

VERDAD RESOURCES

WATTENBERG FIELD

9N-58W-34 SPEED GOAT FED PAD

SPEED GOAT FED 3432-01H

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 3432-01H
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 3432-01H	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	19,076.88	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	19,076.88	12,303.87	573.31	394.00	3.197	CC, ES, SF
9N-58W-20 BRINGELSON FED 2029 PAD						
BRINGELSON FED 2029-01H - Wellbore #1 - Design #1	14,411.99	10,937.10	666.27	323.19	1.942	CC
BRINGELSON FED 2029-01H - Wellbore #1 - Design #1	14,500.00	10,937.10	672.06	319.53	1.906	ES, SF
BRINGELSON FED 2029-02H - Wellbore #1 - Design #1	14,800.00	10,936.30	669.73	305.88	1.841	SF
BRINGELSON FED 2029-02H - Wellbore #1 - Design #1	14,894.09	10,936.30	663.09	303.63	1.845	CC, ES
BRINGELSON FED 2029-03H - Wellbore #1 - Design #1	15,300.00	11,200.10	725.21	356.92	1.969	SF
BRINGELSON FED 2029-03H - Wellbore #1 - Design #1	15,376.20	11,200.10	721.19	355.22	1.971	CC, ES
BRINGELSON FED 2029-04H - Wellbore #1 - Design #1	15,800.00	11,066.30	659.27	248.33	1.604	ES, SF
BRINGELSON FED 2029-04H - Wellbore #1 - Design #1	15,858.29	11,066.30	656.69	251.44	1.620	CC
BRINGELSON FED 2029-05H - Wellbore #1 - Design #1	16,300.00	11,198.37	654.75	218.87	1.502	ES, SF
BRINGELSON FED 2029-05H - Wellbore #1 - Design #1	16,340.39	11,198.37	653.50	221.91	1.514	CC
9N-58W-20 Offsets Incomplete						
ANNI LD29-755 - Noble PR Well - Actual BHI Surveys	16,996.94	11,146.00	689.94	208.20	1.432	Level 3, CC
ANNI LD29-755 - Noble PR Well - Actual BHI Surveys	17,000.00	11,146.00	689.95	207.97	1.431	Level 3, ES, SF
ANNI LD29-763 - Noble PR Well - Actual BHI Surveys	17,493.10	10,974.00	672.93	171.48	1.342	Level 3, CC
ANNI LD29-763 - Noble PR Well - Actual BHI Surveys	17,500.00	10,974.00	672.97	171.12	1.341	Level 3, ES, SF
ANNI LD29-771 - Noble PR Well - Actual BHI Surveys	18,031.59	11,005.00	687.50	173.74	1.338	Level 3, CC, ES, SF
BRINGELSON RANCH 10-20-9-58 - Verdad PR Well - A						Out of range
BRINGELSON RANCH 11-20-9-58 - Verdad PR Well - A						Out of range
BRINGELSON RANCH 12-20-9-58 - Verdad PR Well - A						Out of range
BRINGELSON RANCH 20-11-9-58 - Verdad PR Well - A						Out of range
BRINGELSON RANCH 2-20-11-9-58 - Verdad PR Well -						Out of range
BRINGELSON RANCH 5-20-9-58 - Verdad PR Well - Ac						Out of range
BRINGELSON RANCH 6-20-9-58 - Verdad PR Well - Ac						Out of range
BRINGELSON RANCH 7-20-9-58 - Verdad PR Well - Ac						Out of range
BRINGELSON RANCH 8-20-9-58 - Verdad PR Well - Ac						Out of range
BRINGELSON RANCH 9-20-9-58 - Verdad PR Well - Ac						Out of range

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-01H
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 3432-01H	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-28 Offsets Incomplete						
*BRINGELSON #1-28X - PEO P&A Well - Actual BHI Su						Out of range
Brecken LD28-727 - Noble PR Well - Actual Sperry Surv	10,000.00	5,599.00	585.59	411.45	3.363	ES, SF
Brecken LD28-727 - Noble PR Well - Actual Sperry Surv	10,018.53	5,579.68	585.27	413.10	3.399	CC
Brecken LD28-734 - Noble PR Well - Actual Sperry Surv	10,260.46	5,565.48	534.31	353.47	2.955	CC, ES, SF
Brecken LD28-740 - Noble PR Well - Actual Sperry Surv	10,742.19	5,497.06	728.20	529.07	3.657	CC, ES
Brecken LD28-740 - Noble PR Well - Actual Sperry Surv	10,800.00	5,494.97	730.49	530.73	3.657	SF
Brecken LD28-747 - Noble PR Well - Actual Sperry Surv	10,970.15	5,566.57	598.39	393.91	2.926	CC
Brecken LD28-747 - Noble PR Well - Actual Sperry Surv	11,000.00	5,573.43	599.06	393.23	2.910	ES, SF
Bringelson LD28-72HN - Noble PR Well - Actual DDC Su	9,404.65	5,412.00	683.96	531.18	4.477	CC, ES, SF
ELLIE LD26-615 - Noble PR Well - Actual BHI Surveys (	6,958.98	7,697.66	732.76	588.08	5.065	CC
ELLIE LD26-615 - Noble PR Well - Actual BHI Surveys (	8,500.00	6,168.75	733.58	545.77	3.906	ES
ELLIE LD26-615 - Noble PR Well - Actual BHI Surveys (	8,700.00	6,032.55	746.34	552.49	3.850	SF
ELLIE LD26-625 - Noble PR Well - Actual BHI Surveys (	8,243.19	6,294.28	1,361.63	1,180.61	7.522	CC
ELLIE LD26-625 - Noble PR Well - Actual BHI Surveys (	8,500.00	6,071.46	1,365.60	1,176.64	7.227	ES
ELLIE LD26-625 - Noble PR Well - Actual BHI Surveys (	9,000.00	5,725.43	1,407.32	1,204.71	6.946	SF
ELLIE LD26-635 - Noble PR Well - Actual BHI Surveys (						Out of range
ELLIE LD26-645 - Noble PR Well - Actual BHI Surveys (						Out of range
Greyson LD28-753 - Noble PR Well - Actual Sperry Surv	11,814.51	5,633.00	551.73	323.79	2.420	CC, ES, SF
Greyson LD28-760 - Noble PR Well - Actual Sperry Surv	12,269.26	5,599.75	545.58	302.59	2.245	CC, ES
Greyson LD28-760 - Noble PR Well - Actual Sperry Surv	12,300.00	5,600.25	546.45	302.93	2.244	SF
Greyson LD28-767 - Noble PR Well - Actual Sperry Surv	12,601.83	5,559.79	588.23	341.45	2.384	CC, ES, SF
Greyson LD28-773 - Noble PR Well - Actual Sperry Surv	12,827.03	5,633.50	520.43	259.35	1.993	CC, ES, SF
Greyson LD28-780 - Noble PR Well - Actual Sperry Surv	13,198.16	5,662.16	556.43	264.13	1.904	CC
Greyson LD28-780 - Noble PR Well - Actual Sperry Surv	13,300.00	5,708.00	565.19	263.93	1.876	ES, SF
9N-58W-31 Offsets						
ST JOHNS CATHOLIC CHURCH #41-31 - Ed Davis LLC	19,076.88	5,769.00	838.70	482.18	2.352	CC, ES, SF
9N-58W-32 Offsets						
Bringelson 1-32-9-58 - Verdad PR Well - Actual Precision	15,948.31	10,183.00	313.13	-83.65	0.789	Level 1, CC, ES, SF
Bringelson 2-32-9-58 - Verdad PR Well - Actual Precision	14,731.82	10,135.00	308.50	-47.56	0.866	Level 1, CC, SF
Bringelson 2-32-9-58 - Verdad PR Well - Actual Precision	14,800.00	10,135.00	315.94	-48.43	0.867	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						Out of range
BRINGELSON 2-33-9-58 - Verdad PR Well - Actual Prec	11,489.10	5,859.03	14.95	-115.75	0.114	Level 1, CC, ES, SF
BRINGELSON 3-33-9-58 - Verdad PR Well - Actual Prec	10,879.19	5,919.22	28.46	-84.45	0.252	Level 1, CC, ES, SF
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	12,195.54	5,796.40	101.69	-91.92	0.525	Level 1, CC
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	12,200.00	5,797.52	101.78	-94.15	0.519	Level 1, ES, SF
DENNIS #F - PEC D/A Well - No Surveys						Out of range

Anticollision Summary Report

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Reference Well:	SPEED GOAT FED 3432-01H	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 Offsets						
Bringelson Ranch 1-34-41-9-58 - Verdad Original Well - A	2,325.94	2,303.75	43.47	-14.57	0.749	Level 1, CC, ES, SF
Bringelson Ranch 1-34-41-9-58 - Verdad PR Well - Actua	2,325.94	2,303.75	43.47	-14.57	0.749	Level 1, CC, ES, SF
Bringelson Ranch 2-34-9-58 - Verdad PR Well - Actual P	3,203.87	3,148.05	128.65	105.27	5.503	CC
Bringelson Ranch 2-34-9-58 - Verdad PR Well - Actual P	3,300.00	3,244.66	129.24	104.28	5.179	ES
Bringelson Ranch 2-34-9-58 - Verdad PR Well - Actual P	3,600.00	3,542.08	140.85	111.88	4.861	SF
Bringelson Ranch 3-34-9-58 - Verdad PR Well - Actual P	5,789.47	5,820.30	31.27	-1.14	0.965	Level 1, CC, ES, SF
Bringelson Ranch 4-34-9-58 - Verdad PR Well - Actual P	6,134.48	5,949.11	31.24	-3.25	0.906	Level 1, CC
Bringelson Ranch 4-34-9-58 - Verdad PR Well - Actual P	6,150.00	5,958.96	33.27	-13.53	0.711	Level 1, ES, SF
Bringelson Ranch 5-34-9-58 - Verdad PR Well - Actual P	8,374.26	5,905.68	61.45	-17.80	0.775	Level 1, CC, ES, SF
Bringelson Ranch 6-34-9-58 - Verdad PR Well - Actual P	8,103.01	5,623.61	187.94	95.24	2.027	CC, ES, SF
BRINGLESON #H - PEC D/A Well - No Surveys						Out of range
LILLI UNIT #14-34 - Noble P&A Well - Partial VES Surve						Out of range
LILLI UNIT #16-34 - Noble P&A Well - Actual VES Surve						Out of range
9N-58W-34 SPEED GOAT FED PAD						
SPEED GOAT FED 3432-02H - Plan C - Permit Rev-1	804.51	804.51	16.04	7.34	1.844	CC
SPEED GOAT FED 3432-02H - Plan C - Permit Rev-1	19,076.88	19,130.21	578.19	-394.49	0.594	Level 1, ES, SF
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	506.01	506.01	31.70	23.73	3.979	CC
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	600.00	599.80	31.78	23.62	3.893	ES
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	19,076.88	19,237.98	1,154.93	183.18	1.189	Level 2, SF
SPEED GOAT FED 3432-04H - Plan C - Permit Rev-1	502.77	502.77	47.73	39.77	5.995	CC, ES
SPEED GOAT FED 3432-04H - Plan C - Permit Rev-1	600.00	599.30	48.10	39.94	5.896	SF
SPEED GOAT FED 3432-05H - Plan C - Permit Rev-1	500.00	500.00	63.76	55.80	8.014	CC, ES
SPEED GOAT FED 3432-05H - Plan C - Permit Rev-1	600.00	598.50	64.64	56.48	7.928	SF
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	416.60	416.60	79.79	71.98	10.215	CC
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	500.00	499.80	79.79	71.83	10.029	ES
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	600.00	597.43	81.38	73.23	9.988	SF
SPEED GOAT FED 3432-07H - Plan C - Permit Rev-1	405.73	405.73	95.83	88.03	12.295	CC
SPEED GOAT FED 3432-07H - Plan C - Permit Rev-1	500.00	499.24	95.92	87.97	12.062	ES, SF
SPEED GOAT FED 3432-08H - Plan C - Permit Rev-1	403.14	403.14	111.85	104.06	14.359	CC, ES
SPEED GOAT FED 3432-08H - Plan C - Permit Rev-1	500.00	498.18	112.26	104.31	14.124	SF
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	400.00	400.00	127.89	120.11	16.428	CC, ES
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	500.00	496.88	128.80	120.86	16.214	SF
SPEED GOAT FED 3435-10H - Plan C - Permit Rev-1	6,111.57	6,574.03	75.70	-30.42	0.713	Level 1, CC, ES, SF
SPEED GOAT FED 3435-11H - Plan C - Permit Rev-1	305.93	305.93	159.95	152.29	20.880	CC
SPEED GOAT FED 3435-11H - Plan C - Permit Rev-1	400.00	399.77	159.97	152.19	20.556	ES
SPEED GOAT FED 3435-11H - Plan C - Permit Rev-1	6,400.00	6,340.11	501.33	387.86	4.418	SF
SPEED GOAT FED 3435-12H - Plan C - Permit Rev-1	303.53	303.53	175.98	168.32	22.977	CC, ES
SPEED GOAT FED 3435-12H - Plan C - Permit Rev-1	6,800.00	6,044.63	1,065.79	941.94	8.606	SF
SPEED GOAT FED 3435-13H - Plan C - Permit Rev-1	300.00	300.00	192.02	184.36	25.083	CC, ES
SPEED GOAT FED 3435-13H - Plan C - Permit Rev-1	600.00	590.37	198.68	190.55	24.434	SF
SPEED GOAT FED 3435-14H - Plan C - Permit Rev-1	300.00	300.00	208.04	200.38	27.176	CC, ES
SPEED GOAT FED 3435-14H - Plan C - Permit Rev-1	500.00	491.25	212.15	204.22	26.757	SF
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	205.85	205.85	223.71	216.14	29.543	CC
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	300.00	298.72	223.78	216.13	29.240	ES
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	500.00	487.93	229.64	221.72	28.992	SF
SPEED GOAT FED 3435-16H - Plan C - Permit Rev-1	204.67	204.67	239.74	232.16	31.662	CC, ES
SPEED GOAT FED 3435-16H - Plan C - Permit Rev-1	400.00	390.87	242.55	234.78	31.240	SF
SPEED GOAT FED 3435-17H - Plan C - Permit Rev-1	200.00	200.00	255.77	248.20	33.794	CC, ES
SPEED GOAT FED 3435-17H - Plan C - Permit Rev-1	400.00	387.97	259.82	252.06	33.481	SF
SPEED GOAT FED 3435-18H - Plan C - Permit Rev-1	200.00	200.00	271.80	264.23	35.912	CC, ES
SPEED GOAT FED 3435-18H - Plan C - Permit Rev-1	300.00	292.52	273.16	265.51	35.728	SF

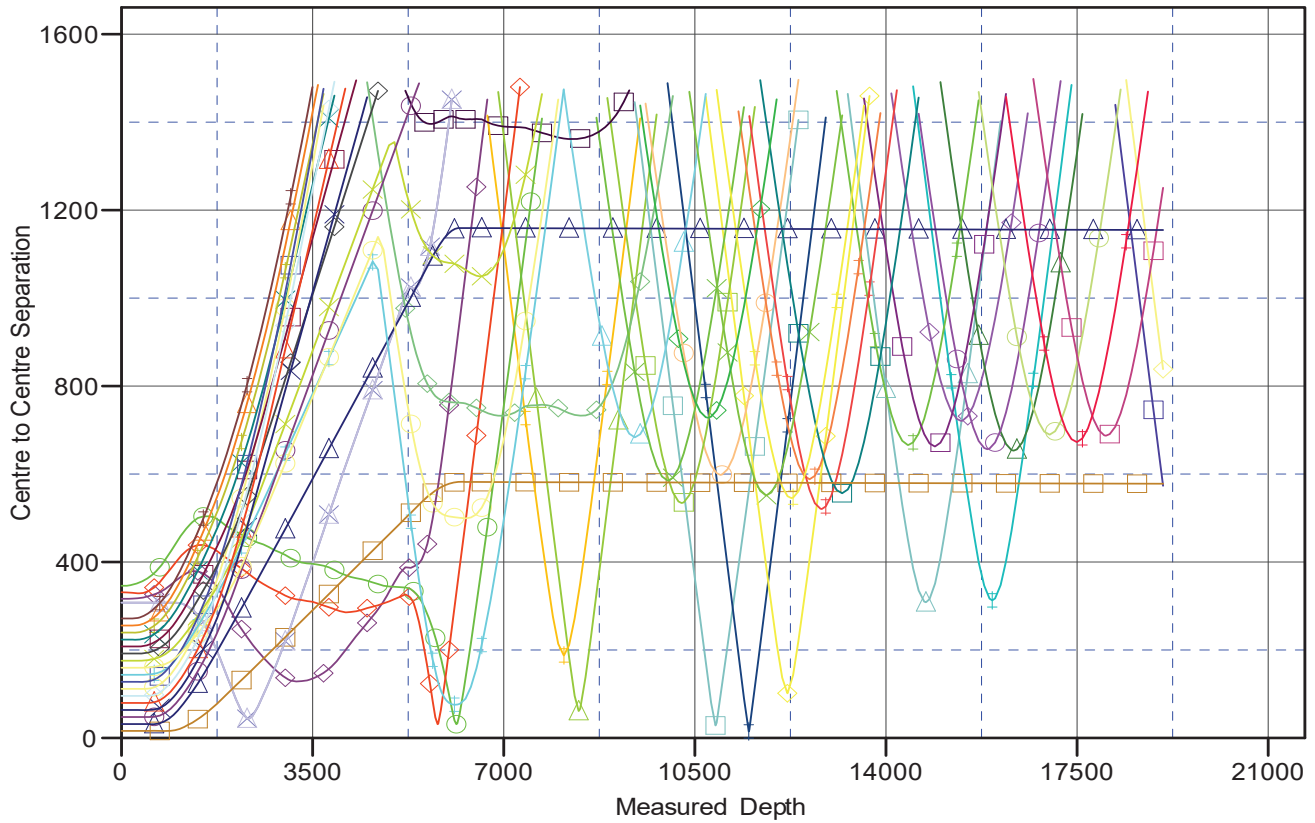
Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-01H
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 3432-01H	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 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 3432-01H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 1.07°

Ladder Plot



LEGEND

ST JOHN'S CATHOLIC CHURCH #1-31, Ed Davis LLC DA Well, No Surveys V0	ANNE LD29-771, Noble PR Well, Actual BHI Surveys V0	SPEED GOAT FED 3435-15H, Plan C, Permit Rev-1 V0
BRINGELSON 232-9-58, Verdard PR Well, Actual Precision Surveys V0	ANNE LD29-763, Noble PR Well, Actual BHI Surveys V0	SPEED GOAT FED 3432-03H, Plan C, Permit Rev-1 V0
BRINGELSON 132-9-58, Verdard PR Well, Actual Precision Surveys V0	BRINGELSON 2-33-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-18H, Plan C, Permit Rev-1 V0
TIMBRO FED 1931-08H, Wellbore #1, Design #1 V0	BRINGELSON 2-33-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-02H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-03H, Wellbore #1, Design #1 V0	BRINGELSON RANCH 33-21-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-08H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-05H, Wellbore #1, Design #1 V0	Brecken LD28-747, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3435-12H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-01H, Wellbore #1, Design #1 V0	Brecken LD28-734, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3435-10H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-04H, Wellbore #1, Design #1 V0	Greyson LD28-767, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3435-14H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-02H, Wellbore #1, Design #1 V0	ELLIE LD26615, Noble PR Well, Actual BHI Surveys (Grid to True) V0	SPEED GOAT FED 3432-05H, Plan C, Permit Rev-1 V0
BRINGELSON 132-9-58, Verdard PR Well, Actual Precision Surveys V0	BRINGELSON 1229-722H, Noble PR Well, Actual DCC Surveys V0	SPEED GOAT FED 3432-04H, Plan C, Permit Rev-1 V0
BRINGELSON RANCH 5-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Greyson LD28-773, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3435-11H, Plan C, Permit Rev-1 V0
BRINGELSON RANCH 1-34-41-9-58, Verdard Original Well, Actual Precision Surveys V0	Brecken LD28-727, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3435-13H, Plan C, Permit Rev-1 V0
BRINGELSON RANCH 1-34-41-9-58, Verdard PR Well, Actual Precision Surveys V0	Greyson LD28-753, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3435-17H, Plan C, Permit Rev-1 V0
BRINGELSON RANCH 4-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Greyson LD28-760, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3432-07H, Plan C, Permit Rev-1 V0
BRINGELSON RANCH 3-34-9-58, Verdard PR Well, Actual Precision Surveys V0	ELLIE LD26625, Noble PR Well, Actual BHI Surveys (Grid to True) V0	SPEED GOAT FED 3432-06H, Plan C, Permit Rev-1 V0
ANNE LD29-755, Noble PR Well, Actual BHI Surveys V0	Brecken LD28-740, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3432-09H, Plan C, Permit Rev-1 V0

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-01H
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 3432-01H	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 Depths are relative to RKB = 20' @ 4744.00usft (RIG)

Offset Depths are relative to Offset Datum

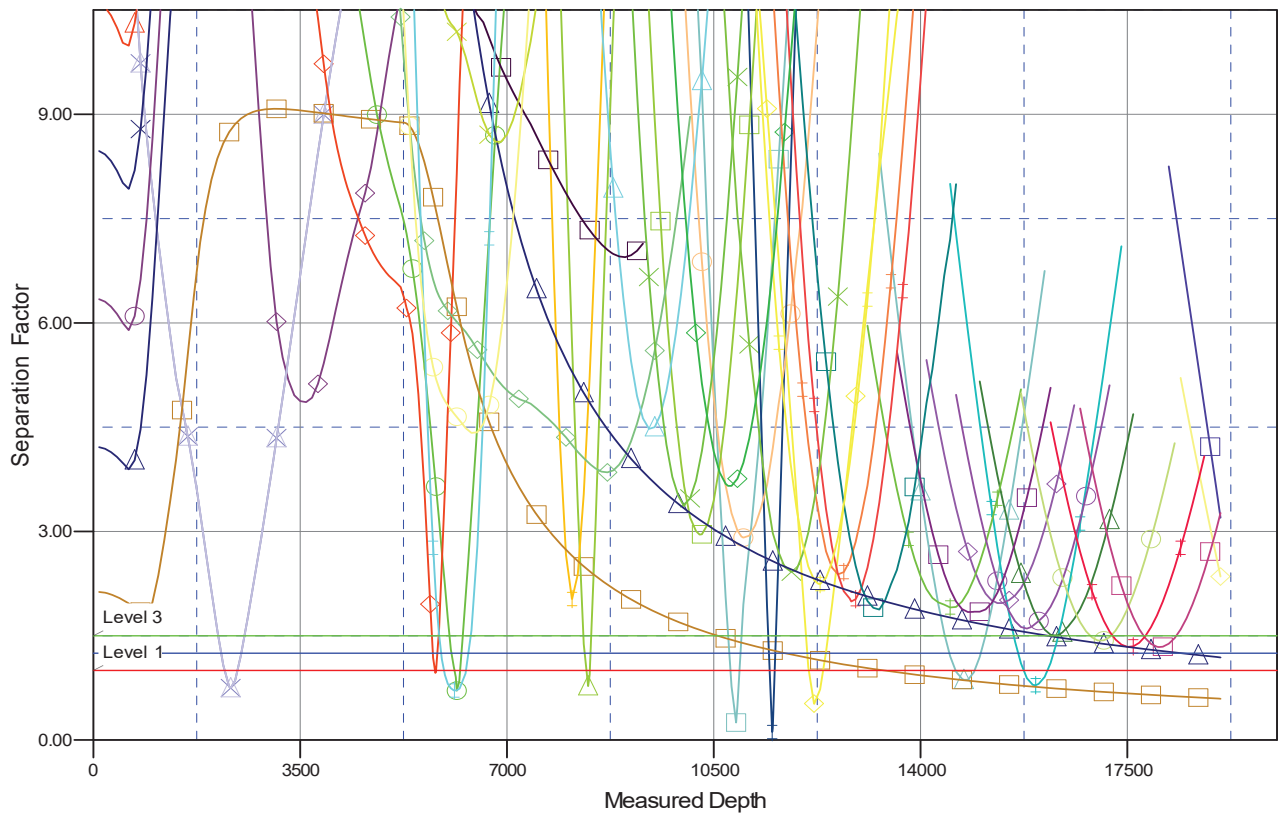
Central Meridian is -105.500000

Coordinates are relative to: SPEED GOAT FED 3432-01H

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 #11-31, Ed Davis LLC/DIA Well, No Surveys V0	ANNNI LD29-771, Noble PR Well, Actual BHI Surveys V0	SPEED GOAT FED 3435-15H, Plan C, Permit Rev-1 V0
Bringtonson 2-32-9-58, Verdard PR Well, Actual Precision Surveys V0	ANNNI LD29-763, Noble PR Well, Actual BHI Surveys V0	SPEED GOAT FED 3432-03H, Plan C, Permit Rev-1 V0
Bringtonson 1-32-9-58, Verdard PR Well, Actual Precision Surveys V0	BRINGELSON 3-33-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-16H, Plan C, Permit Rev-1 V0
TIMBRO FED 1931-08H, Wellbore #1, Design #1 V0	BRINGELSON 3-33-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-02H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-03H, Wellbore #1, Design #1 V0	BRINGELSON RANCH 33-21-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-08H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-05H, Wellbore #1, Design #1 V0	Brecken LD28-747, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3435-12H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-01H, Wellbore #1, Design #1 V0	Brecken LD28-734, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3435-14H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-04H, Wellbore #1, Design #1 V0	Greyson LD28-767, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3435-17H, Plan C, Permit Rev-1 V0
BRINGELSON FED 2029-02H, Wellbore #1, Design #1 V0	ELLIE LD29-615, Noble PR Well, Actual BHI Surveys (Grid to True) V0	SPEED GOAT FED 3432-06H, Plan C, Permit Rev-1 V0
Bringtonson 2-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Bringtonson LD28-728H, Noble PR Well, Actual DDC Surveys V0	SPEED GOAT FED 3432-04H, Plan C, Permit Rev-1 V0
Bringtonson 5-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Greyson LD28-773, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3435-11H, Plan C, Permit Rev-1 V0
Bringtonson 6-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Brecken LD28-727, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3435-13H, Plan C, Permit Rev-1 V0
Bringtonson 1-34-41-9-58, Verdard Original Well, Actual Precision Surveys V0	Greyson LD28-753, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3435-17H, Plan C, Permit Rev-1 V0
Bringtonson 4-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Greyson LD28-780, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3432-07H, Plan C, Permit Rev-1 V0
Bringtonson 3-34-9-58, Verdard PR Well, Actual Precision Surveys V0	Greyson LD28-760, Noble PR Well, Actual Sperry Surveys (Grid to True) V0	SPEED GOAT FED 3432-05H, Plan C, Permit Rev-1 V0
ANNNI LD29-755, Noble PR Well, Actual BHI Surveys V0	ELLIE LD29-625, Noble PR Well, Actual BHI Surveys (Grid to True) V0	SPEED GOAT FED 3435-18H, Plan C, Permit Rev-1 V0
	Brecken LD28-740, Noble PR Well, Actual Sperry Surveys V0	SPEED GOAT FED 3432-09H, Plan C, Permit Rev-1 V0