

VERDAD RESOURCES

**WATTENBERG FIELD
1N-64W-17 WARNER PAD
WARNER 1708-04H**

**Plan B
Design #1**

Anticollision Summary Report

24 May, 2023

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well WARNER 1708-04H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 20' @ 5088.00usft (RIG)
Reference Site:	1N-64W-17 WARNER PAD	MD Reference:	RKB = 20' @ 5088.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	WARNER 1708-04H	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 #1	Offset TVD Reference:	Offset Datum

Reference	Design #1		
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	5/24/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	2,120.00	Design #1 (Plan B)	ISCWSA MWD	Fixed:v2:standard declination	
2,120.00	17,369.57	Design #1 (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 01-64-05-6457CB - HPR PR Well - Actual Atlas	17,369.57	9,207.80	374.42	277.63	3.868	CC, ES, SF
1N-64W-08 Offsets						
BLACKBURN 01N-64W-08-8N - Verdad SI Well - Actual						Out of range
EAST HUDSON A/HUBBS #1-8 - Classic Petroleum D/A	15,778.14	7,077.00	95.70	-355.95	0.212	Level 1, CC, ES, SF
1N-64W-17 WARNER PAD						
WARNER 01N-64W-17-1H - Verdad SI Well - Actual BHI	151.00	146.00	53.73	46.18	7.115	CC, ES
WARNER 01N-64W-17-1H - Verdad SI Well - Actual BHI	17,369.57	17,436.00	1,482.88	1,020.46	3.207	SF
WARNER 01N-64W-17-2H - Verdad SI Well - Actual BHI	100.00	94.95	39.01	31.47	5.178	CC, ES
WARNER 01N-64W-17-2H - Verdad SI Well - Actual BHI	17,369.57	17,326.00	1,173.30	711.68	2.542	SF
WARNER 1708-03H - Plan B - Design #1	215.99	215.99	15.90	8.32	2.098	CC
WARNER 1708-03H - Plan B - Design #1	300.00	299.99	15.90	8.25	2.077	ES
WARNER 1708-03H - Plan B - Design #1	17,369.57	17,400.42	559.99	81.00	1.169	Level 2, SF
WARNER 1708-05H - Plan B - Design #1	200.00	200.00	16.02	8.45	2.116	CC
WARNER 1708-05H - Plan B - Design #1	200.01	200.01	16.02	8.45	2.116	ES
WARNER 1708-05H - Plan B - Design #1	17,369.57	17,368.75	558.87	79.77	1.167	Level 2, SF
WARNER 1708-06H - Plan B - Design #1	1,100.00	1,100.00	31.98	22.31	3.308	CC, ES
WARNER 1708-06H - Plan B - Design #1	17,369.57	17,393.37	1,130.05	651.52	2.361	SF
WARNER 1708-07H - Plan B - Design #1	207.10	207.10	47.94	40.36	6.330	CC, ES
WARNER 1708-07H - Plan B - Design #1	300.00	299.44	48.15	40.50	6.292	SF
WARNER 1708-08H - Plan B - Design #1	200.00	200.00	64.18	56.61	8.479	CC, ES, SF
WARNER 1708-09H - Plan A - Design #1	200.00	200.00	80.14	72.57	10.589	CC, ES, SF
1N-64W-20 Offsets						
STALKING WOLF #1 - Karen D/A Well - No Surveys						Out of range
TURECEK #1-20 - Duncan P&A Well - No Surveys						Out of range

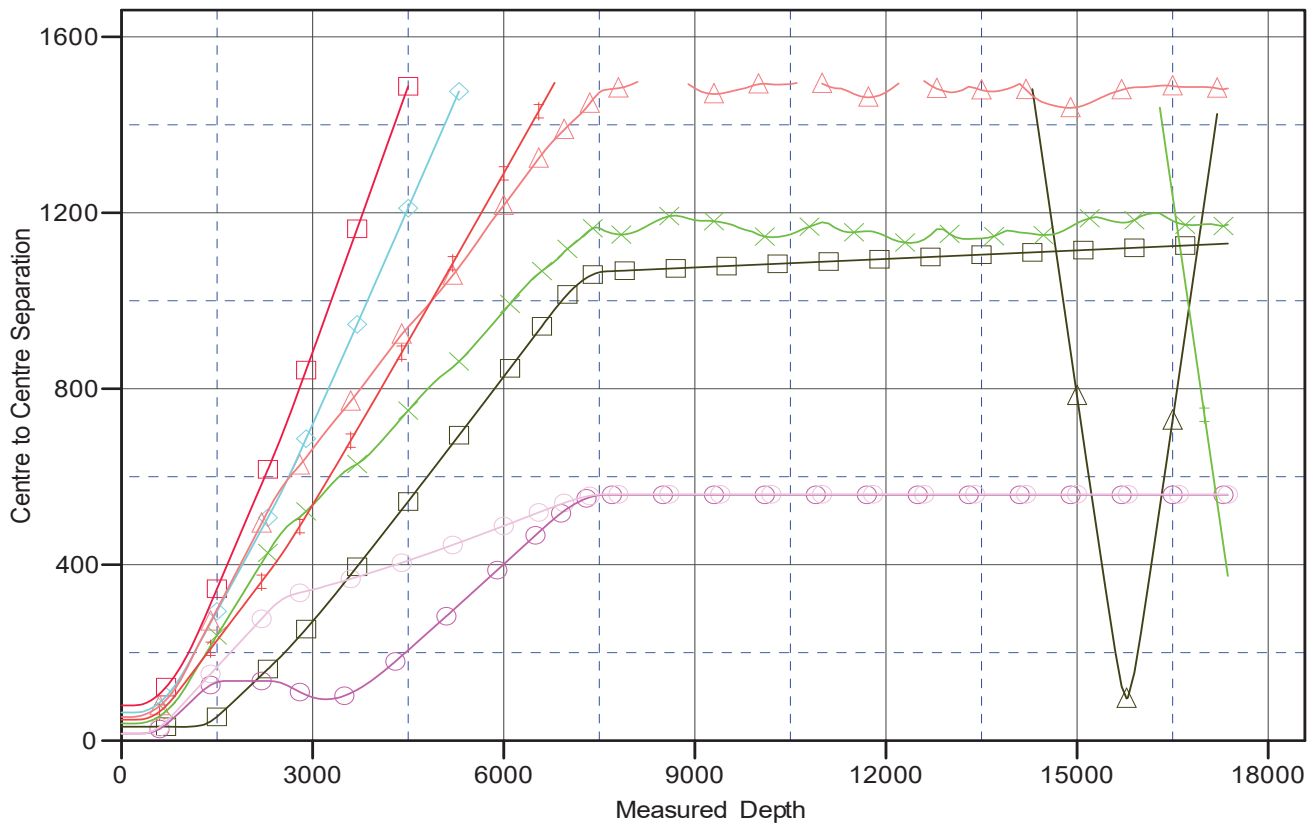
Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well WARNER 1708-04H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 20' @ 5088.00usft (RIG)
Reference Site:	1N-64W-17 WARNER PAD	MD Reference:	RKB = 20' @ 5088.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	WARNER 1708-04H	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 #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 20' @ 5088.00usft (RIG)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: WARNER 1708-04H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.60°

Ladder Plot



LEGEND

EAST HUDSON A/HUBBS #1-B, Basic Petroleum D/A Well, No Surveys V0	WARNER 1708-09H, Plan B, Design #1 V0	WARNER 1708-07H, Plan B, Design #1 V0
GRINDE 0164-05-6457CB, HPR RR Well, Actual Atlas Surveys V0	WARNER 01N-64W-17-2H, VerdadSI Well, Actual BHI Surveys V0	WARNER 1708-03H, Plan B, Design #1 V0
WARNER 1708-09H, Plan B, Design #1 V0	WARNER 1708-09H, Plan A, Design #1 V0	
WARNER 1708-05H, Plan B, Design #1 V0	WARNER 01N-64W-17-1H, VerdadSI Well, Actual BHI Surveys V0	

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well WARNER 1708-04H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 20' @ 5088.00usft (RIG)
Reference Site:	1N-64W-17 WARNER PAD	MD Reference:	RKB = 20' @ 5088.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	WARNER 1708-04H	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 #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 20' @ 5088.00usft (RIG)

Offset Depths are relative to Offset Datum

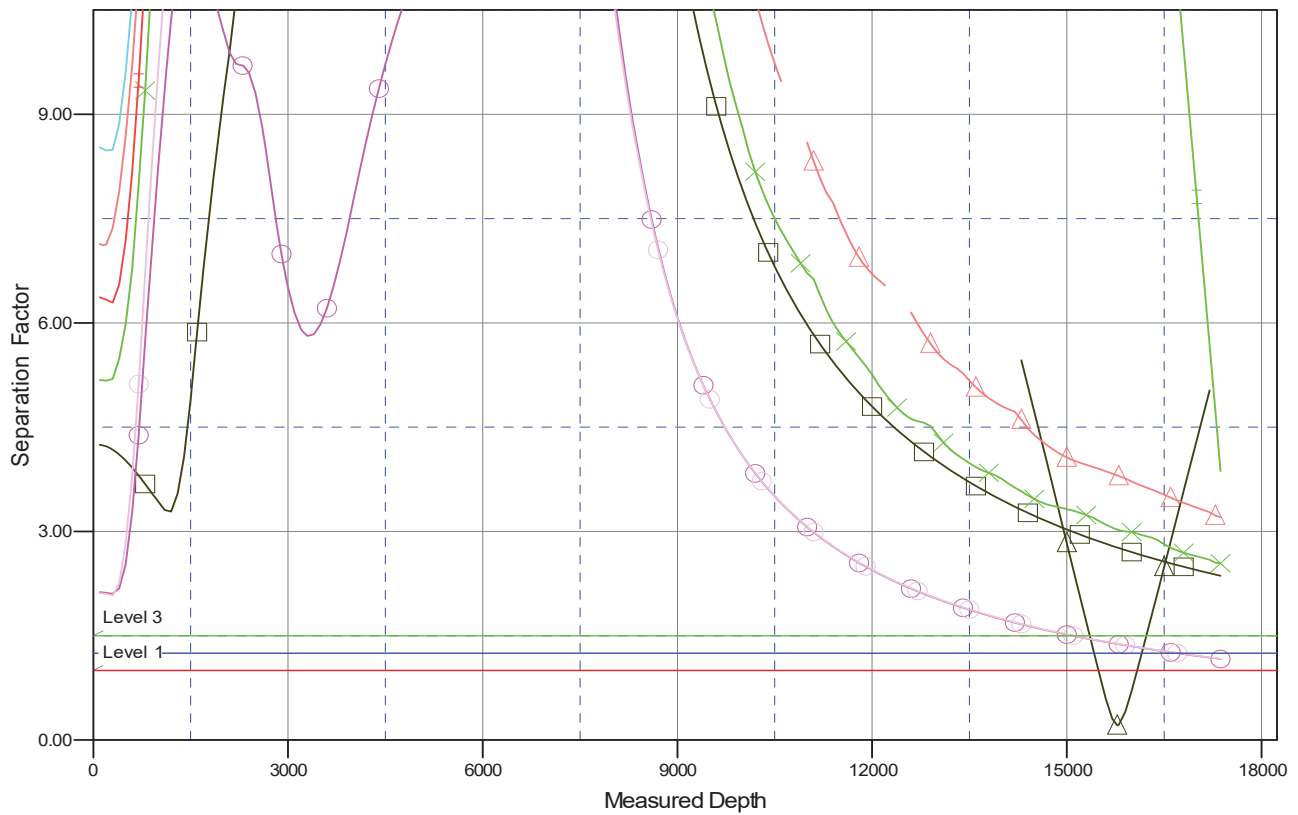
Central Meridian is -105.500000

Coordinates are relative to: WARNER 1708-04H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.60°

Separation Factor Plot



LEGEND

EAST HUDSON/HUBBS #1-8, Classic Petroleum D/A Well, No Surveys V0	WARNER 1708-08H, Plan B, Design #1 V0	WARNER 1708-07H, Plan B, Design #1 V0
GRINDE 0164-05-6457CB, HPR PR Well, Actual Atlas Surveys V0	WARNER 01N-64W-17-2H, Verdast Well, Actual BH# Surveys V0	WARNER 1708-03H, Plan B, Design #1 V0
WARNER 1708-06H, Plan B, Design #1 V0	WARNER 01N-64W-17-1H, Verdast Well, Actual BH# Surveys V0	
WARNER 1708-05H, Plan B, Design #1 V0		