

VERDAD RESOURCES

WATTENBERG FIELD

9N-58W-34 SPEED GOAT FED PAD

SPEED GOAT FED 3432-08H

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 3432-08H
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 3432-08H	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	20,671.92	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	20,671.92	16,383.62	554.97	218.43	1.649	CC, ES, SF
9N-58W-31 Offsets						
ST JOHNS CATHOLIC CHURCH #41-31 - Ed Davis LLC						Out of range
9N-58W-32 Offsets						
Bringelson 1-32-9-58 - Verdad PR Well - Actual Precision	17,543.99	6,403.77	107.67	-23.95	0.818	Level 1, CC, ES, SF
Bringelson 2-32-9-58 - Verdad PR Well - Actual Precision	16,262.21	6,354.79	107.48	-14.08	0.884	Level 1, CC, ES, SF
FEDERAL PERRY #13-32 - Diversified D/A Well - No Su	20,265.22	5,748.00	320.99	-350.04	0.478	Level 1, CC
FEDERAL PERRY #13-32 - Diversified D/A Well - No Su	20,300.00	5,748.00	322.87	-354.32	0.477	Level 1, ES, SF
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	13,100.00	9,941.03	54.05	-67.53	0.445	Level 1, SF
BRINGELSON 2-33-9-58 - Verdad PR Well - Actual Prec	13,108.31	9,941.38	53.41	-65.93	0.448	Level 1, CC
BRINGELSON 2-33-9-58 - Verdad PR Well - Actual Prec	13,200.00	9,945.21	106.04	-78.91	0.573	Level 1, ES
BRINGELSON 3-33-9-58 - Verdad PR Well - Actual Prec	12,400.00	10,002.86	80.56	-90.88	0.470	Level 1, ES
BRINGELSON 3-33-9-58 - Verdad PR Well - Actual Prec	12,462.41	10,006.46	51.06	-63.56	0.445	Level 1, CC
BRINGELSON 3-33-9-58 - Verdad PR Well - Actual Prec	12,500.00	10,008.60	63.37	-88.92	0.416	Level 1, SF
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	13,600.00	9,345.00	549.57	228.86	1.714	SF
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	13,700.00	9,345.00	530.87	224.03	1.730	ES
BRINGELSON RANCH 33-21-9-58 - Verdad PR Well - A	13,751.01	9,345.00	528.41	227.82	1.758	CC
DENNIS #F - PEC D/A Well - No Surveys						Out of range

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Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-08H
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 3432-08H	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	874.22	881.67	305.10	270.83	8.902	CC
Bringelson Ranch 1-34-41-9-58 - Verdad Original Well - A	1,100.00	1,103.43	307.99	265.29	7.213	ES
Bringelson Ranch 1-34-41-9-58 - Verdad Original Well - A	1,400.00	1,391.68	329.62	275.42	6.082	SF
Bringelson Ranch 1-34-41-9-58 - Verdad PR Well - Actua	874.22	881.67	305.10	270.83	8.902	CC
Bringelson Ranch 1-34-41-9-58 - Verdad PR Well - Actua	1,100.00	1,103.43	307.99	265.29	7.213	ES
Bringelson Ranch 1-34-41-9-58 - Verdad PR Well - Actua	1,400.00	1,391.68	329.62	275.42	6.082	SF
Bringelson Ranch 2-34-9-58 - Verdad PR Well - Actual P	0.00	8.98	313.32			
Bringelson Ranch 2-34-9-58 - Verdad PR Well - Actual P	7,100.00	9,557.75	404.44	245.75	2.549	ES
Bringelson Ranch 2-34-9-58 - Verdad PR Well - Actual P	7,150.00	9,587.72	417.18	250.18	2.498	SF
Bringelson Ranch 3-34-9-58 - Verdad PR Well - Actual P	7,520.80	9,889.41	77.66	-8.22	0.904	Level 1, CC
Bringelson Ranch 3-34-9-58 - Verdad PR Well - Actual P	7,550.00	9,895.21	83.12	-39.43	0.678	Level 1, SF
Bringelson Ranch 3-34-9-58 - Verdad PR Well - Actual P	7,600.00	9,903.10	112.03	-51.71	0.684	Level 1, ES
Bringelson Ranch 4-34-9-58 - Verdad PR Well - Actual P	8,000.00	9,818.00	322.11	143.37	1.802	ES, SF
Bringelson Ranch 4-34-9-58 - Verdad PR Well - Actual P	8,146.81	9,818.00	286.71	174.68	2.559	CC
Bringelson Ranch 5-34-9-58 - Verdad PR Well - Actual P	10,005.33	10,025.09	151.30	58.50	1.630	CC
Bringelson Ranch 5-34-9-58 - Verdad PR Well - Actual P	10,100.00	10,025.47	178.48	46.76	1.355	Level 3, ES, SF
Bringelson Ranch 6-34-9-58 - Verdad PR Well - Actual P	9,700.71	9,608.19	37.33	-49.28	0.431	Level 1, CC, SF
Bringelson Ranch 6-34-9-58 - Verdad PR Well - Actual P	9,800.00	9,611.10	106.03	-78.70	0.574	Level 1, ES
BRINGLESON #H - PEC D/A Well - No Surveys	3,668.12	3,099.51	803.12	658.65	5.559	CC
BRINGLESON #H - PEC D/A Well - No Surveys	3,700.00	3,121.00	803.47	657.69	5.512	ES
BRINGLESON #H - PEC D/A Well - No Surveys	3,900.00	3,255.84	821.18	667.93	5.359	SF
LILLI UNIT #14-34 - Noble P&A Well - Partial VES Surve	8,347.15	5,658.38	273.35	182.24	3.000	CC
LILLI UNIT #14-34 - Noble P&A Well - Partial VES Surve	8,400.00	5,659.88	278.41	171.69	2.609	ES
LILLI UNIT #14-34 - Noble P&A Well - Partial VES Surve	8,500.00	5,662.73	313.15	184.85	2.441	SF
LILLI UNIT #16-34 - Noble P&A Well - Actual VES Surve	6,892.25	5,280.47	1,319.55	1,216.32	12.783	CC
LILLI UNIT #16-34 - Noble P&A Well - Actual VES Surve	6,900.00	5,285.39	1,319.60	1,216.18	12.759	ES
LILLI UNIT #16-34 - Noble P&A Well - Actual VES Surve	7,050.00	5,380.22	1,341.62	1,234.63	12.540	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 3432-08H	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	449.85	449.85	111.85	103.99	14.221	CC, ES
SPEED GOAT FED 3432-01H - Plan C - Permit Rev-1	500.00	500.00	112.27	104.32	14.122	SF
SPEED GOAT FED 3432-02H - Plan C - Permit Rev-1	449.85	449.85	95.82	87.95	12.182	CC, ES
SPEED GOAT FED 3432-02H - Plan C - Permit Rev-1	500.00	500.00	96.24	88.29	12.105	SF
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	449.85	449.85	80.15	72.28	10.190	CC, ES
SPEED GOAT FED 3432-03H - Plan C - Permit Rev-1	500.00	500.00	80.57	72.62	10.134	SF
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	449.85	449.85	64.12	56.26	8.153	CC, ES
SPEED GOAT FED 3432-04H - Plan C - Permit Rev-1	500.00	500.00	64.54	56.59	8.119	SF
SPEED GOAT FED 3432-05H - Plan C - Permit Rev-1	449.85	449.85	48.09	40.23	6.114	CC, ES
SPEED GOAT FED 3432-05H - Plan C - Permit Rev-1	500.00	500.00	48.51	40.56	6.102	SF
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	449.85	449.85	32.06	24.20	4.076	CC, ES
SPEED GOAT FED 3432-06H - Plan C - Permit Rev-1	20,671.92	19,958.11	1,155.30	188.73	1.195	Level 2, SF
SPEED GOAT FED 3432-07H - Plan C - Permit Rev-1	449.85	449.85	16.03	8.16	2.038	CC
SPEED GOAT FED 3432-07H - Plan C - Permit Rev-1	20,671.92	20,298.21	577.10	-389.07	0.597	Level 1, ES, SF
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	401.77	401.77	16.04	8.25	2.060	CC
SPEED GOAT FED 3432-09H - Plan C - Permit Rev-1	20,671.92	20,921.95	577.80	-389.19	0.598	Level 1, ES, SF
SPEED GOAT FED 3435-10H - Plan C - Permit Rev-1	257.21	257.21	32.06	24.45	4.212	CC
SPEED GOAT FED 3435-10H - Plan C - Permit Rev-1	300.00	299.98	32.08	24.43	4.192	ES, SF
SPEED GOAT FED 3435-11H - Plan C - Permit Rev-1	816.74	812.63	41.09	32.47	4.766	CC, ES, SF
SPEED GOAT FED 3435-12H - Plan C - Permit Rev-1	844.47	837.39	61.60	52.90	7.082	CC, ES
SPEED GOAT FED 3435-12H - Plan C - Permit Rev-1	900.00	891.34	62.04	53.20	7.017	SF
SPEED GOAT FED 3435-13H - Plan C - Permit Rev-1	300.00	300.00	80.16	72.51	10.472	CC, ES
SPEED GOAT FED 3435-13H - Plan C - Permit Rev-1	1,000.00	984.23	86.29	77.16	9.452	SF
SPEED GOAT FED 3435-14H - Plan C - Permit Rev-1	300.00	300.00	96.19	88.53	12.565	CC, ES
SPEED GOAT FED 3435-14H - Plan C - Permit Rev-1	1,100.00	1,075.11	112.36	102.92	11.894	SF
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	205.85	205.85	111.86	104.29	14.772	CC
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	300.00	299.35	111.93	104.28	14.625	ES
SPEED GOAT FED 3435-15H - Plan C - Permit Rev-1	6,700.00	7,905.78	893.57	792.45	8.836	SF
SPEED GOAT FED 3435-16H - Plan C - Permit Rev-1	204.69	204.69	127.88	120.31	16.890	CC, ES
SPEED GOAT FED 3435-16H - Plan C - Permit Rev-1	7,000.00	8,103.59	475.92	373.39	4.641	SF
SPEED GOAT FED 3435-17H - Plan C - Permit Rev-1	7,447.86	8,103.59	75.00	-26.22	0.741	Level 1, CC
SPEED GOAT FED 3435-17H - Plan C - Permit Rev-1	7,500.00	8,056.27	78.11	-29.87	0.723	Level 1, ES, SF
SPEED GOAT FED 3435-18H - Plan C - Permit Rev-1	200.00	200.00	159.95	152.38	21.133	CC, ES
SPEED GOAT FED 3435-18H - Plan C - Permit Rev-1	8,400.00	7,500.00	369.15	222.88	2.524	SF

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-08H
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 3432-08H	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

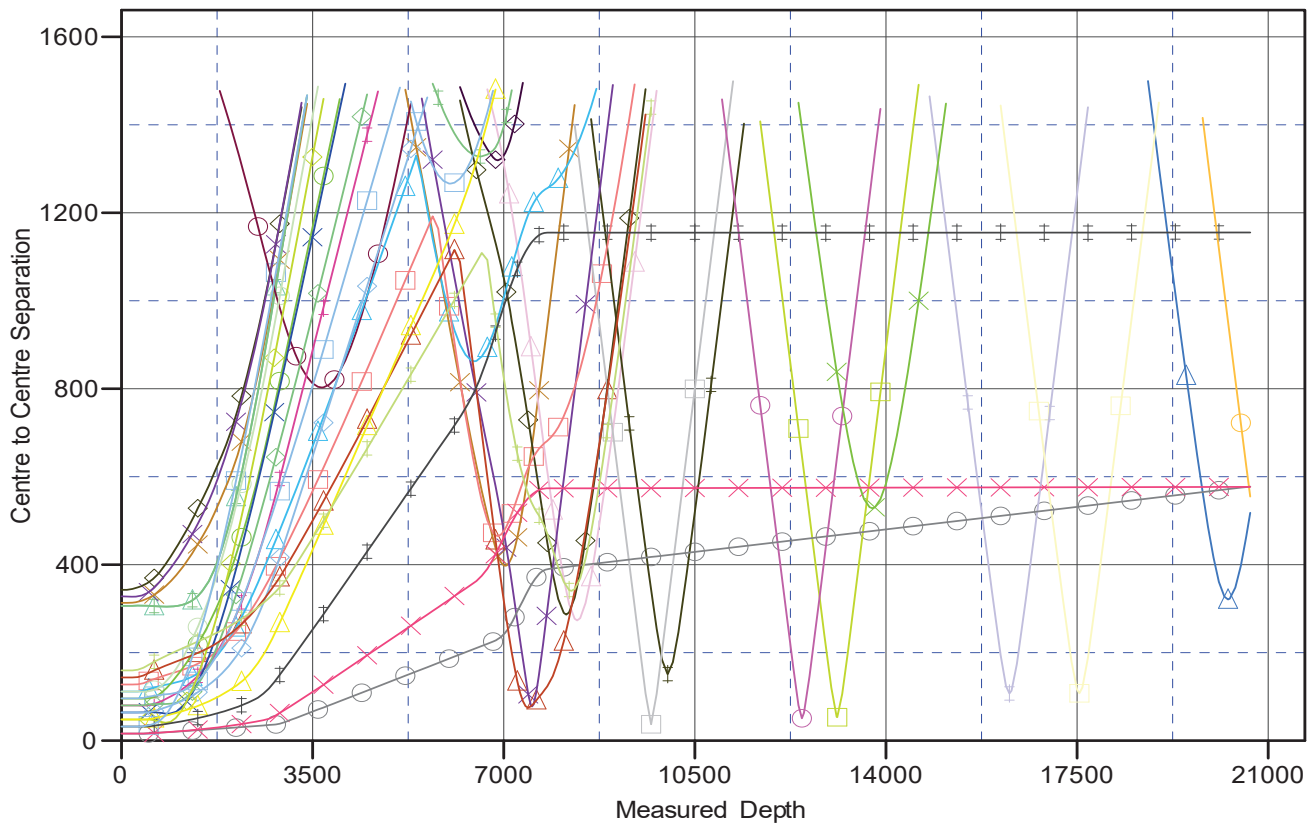
Central Meridian is -105.500000

Coordinates are relative to: SPEED GOAT FED 3432-08H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 1.07°

Ladder Plot



LEGEND

FEDERAL PERRY #13-32, Diversified D/A Well, No Surveys V0	Bringleston Ranch 4-34-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-08H, Plan C, Permit Rev-1 V0
Bringleston 332-9-58, Verdad PR Well, Actual Precision Surveys V0	Bringleston Ranch 3-34-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-01H, Plan C, Permit Rev-1 V0
Bringleston 132-9-58, Verdad PR Well, Actual Precision Surveys V0	BRINGLESTON 2-33-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-04H, Plan C, Permit Rev-1 V0
TIMBRO FED 1931-08H, Wellbore #1, Design #4 V0	BRINGLESTON 3-33-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-11H, Plan C, Permit Rev-1 V0
LULL UNIT #16-34, Noble P&A Well, Actual VES Surveys V0	BRINGLESTON RANCH 33-21-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-17H, Plan C, Permit Rev-1 V0
Bringleston Ranch 2-34-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-19H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-07H, Plan C, Permit Rev-1 V0
LULL UNIT #14-34, Noble P&A Well, Partial VES Surveys V0	SPEED GOAT FED 3432-03H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-05H, Plan C, Permit Rev-1 V0
Bringleston Ranch 5-34-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-16H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-18H, Plan C, Permit Rev-1 V0
Bringleston Ranch 6-34-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-02H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-06H, Plan C, Permit Rev-1 V0
Bringleston Ranch 1-34-41-9-58, Verdad Original Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-12H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-10H, Plan C, Permit Rev-1 V0
Bringleston Ranch 1-34-41-9-58, Verdad PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-13H, Plan C, Permit Rev-1 V0	
BRINGLESTON #H, PEC D/A Well, No Surveys V0	SPEED GOAT FED 3435-14H, Plan C, Permit Rev-1 V0	

Anticollision Summary Report

Company:	VERDAD RESOURCES	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-08H
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)
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Well Error:	3.28 usft	Output errors are at	2.45 sigma
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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

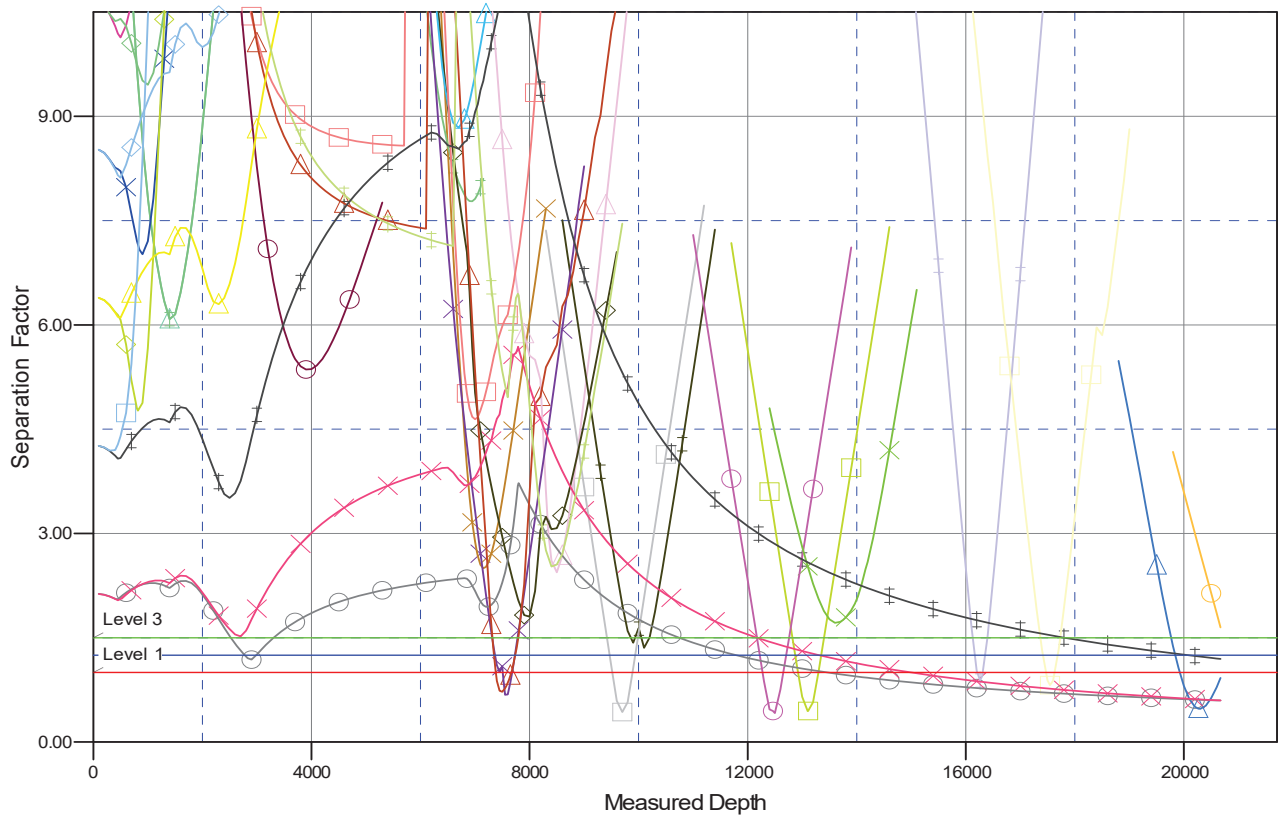
Central Meridian is -105.500000

Coordinates are relative to: SPEED GOAT FED 3432-08H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 1.07°

Separation Factor Plot



LEGEND

FEDERAL FERRY #13-32, Diversified D/A Well, No Surveys V0	Bringleton Ranch 4-34-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-08H, Plan C, Permit Rev-1 V0
Bringleton 232-9-58, Verdard PR Well, Actual Precision Surveys V0	Bringleton Ranch 3-34-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-01H, Plan C, Permit Rev-1 V0
Bringleton 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 3432-04H, Plan C, Permit Rev-1 V0
TIMBROFF FED 1931-08H, Wellbore #1, Design #4 V0	BRINGELSON 3-33-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-11H, Plan C, Permit Rev-1 V0
LILLI UNIT #16-34, Noble P&A Well, Actual VES Surveys V0	BRINGELSON RANCH 33-21-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-17H, Plan C, Permit Rev-1 V0
Bringleton Ranch 2-34-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-15H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-07H, Plan C, Permit Rev-1 V0
LILLI UNIT #14-34, Noble P&A Well, Partial VES Surveys V0	SPEED GOAT FED 3432-03H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-05H, Plan C, Permit Rev-1 V0
Bringleton Ranch 5-34-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-16H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-18H, Plan C, Permit Rev-1 V0
Bringleton Ranch 6-34-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3432-02H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3432-06H, Plan C, Permit Rev-1 V0
Bringleton Ranch 1-34-41-9-58, Verdard Original Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-12H, Plan C, Permit Rev-1 V0	SPEED GOAT FED 3435-10H, Plan C, Permit Rev-1 V0
Bringleton Ranch 1-34-41-9-58, Verdard PR Well, Actual Precision Surveys V0	SPEED GOAT FED 3435-13H, Plan C, Permit Rev-1 V0	
BRINGELSON #H, PEC D/A Well, No Surveys V0	SPEED GOAT FED 3435-14H, Plan C, Permit Rev-1 V0	