

Crestone Peak Resources

DJ BASIN

S18-T1N-R67W (HINGLEY)

HINGLEY 3B-18H-N167

OH

PLAN #2

Anticollision Summary Report

21 January, 2018

Cathedral Energy Services

Anticollision Summary Report

| | | | |
|---------------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well HINGLEY 3B-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | 23' KB @ 5132.00usft |
| Reference Site: | S18-T1N-R67W (HINGLEY) | MD Reference: | 23' KB @ 5132.00usft |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | HINGLEY 3B-18H-N167 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 usft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | PLAN #2 | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | PLAN #2 | | |
| 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 1,403.64 usft | Error Surface: | Pedal Curve |
| Warning Levels Evaluated at: | 2.00 Sigma | Casing Method: | Not applied |

| | | | | |
|----------------------------|------------------|--------------------------|------------------|---------------------|
| Survey Tool Program | Date | 1/21/2018 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
| 0.00 | 2,000.00 | PLAN #2 (OH) | VESSI_GYROFLEX | VESSI Gyroflex Gyro |
| 2,001.00 | 12,748.42 | PLAN #2 (OH) | MWD+HDGM | OWSG MWD + HDGM |

| | | | | | | |
|--|--|-------------------------------------|--|---|--------------------------|----------------|
| 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 | | | | | | |
| S18-T1N-R67W (HINGLEY) | | | | | | |
| 22-24 - KAISER-FRANCIS OIL - NO SURVEYS | | | | | | Out of range |
| B C HOPKINS 3 - FRITZLER WELL - NO SURVEYS | | | | | | Out of range |
| B C HOPKINS 4 - FRITZLER WELL - NO SURVEYS | | | | | | Out of range |
| BLANCHE C 4 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| BLANCHE C HOPKINS 1 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| BLANCHE C HOPKINS 2 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| DACONO 16-13 - KMG WELL - GYRO | | | | | | Out of range |
| EMERY31-13(1-68) 1 - NOBLE WELL - NO SURVEYS | | | | | | Out of range |
| FOREMAN 1 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| FOREMAN 2 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| FOREMAN 3 - KPK WELL - SURVEYS | | | | | | Out of range |
| FOREMAN UNIT 4 - KPK WELL - SURVEYS | | | | | | Out of range |
| GRAHAM ELIZABETH W 1 - KMG WELL - NO SURVEY | | | | | | Out of range |
| GRIFFITHS 13C-20HZX - KMG STK - SURVEYS | | | | | | Out of range |
| GRIFFITHS 13C-20HZX - KMG WELL - SURVEYS | | | | | | Out of range |
| GRIFFITHS 14N-20HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| GRIFFITHS 34N-20HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| GRIFFITHS 35C-20HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| GRIFFITHS 35N-20HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| GRIFFITHS 36C-20HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| HALEY 41-13 #1 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| HART 7-42 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| HERBERS 31-20 - CPR WELL - GYRO | | | | | | Out of range |
| HICKS 13-18 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| HICKS 14-18 - BAYSWATER WELL - NO SURVEYS | 1,766.67 | 1,718.34 | 317.66 | 310.85 | 46.624 | CC |
| HICKS 14-18 - BAYSWATER WELL - NO SURVEYS | 1,800.00 | 1,751.12 | 317.72 | 310.77 | 45.731 | ES |
| HICKS 14-18 - BAYSWATER WELL - NO SURVEYS | 5,000.00 | 4,901.20 | 663.33 | 640.29 | 28.794 | SF |
| HICKS 23-18 - STARLIGHT WELL - NO SURVEYS | | | | | | Out of range |
| HICKS 24-18 - BAYSWATER WELL - NO SURVEYS | 300.00 | 277.00 | 441.28 | 440.36 | 479.788 | CC, ES |
| HICKS 24-18 - BAYSWATER WELL - NO SURVEYS | 5,200.00 | 5,000.00 | 1,211.79 | 1,187.99 | 50.932 | SF |
| HICKS 4-18 - CPR WELL - GYRO | 100.00 | 73.80 | 622.50 | 622.37 | 4,816.487 | CC |
| HICKS 4-18 - CPR WELL - GYRO | 300.00 | 274.75 | 623.11 | 622.30 | 766.534 | ES |
| HICKS 4-18 - CPR WELL - GYRO | 9,200.00 | 7,819.40 | 1,180.62 | 1,137.48 | 27.367 | SF |
| HINGLEY 1 - CPR WELL - GYRO | | | | | | Out of range |
| HINGLEY 12-18 - PDC WELL - GYRO | 11,117.70 | 7,764.09 | 174.60 | 106.81 | 2.575 | CC, ES, SF |
| HINGLEY 1A-18H-A167 - OH - PLAN #2 | | | | | | Out of range |

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

Cathedral Energy Services

Anticollision Summary Report

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|---------------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well HINGLEY 3B-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | 23' KB @ 5132.00usft |
| Reference Site: | S18-T1N-R67W (HINGLEY) | MD Reference: | 23' KB @ 5132.00usft |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | HINGLEY 3B-18H-N167 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 usft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | PLAN #2 | 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 | | | | | | |
| S18-T1N-R67W (HINGLEY) | | | | | | |
| HINGLEY 1-B - VESSELS WELL - NO SURVEYS | | | | | | Out of range |
| HINGLEY 1B-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1C-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1D-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1E-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1F-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1G-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1H-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1I-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1J-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 1K-18H-A167 - OH - PLAN #2 | | | | | | Out of range |
| HINGLEY 2J - PDC WELL - GYRO | 11,956.71 | 7,754.14 | 917.56 | 837.26 | 11.426 | CC, ES |
| HINGLEY 2J - PDC WELL - GYRO | 12,000.00 | 7,754.44 | 918.58 | 837.98 | 11.397 | SF |
| HINGLEY 2S - TEXAS TEA WELL - NO SURVEYS | | | | | | Out of range |
| HINGLEY 3A-18H-N167 - OH - PLAN #1 | 200.00 | 200.00 | 10.00 | 9.52 | 20.693 | CC, ES |
| HINGLEY 3A-18H-N167 - OH - PLAN #1 | 12,748.42 | 12,644.59 | 305.18 | 156.91 | 2.058 | SF |
| HINGLEY 3C-18H-N167 - OH - PLAN #2 | 300.00 | 301.00 | 9.79 | 8.96 | 11.737 | CC |
| HINGLEY 3C-18H-N167 - OH - PLAN #2 | 6,900.00 | 6,903.90 | 42.89 | 1.13 | 1.027 | Level 2, ES, SF |
| HINGLEY 3D-18H-N167 - OH - PLAN #2 | 300.00 | 301.00 | 20.15 | 19.32 | 24.153 | CC, ES |
| HINGLEY 3D-18H-N167 - OH - PLAN #2 | 12,748.42 | 12,575.53 | 387.35 | 239.58 | 2.621 | SF |
| HINGLEY 3E-18H-N167 - OH - PLAN #1 | 363.22 | 364.73 | 28.97 | 27.38 | 18.192 | CC |
| HINGLEY 3E-18H-N167 - OH - PLAN #1 | 400.00 | 401.57 | 29.11 | 27.32 | 16.312 | ES |
| HINGLEY 3E-18H-N167 - OH - PLAN #1 | 12,744.51 | 12,455.67 | 729.32 | 577.99 | 4.819 | SF |
| HINGLEY 3F-18H-N167 - OH - PLAN #1 | 300.62 | 301.63 | 40.00 | 39.16 | 47.820 | CC, ES |
| HINGLEY 3F-18H-N167 - OH - PLAN #1 | 12,741.61 | 12,714.88 | 714.94 | 555.97 | 4.497 | SF |
| HINGLEY 3G-18H-N167 - OH - PLAN #2 | 300.00 | 301.00 | 49.83 | 48.99 | 59.725 | CC, ES |
| HINGLEY 3G-18H-N167 - OH - PLAN #2 | 12,748.42 | 12,541.56 | 1,029.80 | 873.37 | 6.583 | SF |
| HINGLEY 3H-18H-N167 - OH - PLAN #2 | 200.00 | 201.00 | 60.00 | 59.51 | 123.660 | CC, ES |
| HINGLEY 3H-18H-N167 - OH - PLAN #2 | 12,748.42 | 12,449.81 | 1,370.53 | 1,214.56 | 8.787 | SF |
| HINGLEY 3I-18H-N167 - OH - PLAN #1 | 300.00 | 301.00 | 70.00 | 69.16 | 83.905 | CC, ES |
| HINGLEY 3I-18H-N167 - OH - PLAN #1 | 7,300.00 | 7,159.01 | 1,389.84 | 1,346.90 | 32.366 | SF |
| HINGLEY 3J-18H-N167 - OH - PLAN #1 | 300.00 | 301.00 | 80.00 | 79.16 | 95.891 | CC, ES |
| HINGLEY 3J-18H-N167 - OH - PLAN #1 | 6,200.00 | 6,042.14 | 1,382.14 | 1,348.15 | 40.662 | SF |
| HINGLEY 3K-18H-N167 - OH - PLAN #2 | 102.14 | 103.14 | 90.14 | 90.00 | 627.677 | CC |
| HINGLEY 3K-18H-N167 - OH - PLAN #2 | 200.00 | 200.02 | 90.42 | 89.93 | 186.418 | ES |
| HINGLEY 3K-18H-N167 - OH - PLAN #2 | 5,900.00 | 5,730.20 | 1,402.07 | 1,370.01 | 43.735 | SF |
| HINGLEY 3S - TEXAS TEA WELL - NO SURVEYS | | | | | | Out of range |
| HINGLEY 4 - DENVER EAST WELL - NO SURVEYS | | | | | | Out of range |
| HINGLEY 5 - DENVER EAST WELL - NO SURVEYS | | | | | | Out of range |
| HINGLEY FARMS 32-18 - CPR WELL - GYRO | | | | | | Out of range |
| HOPKINS 3 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| HOPKINS 32-19 1 - FRITZLER RESOURCES - NO SUR | | | | | | Out of range |
| HOPKINS 41C-19#2 - FRITZLER RESOURCES - NO SU | | | | | | Out of range |
| HSR RMF 12-8 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| JELTS 15C-19HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| JELTS 16N-19HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| JELTS 36N-19HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| JELTS 37C-19HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| JELTS 37N-19HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| JELTS 39C-19HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| JOHNSON 21-24 - MGF OIL CORP WELL - NO SURVE | | | | | | Out of range |
| LAURIDSON 18-16 - KMG WELL - GYRO | | | | | | Out of range |
| LAURIDSON 2-A - KPK WELL - NO SURVEYS | | | | | | Out of range |

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Cathedral Energy Services

Anticollision Summary Report

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|---------------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well HINGLEY 3B-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | 23' KB @ 5132.00usft |
| Reference Site: | S18-T1N-R67W (HINGLEY) | MD Reference: | 23' KB @ 5132.00usft |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | HINGLEY 3B-18H-N167 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 usft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | PLAN #2 | 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 |
| S18-T1N-R67W (HINGLEY) | | | | | | |
| LAURIDSON 31-24 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| LAURIDSON 32-24 - SRC ENERGY WELL - NO SURVE | | | | | | Out of range |
| LAURIDSON 41-24 - STARLIGHT RES WELL - NO SUR | | | | | | Out of range |
| LAURIDSON 42-24 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| LAURIDSON VV 18-10 - KMG WELL - GYRO | | | | | | Out of range |
| LAURIDSON VV18-4J - KMG WELL - GYRO | | | | | | Out of range |
| LAURIDSON-A 1 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| LINKUS 32-24 - PDC WELL - NO SURVEYS | | | | | | Out of range |
| LINKUS 41-24 - PDC WELL - GYRO | 7,610.69 | 7,471.63 | 1,139.30 | 1,104.96 | 33.175 | CC, ES |
| LINKUS 41-24 - PDC WELL - GYRO | 7,700.00 | 7,541.51 | 1,142.25 | 1,107.74 | 33.104 | SF |
| M B SCHWAB 2 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| MARGUERITE TOTEMS U 2 - KMG WELL - GYRO | | | | | | Out of range |
| MARK 1-A - CHAPARRAL RES - NO SURVEYS | | | | | | Out of range |
| NRC 11-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 12-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 13-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 14-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 15-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 22-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 23-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 28N-8HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 29N-8HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 30C-8HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 35-8 - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 3C-8HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 4C-8HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| NRC 4N-8HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| PAUL HEINZE 1 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| RALPH 13C-19HZ - KMG WELL - SURVEYS | 5,896.93 | 5,867.85 | 104.94 | 74.57 | 3.455 | CC |
| RALPH 13C-19HZ - KMG WELL - SURVEYS | 6,100.00 | 6,072.80 | 105.17 | 72.45 | 3.214 | ES |
| RALPH 13C-19HZ - KMG WELL - SURVEYS | 7,609.00 | 7,566.33 | 116.64 | 76.96 | 2.939 | SF |
| RALPH 14N-19HZ - KMG WELL - SURVEYS | 2,465.59 | 2,434.96 | 742.14 | 732.52 | 77.133 | CC, ES |
| RALPH 14N-19HZ - KMG WELL - SURVEYS | 6,800.00 | 6,754.12 | 1,402.88 | 1,368.24 | 40.502 | SF |
| RALPH 34C-19HZ - KMG WELL - SURVEYS | 7,649.33 | 7,647.47 | 342.60 | 302.15 | 8.471 | CC, ES |
| RALPH 34C-19HZ - KMG WELL - SURVEYS | 7,700.00 | 7,666.18 | 345.99 | 305.07 | 8.456 | SF |
| RALPH 35C-19HZ - KMG WELL - SURVEYS | 3,664.51 | 3,669.09 | 582.36 | 565.85 | 35.285 | CC |
| RALPH 35C-19HZ - KMG WELL - SURVEYS | 3,700.00 | 3,703.34 | 582.44 | 565.70 | 34.789 | ES |
| RALPH 35C-19HZ - KMG WELL - SURVEYS | 7,600.00 | 7,491.83 | 1,035.88 | 997.41 | 26.927 | SF |
| RALPH 35N-19HZ - KMG WELL - SURVEYS | 4,615.13 | 4,598.36 | 159.49 | 137.11 | 7.127 | CC, ES |
| RALPH 35N-19HZ - KMG WELL - SURVEYS | 4,800.00 | 4,778.56 | 164.41 | 140.79 | 6.959 | SF |
| RALPH 36C-19HZ - KMG WELL - SURVEYS | 1,927.65 | 1,880.00 | 699.74 | 691.95 | 89.909 | CC, ES |
| RALPH 36C-19HZ - KMG WELL - SURVEYS | 4,900.00 | 4,718.13 | 1,189.92 | 1,166.18 | 50.123 | SF |
| ROCKY MOUNTAIN FUEL 1 - KMG WELL - NO SURVE | | | | | | Out of range |
| SCHWAB #1-32-13 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| STONEBRAKER 24-12 - KMG WELL - SURVEYS | | | | | | Out of range |
| STONEBRAKER 25-12 - KMG WELL - SURVEYS | | | | | | Out of range |
| STONEBRAKER 8-12 - KMG WELL - SURVEYS | | | | | | Out of range |
| TROUDT 44-7 - KMG WELL - GYRO | | | | | | Out of range |
| UNDERHILL 28N-17HZ - KMG WELL - SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM 'AL' 1 - KMG WELL - GYRO | | | | | | Out of range |
| UPRR 42 PAN AM GAS 1 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM N #2 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM N 1 - KMG WELL - GYRO | | | | | | Out of range |

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Cathedral Energy Services

Anticollision Summary Report

| | | | |
|---------------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well HINGLEY 3B-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | 23' KB @ 5132.00usft |
| Reference Site: | S18-T1N-R67W (HINGLEY) | MD Reference: | 23' KB @ 5132.00usft |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | HINGLEY 3B-18H-N167 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 usft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | PLAN #2 | 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 | | | | | | |
| S18-T1N-R67W (HINGLEY) | | | | | | |
| UPRR 42 PAN AM N 4 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM-AJ 1 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM-AJ 4 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM-AS 1 - KMG WELL - GYRO | | | | | | Out of range |
| UPRR 42 PAN AM-AV 1 - KPK WELL - SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM-J 2 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM-J 3 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 42 PAN AM-N 3 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM 1 2 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM 1 3 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM H 10 - KPK WELL - NO SURVEYS | 5,065.97 | 4,879.00 | 711.39 | 687.40 | 29.650 | CC, ES |
| UPRR 43 PAN AM H 10 - KPK WELL - NO SURVEYS | 5,100.00 | 4,879.00 | 712.20 | 688.02 | 29.446 | SF |
| UPRR 43 PAN AM H 2 - KPK WELL - NO SURVEYS | 3,731.11 | 3,634.66 | 1,375.94 | 1,359.47 | 83.539 | CC |
| UPRR 43 PAN AM H 2 - KPK WELL - NO SURVEYS | 4,000.00 | 3,900.85 | 1,376.79 | 1,358.61 | 75.712 | ES |
| UPRR 43 PAN AM H 2 - KPK WELL - NO SURVEYS | 5,100.00 | 4,981.16 | 1,397.85 | 1,372.55 | 55.238 | SF |
| UPRR 43 PAN AM I #5 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM M TRUE #1 - KMG WELL - GYRO | 7,130.49 | 6,917.52 | 923.52 | 888.25 | 26.184 | CC |
| UPRR 43 PAN AM M TRUE #1 - KMG WELL - GYRO | 7,200.00 | 6,984.84 | 923.62 | 887.92 | 25.871 | ES |
| UPRR 43 PAN AM M TRUE #1 - KMG WELL - GYRO | 7,300.00 | 7,080.34 | 933.89 | 897.66 | 25.775 | SF |
| UPRR 43 PAN AM O 1 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM-H 7 - AMOCO WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM-I 14 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM-I 15 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM-I 26 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM-I 31 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR 43 PAN AM-J 1 - KMG WELL - NO SURVEYS | | | | | | Out of range |
| UPRR PAN AM H 3 - KPK WELL - NO SURVEYS | | | | | | Out of range |
| UPRR43PANAM-I 16 - KPK WELL - NO SURVEYS | | | | | | Out of range |

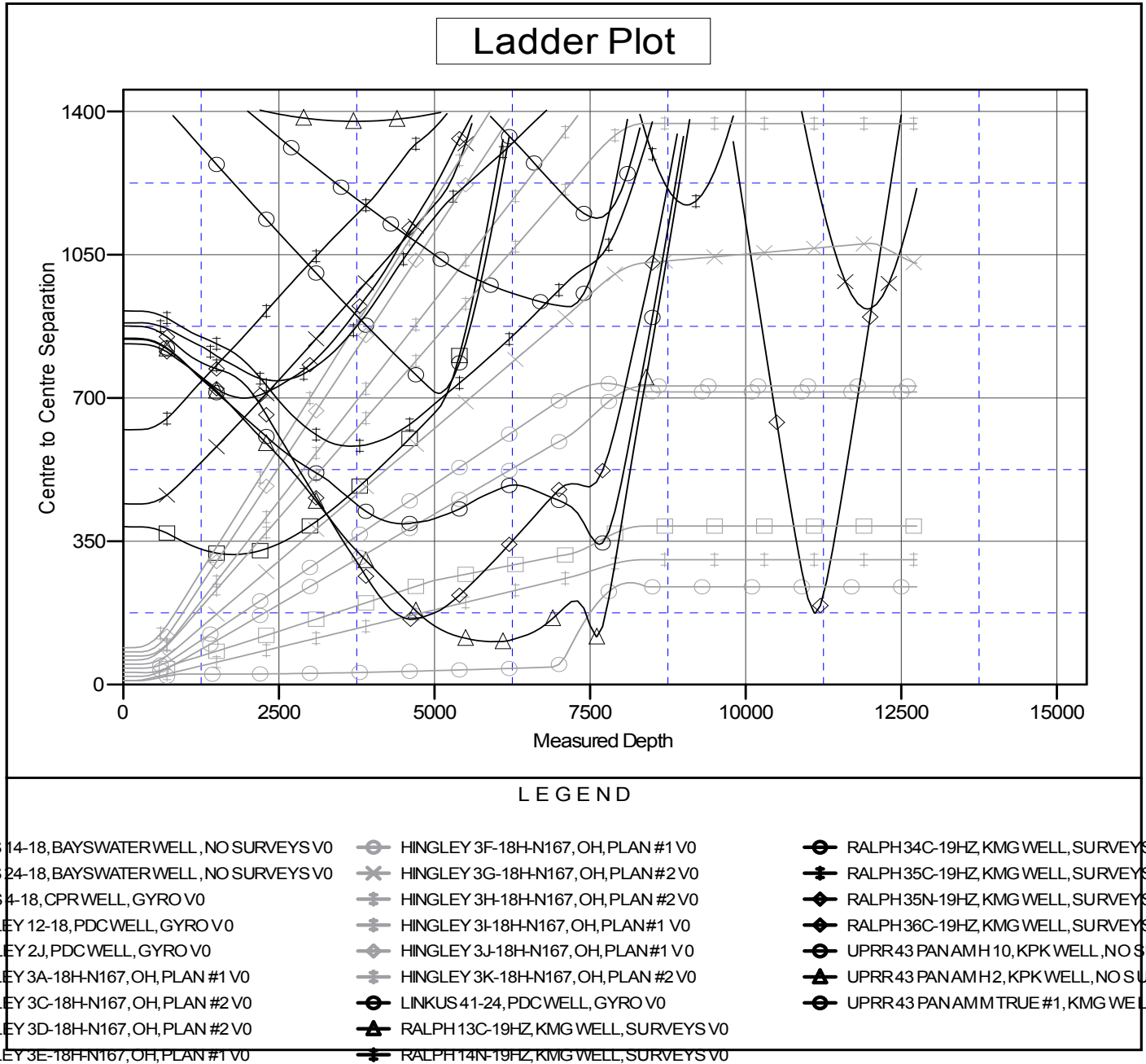
Cathedral Energy Services

Anticollision Summary Report

| | | | |
|---------------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well HINGLEY 3B-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | 23' KB @ 5132.00usft |
| Reference Site: | S18-T1N-R67W (HINGLEY) | MD Reference: | 23' KB @ 5132.00usft |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | HINGLEY 3B-18H-N167 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 usft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | PLAN #2 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to 23' KB @ 5132.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: HINGLEY 3B-18H-N167
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.36°



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

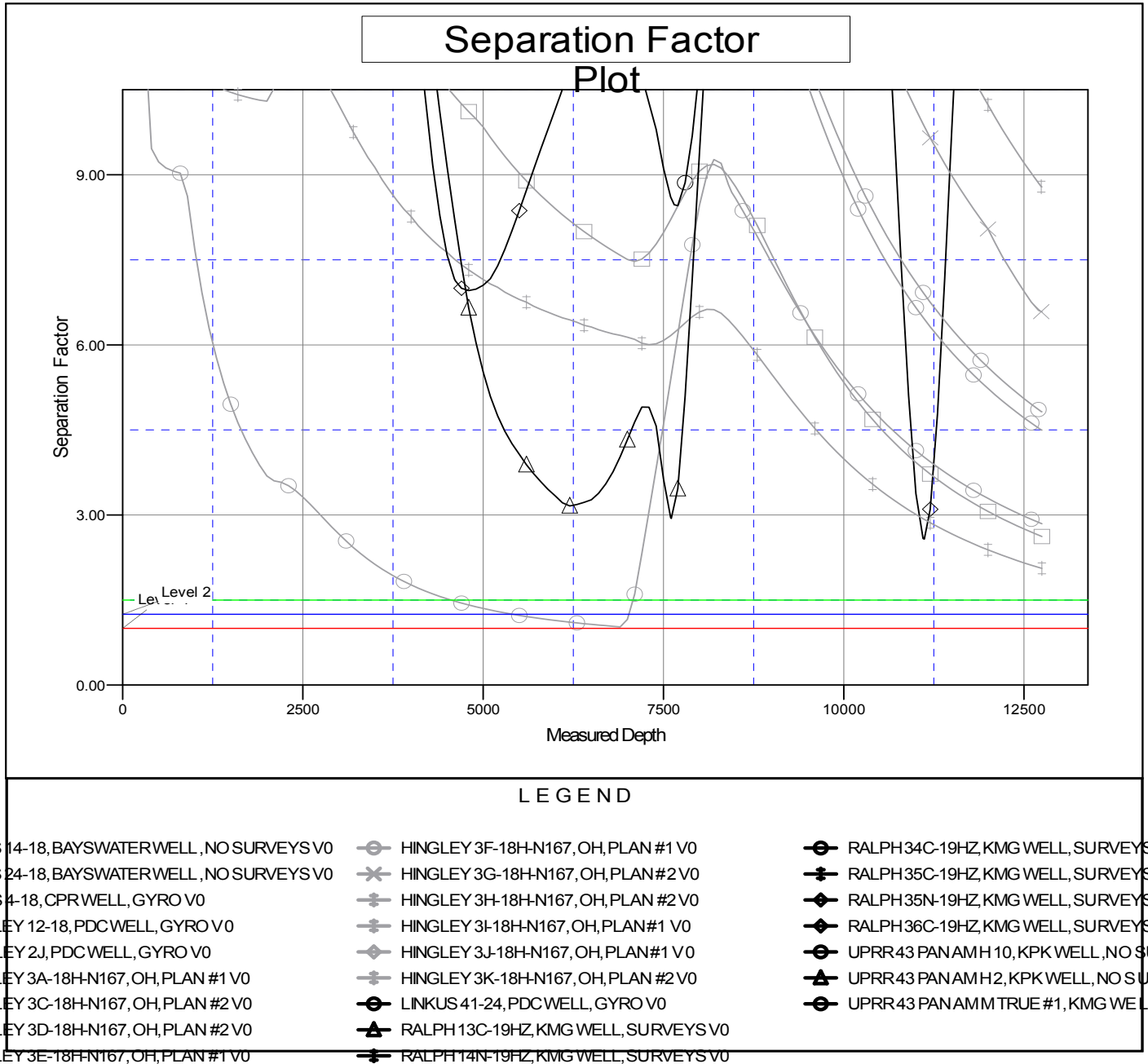
Cathedral Energy Services

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