

# **VERDAD RESOURCES**

**WATTENBERG FIELD  
1N-64W-17 WARNER PAD  
WARNER 1708-03H**

**Plan B  
Design #1**

## **Anticollision Summary Report**

**24 May, 2023**

## Anticollision Summary Report

<b>Company:</b>	VERDAD RESOURCES	<b>Local Co-ordinate Reference:</b>	Well WARNER 1708-03H
<b>Project:</b>	WATTENBERG FIELD	<b>TVD Reference:</b>	RKB = 20' @ 5088.00usft (RIG)
<b>Reference Site:</b>	1N-64W-17 WARNER PAD	<b>MD Reference:</b>	RKB = 20' @ 5088.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	WARNER 1708-03H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Plan B	<b>Database:</b>	EDM 5000.16 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	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	17,401.29	Design #1 (Plan B)	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-64W-05 Offsets						
GRINDE 01-64-05-6457CB - HPR PR Well - Actual Atlas	17,401.29	8,641.47	369.23	286.28	4.451	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	15,809.04	7,077.00	464.33	12.73	1.028	Level 2, CC, ES, SF
1N-64W-17 WARNER PAD						
WARNER 01N-64W-17-1H - Verdad SI Well - Actual BHI	151.41	146.41	38.80	31.24	5.137	CC, ES
WARNER 01N-64W-17-1H - Verdad SI Well - Actual BHI	17,401.29	17,436.00	924.25	460.57	1.993	SF
WARNER 01N-64W-17-2H - Verdad SI Well - Actual BHI	100.00	94.97	25.18	17.65	3.343	CC, ES
WARNER 01N-64W-17-2H - Verdad SI Well - Actual BHI	17,312.16	17,326.00	612.26	156.12	1.342	Level 3, SF
WARNER 1708-04H - Plan B - Design #1	298.00	298.00	15.90	8.25	2.078	CC
WARNER 1708-04H - Plan B - Design #1	300.00	300.00	15.90	8.25	2.077	ES
WARNER 1708-04H - Plan B - Design #1	17,401.29	17,369.57	559.99	81.02	1.169	Level 2, SF
WARNER 1708-05H - Plan B - Design #1	200.00	200.00	31.92	24.35	4.217	CC
WARNER 1708-05H - Plan B - Design #1	298.00	297.97	31.96	24.31	4.179	ES
WARNER 1708-05H - Plan B - Design #1	17,401.29	17,368.75	1,118.87	639.83	2.336	SF
WARNER 1708-06H - Plan B - Design #1	298.00	298.00	47.88	40.23	6.256	CC
WARNER 1708-06H - Plan B - Design #1	300.00	300.00	47.88	40.23	6.255	ES, SF
WARNER 1708-07H - Plan B - Design #1	207.99	207.99	63.84	56.26	8.429	CC, ES
WARNER 1708-07H - Plan B - Design #1	298.00	297.29	64.03	56.38	8.369	SF
WARNER 1708-08H - Plan B - Design #1	200.00	200.00	80.08	72.51	10.580	CC, ES
WARNER 1708-08H - Plan B - Design #1	298.00	296.24	80.81	73.16	10.565	SF
WARNER 1708-09H - Plan A - Design #1	200.00	200.00	96.04	88.47	12.689	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

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<b>Reference Wellbore</b>	Plan B	<b>Database:</b>	EDM 5000.16 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

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

Offset Depths are relative to Offset Datum

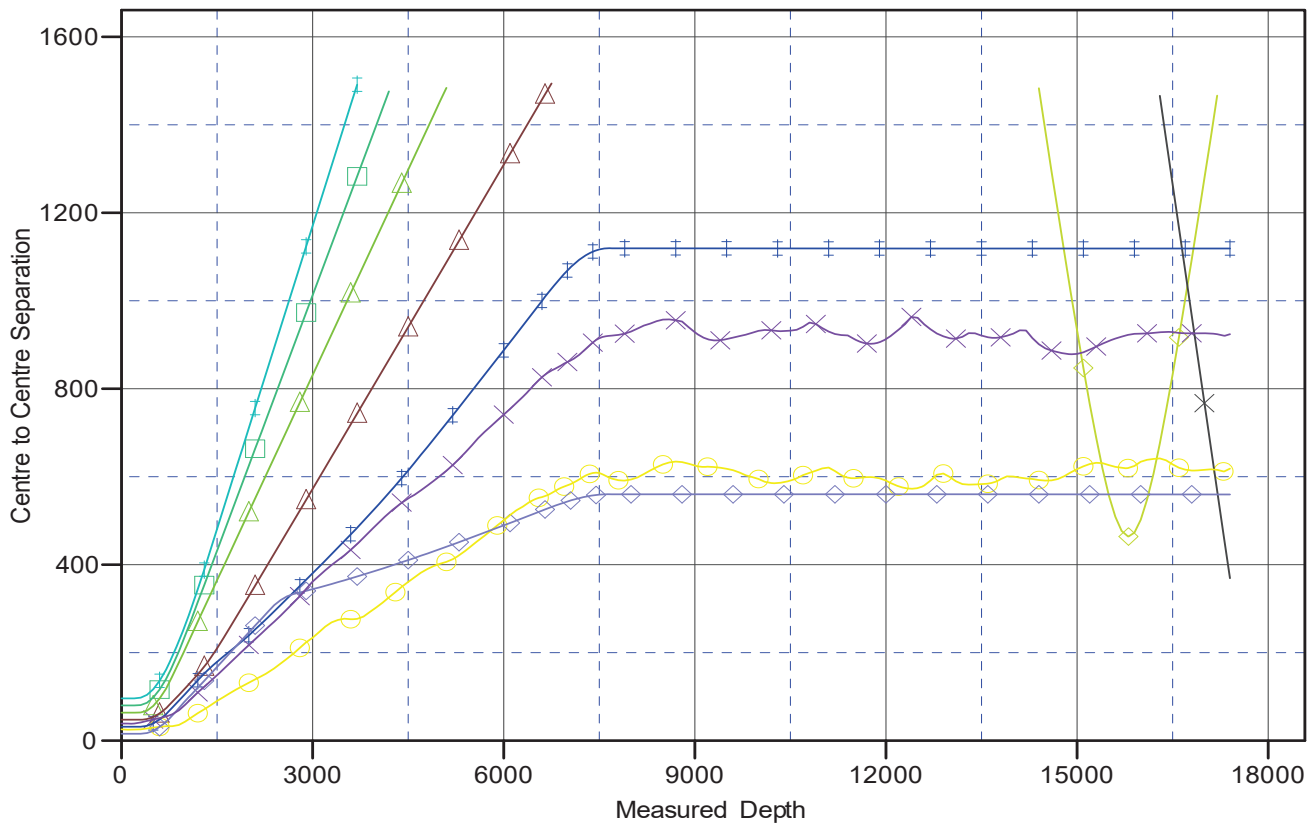
Central Meridian is -105.500000

Coordinates are relative to: WARNER 1708-03H

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, Classic Petroleum D/A Well, No Surveys V0	WARNER 1708-08H, Plan B, Design #1 V0	WARNER 01N-64W-17-11H, VerdastSI Well, Actual BHI Surveys V0
GRINDE 0164-05-6457CB, HPR PR Well, Actual Atlas Surveys V0	WARNER 01N-64W-17-2H, VerdastSI Well, Actual BHI Surveys V0	WARNER 1708-07H, Plan B, Design #1 V0
WARNER 1708-06H, Plan B, Design #1 V0	WARNER 1708-04H, Plan B, Design #1 V0	
WARNER 1708-05H, Plan B, Design #1 V0	WARNER 1708-09H, Plan A, Design #1 V0	

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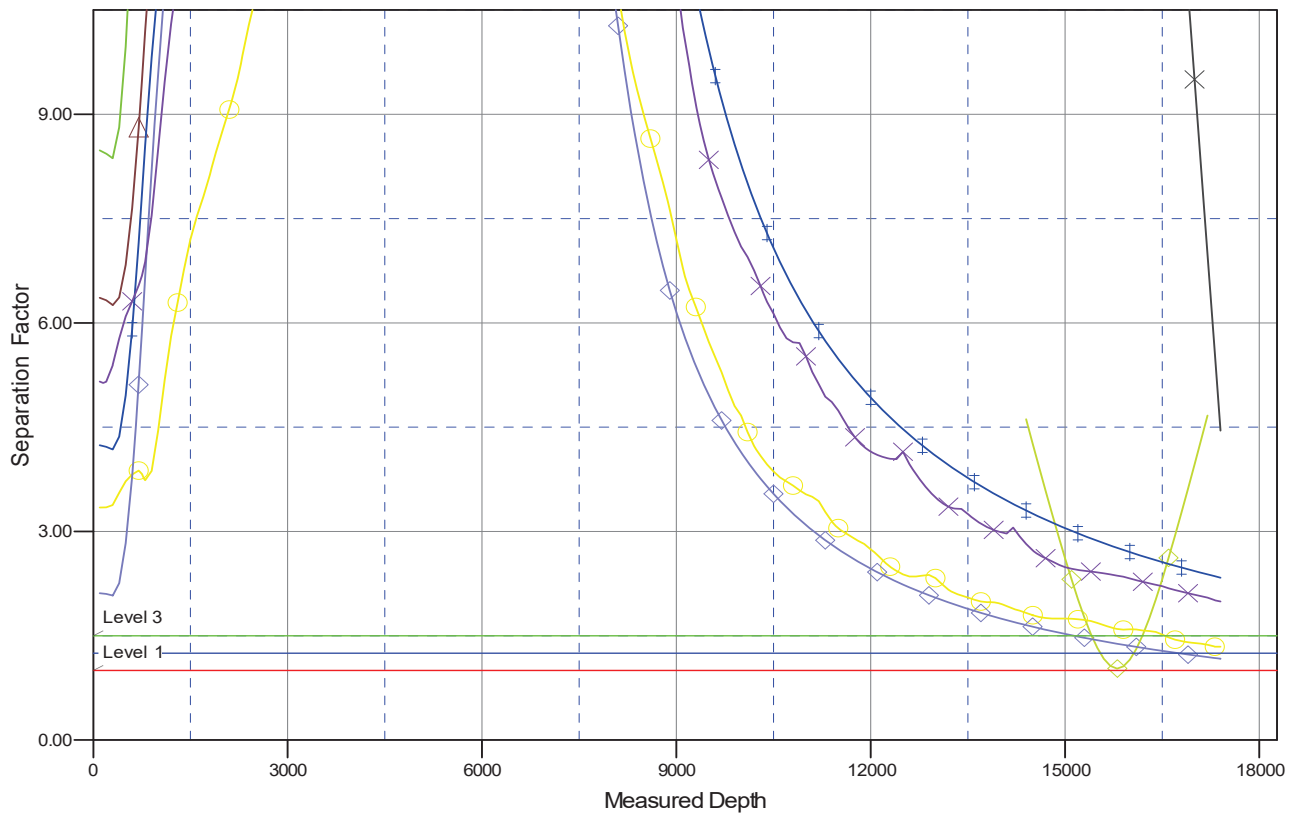
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### Separation Factor Plot



#### LEGEND

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GRINDE 0164-05-6457CB, HPR PR Well, Actual Atlas Surveys V0	WARNER 01N-64W-17-2H, Verdast Well, Actual BHI Surveys V0	WARNER 1708-07H, Plan B, Design #1 V0
WARNER 1708-06H, Plan B, Design #1 V0	WARNER 1708-04H, Plan B, Design #1 V0	
WARNER 1708-05H, Plan B, Design #1 V0	WARNER 1708-09H, Plan A, Design #1 V0	