

VERDAD RESOURCES

WATTENBERG FIELD

9N-58W-34 SPEED GOAT FED PAD

SPEED GOAT FED 3432-02H

Plan C

Permit Rev-1

Anticollision Summary Report

25 January, 2024

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-02H
Project:	WATTENBERG FIELD	TVD Reference:	RKB = 20' @ 4744.00usft (RIG)
Reference Site:	9N-58W-34 SPEED GOAT FED PAD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SPEED GOAT FED 3432-02H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan C	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

Reference	Permit Rev-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	1/25/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	1,474.00	Permit Rev-1 (Plan C)	ISCWSA MWD	Fixed:v2:standard declination	
1,474.00	19,130.21	Permit Rev-1 (Plan C)	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						
9N-58W-19 TIMBRO FED 1931 PAD						
TIMBRO FED 1931-08H - Wellbore #1 - Design #4	19,130.21	12,882.05	570.23	374.36	2.911	CC, ES, SF
9N-58W-31 Offsets						
ST JOHNS CATHOLIC CHURCH #41-31 - Ed Davis LLC	19,130.21	5,769.00	855.85	458.81	2.156	CC, ES, SF
9N-58W-32 Offsets						
Bringelson 1-32-9-58 - Verdad PR Well - Actual Precision	15,994.68	9,906.75	95.45	-42.43	0.692	Level 1, CC
Bringelson 1-32-9-58 - Verdad PR Well - Actual Precision	16,000.00	9,906.85	95.59	-43.31	0.688	Level 1, ES, SF
Bringelson 2-32-9-58 - Verdad PR Well - Actual Precision	14,775.44	9,854.91	99.71	-27.68	0.783	Level 1, CC, SF
Bringelson 2-32-9-58 - Verdad PR Well - Actual Precision	14,800.00	9,855.57	102.68	-27.96	0.786	Level 1, ES
FEDERAL PERRY #13-32 - Diversified D/A Well - No Su						Out of range
9N-58W-33 Offsets						
Bringelson #42-33 - Carrizo D/A Well - No Surveys	9,451.80	5,710.00	1,027.71	673.43	2.901	CC
Bringelson #42-33 - Carrizo D/A Well - No Surveys	9,500.00	5,710.00	1,028.84	672.36	2.886	ES
Bringelson #42-33 - Carrizo D/A Well - No Surveys	9,600.00	5,710.00	1,038.34	678.40	2.885	SF
BRINGELSON 2-33-9-58 - Verdad PR Well - Actual Prec	11,556.09	6,445.29	58.49	-11.70	0.833	Level 1, CC, ES, SF
BRINGELSON 3-33-9-58 - Verdad PR Well - Actual Prec	10,885.17	6,511.01	56.93	-9.65	0.855	Level 1, CC
BRINGELSON 3-33-9-58 - Verdad PR Well - Actual Prec	10,900.00	6,512.02	58.83	-10.34	0.851	Level 1, ES, SF
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	12,359.14	6,359.68	56.80	-20.38	0.736	Level 1, CC
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	12,400.00	6,360.79	69.96	-25.38	0.734	Level 1, ES, SF
DENNIS #F - PEC D/A Well - No Surveys	12,085.58	5,656.00	1,028.65	586.16	2.325	CC
DENNIS #F - PEC D/A Well - No Surveys	12,100.00	5,656.00	1,028.75	585.57	2.321	ES
DENNIS #F - PEC D/A Well - No Surveys	12,200.00	5,656.00	1,034.99	588.40	2.318	SF

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Reference Site:	9N-58W-34 SPEED GOAT FED PAD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SPEED GOAT FED 3432-02H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan C	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

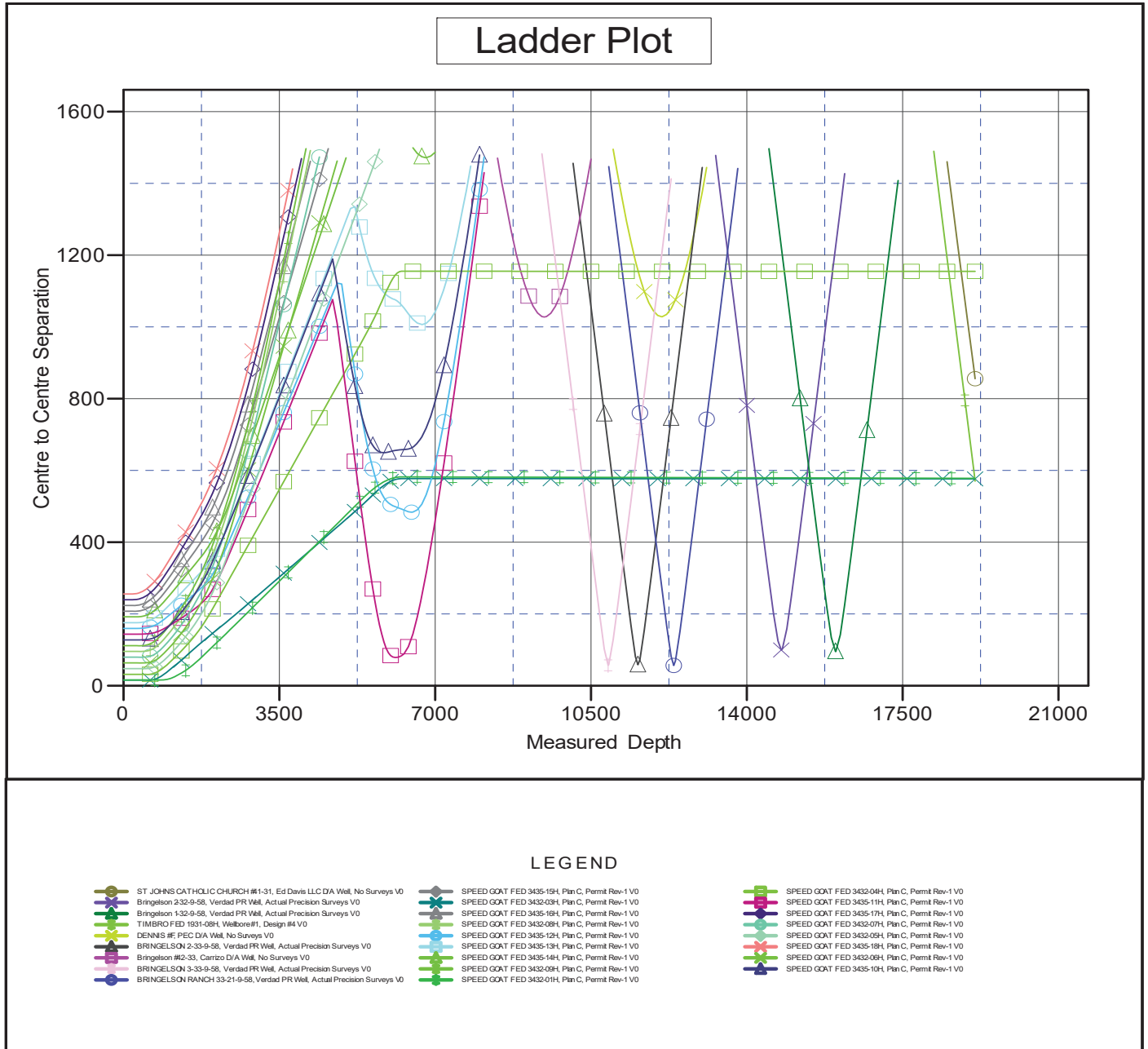
Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
9N-58W-34 SPEED GOAT FED PAD						
SPEED GOAT FED 3432-01H - Plan C - Permit Rev-1	850.00	850.00	16.04	7.20	1.816	CC
SPEED GOAT FED 3432-01H - Plan C - Permit Rev-1	19,130.21	19,075.88	578.19	-394.43	0.594	Level 1, ES, SF
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	506.02	506.02	15.67	7.70	1.966	CC
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	19,130.21	19,237.98	576.74	-394.33	0.594	Level 1, ES, SF
SPEED GOAT FED 3432-04H - Plan C - Permit Rev-1	502.82	502.82	31.69	23.73	3.981	CC, ES
SPEED GOAT FED 3432-04H - Plan C - Permit Rev-1	19,130.21	19,418.66	1,154.93	184.13	1.190	Level 2, SF
SPEED GOAT FED 3432-07H - Plan C - Permit Rev-1	500.00	500.00	47.72	39.77	5.998	CC, ES
SPEED GOAT FED 3432-05H - Plan C - Permit Rev-1	600.00	598.87	48.61	40.45	5.962	SF
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	416.60	416.60	63.75	55.94	8.162	CC
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	500.00	499.80	63.75	55.80	8.014	ES, SF
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	405.73	405.73	79.79	72.00	10.238	CC
SPEED GOAT FED 3432-07H - Plan C - Permit Rev-1	500.00	499.36	79.89	71.94	10.046	ES, SF
SPEED GOAT FED 3432-08H - Plan C - Permit Rev-1	403.14	403.14	95.82	88.03	12.300	CC, ES
SPEED GOAT FED 3432-08H - Plan C - Permit Rev-1	500.00	498.43	96.23	88.28	12.106	SF
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	400.00	400.00	111.86	104.07	14.368	CC, ES
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	500.00	497.25	112.77	104.83	14.195	SF
SPEED GOAT FED 3435-10H - Plan C - Permit Rev-1	306.01	306.03	127.87	120.21	16.694	CC
SPEED GOAT FED 3435-10H - Plan C - Permit Rev-1	400.00	399.81	127.96	120.18	16.445	ES
SPEED GOAT FED 3435-10H - Plan C - Permit Rev-1	6,500.00	6,274.99	665.45	553.66	5.953	SF
SPEED GOAT FED 3435-11H - Plan C - Permit Rev-1	6,112.92	6,675.79	78.85	-26.36	0.749	Level 1, CC
SPEED GOAT FED 3435-11H - Plan C - Permit Rev-1	6,150.00	6,639.77	79.24	-27.30	0.744	Level 1, ES, SF
SPEED GOAT FED 3435-12H - Plan C - Permit Rev-1	303.55	303.55	159.94	152.28	20.883	CC, ES
SPEED GOAT FED 3435-12H - Plan C - Permit Rev-1	6,600.00	6,273.57	490.15	374.64	4.243	SF
SPEED GOAT FED 3435-13H - Plan C - Permit Rev-1	300.00	300.00	175.98	168.32	22.988	CC, ES
SPEED GOAT FED 3435-13H - Plan C - Permit Rev-1	7,000.00	6,050.00	1,042.06	912.97	8.072	SF
SPEED GOAT FED 3435-14H - Plan C - Permit Rev-1	300.00	300.00	192.00	184.35	25.081	CC, ES
SPEED GOAT FED 3435-14H - Plan C - Permit Rev-1	7,000.00	5,956.68	1,487.07	1,359.75	11.679	SF
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	205.85	205.85	207.67	200.10	27.425	CC
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	300.00	298.81	207.74	200.09	27.145	ES
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	500.00	488.71	213.64	205.71	26.969	SF
SPEED GOAT FED 3435-16H - Plan C - Permit Rev-1	204.67	204.67	223.70	216.13	29.544	CC, ES
SPEED GOAT FED 3435-16H - Plan C - Permit Rev-1	400.00	391.43	226.52	218.76	29.175	SF
SPEED GOAT FED 3435-17H - Plan C - Permit Rev-1	200.00	200.00	239.74	232.17	31.675	CC, ES
SPEED GOAT FED 3435-17H - Plan C - Permit Rev-1	400.00	388.66	243.80	236.04	31.416	SF
SPEED GOAT FED 3435-18H - Plan C - Permit Rev-1	200.00	200.00	255.77	248.20	33.793	CC, ES
SPEED GOAT FED 3435-18H - Plan C - Permit Rev-1	300.00	292.93	257.13	249.48	33.631	SF

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Reference Depths are relative to RKB = 20' @ 4744.00usft (RIG)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000

Coordinates are relative to: SPEED GOAT FED 3432-02H
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 1.07°



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Offset Depths are relative to Offset Datum

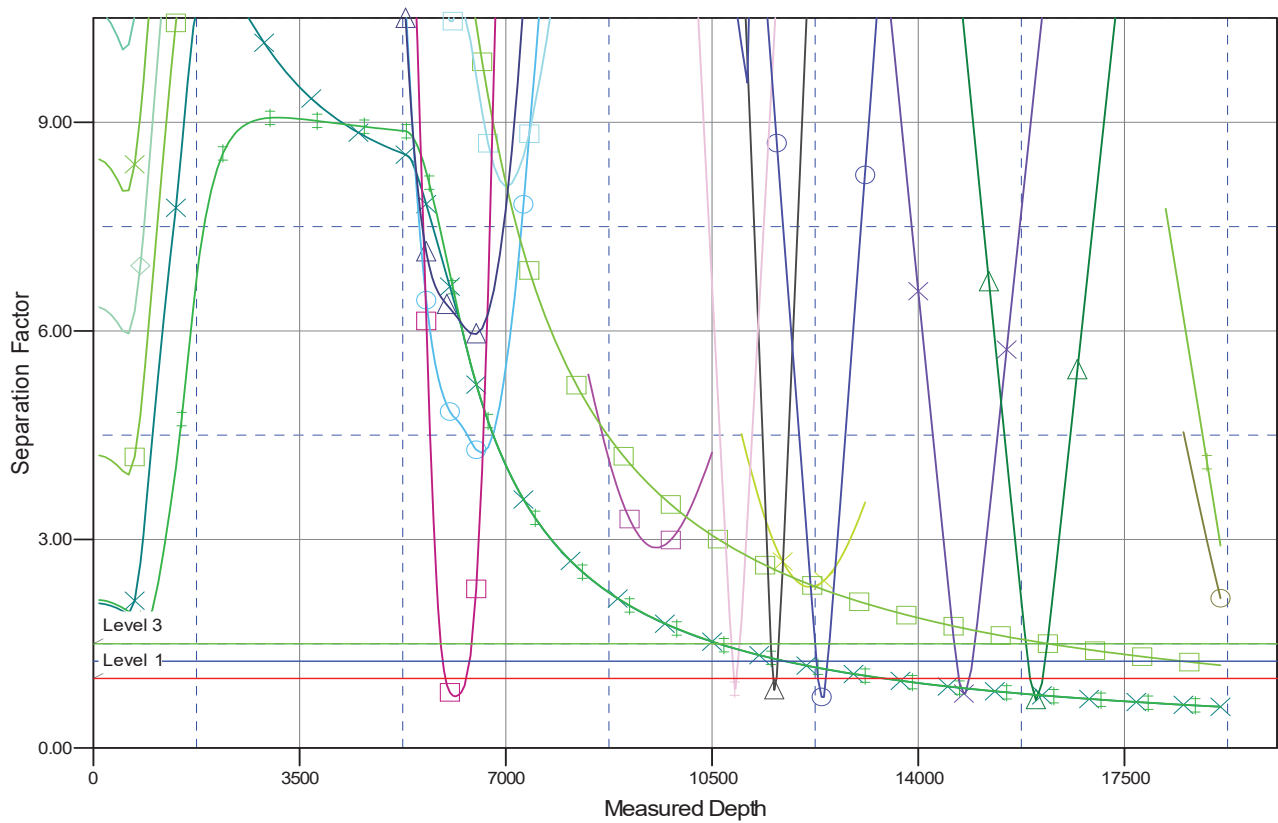
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Coordinates are relative to: SPEED GOAT FED 3432-02H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 1.07°

Separation Factor Plot



LEGEND

ST JOHN'S CATHOLIC CHURCH #1-31, Ed Davis LLC D/A Well, No Surveys V0	SPEED GOAT FED 3435-19H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-04H, Plan C, Permit Rev-1 V0
Bringleton 2-32-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-03H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-11H, Plan C, Permit Rev-1 V0
Bringleton 1-32-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-16H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-17H, Plan C, Permit Rev-1 V0
TIMBRO FED 1931-08H, Wellbore#1, Design #4 V0	SPEED GOAT FED 3432-08H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-07H, Plan C, Permit Rev-1 V0
DENNIS #6, PEC D/A Well, No Surveys V0	SPEED GOAT FED 3435-12H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-05H, Plan C, Permit Rev-1 V0
BRINGLETON 2-33-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-13H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-18H, Plan C, Permit Rev-1 V0
Bringleton #62-33, Cantizo D/A Well, No Surveys V0	SPEED GOAT FED 3435-14H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-06H, Plan C, Permit Rev-1 V0
BRINGLETON 3-33-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-09H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-10H, Plan C, Permit Rev-1 V0
BRINGLETON RANCH 33-21-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-01H, Plan C, Permit Rev-1 V0	