

VERDAD RESOURCES

WATTENBERG FIELD

1N-65W-31 COUNTY LINE 3229 PAD

COUNTY LINE 3229-26H

Plan A

Design #2

Anticollision Summary Report

24 May, 2022

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-26H
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 3229-26H	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	17,407.21	Design #2 (Plan A)	ISCWSA MWD	Fixed:v2:standard declination	

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-08 Incomplete Offsets						
ENGLISH FARMS 8-10HZ - KMG PR Well - Actual BKR S						Out of range
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	17,407.21	20,354.00	1,499.36	1,149.29	4.283	CC, ES, SF
ENGLISH FARMS 8-15HZ - KMG PR Sidetrack - Actua	17,407.21	20,551.00	1,230.37	895.10	3.670	CC, ES, SF
ENGLISH FARMS 8-16HZ - KMG PR Well - Actual BKR S	17,407.21	20,309.00	1,027.69	699.46	3.131	CC, ES, SF
ENGLISH FARMS 8-17HZ - KMG PR Well - Actual BKR S	17,407.21	20,266.00	881.64	621.77	3.393	CC, ES, SF
ENGLISH FARMS 8-19HZ - KMG PR Well - Actual BKR S	17,407.21	20,216.00	1,053.36	839.81	4.932	CC, ES, SF
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						Out of range
ENGLISH FARMS 8-8HZ - KMG PR Well - Actual BKR S						Out of range
ENGLISH FARMS 8-9HZ - KMG PR Well - Actual BKR S						Out of range
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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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						
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1N-65W-31 COUNTY LINE 3107 PAD						
COUNTY LINE 3107-05H - Wellbore #1 - Design #3	201.50	195.50	450.25	442.68	59.506	CC, ES
COUNTY LINE 3107-05H - Wellbore #1 - Design #3	400.00	393.84	457.10	449.32	58.800	SF
COUNTY LINE 3107-06H - Wellbore #1 - Design #3	201.50	196.50	435.26	427.69	57.523	CC, ES
COUNTY LINE 3107-06H - Wellbore #1 - Design #3	500.00	488.44	451.04	443.10	56.803	SF
COUNTY LINE 3107-07H - Wellbore #1 - Design #3	201.50	196.50	420.24	412.68	55.539	CC, ES
COUNTY LINE 3107-07H - Wellbore #1 - Design #3	500.00	494.46	435.72	427.78	54.835	SF
COUNTY LINE 3107-08H - Wellbore #1 - Design #3	201.50	197.50	405.26	397.69	53.556	CC, ES
COUNTY LINE 3107-08H - Wellbore #1 - Design #3	500.00	495.46	420.74	412.79	52.942	SF
COUNTY LINE 3107-09H - Wellbore #1 - Design #3	201.50	197.50	390.27	382.70	51.575	CC, ES
COUNTY LINE 3107-09H - Wellbore #1 - Design #3	500.00	495.46	405.75	397.80	51.056	SF
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	100.00	70.84	375.27	367.74	49.859	CC, ES
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	1,900.00	1,729.00	848.76	814.08	24.473	SF
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	100.00	70.84	375.27	367.74	49.859	CC, ES
COUNTY LINE 3107-10H - VERDAD Drilled-Surface We	300.00	270.33	377.18	369.57	49.557	SF
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	100.00	70.89	360.28	352.75	47.867	CC, ES
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	1,900.00	1,729.00	816.89	782.24	23.578	SF
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	100.00	70.89	360.28	352.75	47.867	CC, ES
COUNTY LINE 3107-11H - VERDAD Drilled-Surface Wel	600.00	585.39	381.61	373.55	47.366	SF
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	209.78	181.78	345.00	337.44	45.648	CC, ES
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,800.00	1,775.00	517.79	483.39	15.053	SF
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	209.78	181.78	345.00	337.44	45.648	CC, ES
COUNTY LINE 3107-12H - VERDAD Drilled-Surface We	1,400.00	1,439.63	408.36	397.06	36.142	SF
1N-65W-31 COUNTY LINE 3108 PAD						
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	201.50	198.50	330.26	322.69	43.642	CC, ES
COUNTY LINE 3108-13H - Wellbore #1 - Design #1	2,000.00	2,129.29	482.26	466.28	30.170	SF
COUNTY LINE 3108-14H - Wellbore #1 - Design #1	1,428.12	1,562.04	311.77	300.10	26.710	CC, ES
COUNTY LINE 3108-14H - Wellbore #1 - Design #1	2,000.00	2,130.07	368.67	352.44	22.726	SF
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	1,588.50	1,730.46	284.10	271.32	22.228	CC
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	1,600.00	1,741.96	284.12	271.25	22.075	ES
COUNTY LINE 3108-15H - Wellbore #1 - Design #1	2,100.00	2,239.15	329.74	312.60	19.240	SF
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	1,741.99	1,888.67	255.18	241.22	18.286	CC, ES
COUNTY LINE 3108-16H - Wellbore #1 - Design #1	2,100.00	2,245.66	277.62	260.44	16.161	SF
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	1,887.29	2,035.28	225.14	209.96	14.826	CC
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	1,900.00	2,047.99	225.17	209.86	14.710	ES
COUNTY LINE 3108-17H - Wellbore #1 - Design #1	2,200.00	2,347.28	242.31	224.39	13.525	SF
1N-65W-31 COUNTY LINE 3112 PAD						
COUNTY LINE 3112-01H - Wellbore #1 - Design #3	201.50	192.50	510.26	502.69	67.445	CC, ES
COUNTY LINE 3112-01H - Wellbore #1 - Design #3	300.00	277.18	513.17	505.53	67.193	SF
COUNTY LINE 3112-02H - Wellbore #1 - Design #3	201.50	193.50	495.27	487.70	65.461	CC, ES
COUNTY LINE 3112-02H - Wellbore #1 - Design #3	300.00	285.78	497.22	489.57	65.060	SF
COUNTY LINE 3112-03H - Wellbore #1 - Design #3	201.50	194.50	480.25	472.69	63.474	CC, ES
COUNTY LINE 3112-03H - Wellbore #1 - Design #3	400.00	379.34	488.38	480.62	62.918	SF
COUNTY LINE 3112-04H - Wellbore #1 - Design #3	201.50	194.50	465.26	457.70	61.493	CC, ES
COUNTY LINE 3112-04H - Wellbore #1 - Design #3	400.00	386.79	472.39	464.62	60.810	SF

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Site Error:	0.00 usft	North Reference:	True
Reference Well:	COUNTY LINE 3229-26H	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	208.54	180.01	194.76	187.20	25.762	CC, ES
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - Ac	300.00	271.01	196.30	188.68	25.745	SF
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - PI	208.54	180.01	194.76	187.20	25.762	CC, ES
COUNTY LINE 3130-01H - VERDAD Drilled-Surface - PI	300.00	271.01	196.30	188.68	25.745	SF
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - Ac	217.03	189.00	179.41	171.85	23.726	CC, ES
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - Ac	300.00	272.59	180.54	172.92	23.693	SF
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - PI	217.03	189.00	179.41	171.85	23.726	CC, ES
COUNTY LINE 3130-02H - VERDAD Drilled-Surface - PI	300.00	272.59	180.54	172.92	23.693	SF
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	100.00	70.54	165.10	157.57	21.936	CC, ES
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - Ac	201.50	171.41	165.58	158.03	21.914	SF
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	100.00	70.54	165.10	157.57	21.936	CC, ES
COUNTY LINE 3130-04H - VERDAD Drilled-Surface - PI	201.50	171.41	165.58	158.03	21.914	SF
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - Ac	100.00	70.87	150.02	142.49	19.931	CC, ES
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - Ac	600.00	585.59	159.39	151.31	19.728	SF
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - PI	100.00	70.87	150.02	142.49	19.931	CC, ES
COUNTY LINE 3130-05H - VERDAD Drilled-Surface - PI	600.00	585.59	159.39	151.31	19.728	SF
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - Ac	237.88	210.59	134.36	126.78	17.737	CC, ES
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - Ac	800.00	790.03	146.29	137.55	16.742	SF
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - PI	237.88	210.59	134.36	126.78	17.737	CC, ES
COUNTY LINE 3130-06H - VERDAD Drilled-Surface - PI	800.00	790.03	146.29	137.55	16.742	SF
1N-65W-31 COUNTY LINE 3229 PAD						
COUNTY LINE 3229-18H - Plan A - Design #2	202.04	202.06	120.00	112.43	15.854	CC, ES
COUNTY LINE 3229-18H - Plan A - Design #2	300.00	301.05	121.24	113.59	15.847	SF
COUNTY LINE 3229-19H - Plan A - Design #2	201.50	201.50	104.99	97.43	13.873	CC, ES
COUNTY LINE 3229-19H - Plan A - Design #2	1,900.00	1,966.12	216.60	200.96	13.847	SF
COUNTY LINE 3229-20H - Plan A - Design #2	201.50	201.50	90.00	82.44	11.892	CC, ES
COUNTY LINE 3229-20H - Plan A - Design #2	2,100.00	2,169.13	197.64	179.46	10.870	SF
COUNTY LINE 3229-21H - Plan A - Design #2	201.50	201.50	75.00	67.44	9.910	CC, ES
COUNTY LINE 3229-21H - Plan A - Design #2	2,200.00	2,266.37	165.26	146.01	8.587	SF
COUNTY LINE 3229-22H - Plan A - Design #2	201.50	201.50	60.00	52.43	7.928	CC, ES
COUNTY LINE 3229-22H - Plan A - Design #2	2,200.00	2,260.21	127.34	108.56	6.779	SF
COUNTY LINE 3229-23H - Plan A - Design #2	201.50	201.50	45.00	37.43	5.946	CC, ES
COUNTY LINE 3229-23H - Plan A - Design #2	17,407.21	16,533.68	1,443.73	1,099.26	4.191	SF
COUNTY LINE 3229-24H - Plan A - Design #2	201.50	201.50	30.00	22.43	3.964	CC, ES
COUNTY LINE 3229-24H - Plan A - Design #2	17,407.21	16,647.54	962.50	611.06	2.739	SF
COUNTY LINE 3229-25H - Plan A - Design #2	201.50	201.50	15.00	7.43	1.982	CC, ES
COUNTY LINE 3229-25H - Plan A - Design #2	17,407.21	17,076.96	481.25	129.62	1.369	Level 3, 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 3229-26H	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 Offsets						
ADAM TEN 1-A - CPR P&A Well - No Surveys	2,605.15	2,302.90	390.63	286.33	3.745	CC, ES
ADAM TEN 1-A - CPR P&A Well - No Surveys	2,700.00	2,366.44	396.93	289.29	3.688	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	2,785.75	2,548.73	466.52	431.20	13.208	CC
WALLA 5-15-2L - Confluence Planned Well - BKR Planne	2,800.00	2,560.01	466.61	431.13	13.152	ES
WALLA 5-15-2L - Confluence Planned Well - BKR Planne	2,900.00	2,639.22	471.71	435.34	12.971	SF
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	2,562.10	2,298.89	603.94	573.00	19.515	CC, ES
WALLA 5-8-4L - Confluence Planned Well - Planned Pro	2,800.00	2,458.43	629.20	595.14	18.473	SF
WALLA 5-9-2L - Confluence Planned Well - BKR Planned	4,447.31	3,897.77	357.50	266.11	3.912	CC, ES, SF
1N-65W-32 Offsets						
*KILKER 1 - VESSELS P&A Well - No Surveys	14,000.00	7,245.00	557.54	172.84	1.449	Level 3, SF
*KILKER 1 - VESSELS P&A Well - No Surveys	14,100.00	7,245.00	538.27	169.70	1.460	Level 3, ES
*KILKER 1 - VESSELS P&A Well - No Surveys	14,155.56	7,245.00	535.40	175.15	1.486	Level 3, CC
*SAWYER 32-2 - NANKE ENERGY SI Well - No Surveys	7,842.82	5,825.66	753.34	409.93	2.194	CC
*SAWYER 32-2 - NANKE ENERGY SI Well - No Surveys	7,900.00	5,863.96	754.54	408.71	2.182	ES, SF
*SAWYER 32-34 - ABD D/A Well - No Surveys	7,727.79	5,750.60	1,428.58	1,090.43	4.225	CC
*SAWYER 32-34 - ABD D/A Well - No Surveys	7,800.00	5,798.97	1,429.58	1,088.19	4.188	ES
*SAWYER 32-34 - ABD D/A Well - No Surveys	8,100.00	5,999.95	1,455.06	1,102.21	4.124	SF
DREYER #32-1 - PAR Pacific D/A Well - No Surveys						Out of range
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	4,680.56	3,678.23	898.35	703.69	4.615	CC
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	4,800.00	3,758.25	902.72	702.93	4.518	ES
SACK-HIETT #1 - VESSELS P/A Well - No Surveys	4,900.00	3,825.24	913.00	709.41	4.485	SF
SAWYER/POWELL #32-4 - APEX D/A Well - No Surveys						Out of range
SAWYER-GULLIKSEN #32-3 - PAR Pacific P/A Well - No						Out of range
1N-65W-33 Offsets Incomplete						
BUFORD 33-10-2L - Confluence Drilled Well - Plan Only	10,304.05	7,911.79	971.18	905.11	14.699	CC
BUFORD 33-10-2L - Confluence Drilled Well - Plan Only	17,407.21	15,016.72	982.48	642.20	2.887	ES, SF
DESHA 4-15-1 - Confluence PR Well - Actual BKR Surve	9,901.55	7,127.44	663.62	565.15	6.739	CC
DESHA 4-15-1 - Confluence PR Well - Actual BKR Surve	10,000.00	7,116.00	674.94	559.28	5.836	ES
DESHA 4-15-1 - Confluence PR Well - Actual BKR Surve	10,200.00	7,052.91	756.32	616.23	5.399	SF

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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

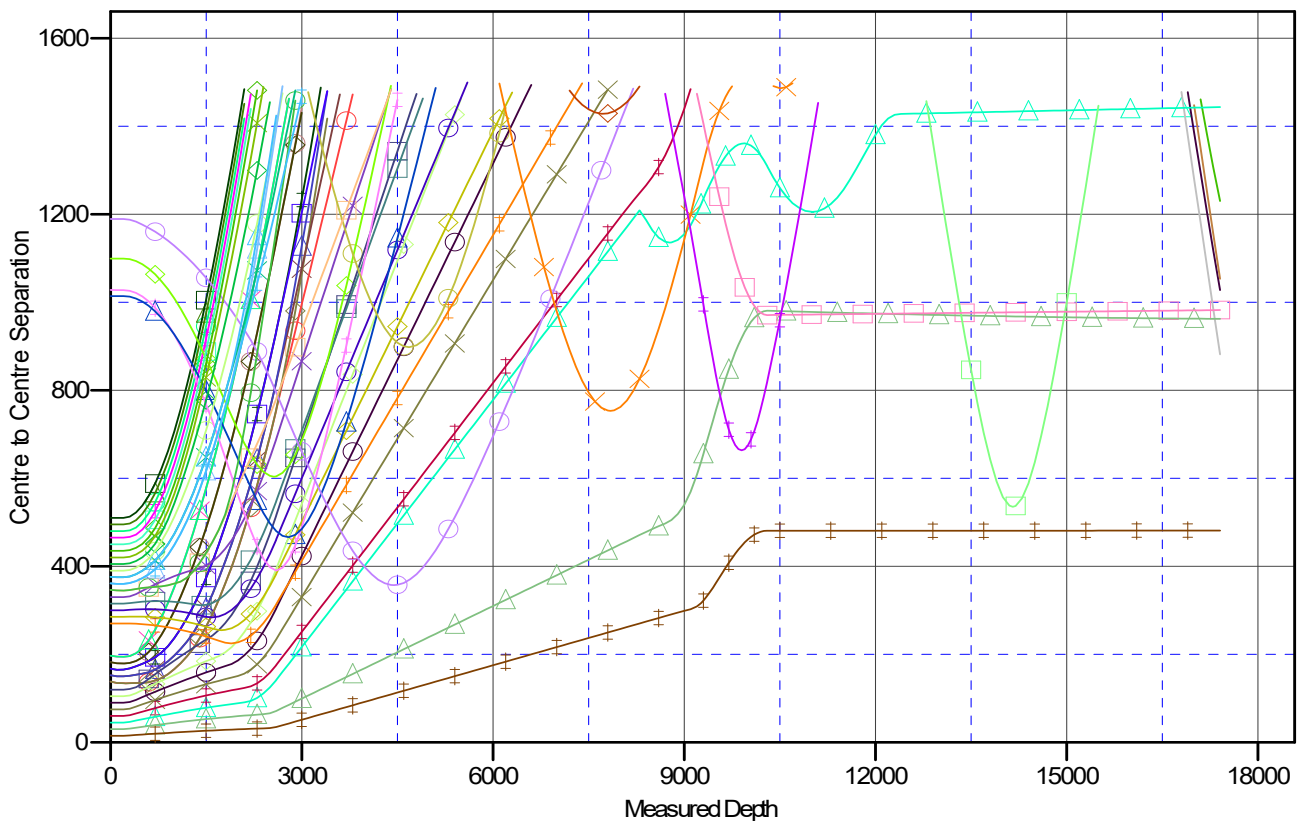
Central Meridian is -105.500000

Coordinates are relative to: COUNTY LINE 3229-26H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.52°

Ladder Plot



LEGEND

COUNTY LINE 3112-04H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Drilled-Surface, Plan B V0	*KILKER 1, VESSELS P&A Well, No Surveys V0
COUNTY LINE 3112-01H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-23H, Plan A, Design #2 V0	SACK-HIETT #1, VESSELS P/A Well, No Surveys V0
COUNTY LINE 3112-03H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-22H, Plan A, Design #2 V0	*SAWYER 3284, ABD D/A Well, No Surveys V0
COUNTY LINE 3112-02H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-21H, Plan A, Design #2 V0	*SAWYER 322, NANKE ENERGY S1 Well, No Surveys V0
ENGLISH FARMS 8-19H2X, KMG PR Sidetrack, Actual BKR Surveys V0	COUNTY LINE 3229-18H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Drilled-Surface Well, Plan A V0
ENGLISH FARMS 8-17H2, KMG PR Well Actual BKR Surveys V0	COUNTY LINE 3229-20H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Drilled-Surface Well, Actual SLB Surface Surveys V0
ENGLISH FARMS 8-16H2, KMG PR Well Actual BKR Surveys V0	COUNTY LINE 3229-24H, Plan A, Design #2 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-14H2, KMG PR Well Actual BKR Surveys V0	COUNTY LINE 3229-25H, Plan A, Design #2 V0	COUNTY LINE 3107-07H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-19H2, KMG PR Well Actual BKR Surveys V0	COUNTY LINE 3229-19H, Plan A, Design #2 V0	COUNTY LINE 3107-11H, VERDAD Drilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-06H, VERDAD Drilled-Surface, Plan B V0	COUNTY LINE 3108-17H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Drilled-Surface Well, Plan A V0
COUNTY LINE 3130-06H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-14H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-05H, VERDAD Drilled-Surface, Plan B V0	COUNTY LINE 3108-15H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Drilled-Surface Well, Plan A V0
COUNTY LINE 3130-05H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-13H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Drilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-04H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-06H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-04H, VERDAD Drilled-Surface, Plan B V0	ADAM TEN 1A, CPR P&A Well, No Surveys V0	
COUNTY LINE 3130-02H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-15-2L, Confluence Planned Well, BKR Planned Surveys V0	BUFORD 3310-2L, Confluence Drilled Well - Plan Only Available on COGCC, Pro D Planned Surveys
COUNTY LINE 3130-02H, VERDAD Drilled-Surface, Plan B V0	WALLA 5-8-4L, Confluence Planned Well, Planned Pro Directional Surveys V0	DESHA 4-151, Confluence PR Well, Actual BKR Surveys V0
COUNTY LINE 3130-01H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-6-2L, Confluence Planned Well, BKR Planned Surveys V0	

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well COUNTY LINE 3229-26H
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 3229-26H	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

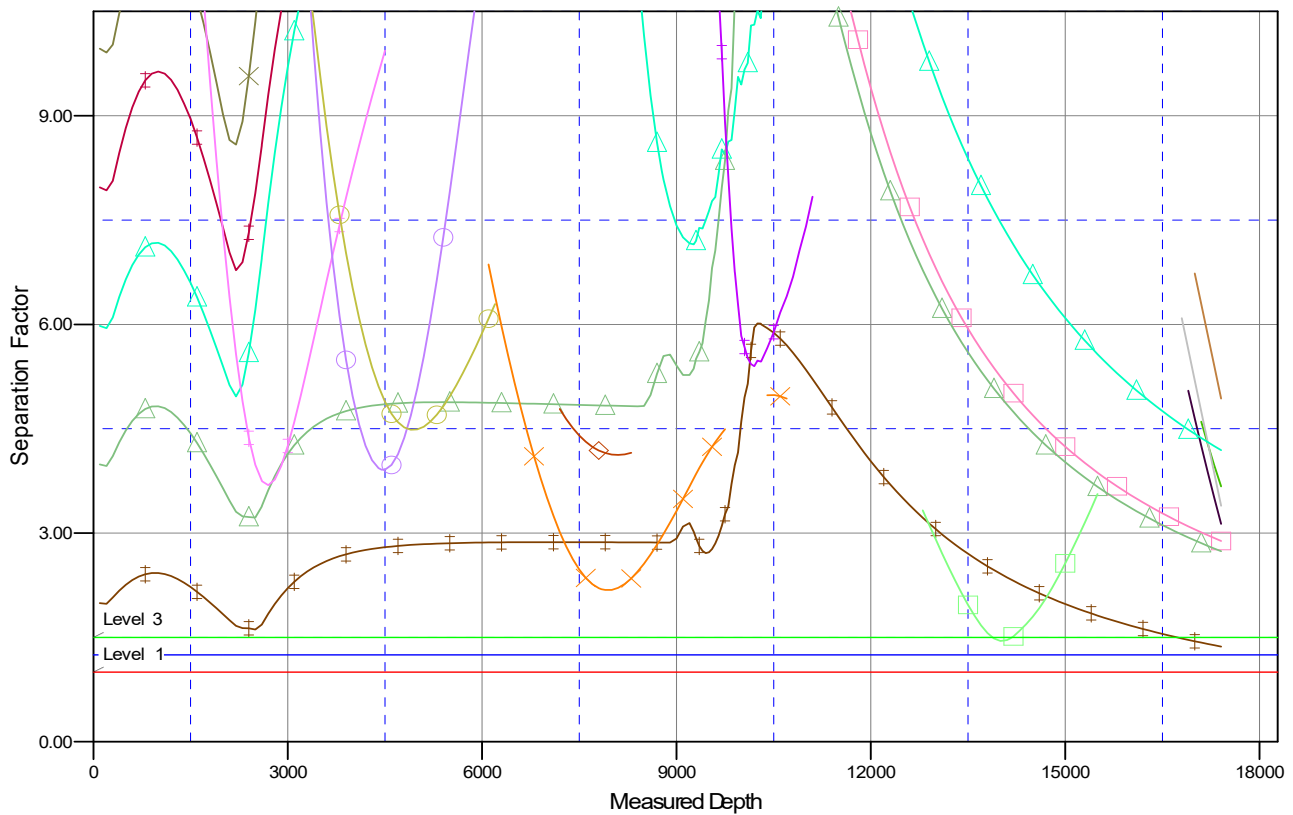
Central Meridian is -105.500000

Coordinates are relative to: COUNTY LINE 3229-26H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.52°

Separation Factor Plot



LEGEND

COUNTY LINE 3112-04H, Wellbore #1, Design #3 V0	COUNTY LINE 3130-01H, VERDAD Drilled-Surface, Plan B V0	*KILKER 1, VESSELS P&A Well, No Surveys V0
COUNTY LINE 3112-01H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-23H, Plan A, Design #2 V0	SACK-HIETT #1, VESSELS P/A Well, No Surveys V0
COUNTY LINE 3112-03H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-22H, Plan A, Design #2 V0	*SAWYER 3284, ABD D/A Well, No Surveys V0
COUNTY LINE 3112-02H, Wellbore #1, Design #3 V0	COUNTY LINE 3229-21H, Plan A, Design #2 V0	*SAWYER 322, NANKE ENERGY SI Well, No Surveys V0
ENGLISH FARMS 8-19H2X, KM G PR Well, Actual BKR Surveys V0	COUNTY LINE 3229-19H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Drilled-Surface Well, Plan A V0
ENGLISH FARMS 8-17H2, KM G PR Well, Actual BKR Surveys V0	COUNTY LINE 3229-20H, Plan A, Design #2 V0	COUNTY LINE 3107-12H, VERDAD Drilled-Surface Well, Actual SLB Surface Surveys V0
ENGLISH FARMS 8-16H2, KM G PR Well, Actual BKR Surveys V0	COUNTY LINE 3229-24H, Plan A, Design #2 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-14H2, KM G PR Well, Actual BKR Surveys V0	COUNTY LINE 3229-25H, Plan A, Design #2 V0	COUNTY LINE 3107-07H, Wellbore #1, Design #3 V0
ENGLISH FARMS 8-19H2, KM G PR Well, Actual BKR Surveys V0	COUNTY LINE 3229-19H, Plan A, Design #2 V0	COUNTY LINE 3107-11H, VERDAD Drilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-06H, VERDAD Drilled-Surface, Plan B V0	COUNTY LINE 3108-17H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-11H, VERDAD Drilled-Surface Well, Plan A V0
COUNTY LINE 3130-06H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-14H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-08H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-05H, VERDAD Drilled-Surface, Plan B V0	COUNTY LINE 3108-15H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Drilled-Surface Well, Plan A V0
COUNTY LINE 3130-05H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-13H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-10H, VERDAD Drilled-Surface Well, Actual SLB Surface Surveys V0
COUNTY LINE 3130-04H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	COUNTY LINE 3108-16H, Wellbore #1, Design #1 V0	COUNTY LINE 3107-09H, Wellbore #1, Design #3 V0
COUNTY LINE 3130-04H, VERDAD Drilled-Surface, Plan B V0	ADAM TEN 1A, CPR P&A Well, No Surveys V0	BUFORD 3310-2L, Confluence Drilled Well - Plan Only Available on COGCC, Pro D Planned Surveys
COUNTY LINE 3130-02H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-15-2L, Confluence Planned Well, BKR Planned Surveys V0	DESHA 4-151, Confluence PR Well, Actual BKR Surveys V0
COUNTY LINE 3130-02H, VERDAD Drilled-Surface, Plan B V0	WALLA 5-8-4L, Confluence Planned Well, Planned Pro Directional Surveys V0	
COUNTY LINE 3130-01H, VERDAD Drilled-Surface, Actual SLB Surface Surveys V0	WALLA 5-9-2L, Confluence Planned Well, BKR Planned Surveys V0	