

VERDAD RESOURCES

**WATTENBERG FIELD
2N-64W-28 GEORGENE PAD
GEORGENE 2833-05H**

**Plan B
Design #3**

Anticollision Summary Report

28 October, 2022

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well GEORGENE 2833-05H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 24' @ 5042.00usft (RIG)
Reference Site:	2N-64W-28 GEORGENE PAD	MD Reference:	RKB = 24' @ 5042.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGENE 2833-05H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan B	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #3	Offset TVD Reference:	Offset Datum

Reference	Design #3		
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 1,000.00usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	10/28/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	2,376.00	Design #3 (Plan B)	ISCWSA MWD	Fixed:v2:standard declination	
2,376.00	15,184.03	Design #3 (Plan B)	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-64W-05 Offsets						
GRINDE 01-64-05 0108C - HPR PR Well - Actual Atlas S	15,184.03	15,606.10	877.07	697.19	4.876	CC, ES, SF
2N-64W-28 GEORGENE PAD						
GEORGENE 2833-01H - Plan B - Design #3	200.00	200.00	64.00	56.43	8.457	CC, ES, SF
GEORGENE 2833-02H - Plan B - Design #3	200.00	200.00	48.00	40.43	6.343	CC, ES, SF
GEORGENE 2833-03H - Plan B - Design #3	208.35	208.35	32.00	24.43	4.226	CC, ES, SF
GEORGENE 2833-04H - Plan B - Design #3	208.51	208.51	16.00	8.43	2.113	CC
GEORGENE 2833-04H - Plan B - Design #3	300.00	299.94	16.04	8.39	2.096	ES
GEORGENE 2833-04H - Plan B - Design #3	15,184.03	15,326.75	541.70	250.66	1.861	SF
GEORGENE 2833-06H - Plan B - Design #3	300.00	300.00	16.00	8.35	2.091	CC, ES
GEORGENE 2833-06H - Plan B - Design #3	15,184.03	15,157.18	541.69	253.01	1.876	SF
GEORGENE 2833-07H - Plan B - Design #3	300.00	300.00	32.00	24.35	4.181	CC, ES, SF
GEORGENE 2833-08H - Plan B - Design #3	200.00	200.00	48.00	40.43	6.343	CC
GEORGENE 2833-08H - Plan B - Design #3	300.00	299.93	48.06	40.41	6.281	ES, SF
2N-64W-28 Offsets Incomplete						
BRNAK 34-28 - Noble T/A Well - No Surveys	9,605.26	7,008.00	151.51	-138.48	0.522	Level 1, CC, ES, SF
BRNAK 44-28 - Noble T/A Well - No Surveys	1,686.61	1,601.10	45.09	-20.19	0.691	Level 1, CC, ES, SF
BRNAK 77-28 - Noble P&A Well - No Surveys	3,821.74	3,456.59	94.99	-56.21	0.628	Level 1, CC, ES, SF
GREER 13-28 - Noble T/A Well - No Surveys						Out of range
GREER 14-28 - Noble T/A Well - No Surveys						Out of range
GREER 23-28 - Noble T/A Well - No Surveys	8,000.00	6,977.91	934.57	634.59	3.115	SF
GREER 23-28 - Noble T/A Well - No Surveys	8,050.00	6,983.53	930.59	632.43	3.121	ES
GREER 23-28 - Noble T/A Well - No Surveys	8,078.92	6,984.86	929.97	632.97	3.131	CC
GREER 24-28 - Noble T/A Well - No Surveys						Out of range
STONEBRAKER 32-28 - PDC P&A Well - No Surveys	7,243.76	6,452.35	557.83	305.50	2.211	CC
STONEBRAKER 32-28 - PDC P&A Well - No Surveys	7,250.00	6,458.37	557.87	305.25	2.208	ES
STONEBRAKER 32-28 - PDC P&A Well - No Surveys	7,300.00	6,506.38	560.63	305.63	2.199	SF
STONEBRAKER 42-28 - PDC P&A Well - No Surveys						Out of range
STONEBREAKER 28V-234 - PDC PR Well - Actual Ensi	7,397.18	8,593.23	859.27	763.84	9.004	CC
STONEBREAKER 28V-234 - PDC PR Well - Actual Ensi	7,400.00	8,593.72	859.28	763.70	8.990	ES
STONEBREAKER 28V-234 - PDC PR Well - Actual Ensi	7,500.00	8,611.60	874.23	774.14	8.734	SF
STONEBREAKER 28W-304 - PDC PR Well - Actual Ens	7,574.53	8,708.58	330.09	246.46	3.947	CC
STONEBREAKER 28W-304 - PDC PR Well - Actual Ens	7,600.00	8,713.79	331.59	243.78	3.776	ES
STONEBREAKER 28W-304 - PDC PR Well - Actual Ens	7,650.00	8,723.32	343.02	248.30	3.622	SF

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Reference Wellbore	Plan B	Database:	EDM 5000.16 Single User Db
Reference Design:	Design #3	Offset TVD Reference:	Offset Datum

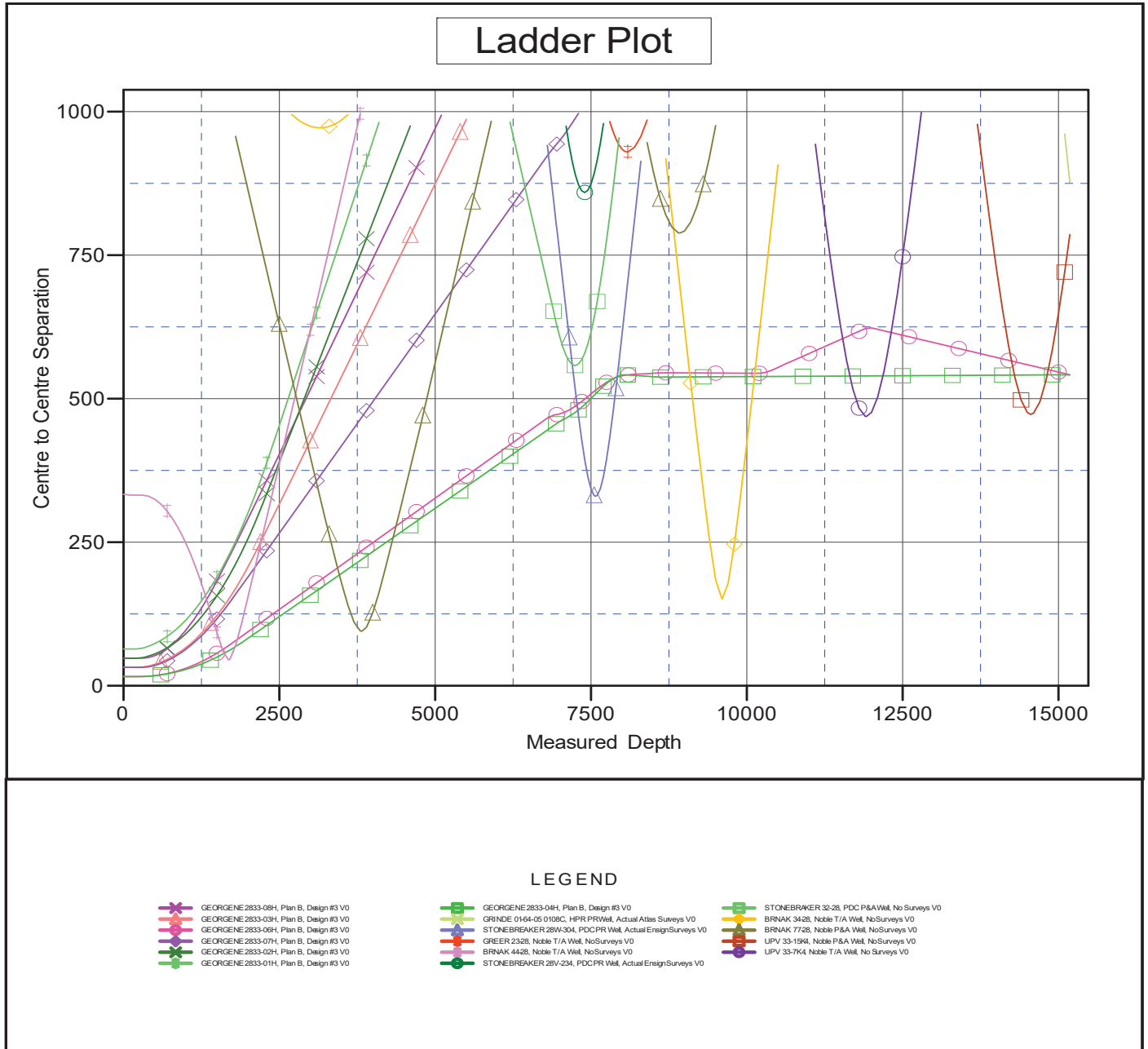
Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
2N-64W-29 Offsets						
BAUMGARTNER 14-29 - Noble P&A Well - Actual VES S						Out of range
BELL #41-29 - Noble T/A Well - No Surveys						Out of range
Bell USX #Y29-03 - Noble T/A Well - No Surveys						Out of range
JIM CREEK #1-29 - Noble P&A Well - No Surveys						Out of range
KAMINSKY #1-29 - Noble P&A Well - Actual VES Survey						Out of range
NGL C5 - NGL T/A IJ Well - No Surveys						Out of range
NGL C5A - NGL IJ Well - Actual Ensign Surveys						Out of range
NGL C5B - NGL IJ Well - Actual Total Surveys						Out of range
PARKER #29-34 - Noble SI Well - Actual Coretech Surve						Out of range
2N-64W-32 Offsets						
Ruhl 1K-32H-B264 - CPR PR Well - Actual Cathedral Su						Out of range
Ruhl 1L-32H-B264 - CPR PR Well - Actual Cathedral Su						Out of range
2N-64W-33 Offsets						
JACKSON 33-6H - Verdad PR Well - Actual BHI Surveys						Out of range
JACKSON 33-7H - Verdad PR Well - Actual BHI Surveys						Out of range
UPV 33-13K4 - Noble T/A Well - No Surveys						Out of range
UPV 33-15K4 - Noble P&A Well - No Surveys	14,556.25	7,044.00	472.74	93.69	1.247	Level 2, CC, ES, SF
UPV 33-7K4 - Noble T/A Well - No Surveys	11,918.13	7,048.00	469.08	145.75	1.451	Level 3, CC, ES, SF
2N-64W-34 Offsets Incomplete						
FRITZLER 12-34 - Noble PR Well - Actual VES Surveys						Out of range

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Reference Design:	Design #3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 24' @ 5042.00usft (RIG)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: GEORGENE 2833-05H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.61°



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Offset Depths are relative to Offset Datum

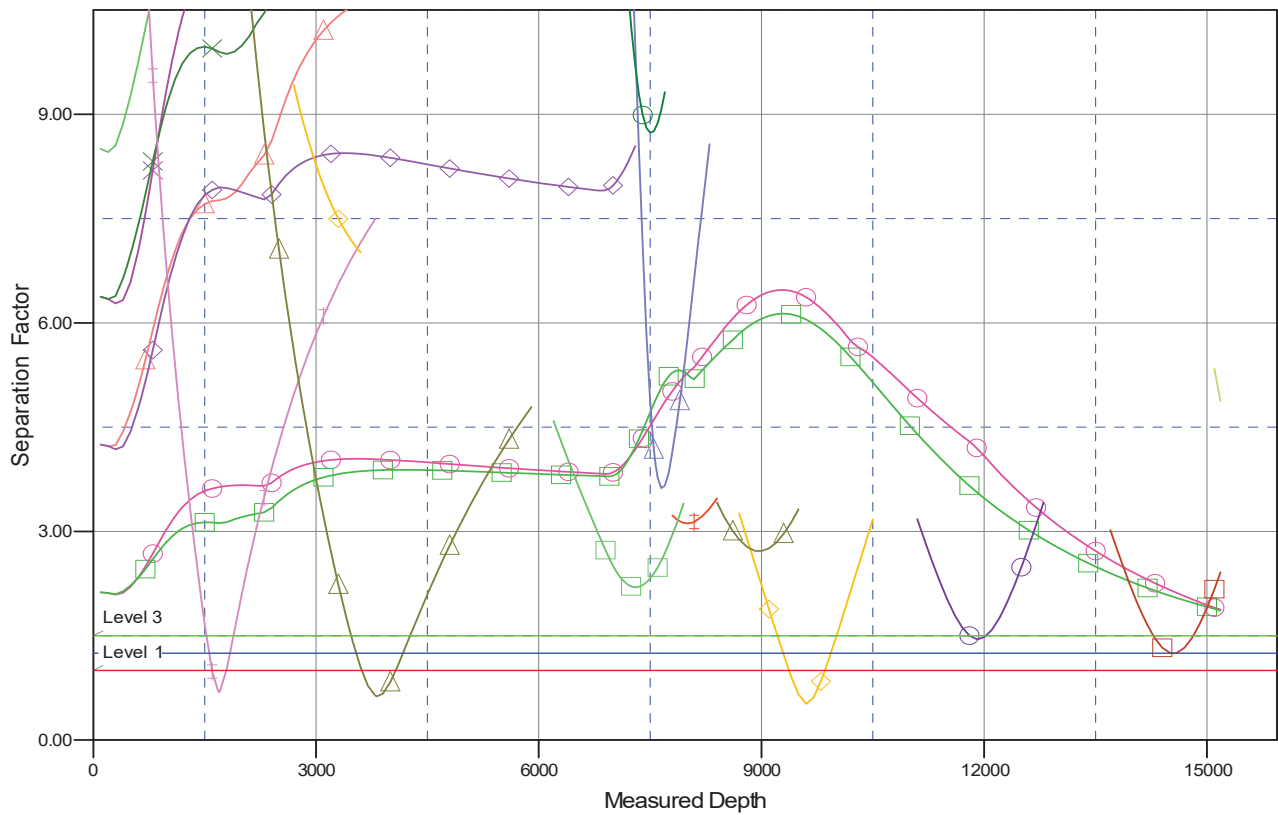
Central Meridian is -105.500000

Coordinates are relative to: GEORGENE 2833-05H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.61°

Separation Factor Plot



LEGEND

GEORGENE 2833-08H, Plan B, Design #3 V0	GEORGENE 2833-04H, Plan B, Design #3 V0	STONEBREAKER 32-38, PDCPR Well, No Surveys V0
GEORGENE 2833-02H, Plan B, Design #3 V0	GRINDE 0164-06 0109C, HPRPR Well, Actual Atlas Surveys V0	BRNAK 3428, Noble T/A Well, No Surveys V0
GEORGENE 2833-06H, Plan B, Design #3 V0	STONEBREAKER 28W-304, PDCPR Well, Actual Ensign Surveys V0	BRNAK 7728, Noble P&A Well, No Surveys V0
GEORGENE 2833-07H, Plan B, Design #3 V0	GREER 2328, Noble T/A Well, No Surveys V0	UPV 33-19K4, Noble P&A Well, No Surveys V0
GEORGENE 2833-02H, Plan B, Design #3 V0	BRNAK 4428, Noble T/A Well, No Surveys V0	UPV 33-7K4, Noble T/A Well, No Surveys V0
GEORGENE 2833-01H, Plan B, Design #3 V0	STONEBREAKER 28V-234, PDCPR Well, Actual Ensign Surveys V0	