac	600.00	572.74	15.53	7.39	1.909	ES, SF
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - PI	597.86	570.61	15.53	7.40	1.910	CC
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - PI	600.00	572.74	15.53	7.39	1.909	ES, SF
1N-65W-31 COUNTY LINE 3229 PAD						
COUNTY LINE 3229-18H - Plan A - Design #2	349.34	349.40	14.49	6.77	1.878	CC, ES
COUNTY LINE 3229-18H - Plan A - Design #2	15,425.37	15,231.19	481.26	142.69	1.421	Level 3, SF
COUNTY LINE 3229-20H - Plan A - Design #2	308.77	308.77	14.99	7.33	1.956	CC
COUNTY LINE 3229-20H - Plan A - Design #2	400.00	399.90	15.05	7.27	1.935	ES
COUNTY LINE 3229-20H - Plan A - Design #2	15,425.37	15,678.14	481.26	135.66	1.393	Level 3, SF
COUNTY LINE 3229-21H - Plan A - Design #2	303.61	303.61	29.99	22.33	3.917	CC, ES
COUNTY LINE 3229-21H - Plan A - Design #2	15,425.37	15,918.44	962.53	616.63	2.783	SF
COUNTY LINE 3229-22H - Plan A - Design #2	300.00	300.00	44.99	37.34	5.879	CC, ES
COUNTY LINE 3229-22H - Plan A - Design #2	15,425.37	16,165.54	1,443.77	1,098.20	4.178	SF
COUNTY LINE 3229-23H - Plan A - Design #2	212.44	212.44	59.99	52.42	7.919	CC
COUNTY LINE 3229-23H - Plan A - Design #2	300.00	299.77	60.01	52.36	7.843	ES, SF
COUNTY LINE 3229-24H - Plan A - Design #2	204.68	204.68	74.99	67.42	9.906	CC, ES
COUNTY LINE 3229-24H - Plan A - Design #2	300.00	298.99	75.26	67.61	9.837	SF
COUNTY LINE 3229-25H - Plan A - Design #2	200.00	200.00	89.99	82.43	11.892	CC, ES
COUNTY LINE 3229-25H - Plan A - Design #2	300.00	297.89	90.80	83.15	11.871	SF
COUNTY LINE 3229-26H - Plan A - Design #2	200.00	200.00	104.99	97.43	13.875	CC, ES, SF

Anticollision Summary Report

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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 3229-19H	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)		Separation Factor	Warning
Offset Well - Wellbore - Design						
1N-65W-31 Offsets						
ADAM TEN 1-A - CPR P&A Well - No Surveys	3,345.17	3,099.76	485.81	352.95	3.656	CC
ADAM TEN 1-A - CPR P&A Well - No Surveys	3,400.00	3,148.85	486.42	351.31	3.600	ES
ADAM TEN 1-A - CPR P&A Well - No Surveys	3,700.00	3,417.42	510.89	364.36	3.487	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	4,600.00	4,389.46	358.46	307.14	6.984	SF
WALLA 5-15-2L - Confluence Planned Well - BKR Planne	4,635.85	4,423.86	358.32	307.05	6.989	CC, ES
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	7,919.22	8,032.03	70.90	7.16	1.112	Level 2, CC
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	7,950.00	8,043.41	76.69	-17.15	0.817	Level 1, SF
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	8,000.00	8,057.62	105.25	-18.32	0.852	Level 1, ES
WALLA 5-9-2L - Confluence Planned Well - BKR Planned	7,975.69	7,387.01	946.93	883.98	15.042	CC, ES
WALLA 5-9-2L - Confluence Planned Well - BKR Planned	8,700.00	7,417.42	1,193.66	1,085.50	11.036	SF
1N-65W-32 Offsets						
*KILKER 1 - VESSELS P&A Well - No Surveys						Out of range
*SAWYER 32-2 - NANKE ENERGY SI Well - No Surveys						Out of range
*SAWYER 32-34 - ABD D/A Well - No Surveys						Out of range
DREYER #32-1 - PAR Pacific D/A Well - No Surveys	11,100.00	7,206.00	458.73	123.43	1.368	Level 3, SF
DREYER #32-1 - PAR Pacific D/A Well - No Surveys	11,190.45	7,206.00	449.72	121.21	1.369	Level 3, CC, ES
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	8,800.00	7,205.00	498.09	208.11	1.718	SF
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	8,874.79	7,205.00	493.42	206.84	1.722	CC, ES
SAWYER/POWELL #32-4 - APEX D/A Well - No Surveys	9,900.00	7,200.00	592.85	289.37	1.953	ES, SF
SAWYER/POWELL #32-4 - APEX D/A Well - No Surveys	9,922.77	7,200.00	592.41	290.06	1.959	CC
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No	9,384.93	7,207.00	546.60	255.45	1.877	CC
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No	9,400.00	7,207.00	546.77	254.89	1.873	ES
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No	9,500.00	7,207.00	556.32	257.57	1.862	SF
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

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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 3229-19H	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

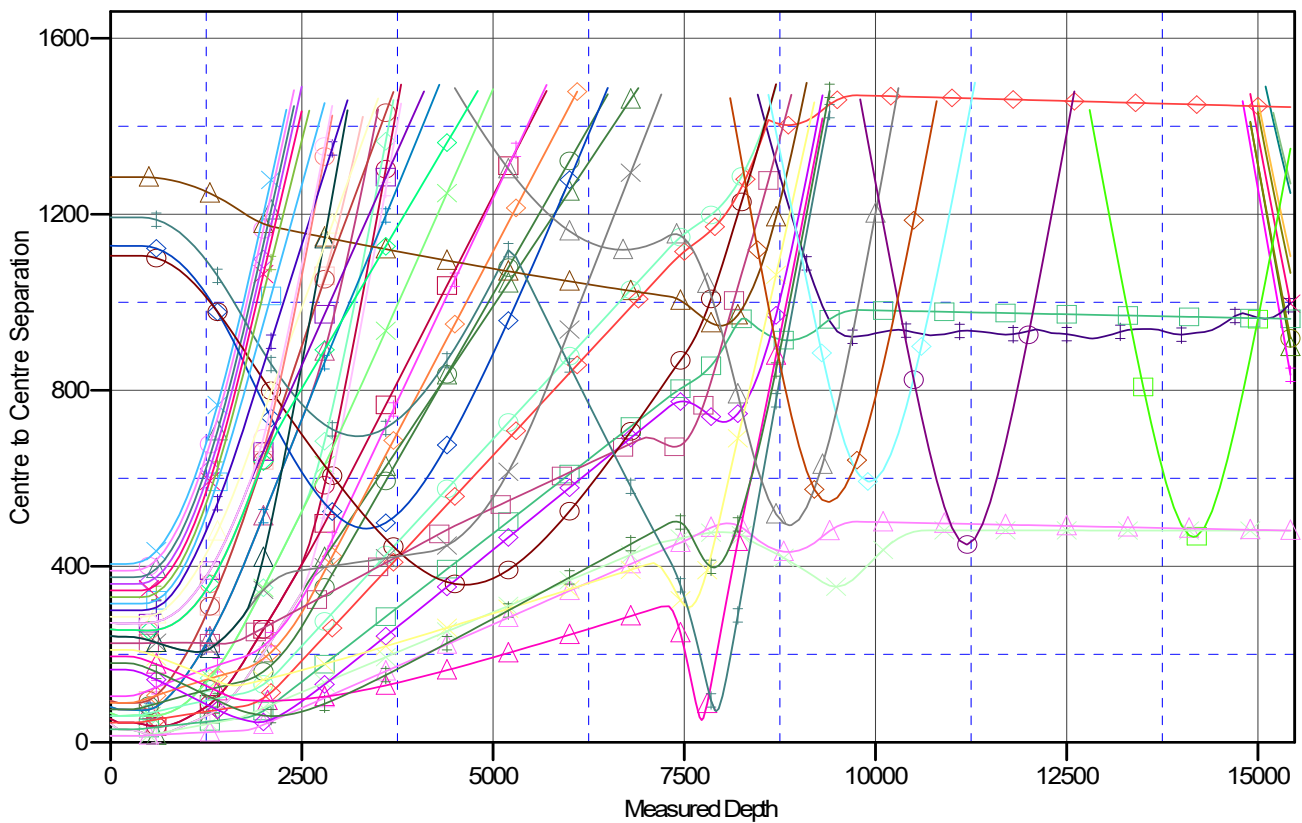
Central Meridian is -105.500000

Coordinates are relative to: COUNTY LINE 3229-19H

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 3130-04H, VERDAD Dilled-Surface, Plan B V0	WALLA 5-152L, Confluence Planned Well, BKR Planned Surveys V0
COUNTY LINE 3112-01H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-9-4L, Confluence Planned Well, RKR Planned Surveys V0
COUNTY LINE 3112-03H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Plan B V0	WALLA 5-9-2L, Confluence Planned Well, BKR Planned Surveys V0
COUNTY LINE 3112-01H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	SAWYER-POMELL #324, APEX D/A Well, No Surveys V0
ENGLISH FARM S 8-4HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Plan B V0	SACK-HIETT #1, VESSELS P/A Well, No Surveys V0
ENGLISH FARM S 8-6HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-23H, Plan A, Design #2 V0	DREYER #321, PAR Pacific D/A Well, No Surveys V0
ENGLISH FARM S 8-3HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-26H, Plan A, Design #2 V0	SAWYER-GULIKSEN #323, PAR Pacific P/A Well, No Surveys V0
ENGLISH FARM S 8-10HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-22H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Plan A V0
ENGLISH FARM S 8-8HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-21H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
ENGLISH FARM S 8-7HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-18H, Plan A, Design #2 V0	COUNTY LINE 3107-06H, Wellbore #1, Design #3 V0
ENGLISH FARM S 8-5HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-20H, Plan A, Design #2 V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
ENGLISH FARM S 8-6HZ, KMGP R Well, Actual BKR Surveys V0	COUNTY LINE 3229-24H, Plan A, Design #2 V0	COUNTY LINE 3107-07H, Wellbore #1, Design #3 V0
HIGHLAND 0N-65W-28-1N, VERDAD RR Well, Actual Ensign Surveys V0	COUNTY LINE 3229-25H, Plan A, Design #2 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
KUKER #1, Veni McCos P/A Well, No Surveys V0	COUNTY LINE 3108-17H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Plan A V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Plan B V0	COUNTY LINE 3108-14H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-15H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Dilled-Surface Well, Plan A 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, Actual SLB Surface Surveys V0
COUNTY LINE 3130-05H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-16H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-05H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-04H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	ADAM TEN 1A, CPR P/A Well, No Surveys V0	

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-19H
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 3229-19H	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

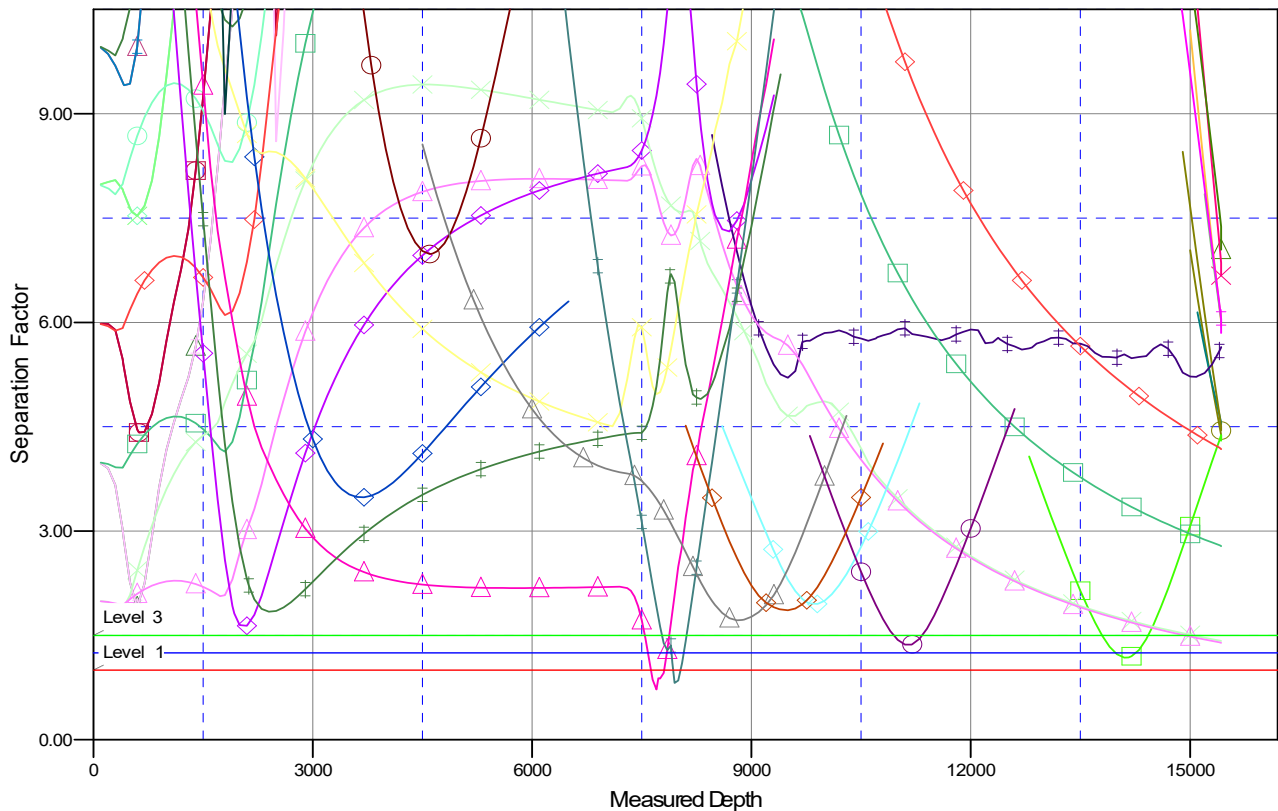
Central Meridian is -105.500000

Coordinates are relative to: COUNTY LINE 3229-19H

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 3130-04H, VERDAD Dilled-Surface, Plan B V0	WALLA 5-15-2L, Confluence Planned Well, BKR Planned Surveys V0
COUNTY LINE 3112-09H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-8-4L, Confluence Planned Well, Planned Pro Directional Surveys V0
COUNTY LINE 3112-09H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-02H, VERDAD Dilled-Surface, Plan B V0	WALLA 5-9-2L, Confluence Planned Well, BKR Planned Surveys V0
COUNTY LINE 3112-02H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	SAWYER-POMELL #324, APEX D/A Well, No Surveys V0
ENGLISH FARMS 8-4HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3130-01H, VERDAD Dilled-Surface, Plan B V0	SACK-HIETT #1, VESSELS P/A Well, No Surveys V0
ENGLISH FARMS 8-4HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-23H, Plan A, Design #2 V0	DREYER #331, PAR Pacific D/A Well, No Surveys V0
ENGLISH FARMS 8-3HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-26H, Plan A, Design #2 V0	SAWYER-GULIKSEN #323, PAR Pacific P/A Well, No Surveys V0
ENGLISH FARMS 8-10HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-22H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Dilled-Surface Well, Plan A V0
ENGLISH FARMS 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, Actual SLB Surface Surveys V0
ENGLISH FARMS 8-7HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-20H, Plan A, Design #2 V0	COUNTY LINE 3107-06H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-6HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-24H, Plan A, Design #2 V0	COUNTY LINE 3107-06H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-6HZ, KM GPR Well, Actual BKR Surveys V0	COUNTY LINE 3229-29H, Plan A, Design #2 V0	COUNTY LINE 3107-07H, Wellbore #1, Design #3 V0
HIGHLAND 0N-65W-29-1N, VERDAD IR Well, Actual Ensign Surveys V0	COUNTY LINE 3108-17H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Dilled-Surface Well, Actual SLB Surface Surveys V0
KILKER #1, Ken McGee P/A Well, No Surveys 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, Plan B V0	COUNTY LINE 3108-15H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-13H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Dilled-Surface Well, Plan A V0
COUNTY LINE 3130-06H, VERDAD Dilled-Surface, Plan B 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 3130-06H, VERDAD Dilled-Surface, Actual SLB Surface Surveys V0	ADAM TEN 1A, CPR P&A Well, No Surveys V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0