



Crestone Peak Resources

Sec 4 T2N-R67W

Sheley Pad

SHELEY 3E-4H-M267

Wellbore #1

Plan #2 25Jun18 kjs

Anticollision Summary Report

29 June, 2018

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well SHELEY 3E-4H-M267
Project:	Sec 4 T2N-R67W	TVD Reference:	RKB @ 4933.00usft
Reference Site:	Sheley Pad	MD Reference:	RKB @ 4933.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELEY 3E-4H-M267	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #2 25Jun18 kjs	Offset TVD Reference:	Offset Datum

Reference	Plan #2 25Jun18 kjs		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	6/29/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	12,648.10	Plan #2 25Jun18 kjs (Wellbore #1)	MWD	OWSG MWD - Standard

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
Existing Wells (Sheley)						
AMES 1 - ENERGY MIN - No Survey	12,649.06	5,030.00	2,823.58	2,754.60	40.929	CC, ES, SF
BABCOCK 11N-33HZ - KMG - MWD	9,767.08	7,007.57	1,075.25	991.80	12.886	CC
BABCOCK 11N-33HZ - KMG - MWD	9,800.00	7,007.56	1,075.75	991.50	12.768	ES
BABCOCK 11N-33HZ - KMG - MWD	10,000.00	7,007.50	1,100.18	1,011.69	12.432	SF
BABCOCK 12N-33HZ - KMG - KMG	8,692.31	7,105.79	1,110.47	1,039.11	15.561	CC
BABCOCK 12N-33HZ - KMG - KMG	8,700.00	7,105.84	1,110.50	1,038.96	15.523	ES
BABCOCK 12N-33HZ - KMG - KMG	9,000.00	7,107.58	1,152.31	1,074.27	14.766	SF
BABCOCK 13E-33HZ - KMG - MWD	8,861.72	7,114.25	1,091.98	1,018.98	14.958	CC
BABCOCK 13E-33HZ - KMG - MWD	8,900.00	7,114.26	1,092.65	1,018.71	14.776	ES
BABCOCK 13E-33HZ - KMG - MWD	9,200.00	7,114.40	1,143.18	1,062.80	14.222	SF
BABCOCK 14C-33HZ - KMG - MWD	10,129.35	7,062.00	1,024.09	931.54	11.064	CC, ES
BABCOCK 14C-33HZ - KMG - MWD	10,300.00	7,062.00	1,038.21	942.25	10.818	SF
BABCOCK 19N-33HZ - KMG - MWD	9,114.53	7,020.88	1,129.00	1,055.20	15.297	CC, ES
BABCOCK 19N-33HZ - KMG - MWD	9,400.00	7,017.34	1,164.52	1,084.28	14.513	SF
BABCOCK 22N-33HZ - KMG - MWD	9,567.41	7,018.10	1,099.77	1,019.07	13.627	CC
BABCOCK 22N-33HZ - KMG - MWD	9,600.00	7,017.82	1,100.25	1,018.74	13.497	ES
BABCOCK 22N-33HZ - KMG - MWD	9,800.00	7,016.04	1,124.09	1,038.18	13.084	SF
BABCOCK 23N-33HZ - KMG - MWD	10,362.65	6,974.00	1,085.66	990.54	11.414	CC
BABCOCK 23N-33HZ - KMG - MWD	10,400.00	6,974.00	1,086.30	990.41	11.329	ES
BABCOCK 23N-33HZ - KMG - MWD	10,500.00	6,974.00	1,094.31	996.63	11.202	SF
BABCOCK 32N-33HZ - KMG - MWD	8,184.71	7,239.00	1,111.41	1,039.24	15.400	CC
BABCOCK 32N-33HZ - KMG - MWD	8,200.00	7,239.00	1,111.52	1,039.09	15.346	ES
BABCOCK 32N-33HZ - KMG - MWD	8,400.00	7,239.00	1,132.07	1,056.21	14.922	SF
BABCOCK 33C-33HZ - KMG - MWD	8,561.06	7,237.00	1,036.24	963.15	14.178	CC
BABCOCK 33C-33HZ - KMG - MWD	8,600.00	7,237.00	1,036.97	963.01	14.020	ES
BABCOCK 33C-33HZ - KMG - MWD	8,800.00	7,237.00	1,063.43	985.28	13.607	SF
BABCOCK 35C-33HZ - KMG - MWD	9,250.53	7,107.09	1,033.96	956.41	13.332	CC
BABCOCK 35C-33HZ - KMG - MWD	9,300.00	7,107.43	1,035.14	956.29	13.127	ES
BABCOCK 35C-33HZ - KMG - MWD	9,500.00	7,108.72	1,063.63	980.19	12.747	SF
BARNES 2-4 - KAUFFMAN - Proposed	11,312.37	5,020.00	2,426.37	2,381.32	53.865	CC, ES
BARNES 2-4 - KAUFFMAN - Proposed	12,500.00	5,020.00	2,701.43	2,642.09	45.524	SF
BARNES 2-4X - KAUFFMAN - Proposed	11,340.67	5,022.00	2,424.91	2,379.44	53.319	CC
BARNES 2-4X - KAUFFMAN - Proposed	11,400.00	5,022.00	2,425.64	2,379.43	52.490	ES
BARNES 2-4X - KAUFFMAN - Proposed	12,500.00	5,022.00	2,687.80	2,628.60	45.405	SF
BARNES 34-4 - CPR - Gyro	11,207.34	7,416.08	1,141.13	1,012.92	8.900	CC, ES
BARNES 34-4 - CPR - Gyro	11,300.00	7,410.52	1,144.88	1,014.84	8.804	SF
BUTTERBALL 12N-34HZ - KMG - MWD	12,649.06	9,516.25	1,163.00	1,081.52	14.273	CC, ES, SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well SHELEY 3E-4H-M267
Project:	Sec 4 T2N-R67W	TVD Reference:	RKB @ 4933.00usft
Reference Site:	Sheley Pad	MD Reference:	RKB @ 4933.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELEY 3E-4H-M267	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #2 25Jun18 kjs	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						
Existing Wells (Sheley)						
BUTTERBALL 22N-34HZ - KMG - MWD	12,649.06	9,635.69	1,475.70	1,393.20	17.886	CC, ES, SF
BUTTERBALL 30C-10HZ - KMG - MWD	12,649.06	12,042.00	2,300.65	2,132.29	13.665	CC, ES, SF
BUTTERBALL 32C-34HZ - KMG - Proposed	12,649.06	9,770.21	790.43	706.47	9.414	CC, ES, SF
BUTTERBALL 40N-33HZ - KMG - Proposed	12,649.06	9,641.14	505.51	425.21	6.295	CC, ES, SF
Cowboy_21-5HZ - ?? - Proposed	11,800.68	21,398.20	1,303.10	1,148.42	8.425	CC
Cowboy_21-5HZ - ?? - Proposed	12,000.00	21,398.20	1,318.26	1,141.73	7.468	ES
Cowboy_21-5HZ - ?? - Proposed	12,600.00	21,398.20	1,528.72	1,276.28	6.056	SF
Cowboy_21-6HZ - ?? - Proposed	12,150.38	21,300.79	1,302.64	1,141.04	8.061	CC
Cowboy_21-6HZ - ?? - Proposed	12,300.00	21,300.79	1,311.21	1,136.95	7.525	ES
Cowboy_21-6HZ - ?? - Proposed	12,649.06	21,300.79	1,394.83	1,172.59	6.276	SF
Cowboy_21-7HZ - ?? - Proposed	12,000.00	21,613.46	1,485.27	1,253.05	6.396	SF
Cowboy_21-7HZ - ?? - Proposed	12,600.00	21,613.46	1,310.75	1,131.44	7.310	ES
Cowboy_21-7HZ - ?? - Proposed	12,649.06	21,613.46	1,307.68	1,131.62	7.427	CC
Cowboy_21-8HZ - ?? - Proposed	12,300.00	21,443.33	1,475.52	1,237.34	6.195	SF
Cowboy_21-8HZ - ?? - Proposed	12,649.06	21,443.33	1,352.97	1,143.71	6.466	CC, ES
HOMESTEAD 22-4 - KMG - MWD	9,368.35	7,898.27	1,135.87	1,043.32	12.273	CC, ES
HOMESTEAD 22-4 - KMG - MWD	9,400.00	7,897.92	1,136.31	1,043.60	12.256	SF
HSR-DODERO 6-4A - KMG - Gyro	9,976.29	7,359.02	1,865.42	1,767.55	19.060	CC
HSR-DODERO 6-4A - KMG - Gyro	10,000.00	7,359.16	1,865.57	1,767.14	18.953	ES
HSR-DODERO 6-4A - KMG - Gyro	10,500.00	7,362.15	1,937.54	1,829.44	17.924	SF
HSR-RHOADES 8-5A - KMG - Gyro	7,495.00	7,183.15	1,718.95	1,659.45	28.889	CC, ES, SF
HSR-SATER 1-8A - KMG - Gyro	3,083.14	2,982.26	1,709.96	1,684.49	67.122	CC
HSR-SATER 1-8A - KMG - Gyro	3,300.00	3,186.43	1,711.07	1,683.62	62.339	ES
HSR-SATER 1-8A - KMG - Gyro	7,300.00	7,040.66	2,036.36	1,975.71	33.576	SF
HSR-STREAR 4-10A - KMG - Gyro	12,649.06	7,451.15	2,312.21	2,153.91	14.606	CC, ES, SF
LUHMAN 1 - CPR - Gyro	11,345.96	7,417.71	630.41	498.68	4.786	CC, ES
LUHMAN 1 - CPR - Gyro	11,400.00	7,416.17	632.72	500.18	4.774	SF
LUHMAN 33-4 - CPR - Gyro	11,172.61	7,396.52	532.95	405.64	4.186	CC, ES
LUHMAN 33-4 - CPR - Gyro	11,200.00	7,395.71	533.65	405.66	4.169	SF
LUHMAN 43-4 - CPR - Gyro	12,440.98	7,421.03	426.68	266.63	2.666	CC, ES, SF
LUHMAN 44-4 - CPR - Gyro	12,604.75	7,431.44	1,110.88	946.58	6.761	CC, ES
LUHMAN 44-4 - CPR - Gyro	12,649.06	7,431.42	1,111.76	946.97	6.746	SF
Luhman 6-4-4 - CPR - MWD	12,009.62	7,426.61	975.73	827.68	6.590	CC, ES
Luhman 6-4-4 - CPR - MWD	12,100.00	7,425.46	979.91	829.74	6.525	SF
MCCLAY 5-4A - KMG - Gyro	8,414.72	7,374.92	1,554.76	1,487.62	23.157	CC, ES
MCCLAY 5-4A - KMG - Gyro	8,800.00	7,379.47	1,601.78	1,530.07	22.337	SF
SATER 40N-5HZ - KMG - MWD	7,350.22	11,470.90	270.62	180.75	3.011	CC
SATER 40N-5HZ - KMG - MWD	7,400.00	11,476.80	276.79	178.86	2.826	ES, SF
SCOTT 1C-32HZ - KMG - MWD	7,100.00	6,800.99	1,200.05	1,141.39	20.455	SF
SCOTT 1C-32HZ - KMG - MWD	7,153.14	6,823.00	1,199.31	1,140.72	20.470	CC, ES
SCOTT 26N-32HZ - KMG - MWD	7,100.00	6,755.38	1,246.28	1,183.42	19.827	SF
SCOTT 26N-32HZ - KMG - MWD	7,255.24	6,807.12	1,243.18	1,181.05	20.008	CC, ES
SHELEY 1 - CPR - Gyro	9,215.13	7,403.89	200.34	119.24	2.470	CC, ES, SF
SHELEY 13-4 - CPR - Gyro	8,312.39	7,377.84	603.12	537.23	9.154	CC, ES, SF
SHELEY 14-4 - CPR - Gyro	100.00	77.05	89.76	89.48	325.644	CC, ES
SHELEY 14-4 - CPR - Gyro	8,700.00	7,399.52	957.37	884.11	13.068	SF
SHELEY 23-4 - CPR - Gyro	9,937.03	7,393.75	534.68	437.64	5.510	CC, ES
SHELEY 23-4 - CPR - Gyro	10,000.00	7,392.91	538.37	440.19	5.483	SF
SHELEY 24-4 - MACHII-ROSS PET CO - Gyro	9,775.67	7,413.27	933.39	840.06	10.002	CC
SHELEY 24-4 - MACHII-ROSS PET CO - Gyro	9,800.00	7,412.71	933.70	839.86	9.949	ES
SHELEY 24-4 - MACHII-ROSS PET CO - Gyro	9,900.00	7,410.44	941.63	846.04	9.851	SF
SHELEY 24-4 (2) - CPR - Gyro	9,906.56	7,416.78	1,100.91	1,004.56	11.426	CC, ES
SHELEY 24-4 (2) - CPR - Gyro	10,100.00	7,412.37	1,117.77	1,018.00	11.204	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

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Project:	Sec 4 T2N-R67W	TVD Reference:	RKB @ 4933.00usft
Reference Site:	Sheley Pad	MD Reference:	RKB @ 4933.00usft
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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						
Existing Wells (Sheley)						
SHELEY 3A-4H - CPR - MWD	427.16	419.91	59.16	56.69	23.935	CC
SHELEY 3A-4H - CPR - MWD	500.00	493.17	59.36	56.37	19.867	ES
SHELEY 3A-4H - CPR - MWD	12,649.06	11,675.10	919.08	659.57	3.542	SF
SHELEY 3B-4H - CPR - MWD	100.00	91.77	50.27	49.98	175.450	CC
SHELEY 3B-4H - CPR - MWD	12,649.06	11,769.94	179.53	7.75	1.045	Level 3, ES, SF
Sheley 4-6-4 - CPR - MWD	10,525.95	7,549.81	282.74	170.26	2.514	CC, ES, SF
SPRAGUE 11-9 - CPR - Gyro	400.00	412.18	1,418.08	1,415.60	571.612	CC, ES
SPRAGUE 11-9 - CPR - Gyro	9,400.00	7,440.28	2,471.63	2,389.74	30.184	SF
SPRAGUE 31-9 - CPR - MWD	11,029.63	7,773.12	2,164.92	2,039.42	17.250	CC
SPRAGUE 31-9 - CPR - MWD	11,100.00	7,762.61	2,166.06	2,038.85	17.028	ES
SPRAGUE 31-9 - CPR - MWD	11,600.00	7,731.06	2,237.96	2,101.53	16.404	SF
SPRAGUE 3A-9H-N267 - CPR - MWD	8,230.45	12,788.00	1,194.18	1,119.32	15.953	CC
SPRAGUE 3A-9H-N267 - CPR - MWD	8,300.00	12,788.00	1,196.20	1,117.43	15.187	ES
SPRAGUE 3A-9H-N267 - CPR - MWD	9,000.00	12,788.00	1,420.66	1,301.80	11.953	SF
SPRAGUE 3AA-9H-N267 - CPR - MWD	8,035.15	12,991.00	1,129.49	1,053.89	14.940	CC
SPRAGUE 3AA-9H-N267 - CPR - MWD	8,100.00	12,991.00	1,130.99	1,051.68	14.260	ES
SPRAGUE 3AA-9H-N267 - CPR - MWD	8,700.00	12,991.00	1,307.69	1,192.18	11.321	SF
SPRAGUE 3B-9H-N267 - CPR - MWD	8,462.38	12,950.00	1,124.72	1,049.08	14.869	CC
SPRAGUE 3B-9H-N267 - CPR - MWD	8,500.00	12,950.00	1,125.35	1,047.68	14.488	ES
SPRAGUE 3B-9H-N267 - CPR - MWD	9,100.00	12,950.00	1,292.89	1,177.78	11.232	SF
SPRAGUE 3C-9H-N267 - CPR - MWD	8,734.33	12,655.00	1,146.73	1,070.37	15.018	CC
SPRAGUE 3C-9H-N267 - CPR - MWD	8,800.00	12,655.00	1,148.61	1,068.77	14.387	ES
SPRAGUE 3C-9H-N267 - CPR - MWD	9,400.00	12,655.00	1,325.94	1,209.23	11.361	SF
SPRAGUE 3D-9H-N267 - CPR - MWD	9,050.87	12,595.00	1,213.37	1,132.28	14.963	CC
SPRAGUE 3D-9H-N267 - CPR - MWD	9,100.00	12,595.00	1,214.37	1,131.29	14.617	ES
SPRAGUE 3D-9H-N267 - CPR - MWD	9,800.00	12,595.00	1,426.00	1,305.46	11.830	SF
SPRAGUE 3E-9HX1-N267 - CPR - MWD	9,469.47	12,714.00	1,167.75	1,082.82	13.750	CC
SPRAGUE 3E-9HX1-N267 - CPR - MWD	9,500.00	12,714.00	1,168.15	1,082.19	13.590	ES
SPRAGUE 3E-9HX1-N267 - CPR - MWD	10,100.00	12,714.00	1,327.11	1,206.91	11.041	SF
SPRAGUE 3F-9H-N267 - CPR - MWD	9,756.93	12,921.00	1,233.11	1,139.22	13.134	CC
SPRAGUE 3F-9H-N267 - CPR - MWD	9,800.00	12,921.00	1,233.86	1,139.08	13.019	ES
SPRAGUE 3F-9H-N267 - CPR - MWD	10,400.00	12,921.00	1,390.72	1,267.38	11.276	SF
SPRAGUE 3G-9H-N267 - CPR - MWD	10,127.16	12,696.00	1,247.45	1,143.99	12.058	CC, ES
SPRAGUE 3G-9H-N267 - CPR - MWD	10,800.00	12,696.00	1,417.34	1,287.27	10.896	SF
SPRAGUE 3H-9H-N267 - CPR - MWD	10,482.81	12,946.00	1,301.98	1,186.43	11.268	CC, ES
SPRAGUE 3H-9H-N267 - CPR - MWD	11,100.00	12,946.00	1,440.86	1,306.69	10.739	SF
SPRAGUE 3I-9H-N267 - CPR - MWD	10,853.51	12,836.00	1,318.34	1,190.30	10.296	CC, ES
SPRAGUE 3I-9H-N267 - CPR - MWD	11,300.00	12,836.00	1,391.90	1,256.19	10.256	SF
SPRAGUE 3J-9H-N267 - CPR - MWD	11,326.49	13,145.00	1,448.36	1,300.00	9.763	CC, ES
SPRAGUE 3J-9H-N267 - CPR - MWD	11,400.00	13,145.00	1,450.22	1,301.62	9.759	SF
SPRAGUE 41-9 - CPR - Gyro	12,415.79	7,433.17	2,160.06	2,000.66	13.551	CC
SPRAGUE 41-9 - CPR - Gyro	12,500.00	7,434.27	2,161.70	2,000.30	13.394	ES
SPRAGUE 41-9 - CPR - Gyro	12,649.06	7,436.20	2,172.62	2,008.67	13.252	SF
TOWNSEND 44-5 - CPR - Gyro	5,177.87	4,989.36	745.51	700.84	16.692	CC
TOWNSEND 44-5 - CPR - Gyro	5,300.00	5,105.49	746.31	700.51	16.294	ES
TOWNSEND 44-5 - CPR - Gyro	6,700.00	6,471.25	829.14	771.83	14.466	SF
WHISTON 10N-33HZ - KMG - MWD	11,001.10	7,094.55	783.00	677.99	7.456	CC, ES
WHISTON 10N-33HZ - KMG - MWD	11,100.00	7,100.85	789.17	681.05	7.299	SF
WHISTON 15N-33HZ - KMG - MWD	11,708.40	7,239.00	633.05	517.61	5.484	CC, ES
WHISTON 15N-33HZ - KMG - MWD	11,800.00	7,239.00	639.64	522.77	5.473	SF
WHISTON 16N-33HZ - KMG - MWD	12,222.27	7,258.29	629.58	507.00	5.136	CC, ES, SF
WHISTON 20N-33HZ - KMG - MWD	11,761.04	7,144.00	702.01	582.75	5.887	CC, ES
WHISTON 20N-33HZ - KMG - MWD	11,800.00	7,144.00	703.09	583.03	5.856	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

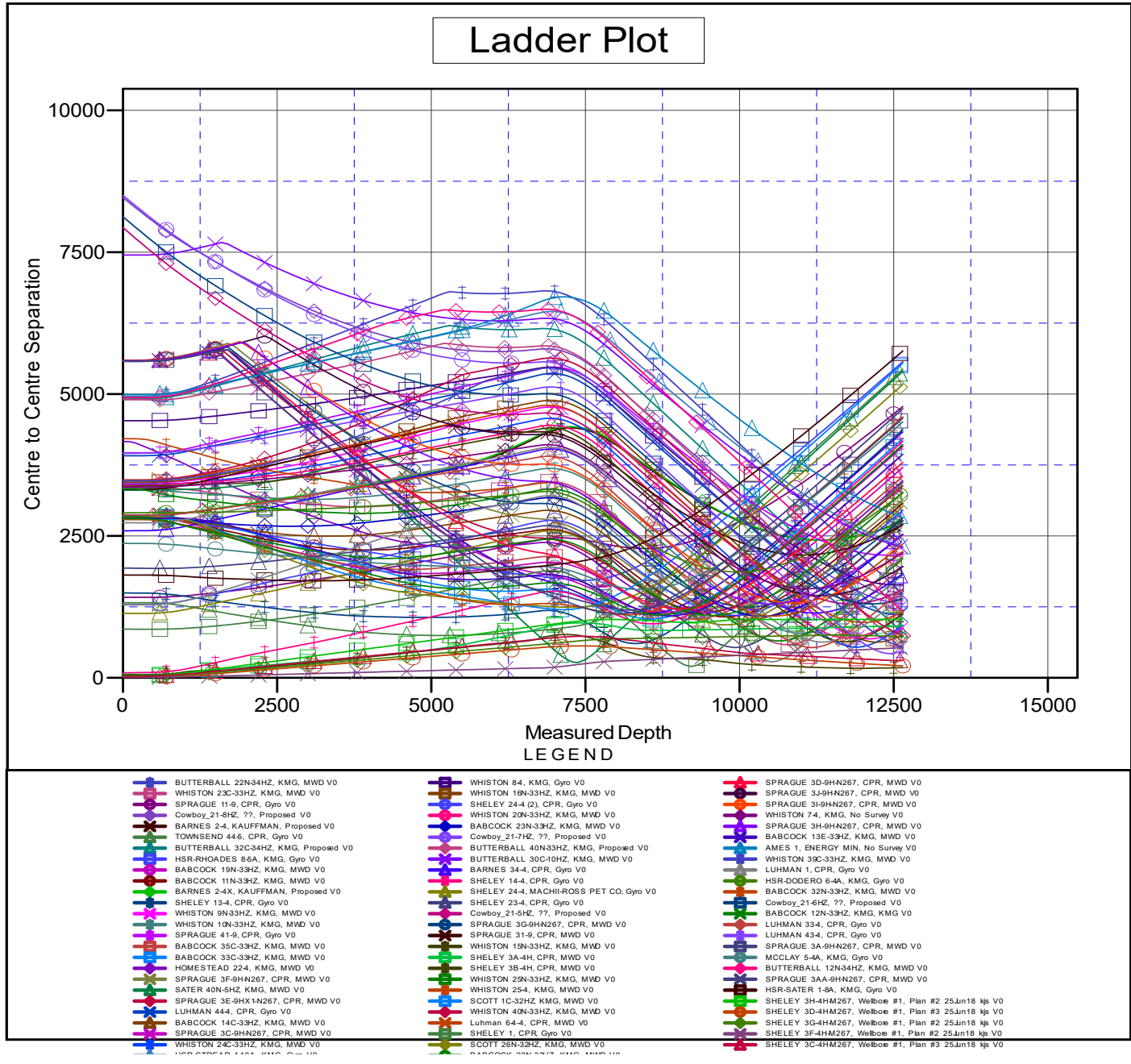
Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well SHELEY 3E-4H-M267
Project:	Sec 4 T2N-R67W	TVD Reference:	RKB @ 4933.00usft
Reference Site:	Sheley Pad	MD Reference:	RKB @ 4933.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELEY 3E-4H-M267	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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Reference Design:	Plan #2 25Jun18 kjs	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
Existing Wells (Sheley)						
WHISTON 23C-33HZ - KMG - MWD	10,772.52	7,270.44	584.03	481.59	5.701	CC
WHISTON 23C-33HZ - KMG - MWD	10,800.00	7,270.93	584.68	481.18	5.649	ES
WHISTON 23C-33HZ - KMG - MWD	10,900.00	7,272.69	597.77	491.55	5.627	SF
WHISTON 24C-33HZ - KMG - MWD	11,893.31	7,239.00	539.68	418.44	4.451	CC
WHISTON 24C-33HZ - KMG - MWD	11,900.00	7,239.00	539.73	418.34	4.447	ES, SF
WHISTON 25-4 - KMG - MWD	10,552.27	7,651.35	1,087.92	968.13	9.082	CC
WHISTON 25-4 - KMG - MWD	10,600.00	7,650.49	1,088.97	967.56	8.970	ES
WHISTON 25-4 - KMG - MWD	10,800.00	7,646.84	1,115.77	989.32	8.824	SF
WHISTON 25N-33HZ - KMG - MWD	10,645.12	7,190.96	650.11	556.67	6.957	CC, ES
WHISTON 25N-33HZ - KMG - MWD	10,800.00	7,191.42	668.31	570.25	6.816	SF
WHISTON 39C-33HZ - KMG - MWD	12,649.06	7,456.65	538.48	392.64	3.692	CC, ES, SF
WHISTON 40N-33HZ - KMG - MWD	12,649.06	7,369.03	740.21	604.39	5.450	CC, ES, SF
WHISTON 7-4 - KMG - No Survey	11,093.97	7,409.00	1,569.06	1,456.21	13.904	CC
WHISTON 7-4 - KMG - No Survey	11,100.00	7,409.00	1,569.07	1,456.06	13.885	ES
WHISTON 7-4 - KMG - No Survey	11,400.00	7,409.00	1,598.62	1,479.40	13.408	SF
WHISTON 8-4 - KMG - Gyro	12,534.26	7,400.00	1,640.25	1,477.86	10.100	CC
WHISTON 8-4 - KMG - Gyro	12,600.00	7,400.00	1,641.57	1,477.44	10.002	ES
WHISTON 8-4 - KMG - Gyro	12,649.06	7,400.00	1,644.26	1,479.45	9.977	SF
WHISTON 9N-33HZ - KMG - MWD	12,101.81	7,146.00	685.93	563.38	5.597	CC, ES, SF
Sheley Pad						
SHELEY 3C-4H-M267 - Wellbore #1 - Plan #3 25Jun18 k	200.00	199.00	20.03	19.04	20.246	CC, ES
SHELEY 3C-4H-M267 - Wellbore #1 - Plan #3 25Jun18 k	12,582.92	12,730.09	300.09	22.83	1.082	Level 3, SF
SHELEY 3D-4H-M267 - Wellbore #1 - Plan #3 25Jun18 k	300.00	299.00	10.20	8.49	5.975	CC
SHELEY 3D-4H-M267 - Wellbore #1 - Plan #3 25Jun18 k	12,649.06	12,613.32	210.78	-2.64	0.988	Level 3, ES, SF
SHELEY 3F-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	300.00	301.00	9.84	8.13	5.743	CC
SHELEY 3F-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	600.00	601.32	10.85	7.00	2.814	ES
SHELEY 3F-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	12,649.06	12,461.25	530.83	263.94	1.989	SF
SHELEY 3G-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	323.06	324.10	19.98	18.10	10.663	CC
SHELEY 3G-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	400.00	401.00	20.12	17.70	8.320	ES
SHELEY 3G-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	12,649.06	12,598.33	729.68	451.07	2.619	SF
SHELEY 3H-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	116.33	117.33	29.88	29.48	75.316	CC
SHELEY 3H-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	300.00	300.84	30.13	28.42	17.658	ES
SHELEY 3H-4H-M267 - Wellbore #1 - Plan #2 25Jun18 k	12,600.00	12,358.76	1,029.58	757.94	3.790	SF

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well SHELEY 3E-4H-M267
Project:	Sec 4 T2N-R67W	TVD Reference:	RKB @ 4933.00usft
Reference Site:	Sheley Pad	MD Reference:	RKB @ 4933.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELEY 3E-4H-M267	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #2 25Jun18 kjs	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB @ 4933.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000

Coordinates are relative to: SHELEY 3E-4H-M267
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.39°

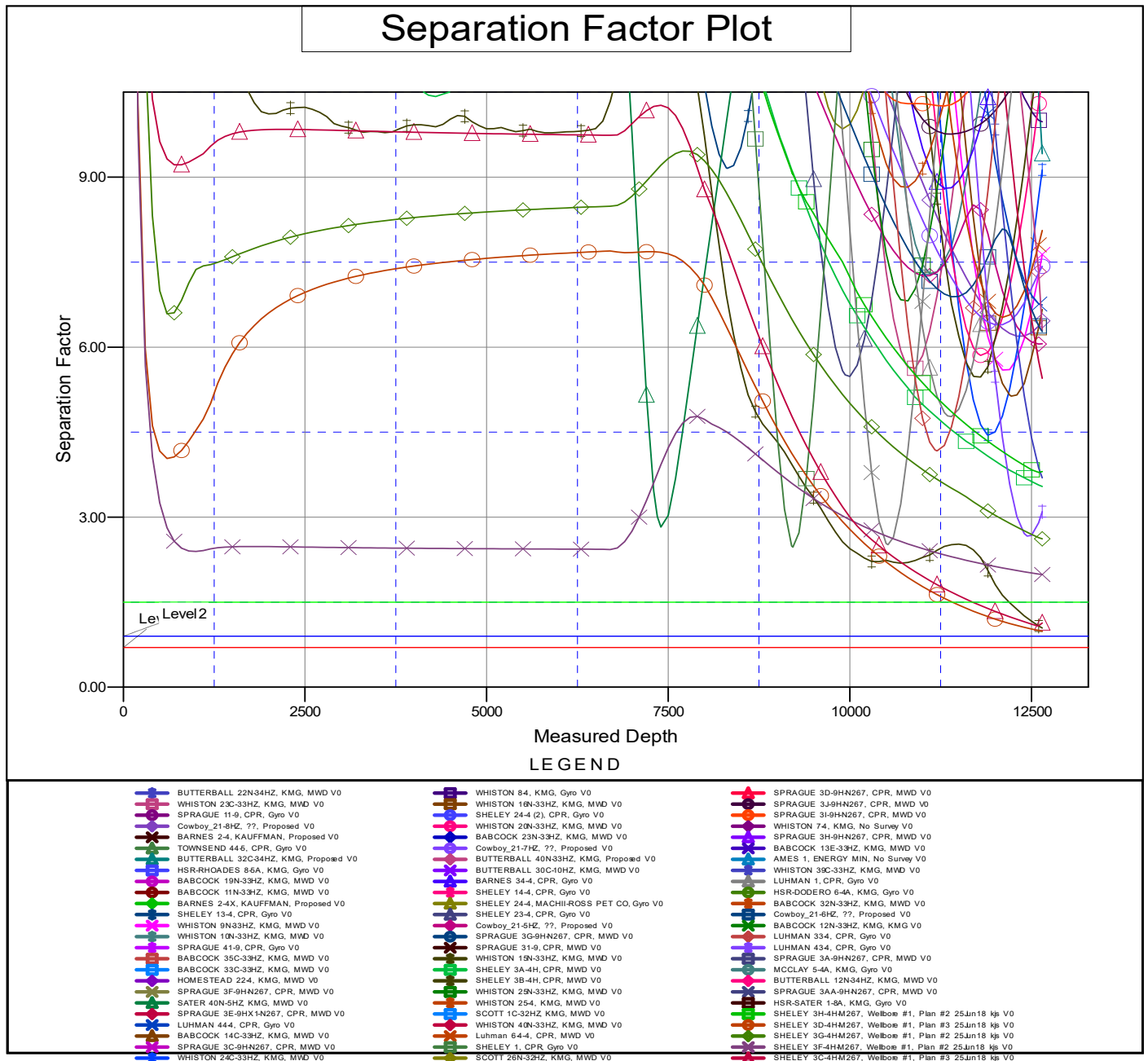


CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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 Offset Depths are relative to Offset Datum
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