

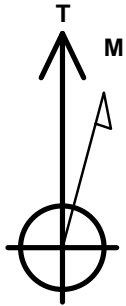
# Clear Creek Resource Partners

Well Name: **True Ranch Fee 502-2326H**

Surface Location: True Ranch Fee 2326H East Pad Sec.23-T15N-R65W  
 North American Datum 1983 , US State Plane 1983, Colorado Northern Zone  
 Ground Elevation: 5854.0  
 +N/-S+E/-W Northing Easting Longitude Slot  
 0.0 0.0 1607882.81 3241970.89 40.998710 -104.623440  
 Original Well Elev WELL @ 5877.0ft (Original Well Elev)

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 400'FNL & 1290'FEL, Sec.23	1.0	0.0	0.0	Point
BHL 600'FSL & 1620'FEL, Sec.26	8559.0	-9502.2	-472.2	Point
LPL 600'FNL & 1620'FEL, Sec.23	8574.0	-218.6	-334.0	Point



Azimuths to True North  
 Magnetic North: 8.55°

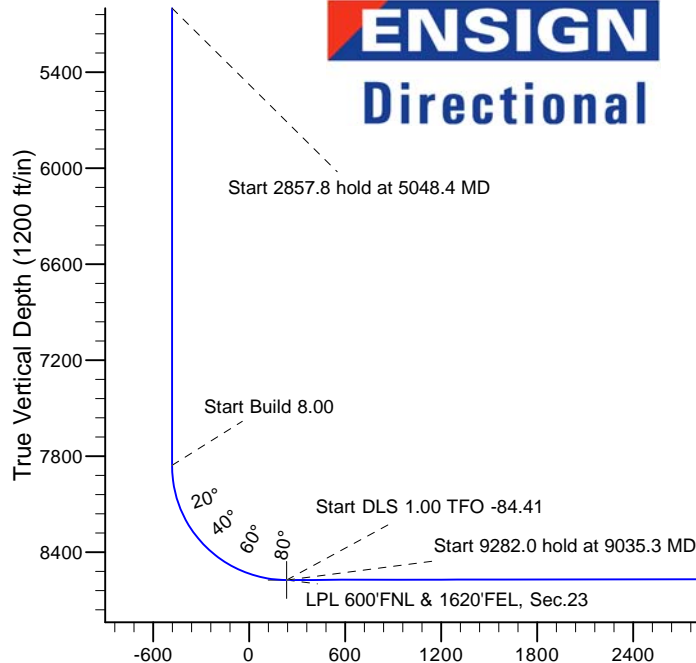
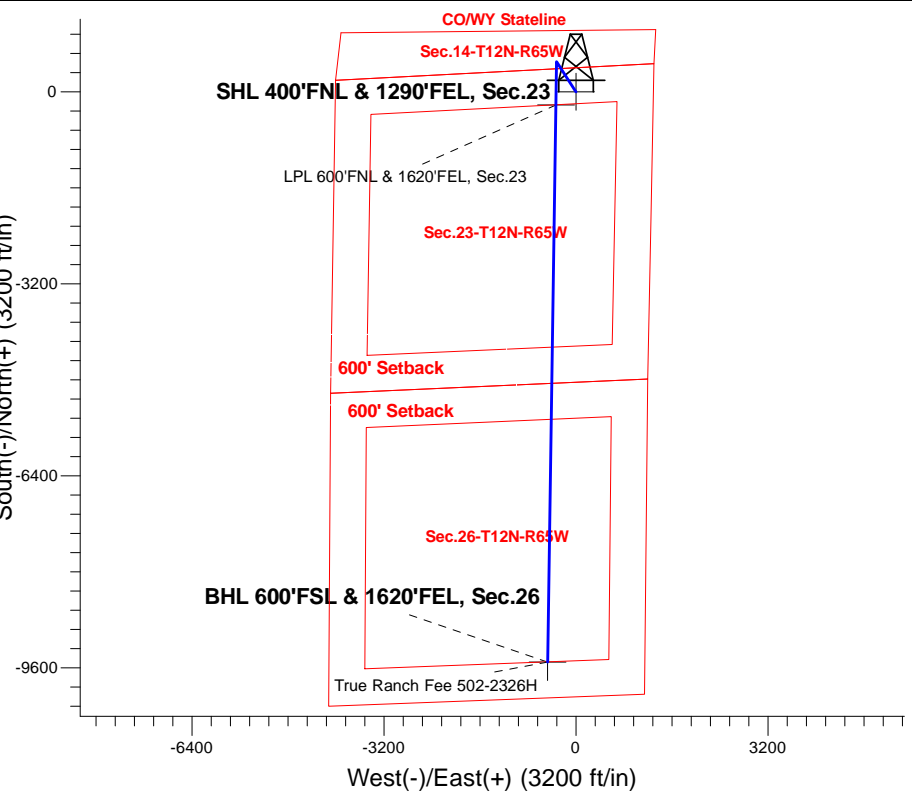
Magnetic Field  
 Strength: 52727.8snT  
 Dip Angle: 67.32°  
 Date: 2/1/2018  
 Model: HDGM

**True Ranch Fee 2326H East Pad Sec.23-T15N-R65W**  
**True Ranch Fee 502-2326H**  
**Plan #1 (1-29-18)**  
**13:23, February 02 2018**

## ANNOTATIONS

TVD	MD	Annotation
1000.0	1000.0	Start Build 1.50
1653.3	1656.6	Start 2899.4 hold at 1656.6 MD
4510.0	4556.0	Start Drop -2.00
5000.0	5048.4	Start 2857.8 hold at 5048.4 MD
7857.8	7906.2	Start Build 8.00
8574.0	9032.7	Start DLS 1.00 TFO -84.41
8574.0	9035.3	Start 9282.0 hold at 9035.3 MD
8559.0	18317.3	TD at 18317.3

South(-)/North(+) (3200 ft/in)



## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1656.6	9.85	327.09	1653.3	47.3	-30.6	1.50	327.09	-45.7	
4	4556.0	9.85	327.09	4510.0	463.6	-300.1	0.00	0.00	-448.1	
5	5048.4	0.00	0.00	5000.0	499.0	-323.0	2.00	180.00	-482.4	
6	7906.2	0.00	0.00	7857.8	499.0	-323.0	0.00	0.00	-482.4	
7	9032.3	90.09	180.88	8574.0	-218.2	-334.0	8.00	180.88	234.5	
8	9032.7	90.09	180.88	8574.0	-218.6	-334.0	0.00	0.00	234.9	LPL 600'FNL & 1620'FEL, Sec.23
9	9035.3	90.09	180.85	8574.0	-221.2	-334.1	1.00	-84.41	237.5	
10	18317.3	90.09	180.85	8559.0	-9502.2	-472.2	0.00	0.00	9513.9	BHL 600'FSL & 1620'FEL, Sec.26

**BHL 600'FSL & 1620'FEL, Sec.26**

Vertical Section at 182.84° (1200 ft/in)



## **Clear Creek Resource Partners**

**SEC.23-T15N-R65W**

**True Ranch Fee 2326H East Pad Sec.23-T15N-R65W**

**True Ranch Fee 502-2326H**

**Wellbore #1**

**Plan: Plan #1 (1-29-18)**

## **Standard Planning Report**

**02 February, 2018**

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-29-18)		

<b>Project</b>	SEC.23-T15N-R65W, Weld County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W				
<b>Site Position:</b>		<b>Northing:</b>	1,607,887.36 usft	<b>Latitude:</b>	40.998720
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,242,061.95 usft	<b>Longitude:</b>	-104.623110
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.57

<b>Well</b>	True Ranch Fee 502-2326H				
<b>Well Position</b>	<b>+N/-S</b>	-3.7 ft	<b>Northing:</b>	1,607,882.80 usft	<b>Latitude:</b> 40.998710
	<b>+E/-W</b>	-91.1 ft	<b>Easting:</b>	3,241,970.90 usft	<b>Longitude:</b> -104.623440
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	0.0 ft	<b>Ground Level:</b> 5,854.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/1/2018	8.55	67.32	52,728

Design	Plan #1 (1-29-18)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	182.84

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,656.6	9.85	327.09	1,653.3	47.3	-30.6	1.50	1.50	0.00	327.09	
4,556.0	9.85	327.09	4,510.0	463.6	-300.1	0.00	0.00	0.00	0.00	
5,048.4	0.00	0.00	5,000.0	499.0	-323.0	2.00	-2.00	0.00	180.00	
7,906.2	0.00	0.00	7,857.8	499.0	-323.0	0.00	0.00	0.00	0.00	
9,032.3	90.09	180.88	8,574.0	-218.2	-334.0	8.00	8.00	0.00	180.88	
9,032.7	90.09	180.88	8,574.0	-218.6	-334.0	0.00	0.00	0.00	0.00	LPL 600'FNL & 1620'
9,035.3	90.09	180.85	8,574.0	-221.2	-334.1	1.00	0.10	-1.00	-84.41	
18,317.3	90.09	180.85	8,559.0	-9,502.2	-472.2	0.00	0.00	0.00	0.00	BHL 600'FSL & 1620'

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-29-18)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>SHL 400'FNL &amp; 1290'FEL, Sec.23</b>									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Start Build 1.50</b>									
1,100.0	1.50	327.09	1,100.0	1.1	-0.7	-1.1	1.50	1.50	0.00
1,200.0	3.00	327.09	1,199.9	4.4	-2.8	-4.2	1.50	1.50	0.00
1,300.0	4.50	327.09	1,299.7	9.9	-6.4	-9.6	1.50	1.50	0.00
1,400.0	6.00	327.09	1,399.3	17.6	-11.4	-17.0	1.50	1.50	0.00
1,500.0	7.50	327.09	1,498.6	27.4	-17.8	-26.5	1.50	1.50	0.00
1,600.0	9.00	327.09	1,597.5	39.5	-25.6	-38.2	1.50	1.50	0.00
1,656.6	9.85	327.09	1,653.3	47.3	-30.6	-45.7	1.50	1.50	0.00
<b>Start 2899.4 hold at 1656.6 MD</b>									
1,700.0	9.85	327.09	1,696.1	53.5	-34.6	-51.7	0.00	0.00	0.00
1,800.0	9.85	327.09	1,794.7	67.8	-43.9	-65.6	0.00	0.00	0.00
1,900.0	9.85	327.09	1,893.2	82.2	-53.2	-79.5	0.00	0.00	0.00
2,000.0	9.85	327.09	1,991.7	96.6	-62.5	-93.3	0.00	0.00	0.00
2,100.0	9.85	327.09	2,090.2	110.9	-71.8	-107.2	0.00	0.00	0.00
2,200.0	9.85	327.09	2,188.8	125.3	-81.1	-121.1	0.00	0.00	0.00
2,300.0	9.85	327.09	2,287.3	139.6	-90.4	-135.0	0.00	0.00	0.00
2,400.0	9.85	327.09	2,385.8	154.0	-99.7	-148.9	0.00	0.00	0.00
2,500.0	9.85	327.09	2,484.3	168.4	-109.0	-162.7	0.00	0.00	0.00
2,600.0	9.85	327.09	2,582.9	182.7	-118.3	-176.6	0.00	0.00	0.00
2,700.0	9.85	327.09	2,681.4	197.1	-127.6	-190.5	0.00	0.00	0.00
2,800.0	9.85	327.09	2,779.9	211.4	-136.9	-204.4	0.00	0.00	0.00
2,900.0	9.85	327.09	2,878.4	225.8	-146.2	-218.3	0.00	0.00	0.00
3,000.0	9.85	327.09	2,977.0	240.1	-155.4	-232.1	0.00	0.00	0.00
3,100.0	9.85	327.09	3,075.5	254.5	-164.7	-246.0	0.00	0.00	0.00
3,200.0	9.85	327.09	3,174.0	268.9	-174.0	-259.9	0.00	0.00	0.00
3,300.0	9.85	327.09	3,272.6	283.2	-183.3	-273.8	0.00	0.00	0.00
3,400.0	9.85	327.09	3,371.1	297.6	-192.6	-287.7	0.00	0.00	0.00
3,500.0	9.85	327.09	3,469.6	311.9	-201.9	-301.5	0.00	0.00	0.00
3,600.0	9.85	327.09	3,568.1	326.3	-211.2	-315.4	0.00	0.00	0.00
3,700.0	9.85	327.09	3,666.7	340.7	-220.5	-329.3	0.00	0.00	0.00
3,800.0	9.85	327.09	3,765.2	355.0	-229.8	-343.2	0.00	0.00	0.00
3,900.0	9.85	327.09	3,863.7	369.4	-239.1	-357.1	0.00	0.00	0.00
4,000.0	9.85	327.09	3,962.2	383.7	-248.4	-370.9	0.00	0.00	0.00
4,100.0	9.85	327.09	4,060.8	398.1	-257.7	-384.8	0.00	0.00	0.00
4,200.0	9.85	327.09	4,159.3	412.5	-267.0	-398.7	0.00	0.00	0.00
4,300.0	9.85	327.09	4,257.8	426.8	-276.3	-412.6	0.00	0.00	0.00
4,400.0	9.85	327.09	4,356.3	441.2	-285.6	-426.5	0.00	0.00	0.00
4,500.0	9.85	327.09	4,454.9	455.5	-294.9	-440.3	0.00	0.00	0.00
4,556.0	9.85	327.09	4,510.0	463.6	-300.1	-448.1	0.00	0.00	0.00
<b>Start Drop -2.00</b>									

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<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-29-18)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.0	8.97	327.09	4,553.5	469.6	-304.0	-453.9	2.00	-2.00	0.00
4,700.0	6.97	327.09	4,652.5	481.2	-311.5	-465.2	2.00	-2.00	0.00
4,800.0	4.97	327.09	4,751.9	490.0	-317.2	-473.6	2.00	-2.00	0.00
4,900.0	2.97	327.09	4,851.7	495.8	-320.9	-479.2	2.00	-2.00	0.00
5,000.0	0.97	327.09	4,951.6	498.7	-322.8	-482.0	2.00	-2.00	0.00
5,048.4	0.00	0.00	5,000.0	499.0	-323.0	-482.4	2.00	-2.00	0.00
Start 2857.8 hold at 5048.4 MD									
5,100.0	0.00	0.00	5,051.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,151.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,251.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,351.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,451.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,551.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,651.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,751.6	499.0	-323.0	-482.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,851.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,951.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,051.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,151.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,251.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,351.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,451.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,551.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,651.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,751.6	499.0	-323.0	-482.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,851.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,951.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,051.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,151.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,251.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,351.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,451.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,551.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,651.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,751.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,851.6	499.0	-323.0	-482.4	0.00	0.00	0.00
7,906.2	0.00	0.00	7,857.8	499.0	-323.0	-482.4	0.00	0.00	0.00
Start Build 8.00									
8,000.0	7.51	180.88	7,951.4	492.9	-323.1	-476.2	8.00	8.00	0.00
8,100.0	15.51	180.88	8,049.3	472.9	-323.4	-456.3	8.00	8.00	0.00
8,200.0	23.51	180.88	8,143.5	439.6	-323.9	-423.0	8.00	8.00	0.00
8,300.0	31.51	180.88	8,232.1	393.4	-324.6	-376.8	8.00	8.00	0.00
8,400.0	39.51	180.88	8,313.4	335.4	-325.5	-318.8	8.00	8.00	0.00
8,500.0	47.51	180.88	8,385.9	266.6	-326.6	-250.1	8.00	8.00	0.00
8,600.0	55.51	180.88	8,448.1	188.4	-327.8	-171.9	8.00	8.00	0.00
8,700.0	63.51	180.88	8,498.8	102.4	-329.1	-85.9	8.00	8.00	0.00
8,800.0	71.51	180.88	8,537.0	10.0	-330.5	6.4	8.00	8.00	0.00
8,900.0	79.51	180.88	8,562.0	-86.7	-332.0	103.1	8.00	8.00	0.00
9,000.0	87.51	180.88	8,573.3	-185.9	-333.5	202.3	8.00	8.00	0.00
9,032.3	90.09	180.88	8,574.0	-218.2	-334.0	234.5	8.00	8.00	0.00
9,032.7	90.09	180.88	8,574.0	-218.6	-334.0	234.9	0.00	0.00	0.00
Start DLS 1.00 TFO -84.41 - LPL 600'FNL & 1620'FEL, Sec.23									
9,035.3	90.09	180.85	8,574.0	-221.2	-334.1	237.5	1.00	0.10	-1.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-29-18)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start 9282.0 hold at 9035.3 MD									
9,100.0	90.09	180.85	8,573.9	-285.9	-335.0	302.2	0.00	0.00	0.00
9,200.0	90.09	180.85	8,573.7	-385.9	-336.5	402.1	0.00	0.00	0.00
9,300.0	90.09	180.85	8,573.6	-485.9	-338.0	502.1	0.00	0.00	0.00
9,400.0	90.09	180.85	8,573.4	-585.9	-339.5	602.0	0.00	0.00	0.00
9,500.0	90.09	180.85	8,573.2	-685.9	-341.0	702.0	0.00	0.00	0.00
9,600.0	90.09	180.85	8,573.1	-785.9	-342.5	801.9	0.00	0.00	0.00
9,700.0	90.09	180.85	8,572.9	-885.9	-343.9	901.8	0.00	0.00	0.00
9,800.0	90.09	180.85	8,572.8	-985.8	-345.4	1,001.8	0.00	0.00	0.00
9,900.0	90.09	180.85	8,572.6	-1,085.8	-346.9	1,101.7	0.00	0.00	0.00
10,000.0	90.09	180.85	8,572.4	-1,185.8	-348.4	1,201.7	0.00	0.00	0.00
10,100.0	90.09	180.85	8,572.3	-1,285.8	-349.9	1,301.6	0.00	0.00	0.00
10,200.0	90.09	180.85	8,572.1	-1,385.8	-351.4	1,401.5	0.00	0.00	0.00
10,300.0	90.09	180.85	8,572.0	-1,485.8	-352.9	1,501.5	0.00	0.00	0.00
10,400.0	90.09	180.85	8,571.8	-1,585.8	-354.4	1,601.4	0.00	0.00	0.00
10,500.0	90.09	180.85	8,571.6	-1,685.8	-355.9	1,701.4	0.00	0.00	0.00
10,600.0	90.09	180.85	8,571.5	-1,785.8	-357.3	1,801.3	0.00	0.00	0.00
10,700.0	90.09	180.85	8,571.3	-1,885.7	-358.8	1,901.2	0.00	0.00	0.00
10,800.0	90.09	180.85	8,571.1	-1,985.7	-360.3	2,001.2	0.00	0.00	0.00
10,900.0	90.09	180.85	8,571.0	-2,085.7	-361.8	2,101.1	0.00	0.00	0.00
11,000.0	90.09	180.85	8,570.8	-2,185.7	-363.3	2,201.1	0.00	0.00	0.00
11,100.0	90.09	180.85	8,570.7	-2,285.7	-364.8	2,301.0	0.00	0.00	0.00
11,200.0	90.09	180.85	8,570.5	-2,385.7	-366.3	2,400.9	0.00	0.00	0.00
11,300.0	90.09	180.85	8,570.3	-2,485.7	-367.8	2,500.9	0.00	0.00	0.00
11,400.0	90.09	180.85	8,570.2	-2,585.7	-369.2	2,600.8	0.00	0.00	0.00
11,500.0	90.09	180.85	8,570.0	-2,685.7	-370.7	2,700.7	0.00	0.00	0.00
11,600.0	90.09	180.85	8,569.9	-2,785.6	-372.2	2,800.7	0.00	0.00	0.00
11,700.0	90.09	180.85	8,569.7	-2,885.6	-373.7	2,900.6	0.00	0.00	0.00
11,800.0	90.09	180.85	8,569.5	-2,985.6	-375.2	3,000.6	0.00	0.00	0.00
11,900.0	90.09	180.85	8,569.4	-3,085.6	-376.7	3,100.5	0.00	0.00	0.00
12,000.0	90.09	180.85	8,569.2	-3,185.6	-378.2	3,200.4	0.00	0.00	0.00
12,100.0	90.09	180.85	8,569.0	-3,285.6	-379.7	3,300.4	0.00	0.00	0.00
12,200.0	90.09	180.85	8,568.9	-3,385.6	-381.2	3,400.3	0.00	0.00	0.00
12,300.0	90.09	180.85	8,568.7	-3,485.6	-382.6	3,500.3	0.00	0.00	0.00
12,400.0	90.09	180.85	8,568.6	-3,585.6	-384.1	3,600.2	0.00	0.00	0.00
12,500.0	90.09	180.85	8,568.4	-3,685.5	-385.6	3,700.1	0.00	0.00	0.00
12,600.0	90.09	180.85	8,568.2	-3,785.5	-387.1	3,800.1	0.00	0.00	0.00
12,700.0	90.09	180.85	8,568.1	-3,885.5	-388.6	3,900.0	0.00	0.00	0.00
12,800.0	90.09	180.85	8,567.9	-3,985.5	-390.1	4,000.0	0.00	0.00	0.00
12,900.0	90.09	180.85	8,567.8	-4,085.5	-391.6	4,099.9	0.00	0.00	0.00
13,000.0	90.09	180.85	8,567.6	-4,185.5	-393.1	4,199.8	0.00	0.00	0.00
13,100.0	90.09	180.85	8,567.4	-4,285.5	-394.6	4,299.8	0.00	0.00	0.00
13,200.0	90.09	180.85	8,567.3	-4,385.5	-396.0	4,399.7	0.00	0.00	0.00
13,300.0	90.09	180.85	8,567.1	-4,485.5	-397.5	4,499.7	0.00	0.00	0.00
13,400.0	90.09	180.85	8,566.9	-4,585.4	-399.0	4,599.6	0.00	0.00	0.00
13,500.0	90.09	180.85	8,566.8	-4,685.4	-400.5	4,699.5	0.00	0.00	0.00
13,600.0	90.09	180.85	8,566.6	-4,785.4	-402.0	4,799.5	0.00	0.00	0.00
13,700.0	90.09	180.85	8,566.5	-4,885.4	-403.5	4,899.4	0.00	0.00	0.00
13,800.0	90.09	180.85	8,566.3	-4,985.4	-405.0	4,999.4	0.00	0.00	0.00
13,900.0	90.09	180.85	8,566.1	-5,085.4	-406.5	5,099.3	0.00	0.00	0.00
14,000.0	90.09	180.85	8,566.0	-5,185.4	-407.9	5,199.2	0.00	0.00	0.00
14,100.0	90.09	180.85	8,565.8	-5,285.4	-409.4	5,299.2	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-29-18)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,200.0	90.09	180.85	8,565.7	-5,385.4	-410.9	5,399.1	0.00	0.00	0.00
14,300.0	90.09	180.85	8,565.5	-5,485.3	-412.4	5,499.1	0.00	0.00	0.00
14,400.0	90.09	180.85	8,565.3	-5,585.3	-413.9	5,599.0	0.00	0.00	0.00
14,500.0	90.09	180.85	8,565.2	-5,685.3	-415.4	5,698.9	0.00	0.00	0.00
14,600.0	90.09	180.85	8,565.0	-5,785.3	-416.9	5,798.9	0.00	0.00	0.00
14,700.0	90.09	180.85	8,564.8	-5,885.3	-418.4	5,898.8	0.00	0.00	0.00
14,800.0	90.09	180.85	8,564.7	-5,985.3	-419.9	5,998.8	0.00	0.00	0.00
14,900.0	90.09	180.85	8,564.5	-6,085.3	-421.3	6,098.7	0.00	0.00	0.00
15,000.0	90.09	180.85	8,564.4	-6,185.3	-422.8	6,198.6	0.00	0.00	0.00
15,100.0	90.09	180.85	8,564.2	-6,285.3	-424.3	6,298.6	0.00	0.00	0.00
15,200.0	90.09	180.85	8,564.0	-6,385.2	-425.8	6,398.5	0.00	0.00	0.00
15,300.0	90.09	180.85	8,563.9	-6,485.2	-427.3	6,498.4	0.00	0.00	0.00
15,400.0	90.09	180.85	8,563.7	-6,585.2	-428.8	6,598.4	0.00	0.00	0.00
15,500.0	90.09	180.85	8,563.6	-6,685.2	-430.3	6,698.3	0.00	0.00	0.00
15,600.0	90.09	180.85	8,563.4	-6,785.2	-431.8	6,798.3	0.00	0.00	0.00
15,700.0	90.09	180.85	8,563.2	-6,885.2	-433.3	6,898.2	0.00	0.00	0.00
15,800.0	90.09	180.85	8,563.1	-6,985.2	-434.7	6,998.1	0.00	0.00	0.00
15,900.0	90.09	180.85	8,562.9	-7,085.2	-436.2	7,098.1	0.00	0.00	0.00
16,000.0	90.09	180.85	8,562.7	-7,185.2	-437.7	7,198.0	0.00	0.00	0.00
16,100.0	90.09	180.85	8,562.6	-7,285.1	-439.2	7,298.0	0.00	0.00	0.00
16,200.0	90.09	180.85	8,562.4	-7,385.1	-440.7	7,397.9	0.00	0.00	0.00
16,300.0	90.09	180.85	8,562.3	-7,485.1	-442.2	7,497.8	0.00	0.00	0.00
16,400.0	90.09	180.85	8,562.1	-7,585.1	-443.7	7,597.8	0.00	0.00	0.00
16,500.0	90.09	180.85	8,561.9	-7,685.1	-445.2	7,697.7	0.00	0.00	0.00
16,600.0	90.09	180.85	8,561.8	-7,785.1	-446.6	7,797.7	0.00	0.00	0.00
16,700.0	90.09	180.85	8,561.6	-7,885.1	-448.1	7,897.6	0.00	0.00	0.00
16,800.0	90.09	180.85	8,561.5	-7,985.1	-449.6	7,997.5	0.00	0.00	0.00
16,900.0	90.09	180.85	8,561.3	-8,085.1	-451.1	8,097.5	0.00	0.00	0.00
17,000.0	90.09	180.85	8,561.1	-8,185.0	-452.6	8,197.4	0.00	0.00	0.00
17,100.0	90.09	180.85	8,561.0	-8,285.0	-454.1	8,297.4	0.00	0.00	0.00
17,200.0	90.09	180.85	8,560.8	-8,385.0	-455.6	8,397.3	0.00	0.00	0.00
17,300.0	90.09	180.85	8,560.6	-8,485.0	-457.1	8,497.2	0.00	0.00	0.00
17,400.0	90.09	180.85	8,560.5	-8,585.0	-458.6	8,597.2	0.00	0.00	0.00
17,500.0	90.09	180.85	8,560.3	-8,685.0	-460.0	8,697.1	0.00	0.00	0.00
17,600.0	90.09	180.85	8,560.2	-8,785.0	-461.5	8,797.1	0.00	0.00	0.00
17,700.0	90.09	180.85	8,560.0	-8,885.0	-463.0	8,897.0	0.00	0.00	0.00
17,800.0	90.09	180.85	8,559.8	-8,985.0	-464.5	8,996.9	0.00	0.00	0.00
17,900.0	90.09	180.85	8,559.7	-9,084.9	-466.0	9,096.9	0.00	0.00	0.00
18,000.0	90.09	180.85	8,559.5	-9,184.9	-467.5	9,196.8	0.00	0.00	0.00
18,100.0	90.09	180.85	8,559.4	-9,284.9	-469.0	9,296.8	0.00	0.00	0.00
18,200.0	90.09	180.85	8,559.2	-9,384.9	-470.5	9,396.7	0.00	0.00	0.00
18,300.0	90.09	180.85	8,559.0	-9,484.9	-472.0	9,496.6	0.00	0.00	0.00
18,317.3	90.09	180.85	8,559.0	-9,502.2	-472.2	9,513.9	0.00	0.00	0.00
TD at 18317.3 - BHL 600°FSL & 1620°FEL, Sec.26									

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-29-18)		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL 400'FNL & 1290'FE - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,607,882.81	3,241,970.90	40.998710	-104.623440
BHL 600'FSL & 1620'FE - plan hits target center - Point	0.00	0.00	8,559.0	-9,502.2	-472.2	1,598,376.03	3,241,592.62	40.972630	-104.625150
LPL 600'FNL & 1620'FEI - plan hits target center - Point	0.00	0.00	8,574.0	-218.6	-334.0	1,607,660.91	3,241,639.05	40.998110	-104.624650

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,000.0	1,000.0	0.0	0.0	Start Build 1.50	
1,656.6	1,653.3	47.3	-30.6	Start 2899.4 hold at 1656.6 MD	
4,556.0	4,510.0	463.6	-300.1	Start Drop -2.00	
5,048.4	5,000.0	499.0	-323.0	Start 2857.8 hold at 5048.4 MD	
7,906.2	7,857.8	499.0	-323.0	Start Build 8.00	
9,032.7	8,574.0	-218.6	-334.0	Start DLS 1.00 TFO -84.41	
9,035.3	8,574.0	-221.2	-334.1	Start 9282.0 hold at 9035.3 MD	
18,317.3	8,559.0	-9,502.2	-472.2	TD at 18317.3	



## **Clear Creek Resource Partners**

**SEC.23-T15N-R65W**

**True Ranch Fee 2326H East Pad Sec.23-T15N-R65W**

**True Ranch Fee 502-2326H**

**Wellbore #1**

**Plan #1 (1-29-18)**

## **Anticollision Report**

**02 February, 2018**

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (1-29-18)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 50.0ft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 800.0 ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

Survey Tool Program		Date	2/2/2018		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	18,317.3	Plan #1 (1-29-18) (Wellbore #1)	MWD	MWD - Standard	

Summary							
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning	
Offset Well - Wellbore - Design							
True Ranch Fee 2326H East Pad Sec.23-T15N-R65W							
True Ranch Fee 201-2326H - Wellbore #1 - Plan #1 (1-2	1,000.0	993.0	91.2	86.9	21.427	CC, ES	
True Ranch Fee 201-2326H - Wellbore #1 - Plan #1 (1-2	1,250.0	1,238.2	101.2	95.8	18.914	SF	
True Ranch Fee 202-2326H - Wellbore #1 - Plan #1 (1-2	1,000.0	997.0	30.4	26.1	7.121	CC	
True Ranch Fee 202-2326H - Wellbore #1 - Plan #1 (1-2	1,050.0	1,047.0	30.5	26.1	6.807	ES	
True Ranch Fee 202-2326H - Wellbore #1 - Plan #1 (1-2	18,300.0	18,113.7	396.0	69.0	1.211	Level 2, SF	
True Ranch Fee 203-2326H - Wellbore #1 - Plan #1 (1-2	782.3	785.3	30.6	27.3	9.271	CC	
True Ranch Fee 203-2326H - Wellbore #1 - Plan #1 (1-2	800.0	803.0	30.6	27.2	9.053	ES	
True Ranch Fee 203-2326H - Wellbore #1 - Plan #1 (1-2	18,317.3	18,127.1	392.0	60.2	1.181	Level 2, SF	
True Ranch Fee 204-2326H - Wellbore #1 - Plan #1 (1-2	381.5	386.5	91.2	89.7	60.722	CC	
True Ranch Fee 204-2326H - Wellbore #1 - Plan #1 (1-2	400.0	404.9	91.2	89.6	57.557	ES	
True Ranch Fee 204-2326H - Wellbore #1 - Plan #1 (1-2	4,600.0	4,515.0	732.2	703.5	25.531	SF	
True Ranch Fee 501-2326H - Wellbore #1 - Plan #1 (1-2	1,000.0	995.0	60.8	56.6	14.284	CC	
True Ranch Fee 501-2326H - Wellbore #1 - Plan #1 (1-2	1,050.0	1,045.0	61.0	56.5	13.607	ES	
True Ranch Fee 501-2326H - Wellbore #1 - Plan #1 (1-2	18,300.0	18,315.6	679.1	307.6	1.828	SF	
True Ranch Fee 503-2326H - Wellbore #1 - Plan #1 (1-2	581.9	585.9	60.8	58.4	25.349	CC	
True Ranch Fee 503-2326H - Wellbore #1 - Plan #1 (1-2	600.0	603.9	60.8	58.4	24.522	ES	
True Ranch Fee 503-2326H - Wellbore #1 - Plan #1 (1-2	18,317.3	18,348.3	678.9	307.0	1.826	SF	

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 201-2326H - Wellbore #1 - Pla											Offset Site Error:	
Survey Program:		0-MWVD											Offset Well Error:	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	87.71	3.6	91.1	91.4					
50.0	50.0	43.0	43.0	0.1	0.0	87.71	3.6	91.1	91.2	91.1	0.10	871.316		
100.0	100.0	93.0	93.0	0.1	0.1	87.71	3.6	91.1	91.2	90.9	0.22	420.288		
150.0	150.0	143.0	143.0	0.2	0.2	87.71	3.6	91.1	91.2	90.7	0.43	210.158		
200.0	200.0	193.0	193.0	0.3	0.3	87.71	3.6	91.1	91.2	90.5	0.66	138.431		
250.0	250.0	243.0	243.0	0.4	0.4	87.71	3.6	91.1	91.2	90.3	0.88	103.207		
300.0	300.0	293.0	293.0	0.6	0.5	87.71	3.6	91.1	91.2	90.1	1.11	82.273		
350.0	350.0	343.0	343.0	0.7	0.7	87.71	3.6	91.1	91.2	89.8	1.33	68.399		
400.0	400.0	393.0	393.0	0.8	0.8	87.71	3.6	91.1	91.2	89.6	1.56	58.529		
450.0	450.0	443.0	443.0	0.9	0.9	87.71	3.6	91.1	91.2	89.4	1.78	51.148		

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 201-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
500.0	500.0	493.0	493.0	1.0	1.0	87.71	3.6	91.1	91.2	89.2	2.01	45.420		
550.0	550.0	543.0	543.0	1.1	1.1	87.71	3.6	91.1	91.2	88.9	2.23	40.846		
600.0	600.0	593.0	593.0	1.2	1.2	87.71	3.6	91.1	91.2	88.7	2.46	37.109		
650.0	650.0	643.0	643.0	1.3	1.3	87.71	3.6	91.1	91.2	88.5	2.68	33.999		
700.0	700.0	693.0	693.0	1.5	1.4	87.71	3.6	91.1	91.2	88.3	2.91	31.369		
750.0	750.0	743.0	743.0	1.6	1.6	87.71	3.6	91.1	91.2	88.0	3.13	29.117		
800.0	800.0	793.0	793.0	1.7	1.7	87.71	3.6	91.1	91.2	87.8	3.36	27.167		
850.0	850.0	843.0	843.0	1.8	1.8	87.71	3.6	91.1	91.2	87.6	3.58	25.462		
900.0	900.0	893.0	893.0	1.9	1.9	87.71	3.6	91.1	91.2	87.4	3.81	23.958		
950.0	950.0	943.0	943.0	2.0	2.0	87.71	3.6	91.1	91.2	87.1	4.03	22.622		
1,000.0	1,000.0	993.0	993.0	2.1	2.1	87.71	3.6	91.1	91.2	86.9	4.25	21.427 CC, ES		
1,050.0	1,050.0	1,042.2	1,042.2	2.2	2.2	120.70	3.8	91.3	91.5	87.0	4.47	20.452		
1,100.0	1,100.0	1,091.3	1,091.3	2.4	2.3	120.85	4.4	91.9	92.7	88.0	4.69	19.746		
1,150.0	1,150.0	1,140.3	1,140.3	2.5	2.4	121.08	5.4	93.0	94.7	89.8	4.91	19.278		
1,200.0	1,199.9	1,189.3	1,189.3	2.6	2.6	121.37	6.8	94.6	97.5	92.4	5.13	19.013		
1,250.0	1,249.8	1,238.2	1,238.1	2.7	2.7	121.70	8.6	96.6	101.2	95.8	5.35	18.914 SF		
1,300.0	1,299.7	1,287.0	1,286.8	2.8	2.8	122.07	10.9	99.1	105.6	100.1	5.57	18.972		
1,350.0	1,349.5	1,335.7	1,335.3	2.9	2.9	122.46	13.6	102.0	111.0	105.2	5.79	19.153		
1,400.0	1,399.3	1,384.3	1,383.6	3.0	3.0	122.86	16.6	105.4	117.1	111.1	6.02	19.458		
1,450.0	1,449.0	1,432.6	1,431.7	3.2	3.1	123.25	20.1	109.2	124.0	117.8	6.25	19.850		
1,500.0	1,498.6	1,480.8	1,479.6	3.3	3.2	123.63	24.0	113.5	131.8	125.3	6.48	20.340		
1,550.0	1,548.1	1,528.8	1,527.2	3.4	3.4	123.99	28.2	118.2	140.4	133.7	6.72	20.889		
1,600.0	1,597.5	1,576.6	1,574.5	3.6	3.5	124.33	32.8	123.3	149.8	142.9	6.96	21.513		
1,650.0	1,646.9	1,624.2	1,621.4	3.7	3.6	124.64	37.9	128.8	160.0	152.8	7.22	22.179		
1,700.0	1,696.1	1,671.5	1,668.1	3.9	3.8	124.98	43.2	134.7	170.9	163.5	7.47	22.868		
1,750.0	1,745.4	1,718.7	1,714.5	4.0	3.9	125.16	49.0	141.0	182.2	174.5	7.74	23.543		
1,800.0	1,794.7	1,765.7	1,760.6	4.2	4.1	125.19	55.1	147.7	194.0	186.0	8.01	24.214		
1,850.0	1,843.9	1,812.5	1,806.4	4.3	4.2	125.10	61.5	154.8	206.1	197.8	8.29	24.864		
1,900.0	1,893.2	1,860.8	1,853.6	4.5	4.4	124.96	68.4	162.4	218.5	209.9	8.57	25.483		
1,950.0	1,942.4	1,909.3	1,901.0	4.7	4.6	124.83	75.3	170.0	230.9	222.0	8.87	26.044		
2,000.0	1,991.7	1,957.7	1,948.3	4.8	4.8	124.71	82.2	177.6	243.3	234.1	9.16	26.556		
2,050.0	2,041.0	2,006.1	1,995.6	5.0	4.9	124.61	89.1	185.2	255.7	246.2	9.46	27.033		
2,100.0	2,090.2	2,054.6	2,043.0	5.2	5.1	124.51	96.0	192.8	268.0	258.3	9.76	27.466		
2,150.0	2,139.5	2,103.0	2,090.3	5.4	5.3	124.43	102.9	200.4	280.4	270.4	10.06	27.867		
2,200.0	2,188.8	2,151.5	2,137.7	5.5	5.5	124.35	109.7	208.0	292.8	282.5	10.37	28.234		
2,250.0	2,238.0	2,199.9	2,185.0	5.7	5.7	124.28	116.6	215.6	305.2	294.5	10.68	28.574		
2,300.0	2,287.3	2,248.3	2,232.3	5.9	5.9	124.21	123.5	223.2	317.6	306.6	10.99	28.888		
2,350.0	2,336.6	2,296.8	2,279.7	6.1	6.1	124.15	130.4	230.8	330.0	318.7	11.31	29.180		
2,400.0	2,385.8	2,345.2	2,327.0	6.3	6.3	124.09	137.3	238.3	342.4	330.8	11.63	29.449		
2,450.0	2,435.1	2,393.7	2,374.4	6.4	6.5	124.04	144.2	245.9	354.8	342.8	11.94	29.701		
2,500.0	2,484.3	2,442.1	2,421.7	6.6	6.7	123.99	151.1	253.5	367.2	354.9	12.27	29.935		
2,550.0	2,533.6	2,490.5	2,469.0	6.8	6.9	123.94	158.0	261.1	379.6	367.0	12.59	30.153		
2,600.0	2,582.9	2,539.0	2,516.4	7.0	7.1	123.90	164.9	268.7	391.9	379.0	12.91	30.357		
2,650.0	2,632.1	2,587.4	2,563.7	7.2	7.3	123.85	171.8	276.3	404.3	391.1	13.24	30.548		
2,700.0	2,681.4	2,635.9	2,611.1	7.4	7.5	123.82	178.7	283.9	416.7	403.2	13.56	30.727		
2,750.0	2,730.7	2,684.3	2,658.4	7.5	7.7	123.78	185.6	291.5	429.1	415.2	13.89	30.894		
2,800.0	2,779.9	2,732.7	2,705.8	7.7	8.0	123.75	192.5	299.1	441.5	427.3	14.22	31.052		
2,850.0	2,829.2	2,781.2	2,753.1	7.9	8.2	123.71	199.4	306.7	453.9	439.3	14.55	31.200		
2,900.0	2,878.4	2,829.6	2,800.4	8.1	8.4	123.68	206.2	314.3	466.3	451.4	14.88	31.341		
2,950.0	2,927.7	2,878.1	2,847.8	8.3	8.6	123.65	213.1	321.9	478.7	463.5	15.21	31.472		
3,000.0	2,977.0	2,926.5	2,895.1	8.5	8.8	123.63	220.0	329.5	491.1	475.5	15.54	31.597		

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

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 201-2326H - Wellbore #1 - Pla											Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
3,050.0	3,026.2	2,974.9	2,942.5	8.7	9.0	123.60	226.9	337.1	503.5	487.6	15.87	31.715			
3,100.0	3,075.5	3,023.4	2,989.8	8.9	9.2	123.57	233.8	344.7	515.9	499.6	16.21	31.827			
3,150.0	3,124.8	3,071.8	3,037.1	9.0	9.4	123.55	240.7	352.3	528.2	511.7	16.54	31.932			
3,200.0	3,174.0	3,120.2	3,084.5	9.2	9.6	123.53	247.6	359.8	540.6	523.8	16.88	32.033			
3,250.0	3,223.3	3,168.7	3,131.8	9.4	9.9	123.51	254.5	367.4	553.0	535.8	17.21	32.128			
3,300.0	3,272.6	3,217.1	3,179.2	9.6	10.1	123.48	261.4	375.0	565.4	547.9	17.55	32.218			
3,350.0	3,321.8	3,265.6	3,226.5	9.8	10.3	123.46	268.3	382.6	577.8	559.9	17.89	32.304			
3,400.0	3,371.1	3,314.0	3,273.9	10.0	10.5	123.45	275.2	390.2	590.2	572.0	18.22	32.387			
3,450.0	3,420.3	3,362.4	3,321.2	10.2	10.7	123.43	282.1	397.8	602.6	584.0	18.56	32.465			
3,500.0	3,469.6	3,410.9	3,368.5	10.4	10.9	123.41	289.0	405.4	615.0	596.1	18.90	32.540			
3,550.0	3,518.9	3,459.3	3,415.9	10.6	11.2	123.39	295.9	413.0	627.4	608.1	19.24	32.611			
3,600.0	3,568.1	3,507.8	3,463.2	10.8	11.4	123.38	302.8	420.6	639.8	620.2	19.58	32.679			
3,650.0	3,617.4	3,556.2	3,510.6	10.9	11.6	123.36	309.6	428.2	652.2	632.3	19.92	32.744			
3,700.0	3,666.7	3,604.6	3,557.9	11.1	11.8	123.35	316.5	435.8	664.6	644.3	20.26	32.807			
3,750.0	3,715.9	3,653.1	3,605.2	11.3	12.0	123.33	323.4	443.4	677.0	656.4	20.60	32.867			
3,800.0	3,765.2	3,701.5	3,652.6	11.5	12.2	123.32	330.3	451.0	689.4	668.4	20.94	32.924			
3,850.0	3,814.4	3,750.0	3,699.9	11.7	12.5	123.30	337.2	458.6	701.7	680.5	21.28	32.979			
3,900.0	3,863.7	3,798.4	3,747.3	11.9	12.7	123.29	344.1	466.2	714.1	692.5	21.62	33.032			
3,950.0	3,913.0	3,846.8	3,794.6	12.1	12.9	123.28	351.0	473.7	726.5	704.6	21.96	33.083			
4,000.0	3,962.2	3,895.3	3,842.0	12.3	13.1	123.27	357.9	481.3	738.9	716.6	22.30	33.132			
4,050.0	4,011.5	3,943.7	3,889.3	12.5	13.3	123.26	364.8	488.9	751.3	728.7	22.64	33.178			
4,100.0	4,060.8	3,992.2	3,936.6	12.7	13.5	123.24	371.7	496.5	763.7	740.7	22.99	33.224			
4,150.0	4,110.0	4,040.6	3,984.0	12.9	13.8	123.23	378.6	504.1	776.1	752.8	23.33	33.267			
4,200.0	4,159.3	4,089.0	4,031.3	13.1	14.0	123.22	385.5	511.7	788.5	764.8	23.67	33.309			

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis		Distance				Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	89.99	0.0	30.4	30.5				
50.0	50.0	47.0	47.0	0.1	0.1	89.99	0.0	30.4	30.4	30.3	0.11	278.272	
100.0	100.0	97.0	97.0	0.1	0.1	89.99	0.0	30.4	30.4	30.1	0.22	137.147	
150.0	150.0	147.0	147.0	0.2	0.2	89.99	0.0	30.4	30.4	29.9	0.44	68.575	
200.0	200.0	197.0	197.0	0.3	0.3	89.99	0.0	30.4	30.4	29.7	0.67	45.486	
250.0	250.0	247.0	247.0	0.4	0.4	89.99	0.0	30.4	30.4	29.5	0.89	34.028	
300.0	300.0	297.0	297.0	0.6	0.6	89.99	0.0	30.4	30.4	29.2	1.12	27.182	
350.0	350.0	347.0	347.0	0.7	0.7	89.99	0.0	30.4	30.4	29.0	1.34	22.629	
400.0	400.0	397.0	397.0	0.8	0.8	89.99	0.0	30.4	30.4	28.8	1.57	19.382	
450.0	450.0	447.0	447.0	0.9	0.9	89.99	0.0	30.4	30.4	28.6	1.79	16.950	
500.0	500.0	497.0	497.0	1.0	1.0	89.99	0.0	30.4	30.4	28.3	2.02	15.061	
550.0	550.0	547.0	547.0	1.1	1.1	89.99	0.0	30.4	30.4	28.1	2.24	13.550	
600.0	600.0	597.0	597.0	1.2	1.2	89.99	0.0	30.4	30.4	27.9	2.47	12.315	
650.0	650.0	647.0	647.0	1.3	1.3	89.99	0.0	30.4	30.4	27.7	2.69	11.286	
700.0	700.0	697.0	697.0	1.5	1.5	89.99	0.0	30.4	30.4	27.4	2.92	10.416	
750.0	750.0	747.0	747.0	1.6	1.6	89.99	0.0	30.4	30.4	27.2	3.14	9.670	
800.0	800.0	797.0	797.0	1.7	1.7	89.99	0.0	30.4	30.4	27.0	3.36	9.024	
850.0	850.0	847.0	847.0	1.8	1.8	89.99	0.0	30.4	30.4	26.8	3.59	8.459	
900.0	900.0	897.0	897.0	1.9	1.9	89.99	0.0	30.4	30.4	26.6	3.81	7.961	
950.0	950.0	947.0	947.0	2.0	2.0	89.99	0.0	30.4	30.4	26.3	4.04	7.518	
1,000.0	1,000.0	997.0	997.0	2.1	2.1	89.99	0.0	30.4	30.4	26.1	4.26	7.121 CC	
1,050.0	1,050.0	1,047.0	1,047.0	2.2	2.2	123.42	0.0	30.4	30.5	26.1	4.49	6.807 ES	
1,100.0	1,100.0	1,097.0	1,097.0	2.4	2.4	124.92	0.0	30.4	31.1	26.4	4.71	6.601	
1,150.0	1,150.0	1,147.0	1,147.0	2.5	2.5	127.31	0.0	30.4	32.1	27.1	4.93	6.498	
1,200.0	1,199.9	1,196.9	1,196.9	2.6	2.6	130.41	0.0	30.4	33.5	28.3	5.16	6.496	
1,250.0	1,249.8	1,246.8	1,246.8	2.7	2.7	134.00	0.0	30.4	35.5	30.1	5.38	6.594	
1,300.0	1,299.7	1,296.7	1,296.7	2.8	2.8	137.87	0.0	30.4	38.1	32.5	5.60	6.794	
1,350.0	1,349.5	1,346.5	1,346.5	2.9	2.9	141.79	0.0	30.4	41.3	35.5	5.83	7.090	
1,400.0	1,399.3	1,396.3	1,396.3	3.0	3.0	145.59	0.0	30.4	45.3	39.2	6.05	7.484	
1,450.0	1,449.0	1,446.0	1,446.0	3.2	3.1	149.15	0.0	30.4	50.0	43.7	6.28	7.963	
1,500.0	1,498.6	1,495.6	1,495.6	3.3	3.2	152.40	0.0	30.4	55.4	48.9	6.50	8.526	
1,550.0	1,548.1	1,545.1	1,545.1	3.4	3.4	155.31	0.0	30.4	61.6	54.8	6.72	9.160	
1,600.0	1,597.5	1,594.5	1,594.5	3.6	3.5	157.89	0.0	30.4	68.4	61.5	6.94	9.864	
1,650.0	1,646.9	1,643.9	1,643.9	3.7	3.6	160.15	0.0	30.4	76.1	68.9	7.16	10.624	
1,700.0	1,696.1	1,693.1	1,693.1	3.9	3.7	162.12	0.0	30.4	84.2	76.8	7.38	11.400	
1,750.0	1,745.4	1,742.4	1,742.4	4.0	3.8	163.75	0.0	30.4	92.4	84.7	7.61	12.137	
1,800.0	1,794.7	1,791.7	1,791.7	4.2	3.9	165.11	0.0	30.4	100.6	92.8	7.83	12.844	
1,850.0	1,843.9	1,840.9	1,840.9	4.3	4.0	166.27	0.0	30.4	108.9	100.8	8.06	13.512	
1,900.0	1,893.2	1,890.2	1,890.2	4.5	4.1	167.26	0.0	30.4	117.2	108.9	8.29	14.149	
1,950.0	1,942.4	1,939.4	1,939.4	4.7	4.2	168.12	0.0	30.4	125.6	117.1	8.51	14.754	
2,000.0	1,991.7	1,988.7	1,988.7	4.8	4.4	168.87	0.0	30.4	134.0	125.2	8.74	15.330	
2,050.0	2,041.0	2,039.1	2,039.1	5.0	4.5	169.49	0.2	30.4	142.2	133.3	8.97	15.857	
2,100.0	2,090.2	2,089.9	2,089.9	5.2	4.6	169.89	1.1	30.3	150.0	140.8	9.20	16.306	
2,150.0	2,139.5	2,140.9	2,140.9	5.4	4.7	170.08	2.6	30.3	157.3	147.9	9.43	16.679	
2,200.0	2,188.8	2,192.1	2,192.0	5.5	4.8	170.09	4.8	30.2	164.1	154.5	9.67	16.981	
2,250.0	2,238.0	2,243.3	2,243.2	5.7	4.9	169.95	7.7	30.2	170.4	160.5	9.90	17.214	
2,300.0	2,287.3	2,294.7	2,294.5	5.9	5.0	169.67	11.4	30.1	176.3	166.1	10.14	17.387	
2,350.0	2,336.6	2,346.3	2,345.8	6.1	5.2	169.26	15.7	29.9	181.6	171.2	10.38	17.497	
2,400.0	2,385.8	2,397.8	2,397.1	6.3	5.3	168.73	20.7	29.8	186.4	175.8	10.62	17.556	
2,450.0	2,435.1	2,449.5	2,448.4	6.4	5.4	168.09	26.4	29.7	190.7	179.9	10.86	17.560	
2,500.0	2,484.3	2,501.2	2,499.7	6.6	5.5	167.33	32.8	29.5	194.6	183.5	11.11	17.519	

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,550.0	2,533.6	2,552.9	2,550.9	6.8	5.6	166.46	39.9	29.3	198.1	186.7	11.36	17.433		
2,600.0	2,582.9	2,602.9	2,600.5	7.0	5.8	165.56	47.2	29.1	201.2	189.6	11.61	17.327		
2,650.0	2,632.1	2,652.7	2,649.7	7.2	5.9	164.69	54.5	28.9	204.5	192.6	11.87	17.224		
2,700.0	2,681.4	2,702.5	2,699.0	7.4	6.0	163.85	61.8	28.7	207.7	195.6	12.13	17.127		
2,750.0	2,730.7	2,752.3	2,748.3	7.5	6.2	163.03	69.1	28.5	211.0	198.6	12.39	17.031		
2,800.0	2,779.9	2,802.1	2,797.5	7.7	6.3	162.24	76.3	28.3	214.4	201.7	12.66	16.940		
2,850.0	2,829.2	2,851.9	2,846.8	7.9	6.4	161.48	83.6	28.1	217.8	204.8	12.92	16.850		
2,900.0	2,878.4	2,901.7	2,896.1	8.1	6.6	160.74	90.9	27.9	221.2	208.0	13.19	16.764		
2,950.0	2,927.7	2,951.5	2,945.3	8.3	6.7	160.02	98.1	27.7	224.7	211.2	13.47	16.678		
3,000.0	2,977.0	3,001.3	2,994.6	8.5	6.8	159.32	105.4	27.5	228.2	214.4	13.75	16.597		
3,050.0	3,026.2	3,051.1	3,043.9	8.7	7.0	158.64	112.7	27.3	231.7	217.7	14.03	16.517		
3,100.0	3,075.5	3,100.9	3,093.1	8.9	7.1	157.99	120.0	27.1	235.2	220.9	14.31	16.440		
3,150.0	3,124.8	3,150.7	3,142.4	9.0	7.3	157.35	127.2	26.9	238.8	224.2	14.60	16.364		
3,200.0	3,174.0	3,200.5	3,191.7	9.2	7.4	156.73	134.5	26.7	242.5	227.6	14.88	16.291		
3,250.0	3,223.3	3,250.3	3,240.9	9.4	7.6	156.13	141.8	26.5	246.1	230.9	15.17	16.219		
3,300.0	3,272.6	3,300.1	3,290.2	9.6	7.7	155.55	149.0	26.3	249.8	234.3	15.47	16.150		
3,350.0	3,321.8	3,349.9	3,339.5	9.8	7.9	154.99	156.3	26.1	253.5	237.7	15.76	16.081		
3,400.0	3,371.1	3,399.7	3,388.7	10.0	8.0	154.44	163.6	25.9	257.2	241.1	16.06	16.016		
3,450.0	3,420.3	3,449.5	3,438.0	10.2	8.2	153.90	170.9	25.7	260.9	244.6	16.36	15.951		
3,500.0	3,469.6	3,499.3	3,487.3	10.4	8.3	153.39	178.1	25.5	264.7	248.0	16.66	15.889		
3,550.0	3,518.9	3,549.1	3,536.5	10.6	8.5	152.88	185.4	25.4	268.5	251.5	16.96	15.828		
3,600.0	3,568.1	3,598.9	3,585.8	10.8	8.6	152.39	192.7	25.2	272.3	255.0	17.27	15.769		
3,650.0	3,617.4	3,648.8	3,635.1	10.9	8.8	151.92	200.0	25.0	276.1	258.6	17.58	15.711		
3,700.0	3,666.7	3,698.6	3,684.3	11.1	8.9	151.45	207.2	24.8	280.0	262.1	17.88	15.655		
3,750.0	3,715.9	3,748.4	3,733.6	11.3	9.1	151.00	214.5	24.6	283.8	265.6	18.20	15.600		
3,800.0	3,765.2	3,798.2	3,782.9	11.5	9.3	150.56	221.8	24.4	287.7	269.2	18.51	15.547		
3,850.0	3,814.4	3,848.0	3,832.1	11.7	9.4	150.14	229.0	24.2	291.6	272.8	18.82	15.495		
3,900.0	3,863.7	3,897.8	3,881.4	11.9	9.6	149.72	236.3	24.0	295.5	276.4	19.14	15.444		
3,950.0	3,913.0	3,947.6	3,930.7	12.1	9.7	149.32	243.6	23.8	299.5	280.0	19.45	15.395		
4,000.0	3,962.2	3,997.4	3,979.9	12.3	9.9	148.92	250.9	23.6	303.4	283.6	19.77	15.347		
4,050.0	4,011.5	4,047.2	4,029.2	12.5	10.1	148.54	258.1	23.4	307.4	287.3	20.09	15.300		
4,100.0	4,060.8	4,097.0	4,078.5	12.7	10.2	148.17	265.4	23.2	311.3	290.9	20.41	15.255		
4,150.0	4,110.0	4,146.8	4,127.7	12.9	10.4	147.80	272.7	23.0	315.3	294.6	20.73	15.210		
4,200.0	4,159.3	4,196.6	4,177.0	13.1	10.5	147.45	280.0	22.8	319.3	298.2	21.05	15.167		
4,250.0	4,208.6	4,246.4	4,226.3	13.3	10.7	147.10	287.2	22.6	323.3	301.9	21.38	15.125		
4,300.0	4,257.8	4,296.2	4,275.5	13.4	10.9	146.76	294.5	22.4	327.3	305.6	21.70	15.084		
4,350.0	4,307.1	4,346.0	4,324.8	13.6	11.0	146.43	301.8	22.2	331.4	309.3	22.03	15.044		
4,400.0	4,356.3	4,395.8	4,374.1	13.8	11.2	146.11	309.0	22.0	335.4	313.0	22.35	15.005		
4,450.0	4,405.6	4,445.6	4,423.3	14.0	11.3	145.79	316.3	21.8	339.4	316.8	22.68	14.967		
4,500.0	4,454.9	4,495.4	4,472.6	14.2	11.5	145.49	323.6	21.6	343.5	320.5	23.01	14.930		
4,550.0	4,504.1	4,545.2	4,521.9	14.4	11.7	145.19	330.9	21.4	347.6	324.2	23.34	14.893		
4,600.0	4,553.5	4,595.0	4,571.2	14.6	11.8	144.90	338.1	21.2	351.4	327.7	23.67	14.845		
4,650.0	4,602.9	4,644.8	4,620.5	14.7	12.0	144.54	345.4	21.0	355.5	330.5	23.99	14.778		
4,700.0	4,652.5	4,694.7	4,669.8	14.9	12.2	144.09	352.7	20.8	359.9	332.6	24.31	14.683		
4,750.0	4,702.2	4,744.5	4,719.1	15.0	12.3	143.56	360.0	20.6	358.6	334.0	24.62	14.565		
4,800.0	4,751.9	4,794.4	4,768.4	15.1	12.5	142.95	367.3	20.4	359.7	334.8	24.94	14.422		
4,850.0	4,801.8	4,844.2	4,817.7	15.2	12.7	142.25	374.5	20.2	360.2	334.9	25.26	14.260		
4,900.0	4,851.7	4,893.9	4,866.9	15.3	12.8	141.46	381.8	20.0	360.0	334.4	25.58	14.074		
4,950.0	4,901.6	4,943.6	4,916.0	15.4	13.0	140.57	389.0	19.8	359.2	333.3	25.89	13.873		
5,000.0	4,951.6	4,993.2	4,965.1	15.4	13.2	139.58	396.3	19.7	357.8	331.6	26.21	13.651		
5,050.0	5,001.6	5,042.7	5,014.1	15.5	13.3	105.58	403.5	19.5	355.9	329.3	26.60	13.376		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	5,051.6	5,092.2	5,063.0	15.6	13.5	104.46	410.7	19.3	353.8	326.8	26.94	13.131		
5,150.0	5,101.6	5,141.7	5,112.0	15.7	13.7	103.33	418.0	19.1	351.8	324.5	27.28	12.893		
5,200.0	5,151.6	5,191.1	5,160.9	15.7	13.8	102.18	425.2	18.9	350.0	322.3	27.63	12.667		
5,250.0	5,201.6	5,240.6	5,209.8	15.8	14.0	101.03	432.4	18.7	348.3	320.3	27.97	12.451		
5,300.0	5,251.6	5,290.0	5,258.8	15.9	14.2	99.86	439.6	18.5	346.8	318.4	28.32	12.246		
5,350.0	5,301.6	5,339.5	5,307.7	16.0	14.3	98.69	446.9	18.3	345.4	316.7	28.66	12.051		
5,400.0	5,351.6	5,389.0	5,356.6	16.1	14.5	97.50	454.1	18.1	344.1	315.1	29.00	11.867		
5,450.0	5,401.6	5,438.4	5,405.5	16.1	14.7	96.31	461.3	17.9	343.0	313.7	29.34	11.693		
5,500.0	5,451.6	5,487.9	5,454.5	16.2	14.8	95.11	468.5	17.7	342.1	312.4	29.67	11.529		
5,550.0	5,501.6	5,537.4	5,503.4	16.3	15.0	93.91	475.8	17.5	341.3	311.3	30.01	11.375		
5,600.0	5,551.6	5,586.8	5,552.3	16.4	15.2	92.70	483.0	17.3	340.7	310.4	30.34	11.230		
5,650.0	5,601.6	5,636.2	5,601.2	16.5	15.3	91.50	490.1	17.1	340.2	309.6	30.66	11.098		
5,700.0	5,651.6	5,685.5	5,650.1	16.5	15.5	90.41	496.6	16.9	340.0	309.0	30.95	10.984		
5,750.0	5,701.6	5,735.0	5,699.3	16.6	15.6	89.46	502.2	16.8	339.8	308.6	31.21	10.886		
5,800.0	5,751.6	5,784.7	5,748.7	16.7	15.7	88.66	507.0	16.7	339.8	308.3	31.46	10.800		
5,814.3	5,765.9	5,798.9	5,762.9	16.7	15.7	88.45	508.2	16.6	339.8	308.2	31.53	10.777		
5,850.0	5,801.6	5,834.6	5,798.4	16.8	15.8	87.99	510.9	16.6	339.8	308.1	31.68	10.723		
5,900.0	5,851.6	5,884.5	5,848.3	16.9	15.9	87.47	514.0	16.5	339.8	307.9	31.90	10.653		
5,950.0	5,901.6	5,934.6	5,898.3	17.0	16.0	87.10	516.2	16.4	339.8	307.8	32.09	10.589		
6,000.0	5,951.6	5,984.7	5,948.5	17.0	16.1	86.87	517.5	16.4	339.9	307.6	32.28	10.530		
6,050.0	6,001.6	6,034.9	5,998.6	17.1	16.2	86.79	518.0	16.4	339.9	307.4	32.45	10.476		
6,100.0	6,051.6	6,084.9	6,048.6	17.2	16.2	86.79	518.0	16.4	339.9	307.3	32.61	10.422		
6,150.0	6,101.6	6,134.9	6,098.6	17.3	16.3	86.79	518.0	16.4	339.9	307.1	32.79	10.366		
6,200.0	6,151.6	6,184.9	6,148.6	17.4	16.4	86.79	518.0	16.4	339.9	306.9	32.97	10.310		
6,250.0	6,201.6	6,234.9	6,198.6	17.5	16.5	86.79	518.0	16.4	339.9	306.7	33.15	10.254		
6,300.0	6,251.6	6,284.9	6,248.6	17.5	16.6	86.79	518.0	16.4	339.9	306.6	33.33	10.199		
6,350.0	6,301.6	6,334.9	6,298.6	17.6	16.7	86.79	518.0	16.4	339.9	306.4	33.51	10.144		
6,400.0	6,351.6	6,384.9	6,348.6	17.7	16.8	86.79	518.0	16.4	339.9	306.2	33.69	10.090		
6,450.0	6,401.6	6,434.9	6,398.6	17.8	16.9	86.79	518.0	16.4	339.9	306.0	33.87	10.036		
6,500.0	6,451.6	6,484.9	6,448.6	17.9	17.0	86.79	518.0	16.4	339.9	305.8	34.05	9.983		
6,550.0	6,501.6	6,534.9	6,498.6	18.0	17.0	86.79	518.0	16.4	339.9	305.7	34.23	9.930		
6,600.0	6,551.6	6,584.9	6,548.6	18.1	17.1	86.79	518.0	16.4	339.9	305.5	34.41	9.877		
6,650.0	6,601.6	6,634.9	6,598.6	18.2	17.2	86.79	518.0	16.4	339.9	305.3	34.60	9.825		
6,700.0	6,651.6	6,684.9	6,648.6	18.2	17.3	86.79	518.0	16.4	339.9	305.1	34.78	9.773		
6,750.0	6,701.6	6,734.9	6,698.6	18.3	17.4	86.79	518.0	16.4	339.9	304.9	34.96	9.722		
6,800.0	6,751.6	6,784.9	6,748.6	18.4	17.5	86.79	518.0	16.4	339.9	304.7	35.15	9.671		
6,850.0	6,801.6	6,834.9	6,798.6	18.5	17.6	86.79	518.0	16.4	339.9	304.6	35.33	9.620		
6,900.0	6,851.6	6,884.9	6,848.6	18.6	17.7	86.79	518.0	16.4	339.9	304.4	35.52	9.570		
6,950.0	6,901.6	6,934.9	6,898.6	18.7	17.8	86.79	518.0	16.4	339.9	304.2	35.70	9.520		
7,000.0	6,951.6	6,984.9	6,948.6	18.8	17.9	86.79	518.0	16.4	339.9	304.0	35.89	9.471		
7,050.0	7,001.6	7,034.9	6,998.6	18.9	18.0	86.79	518.0	16.4	339.9	303.8	36.08	9.422		
7,100.0	7,051.6	7,084.9	7,048.6	19.0	18.1	86.79	518.0	16.4	339.9	303.6	36.26	9.373		
7,150.0	7,101.6	7,134.9	7,098.6	19.0	18.2	86.79	518.0	16.4	339.9	303.4	36.45	9.325		
7,200.0	7,151.6	7,184.9	7,148.6	19.1	18.3	86.79	518.0	16.4	339.9	303.3	36.64	9.277		
7,250.0	7,201.6	7,234.9	7,198.6	19.2	18.4	86.79	518.0	16.4	339.9	303.1	36.83	9.229		
7,300.0	7,251.6	7,284.9	7,248.6	19.3	18.4	86.79	518.0	16.4	339.9	302.9	37.02	9.182		
7,350.0	7,301.6	7,334.9	7,298.6	19.4	18.5	86.79	518.0	16.4	339.9	302.7	37.21	9.136		
7,400.0	7,351.6	7,384.9	7,348.6	19.5	18.6	86.79	518.0	16.4	339.9	302.5	37.39	9.089		
7,450.0	7,401.6	7,434.9	7,398.6	19.6	18.7	86.79	518.0	16.4	339.9	302.3	37.58	9.043		
7,500.0	7,451.6	7,484.9	7,448.6	19.7	18.8	86.79	518.0	16.4	339.9	302.1	37.77	8.998		
7,550.0	7,501.6	7,534.9	7,498.6	19.8	18.9	86.79	518.0	16.4	339.9	301.9	37.97	8.953		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,600.0	7,551.6	7,584.9	7,548.6	19.9	19.0	86.79	518.0	16.4	339.9	301.7	38.16	8.908		
7,650.0	7,601.6	7,634.9	7,598.6	20.0	19.1	86.79	518.0	16.4	339.9	301.5	38.35	8.863		
7,700.0	7,651.6	7,684.9	7,648.6	20.1	19.2	86.79	518.0	16.4	339.9	301.4	38.54	8.819		
7,750.0	7,701.6	7,736.2	7,699.9	20.1	19.3	86.96	517.0	16.3	339.8	301.1	38.70	8.780		
7,800.0	7,751.6	7,787.5	7,751.0	20.2	19.3	87.73	512.4	16.3	339.6	300.7	38.81	8.749		
7,850.0	7,801.6	7,837.9	7,800.7	20.3	19.4	89.09	504.4	16.2	339.2	300.3	38.87	8.728		
7,897.5	7,849.1	7,884.5	7,846.1	20.4	19.3	90.86	493.9	16.0	339.0	300.2	38.87	8.722		
7,900.0	7,851.6	7,886.9	7,848.5	20.4	19.3	90.97	493.3	16.0	339.0	300.2	38.87	8.722		
7,950.0	7,901.6	7,934.6	7,894.1	20.5	19.3	-87.74	479.3	15.8	339.3	300.6	38.77	8.753		
8,000.0	7,951.4	7,981.5	7,937.9	20.5	19.3	-85.59	462.7	15.5	340.1	301.5	38.65	8.801		
8,050.0	8,000.7	8,027.6	7,979.8	20.6	19.2	-83.49	443.5	15.2	341.4	302.9	38.49	8.871		
8,100.0	8,049.3	8,073.1	8,019.9	20.6	19.2	-81.44	422.1	14.9	343.1	304.9	38.28	8.964		
8,150.0	8,096.9	8,117.8	8,057.9	20.5	19.1	-79.46	398.5	14.6	345.3	307.2	38.04	9.076		
8,200.0	8,143.5	8,162.0	8,093.9	20.5	19.0	-77.55	373.0	14.2	347.7	310.0	37.76	9.208		
8,250.0	8,188.6	8,205.6	8,127.9	20.5	18.9	-75.72	345.6	13.8	350.5	313.0	37.45	9.358		
8,300.0	8,232.1	8,250.0	8,160.7	20.4	18.9	-73.94	315.7	13.3	353.4	316.3	37.10	9.526		
8,350.0	8,273.8	8,291.3	8,189.5	20.3	18.8	-72.35	286.1	12.9	356.6	319.8	36.75	9.704		
8,400.0	8,313.4	8,333.5	8,217.0	20.2	18.8	-70.81	254.2	12.4	359.8	323.5	36.36	9.895		
8,450.0	8,350.9	8,375.2	8,242.5	20.2	18.7	-69.37	221.1	11.9	363.1	327.2	35.97	10.096		
8,500.0	8,385.9	8,416.6	8,265.7	20.1	18.7	-68.03	186.8	11.4	366.5	330.9	35.57	10.301		
8,550.0	8,418.4	8,457.7	8,286.8	20.0	18.7	-66.80	151.6	10.8	369.7	334.5	35.19	10.507		
8,600.0	8,448.1	8,500.0	8,306.3	19.9	18.7	-65.65	114.1	10.3	372.9	338.1	34.82	10.709		
8,650.0	8,474.9	8,539.0	8,322.4	19.8	18.8	-64.66	78.5	9.7	375.9	341.4	34.51	10.893		
8,700.0	8,498.8	8,579.3	8,336.9	19.8	18.9	-63.75	41.0	9.2	378.7	344.5	34.24	11.060		
8,750.0	8,519.5	8,619.4	8,349.2	19.7	19.0	-62.94	2.8	8.6	381.3	347.3	34.04	11.201		
8,800.0	8,537.0	8,659.3	8,359.3	19.7	19.1	-62.24	-35.7	8.0	383.7	349.7	33.93	11.308		
8,850.0	8,551.2	8,700.0	8,367.4	19.6	19.2	-61.63	-75.6	7.4	385.7	351.8	33.91	11.375		
8,900.0	8,562.0	8,738.6	8,373.0	19.6	19.4	-61.15	-113.8	6.8	387.5	353.5	34.00	11.395		
8,950.0	8,569.4	8,778.1	8,376.6	19.8	19.6	-60.75	-153.2	6.2	388.9	354.7	34.21	11.368		
9,000.0	8,573.3	8,817.5	8,378.0	20.1	19.8	-60.46	-192.6	5.6	389.9	355.4	34.53	11.294		
9,050.0	8,574.0	8,865.4	8,377.9	20.4	20.1	-60.35	-240.4	4.9	390.3	355.3	35.01	11.150		
9,100.0	8,573.9	8,915.4	8,377.7	20.8	20.4	-60.34	-290.4	4.2	390.4	354.8	35.57	10.976		
9,150.0	8,573.8	8,965.4	8,377.6	21.2	20.8	-60.34	-340.4	3.4	390.4	354.1	36.28	10.761		
9,200.0	8,573.7	9,015.4	8,377.5	21.6	21.2	-60.33	-390.4	2.7	390.4	353.4	37.01	10.549		
9,250.0	8,573.6	9,065.4	8,377.3	22.1	21.7	-60.32	-440.4	2.0	390.4	352.6	37.85	10.316		
9,300.0	8,573.6	9,115.4	8,377.2	22.5	22.1	-60.31	-490.4	1.2	390.5	351.8	38.70	10.089		
9,350.0	8,573.5	9,165.4	8,377.0	23.1	22.7	-60.31	-540.4	0.5	390.5	350.9	39.65	9.848		
9,400.0	8,573.4	9,215.4	8,376.9	23.6	23.2	-60.30	-590.4	-0.3	390.5	349.9	40.62	9.615		
9,450.0	8,573.3	9,265.4	8,376.8	24.2	23.8	-60.29	-640.4	-1.0	390.6	348.9	41.66	9.374		
9,500.0	8,573.2	9,315.4	8,376.6	24.8	24.4	-60.28	-690.4	-1.8	390.6	347.9	42.72	9.143		
9,550.0	8,573.2	9,365.4	8,376.5	25.4	25.0	-60.28	-740.4	-2.5	390.6	346.8	43.85	8.909		
9,600.0	8,573.1	9,415.4	8,376.3	26.0	25.6	-60.27	-790.4	-3.3	390.7	345.7	44.99	8.684		
9,650.0	8,573.0	9,465.4	8,376.2	26.7	26.3	-60.26	-840.4	-4.0	390.7	344.5	46.18	8.460		
9,700.0	8,572.9	9,515.4	8,376.1	27.3	27.0	-60.25	-890.4	-4.7	390.7	343.3	47.39	8.245		
9,750.0	8,572.8	9,565.4	8,375.9	28.0	27.7	-60.25	-940.4	-5.5	390.7	342.1	48.65	8.033		
9,800.0	8,572.8	9,615.4	8,375.8	28.7	28.4	-60.24	-990.3	-6.2	390.8	340.9	49.91	7.830		
9,850.0	8,572.7	9,665.4	8,375.6	29.5	29.1	-60.23	-1,040.3	-7.0	390.8	339.6	51.22	7.630		
9,900.0	8,572.6	9,715.4	8,375.5	30.2	29.9	-60.22	-1,090.3	-7.7	390.8	338.3	52.53	7.440		
9,950.0	8,572.5	9,765.4	8,375.4	30.9	30.6	-60.22	-1,140.3	-8.5	390.9	337.0	53.89	7.254		
10,000.0	8,572.4	9,815.4	8,375.2	31.7	31.4	-60.21	-1,190.3	-9.2	390.9	335.7	55.24	7.076		
10,050.0	8,572.4	9,865.4	8,375.1	32.5	32.2	-60.20	-1,240.3	-9.9	390.9	334.3	56.63	6.903		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,100.0	8,572.3	9,915.4	8,374.9	33.2	33.0	-60.19	-1,290.3	-10.7	391.0	332.9	58.03	6.737		
10,150.0	8,572.2	9,965.4	8,374.8	34.0	33.8	-60.19	-1,340.3	-11.4	391.0	331.5	59.45	6.577		
10,200.0	8,572.1	10,015.4	8,374.7	34.8	34.6	-60.18	-1,390.3	-12.2	391.0	330.1	60.88	6.423		
10,250.0	8,572.0	10,065.4	8,374.5	35.6	35.4	-60.17	-1,440.3	-12.9	391.1	328.7	62.33	6.274		
10,300.0	8,572.0	10,115.4	8,374.4	36.4	36.2	-60.17	-1,490.3	-13.7	391.1	327.3	63.78	6.132		
10,350.0	8,571.9	10,165.4	8,374.2	37.2	37.0	-60.16	-1,540.3	-14.4	391.1	325.9	65.26	5.994		
10,400.0	8,571.8	10,215.4	8,374.1	38.1	37.9	-60.15	-1,590.3	-15.1	391.1	324.4	66.73	5.861		
10,450.0	8,571.7	10,265.4	8,374.0	38.9	38.7	-60.14	-1,640.3	-15.9	391.2	322.9	68.23	5.733		
10,500.0	8,571.6	10,315.4	8,373.8	39.7	39.5	-60.14	-1,690.3	-16.6	391.2	321.5	69.73	5.610		
10,550.0	8,571.5	10,365.4	8,373.7	40.6	40.4	-60.13	-1,740.3	-17.4	391.2	320.0	71.24	5.492		
10,600.0	8,571.5	10,415.4	8,373.5	41.4	41.2	-60.12	-1,790.3	-18.1	391.3	318.5	72.76	5.378		
10,650.0	8,571.4	10,465.4	8,373.4	42.3	42.1	-60.11	-1,840.3	-18.9	391.3	317.0	74.29	5.267		
10,700.0	8,571.3	10,515.4	8,373.3	43.1	43.0	-60.11	-1,890.2	-19.6	391.3	315.5	75.82	5.161		
10,750.0	8,571.2	10,565.4	8,373.1	44.0	43.8	-60.10	-1,940.2	-20.3	391.4	314.0	77.36	5.059		
10,800.0	8,571.1	10,615.4	8,373.0	44.8	44.7	-60.09	-1,990.2	-21.1	391.4	312.5	78.91	4.960		
10,850.0	8,571.1	10,665.4	8,372.8	45.7	45.6	-60.08	-2,040.2	-21.8	391.4	310.9	80.47	4.864		
10,900.0	8,571.0	10,715.4	8,372.7	46.6	46.5	-60.08	-2,090.2	-22.6	391.4	309.4	82.03	4.772		
10,950.0	8,570.9	10,765.4	8,372.6	47.5	47.3	-60.07	-2,140.2	-23.3	391.5	307.9	83.59	4.683		
11,000.0	8,570.8	10,815.4	8,372.4	48.3	48.2	-60.06	-2,190.2	-24.1	391.5	306.3	85.16	4.597		
11,050.0	8,570.7	10,865.4	8,372.3	49.2	49.1	-60.05	-2,240.2	-24.8	391.5	304.8	86.74	4.514		
11,100.0	8,570.7	10,915.4	8,372.1	50.1	50.0	-60.05	-2,290.2	-25.5	391.6	303.2	88.32	4.433		
11,150.0	8,570.6	10,965.4	8,372.0	51.0	50.9	-60.04	-2,340.2	-26.3	391.6	301.7	89.91	4.356		
11,200.0	8,570.5	11,015.4	8,371.9	51.9	51.8	-60.03	-2,390.2	-27.0	391.6	300.1	91.50	4.280		
11,250.0	8,570.4	11,065.4	8,371.7	52.8	52.7	-60.02	-2,440.2	-27.8	391.7	298.6	93.09	4.207		
11,300.0	8,570.3	11,115.4	8,371.6	53.7	53.6	-60.02	-2,490.2	-28.5	391.7	297.0	94.69	4.137		
11,350.0	8,570.3	11,165.4	8,371.4	54.6	54.5	-60.01	-2,540.2	-29.3	391.7	295.4	96.29	4.068		
11,400.0	8,570.2	11,215.4	8,371.3	55.5	55.4	-60.00	-2,590.2	-30.0	391.7	293.9	97.89	4.002		
11,450.0	8,570.1	11,265.4	8,371.2	56.4	56.3	-59.99	-2,640.2	-30.8	391.8	292.3	99.50	3.938		
11,500.0	8,570.0	11,315.4	8,371.0	57.3	57.2	-59.99	-2,690.2	-31.5	391.8	290.7	101.11	3.875		
11,550.0	8,569.9	11,365.4	8,370.9	58.2	58.1	-59.98	-2,740.1	-32.2	391.8	289.1	102.72	3.815		
11,600.0	8,569.9	11,415.4	8,370.7	59.1	59.1	-59.97	-2,790.1	-33.0	391.9	287.5	104.34	3.756		
11,650.0	8,569.8	11,465.4	8,370.6	60.0	60.0	-59.96	-2,840.1	-33.7	391.9	285.9	105.95	3.699		
11,700.0	8,569.7	11,515.4	8,370.5	60.9	60.9	-59.96	-2,890.1	-34.5	391.9	284.4	107.57	3.643		
11,750.0	8,569.6	11,565.4	8,370.3	61.8	61.8	-59.95	-2,940.1	-35.2	392.0	282.8	109.20	3.589		
11,800.0	8,569.5	11,615.4	8,370.2	62.7	62.7	-59.94	-2,990.1	-36.0	392.0	281.2	110.82	3.537		
11,850.0	8,569.4	11,665.4	8,370.0	63.7	63.6	-59.93	-3,040.1	-36.7	392.0	279.6	112.45	3.486		
11,900.0	8,569.4	11,715.4	8,369.9	64.6	64.6	-59.93	-3,090.1	-37.4	392.1	278.0	114.08	3.437		
11,950.0	8,569.3	11,765.4	8,369.8	65.5	65.5	-59.92	-3,140.1	-38.2	392.1	276.4	115.71	3.389		
12,000.0	8,569.2	11,815.4	8,369.6	66.4	66.4	-59.91	-3,190.1	-38.9	392.1	274.8	117.34	3.342		
12,050.0	8,569.1	11,865.4	8,369.5	67.3	67.3	-59.91	-3,240.1	-39.7	392.1	273.2	118.98	3.296		
12,100.0	8,569.0	11,915.4	8,369.4	68.3	68.3	-59.90	-3,290.1	-40.4	392.2	271.6	120.61	3.252		
12,150.0	8,569.0	11,965.4	8,369.2	69.2	69.2	-59.89	-3,340.1	-41.2	392.2	270.0	122.25	3.208		
12,200.0	8,568.9	12,015.4	8,369.1	70.1	70.1	-59.88	-3,390.1	-41.9	392.2	268.3	123.89	3.166		
12,250.0	8,568.8	12,065.4	8,368.9	71.0	71.0	-59.88	-3,440.1	-42.6	392.3	266.7	125.53	3.125		
12,300.0	8,568.7	12,115.4	8,368.8	72.0	72.0	-59.87	-3,490.1	-43.4	392.3	265.1	127.17	3.085		
12,350.0	8,568.6	12,165.4	8,368.7	72.9	72.9	-59.86	-3,540.1	-44.1	392.3	263.5	128.82	3.046		
12,400.0	8,568.6	12,215.4	8,368.5	73.8	73.8	-59.85	-3,590.0	-44.9	392.4	261.9	130.46	3.007		
12,450.0	8,568.5	12,265.4	8,368.4	74.7	74.8	-59.85	-3,640.0	-45.6	392.4	260.3	132.11	2.970		
12,500.0	8,568.4	12,315.4	8,368.2	75.7	75.7	-59.84	-3,690.0	-46.4	392.4	258.7	133.75	2.934		
12,550.0	8,568.3	12,365.4	8,368.1	76.6	76.6	-59.83	-3,740.0	-47.1	392.5	257.0	135.40	2.898		
12,600.0	8,568.2	12,415.4	8,368.0	77.5	77.6	-59.82	-3,790.0	-47.8	392.5	255.4	137.05	2.864		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,650.0	8,568.2	12,465.4	8,367.8	78.5	78.5	-59.82	-3,840.0	-48.6	392.5	253.8	138.70	2.830		
12,700.0	8,568.1	12,515.4	8,367.7	79.4	79.4	-59.81	-3,890.0	-49.3	392.5	252.2	140.35	2.797		
12,750.0	8,568.0	12,565.4	8,367.5	80.3	80.4	-59.80	-3,940.0	-50.1	392.6	250.6	142.00	2.765		
12,800.0	8,567.9	12,615.4	8,367.4	81.3	81.3	-59.79	-3,990.0	-50.8	392.6	248.9	143.66	2.733		
12,850.0	8,567.8	12,665.4	8,367.3	82.2	82.2	-59.79	-4,040.0	-51.6	392.6	247.3	145.31	2.702		
12,900.0	8,567.8	12,715.4	8,367.1	83.1	83.2	-59.78	-4,090.0	-52.3	392.7	245.7	146.97	2.672		
12,950.0	8,567.7	12,765.4	8,367.0	84.1	84.1	-59.77	-4,140.0	-53.0	392.7	244.1	148.62	2.642		
13,000.0	8,567.6	12,815.4	8,366.8	85.0	85.1	-59.76	-4,190.0	-53.8	392.7	242.5	150.28	2.613		
13,050.0	8,567.5	12,865.4	8,366.7	86.0	86.0	-59.76	-4,240.0	-54.5	392.8	240.8	151.93	2.585		
13,100.0	8,567.4	12,915.4	8,366.6	86.9	86.9	-59.75	-4,290.0	-55.3	392.8	239.2	153.59	2.557		
13,150.0	8,567.3	12,965.4	8,366.4	87.8	87.9	-59.74	-4,340.0	-56.0	392.8	237.6	155.25	2.530		
13,200.0	8,567.3	13,015.4	8,366.3	88.8	88.8	-59.73	-4,390.0	-56.8	392.9	235.9	156.91	2.504		
13,250.0	8,567.2	13,065.4	8,366.1	89.7	89.8	-59.73	-4,440.0	-57.5	392.9	234.3	158.57	2.478		
13,300.0	8,567.1	13,115.4	8,366.0	90.7	90.7	-59.72	-4,489.9	-58.3	392.9	232.7	160.23	2.452		
13,350.0	8,567.0	13,165.4	8,365.9	91.6	91.7	-59.71	-4,539.9	-59.0	392.9	231.1	161.89	2.427		
13,400.0	8,566.9	13,215.4	8,365.7	92.5	92.6	-59.71	-4,589.9	-59.7	393.0	229.4	163.55	2.403		
13,450.0	8,566.9	13,265.4	8,365.6	93.5	93.5	-59.70	-4,639.9	-60.5	393.0	227.8	165.21	2.379		
13,500.0	8,566.8	13,315.4	8,365.4	94.4	94.5	-59.69	-4,689.9	-61.2	393.0	226.2	166.87	2.355		
13,550.0	8,566.7	13,365.4	8,365.3	95.4	95.4	-59.68	-4,739.9	-62.0	393.1	224.5	168.54	2.332		
13,600.0	8,566.6	13,415.4	8,365.2	96.3	96.4	-59.68	-4,789.9	-62.7	393.1	222.9	170.20	2.310		
13,650.0	8,566.5	13,465.4	8,365.0	97.2	97.3	-59.67	-4,839.9	-63.5	393.1	221.3	171.86	2.287		
13,700.0	8,566.5	13,515.4	8,364.9	98.2	98.3	-59.66	-4,889.9	-64.2	393.2	219.6	173.53	2.266		
13,750.0	8,566.4	13,565.4	8,364.7	99.1	99.2	-59.65	-4,939.9	-64.9	393.2	218.0	175.19	2.244		
13,800.0	8,566.3	13,615.4	8,364.6	100.1	100.2	-59.65	-4,989.9	-65.7	393.2	216.4	176.86	2.223		
13,850.0	8,566.2	13,665.4	8,364.5	101.0	101.1	-59.64	-5,039.9	-66.4	393.2	214.7	178.52	2.203		
13,900.0	8,566.1	13,715.4	8,364.3	102.0	102.1	-59.63	-5,089.9	-67.2	393.3	213.1	180.19	2.183		
13,950.0	8,566.1	13,765.4	8,364.2	102.9	103.0	-59.62	-5,139.9	-67.9	393.3	211.5	181.85	2.163		
14,000.0	8,566.0	13,815.4	8,364.0	103.9	104.0	-59.62	-5,189.9	-68.7	393.3	209.8	183.52	2.143		
14,050.0	8,565.9	13,865.4	8,363.9	104.8	104.9	-59.61	-5,239.9	-69.4	393.4	208.2	185.18	2.124		
14,100.0	8,565.8	13,915.4	8,363.8	105.8	105.8	-59.60	-5,289.9	-70.1	393.4	206.6	186.85	2.105		
14,150.0	8,565.7	13,965.4	8,363.6	106.7	106.8	-59.59	-5,339.8	-70.9	393.4	204.9	188.52	2.087		
14,200.0	8,565.7	14,015.4	8,363.5	107.7	107.7	-59.59	-5,389.8	-71.6	393.5	203.3	190.18	2.069		
14,250.0	8,565.6	14,065.4	8,363.3	108.6	108.7	-59.58	-5,439.8	-72.4	393.5	201.6	191.85	2.051		
14,300.0	8,565.5	14,115.4	8,363.2	109.5	109.6	-59.57	-5,489.8	-73.1	393.5	200.0	193.52	2.034		
14,350.0	8,565.4	14,165.4	8,363.1	110.5	110.6	-59.57	-5,539.8	-73.9	393.6	198.4	195.19	2.016		
14,400.0	8,565.3	14,215.4	8,362.9	111.4	111.5	-59.56	-5,589.8	-74.6	393.6	196.7	196.85	1.999		
14,450.0	8,565.2	14,265.4	8,362.8	112.4	112.5	-59.55	-5,639.8	-75.3	393.6	195.1	198.52	1.983		
14,500.0	8,565.2	14,315.4	8,362.6	113.3	113.4	-59.54	-5,689.8	-76.1	393.6	193.5	200.19	1.966		
14,550.0	8,565.1	14,365.4	8,362.5	114.3	114.4	-59.54	-5,739.8	-76.8	393.7	191.8	201.86	1.950		
14,600.0	8,565.0	14,415.4	8,362.4	115.2	115.3	-59.53	-5,789.8	-77.6	393.7	190.2	203.53	1.934		
14,650.0	8,564.9	14,465.4	8,362.2	116.2	116.3	-59.52	-5,839.8	-78.3	393.7	188.5	205.20	1.919		
14,700.0	8,564.8	14,515.4	8,362.1	117.1	117.2	-59.51	-5,889.8	-79.1	393.8	186.9	206.86	1.904		
14,750.0	8,564.8	14,565.4	8,361.9	118.1	118.2	-59.51	-5,939.8	-79.8	393.8	185.3	208.53	1.888		
14,800.0	8,564.7	14,615.4	8,361.8	119.0	119.2	-59.50	-5,989.8	-80.5	393.8	183.6	210.20	1.874		
14,850.0	8,564.6	14,665.4	8,361.7	120.0	120.1	-59.49	-6,039.8	-81.3	393.9	182.0	211.87	1.859		
14,900.0	8,564.5	14,715.4	8,361.5	120.9	121.1	-59.48	-6,089.8	-82.0	393.9	180.4	213.54	1.845		
14,950.0	8,564.4	14,765.4	8,361.4	121.9	122.0	-59.48	-6,139.8	-82.8	393.9	178.7	215.21	1.830		
15,000.0	8,564.4	14,815.4	8,361.2	122.8	123.0	-59.47	-6,189.7	-83.5	394.0	177.1	216.88	1.816		
15,050.0	8,564.3	14,865.4	8,361.1	123.8	123.9	-59.46	-6,239.7	-84.3	394.0	175.4	218.55	1.803		
15,100.0	8,564.2	14,915.4	8,361.0	124.7	124.9	-59.46	-6,289.7	-85.0	394.0	173.8	220.22	1.789		
15,150.0	8,564.1	14,965.4	8,360.8	125.7	125.8	-59.45	-6,339.7	-85.8	394.1	172.2	221.89	1.776		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,200.0	8,564.0	15,015.4	8,360.7	126.6	126.8	-59.44	-59.44	-6,389.7	-86.5	394.1	170.5	223.56	1.763	
15,250.0	8,564.0	15,065.4	8,360.5	127.6	127.7	-59.43	-59.43	-6,439.7	-87.2	394.1	168.9	225.23	1.750	
15,300.0	8,563.9	15,115.4	8,360.4	128.6	128.7	-59.43	-59.43	-6,489.7	-88.0	394.1	167.2	226.90	1.737	
15,350.0	8,563.8	15,165.4	8,360.3	129.5	129.6	-59.42	-59.42	-6,539.7	-88.7	394.2	165.6	228.57	1.725	
15,400.0	8,563.7	15,215.4	8,360.1	130.5	130.6	-59.41	-59.41	-6,589.7	-89.5	394.2	164.0	230.24	1.712	
15,450.0	8,563.6	15,265.4	8,360.0	131.4	131.5	-59.40	-59.40	-6,639.7	-90.2	394.2	162.3	231.91	1.700	
15,500.0	8,563.6	15,315.4	8,359.8	132.4	132.5	-59.40	-59.40	-6,689.7	-91.0	394.3	160.7	233.58	1.688	
15,550.0	8,563.5	15,365.4	8,359.7	133.3	133.4	-59.39	-59.39	-6,739.7	-91.7	394.3	159.0	235.25	1.676	
15,600.0	8,563.4	15,415.4	8,359.6	134.3	134.4	-59.38	-59.38	-6,789.7	-92.4	394.3	157.4	236.92	1.664	
15,650.0	8,563.3	15,465.4	8,359.4	135.2	135.4	-59.37	-59.37	-6,839.7	-93.2	394.4	155.8	238.59	1.653	
15,700.0	8,563.2	15,515.4	8,359.3	136.2	136.3	-59.37	-59.37	-6,889.7	-93.9	394.4	154.1	240.26	1.642	
15,750.0	8,563.1	15,565.4	8,359.1	137.1	137.3	-59.36	-59.36	-6,939.7	-94.7	394.4	152.5	241.93	1.630	
15,800.0	8,563.1	15,615.4	8,359.0	138.1	138.2	-59.35	-59.35	-6,989.7	-95.4	394.5	150.9	243.60	1.619	
15,850.0	8,563.0	15,665.4	8,358.9	139.0	139.2	-59.35	-59.35	-7,039.7	-96.2	394.5	149.2	245.27	1.608	
15,900.0	8,562.9	15,715.4	8,358.7	140.0	140.1	-59.34	-59.34	-7,089.6	-96.9	394.5	147.6	246.94	1.598	
15,950.0	8,562.8	15,765.4	8,358.6	140.9	141.1	-59.33	-59.33	-7,139.6	-97.6	394.5	145.9	248.62	1.587	
16,000.0	8,562.7	15,815.4	8,358.4	141.9	142.0	-59.32	-59.32	-7,189.6	-98.4	394.6	144.3	250.29	1.577	
16,050.0	8,562.7	15,865.4	8,358.3	142.9	143.0	-59.32	-59.32	-7,239.6	-99.1	394.6	142.7	251.96	1.566	
16,100.0	8,562.6	15,915.4	8,358.2	143.8	143.9	-59.31	-59.31	-7,289.6	-99.9	394.6	141.0	253.63	1.556	
16,150.0	8,562.5	15,965.4	8,358.0	144.8	144.9	-59.30	-59.30	-7,339.6	-100.6	394.7	139.4	255.30	1.546	
16,200.0	8,562.4	16,015.4	8,357.9	145.7	145.9	-59.29	-59.29	-7,389.6	-101.4	394.7	137.7	256.97	1.536	
16,250.0	8,562.3	16,065.4	8,357.7	146.7	146.8	-59.29	-59.29	-7,439.6	-102.1	394.7	136.1	258.64	1.526	
16,300.0	8,562.3	16,115.4	8,357.6	147.6	147.8	-59.28	-59.28	-7,489.6	-102.8	394.8	134.5	260.31	1.517	
16,350.0	8,562.2	16,165.4	8,357.5	148.6	148.7	-59.27	-59.27	-7,539.6	-103.6	394.8	132.8	261.98	1.507	
16,400.0	8,562.1	16,215.4	8,357.3	149.5	149.7	-59.26	-59.26	-7,589.6	-104.3	394.8	131.2	263.65	1.498 Level 3	
16,450.0	8,562.0	16,265.4	8,357.2	150.5	150.6	-59.26	-59.26	-7,639.6	-105.1	394.9	129.5	265.32	1.488 Level 3	
16,500.0	8,561.9	16,315.4	8,357.0	151.5	151.6	-59.25	-59.25	-7,689.6	-105.8	394.9	127.9	266.99	1.479 Level 3	
16,550.0	8,561.9	16,365.4	8,356.9	152.4	152.6	-59.24	-59.24	-7,739.6	-106.6	394.9	126.3	268.66	1.470 Level 3	
16,600.0	8,561.8	16,415.4	8,356.8	153.4	153.5	-59.24	-59.24	-7,789.6	-107.3	395.0	124.6	270.33	1.461 Level 3	
16,650.0	8,561.7	16,465.4	8,356.6	154.3	154.5	-59.23	-59.23	-7,839.6	-108.0	395.0	123.0	272.00	1.452 Level 3	
16,700.0	8,561.6	16,515.4	8,356.5	155.3	155.4	-59.22	-59.22	-7,889.6	-108.8	395.0	121.3	273.67	1.443 Level 3	
16,750.0	8,561.5	16,565.4	8,356.3	156.2	156.4	-59.21	-59.21	-7,939.5	-109.5	395.0	119.7	275.34	1.435 Level 3	
16,800.0	8,561.5	16,615.4	8,356.2	157.2	157.3	-59.21	-59.21	-7,989.5	-110.3	395.1	118.1	277.01	1.426 Level 3	
16,850.0	8,561.4	16,665.4	8,356.1	158.1	158.3	-59.20	-59.20	-8,039.5	-111.0	395.1	116.4	278.68	1.418 Level 3	
16,900.0	8,561.3	16,715.4	8,355.9	159.1	159.3	-59.19	-59.19	-8,089.5	-111.8	395.1	114.8	280.35	1.409 Level 3	
16,950.0	8,561.2	16,765.4	8,355.8	160.1	160.2	-59.18	-59.18	-8,139.5	-112.5	395.2	113.2	282.02	1.401 Level 3	
17,000.0	8,561.1	16,815.4	8,355.6	161.0	161.2	-59.18	-59.18	-8,189.5	-113.3	395.2	111.5	283.69	1.393 Level 3	
17,050.0	8,561.0	16,865.4	8,355.5	162.0	162.1	-59.17	-59.17	-8,239.5	-114.0	395.2	109.9	285.36	1.385 Level 3	
17,100.0	8,561.0	16,915.4	8,355.4	162.9	163.1	-59.16	-59.16	-8,289.5	-114.7	395.3	108.2	287.03	1.377 Level 3	
17,150.0	8,560.9	16,965.4	8,355.2	163.9	164.0	-59.16	-59.16	-8,339.5	-115.5	395.3	106.6	288.70	1.369 Level 3	
17,200.0	8,560.8	17,015.4	8,355.1	164.8	165.0	-59.15	-59.15	-8,389.5	-116.2	395.3	105.0	290.36	1.361 Level 3	
17,250.0	8,560.7	17,065.4	8,354.9	165.8	166.0	-59.14	-59.14	-8,439.5	-117.0	395.4	103.3	292.03	1.354 Level 3	
17,300.0	8,560.6	17,115.4	8,354.8	166.8	166.9	-59.13	-59.13	-8,489.5	-117.7	395.4	101.7	293.70	1.346 Level 3	
17,350.0	8,560.6	17,165.4	8,354.7	167.7	167.9	-59.13	-59.13	-8,539.5	-118.5	395.4	100.0	295.37	1.339 Level 3	
17,400.0	8,560.5	17,215.4	8,354.5	168.7	168.8	-59.12	-59.12	-8,589.5	-119.2	395.4	98.4	297.04	1.331 Level 3	
17,450.0	8,560.4	17,265.4	8,354.4	169.6	169.8	-59.11	-59.11	-8,639.5	-119.9	395.5	96.8	298.71	1.324 Level 3	
17,500.0	8,560.3	17,315.4	8,354.2	170.6	170.7	-59.10	-59.10	-8,689.5	-120.7	395.5	95.1	300.38	1.317 Level 3	
17,550.0	8,560.2	17,365.4	8,354.1	171.5	171.7	-59.10	-59.10	-8,739.5	-121.4	395.5	93.5	302.05	1.310 Level 3	
17,600.0	8,560.2	17,415.4	8,354.0	172.5	172.7	-59.09	-59.09	-8,789.5	-122.2	395.6	91.9	303.71	1.302 Level 3	
17,650.0	8,560.1	17,465.4	8,353.8	173.5	173.6	-59.08	-59.08	-8,839.4	-122.9	395.6	90.2	305.38	1.295 Level 3	
17,700.0	8,560.0	17,515.4	8,353.7	174.4	174.6	-59.08	-59.08	-8,889.4	-123.7	395.6	88.6	307.05	1.289 Level 3	

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 202-2326H - Wellbore #1 - Pla											Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
17,750.0	8,559.9	17,565.4	8,353.5	175.4	175.5	-59.07	-8,939.4	-124.4	395.7	86.9	308.72	1.282	Level 3		
17,800.0	8,559.8	17,615.4	8,353.4	176.3	176.5	-59.06	-8,989.4	-125.1	395.7	85.3	310.39	1.275	Level 3		
17,850.0	8,559.8	17,665.4	8,353.3	177.3	177.4	-59.05	-9,039.4	-125.9	395.7	83.7	312.06	1.268	Level 3		
17,900.0	8,559.7	17,715.4	8,353.1	178.2	178.4	-59.05	-9,089.4	-126.6	395.8	82.0	313.72	1.262	Level 3		
17,950.0	8,559.6	17,765.4	8,353.0	179.2	179.4	-59.04	-9,139.4	-127.4	395.8	80.4	315.39	1.255	Level 3		
18,000.0	8,559.5	17,815.4	8,352.8	180.2	180.3	-59.03	-9,189.4	-128.1	395.8	78.8	317.06	1.248	Level 2		
18,050.0	8,559.4	17,865.4	8,352.7	181.1	181.3	-59.02	-9,239.4	-128.9	395.9	77.1	318.73	1.242	Level 2		
18,100.0	8,559.4	17,915.4	8,352.6	182.1	182.2	-59.02	-9,289.4	-129.6	395.9	75.5	320.39	1.236	Level 2		
18,150.0	8,559.3	17,965.4	8,352.4	183.0	183.2	-59.01	-9,339.4	-130.3	395.9	73.9	322.06	1.229	Level 2		
18,200.0	8,559.2	18,015.4	8,352.3	184.0	184.2	-59.00	-9,389.4	-131.1	396.0	72.2	323.73	1.223	Level 2		
18,250.0	8,559.1	18,065.4	8,352.1	184.9	185.1	-59.00	-9,439.4	-131.8	396.0	70.6	325.40	1.217	Level 2		
18,272.9	8,559.1	18,088.3	8,352.1	185.4	185.6	-58.99	-9,462.3	-132.2	396.0	69.8	326.16	1.214	Level 2		
18,300.0	8,559.0	18,113.7	8,352.0	185.9	186.0	-58.99	-9,487.6	-132.6	396.0	69.0	327.03	1.211	Level 2, SF		
18,317.3	8,559.0	18,113.7	8,352.0	186.2	186.0	-58.99	-9,487.6	-132.6	396.5	69.2	327.32	1.211	Level 2		

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 203-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	3.0	3.0	0.0	0.0	-96.84	-3.6	-30.4	30.6	30.6	0.00	8,577.136		
50.0	50.0	53.0	53.0	0.1	0.1	-96.84	-3.6	-30.4	30.6	30.5	0.12	263.980		
100.0	100.0	103.0	103.0	0.1	0.1	-96.84	-3.6	-30.4	30.6	30.4	0.23	132.097		
150.0	150.0	153.0	153.0	0.2	0.2	-96.84	-3.6	-30.4	30.6	30.1	0.46	67.025		
200.0	200.0	203.0	203.0	0.3	0.3	-96.84	-3.6	-30.4	30.6	29.9	0.68	44.904		
250.0	250.0	253.0	253.0	0.4	0.5	-96.84	-3.6	-30.4	30.6	29.7	0.91	33.762		
300.0	300.0	303.0	303.0	0.6	0.6	-96.84	-3.6	-30.4	30.6	29.5	1.13	27.050		
350.0	350.0	353.0	353.0	0.7	0.7	-96.84	-3.6	-30.4	30.6	29.2	1.36	22.564		
400.0	400.0	403.0	403.0	0.8	0.8	-96.84	-3.6	-30.4	30.6	29.0	1.58	19.354		
450.0	450.0	453.0	453.0	0.9	0.9	-96.84	-3.6	-30.4	30.6	28.8	1.80	16.944		
500.0	500.0	503.0	503.0	1.0	1.0	-96.84	-3.6	-30.4	30.6	28.6	2.03	15.068		
550.0	550.0	553.0	553.0	1.1	1.1	-96.84	-3.6	-30.4	30.6	28.3	2.25	13.565		
600.0	600.0	603.0	603.0	1.2	1.2	-96.84	-3.6	-30.4	30.6	28.1	2.48	12.335		
650.0	650.0	653.0	653.0	1.3	1.4	-96.84	-3.6	-30.4	30.6	27.9	2.70	11.310		
700.0	700.0	703.0	703.0	1.5	1.5	-96.84	-3.6	-30.4	30.6	27.7	2.93	10.442		
750.0	750.0	753.0	753.0	1.6	1.6	-96.84	-3.6	-30.4	30.6	27.4	3.15	9.698		
782.3	782.3	785.3	785.3	1.6	1.7	-96.84	-3.6	-30.4	30.6	27.3	3.30	9.271 CC		
800.0	800.0	803.0	803.0	1.7	1.7	-96.83	-3.6	-30.4	30.6	27.2	3.38	9.053 ES		
850.0	850.0	852.7	852.7	1.8	1.8	-96.36	-3.4	-30.7	30.8	27.2	3.60	8.569		
900.0	900.0	902.4	902.4	1.9	1.9	-95.10	-2.8	-31.5	31.6	27.8	3.82	8.266		
950.0	950.0	952.0	952.0	2.0	2.0	-93.14	-1.8	-32.8	32.8	28.8	4.04	8.123		
1,000.0	1,000.0	1,001.7	1,001.6	2.1	2.1	-90.67	-0.4	-34.6	34.6	30.4	4.26	8.123		
1,050.0	1,050.0	1,051.2	1,051.0	2.2	2.2	-55.33	1.4	-36.9	36.8	32.3	4.48	8.215		
1,100.0	1,100.0	1,100.7	1,100.4	2.4	2.4	-53.41	3.6	-39.8	39.2	34.5	4.70	8.341		
1,150.0	1,150.0	1,150.2	1,149.7	2.5	2.5	-51.95	6.1	-43.1	41.8	36.9	4.92	8.490		
1,200.0	1,199.9	1,200.0	1,199.3	2.6	2.6	-50.86	9.1	-47.0	44.5	39.4	5.14	8.658		
1,250.0	1,249.8	1,249.1	1,248.0	2.7	2.7	-50.12	12.4	-51.3	47.4	42.1	5.37	8.835		
1,300.0	1,299.7	1,298.4	1,297.0	2.8	2.8	-49.65	16.1	-56.1	50.5	44.9	5.59	9.024		
1,350.0	1,349.5	1,347.7	1,345.9	2.9	3.0	-49.41	20.2	-61.5	53.6	47.8	5.82	9.210		
1,400.0	1,399.3	1,397.0	1,394.6	3.0	3.1	-49.38	24.7	-67.3	56.9	50.9	6.05	9.406		
1,450.0	1,449.0	1,446.2	1,443.2	3.2	3.3	-49.50	29.5	-73.7	60.4	54.1	6.29	9.594		
1,500.0	1,498.6	1,496.1	1,492.3	3.3	3.4	-49.88	34.7	-80.4	63.7	57.2	6.53	9.751		
1,550.0	1,548.1	1,546.0	1,541.4	3.4	3.6	-50.66	39.8	-87.1	66.7	59.9	6.79	9.820		
1,600.0	1,597.5	1,595.9	1,590.6	3.6	3.8	-51.80	45.0	-93.8	69.2	62.2	7.04	9.823		
1,650.0	1,646.9	1,645.8	1,639.8	3.7	3.9	-53.27	50.1	-100.5	71.4	64.1	7.32	9.755		
1,700.0	1,696.1	1,695.7	1,689.0	3.9	4.1	-54.94	55.3	-107.3	73.4	65.8	7.60	9.654		
1,750.0	1,745.4	1,745.6	1,738.2	4.0	4.3	-56.52	60.4	-114.0	75.4	67.5	7.90	9.553		
1,800.0	1,794.7	1,795.5	1,787.4	4.2	4.4	-58.02	65.6	-120.7	77.5	69.3	8.20	9.460		
1,850.0	1,843.9	1,845.5	1,836.6	4.3	4.6	-59.44	70.8	-127.5	79.7	71.2	8.51	9.367		
1,900.0	1,893.2	1,895.4	1,885.8	4.5	4.8	-60.79	75.9	-134.2	81.9	73.1	8.82	9.283		
1,950.0	1,942.4	1,945.3	1,935.0	4.7	5.0	-62.06	81.1	-140.9	84.1	75.0	9.14	9.200		
2,000.0	1,991.7	1,995.2	1,984.2	4.8	5.1	-63.27	86.2	-147.6	86.4	76.9	9.47	9.123		
2,050.0	2,041.0	2,045.1	2,033.3	5.0	5.3	-64.41	91.4	-154.4	88.7	78.9	9.81	9.048		
2,100.0	2,090.2	2,095.0	2,082.5	5.2	5.5	-65.50	96.5	-161.1	91.1	80.9	10.14	8.979		
2,150.0	2,139.5	2,144.9	2,131.7	5.4	5.7	-66.53	101.7	-167.8	93.5	83.0	10.49	8.912		
2,200.0	2,188.8	2,194.9	2,180.9	5.5	5.9	-67.51	106.8	-174.6	95.9	85.0	10.83	8.850		
2,250.0	2,238.0	2,244.8	2,230.1	5.7	6.1	-68.44	112.0	-181.3	98.3	87.1	11.19	8.790		
2,300.0	2,287.3	2,294.7	2,279.3	5.9	6.3	-69.33	117.1	-188.0	100.8	89.2	11.54	8.734		
2,350.0	2,336.6	2,344.6	2,328.5	6.1	6.4	-70.17	122.3	-194.7	103.3	91.4	11.90	8.680		
2,400.0	2,385.8	2,394.5	2,377.7	6.3	6.6	-70.97	127.5	-201.5	105.8	93.5	12.26	8.630		
2,450.0	2,435.1	2,444.4	2,426.9	6.4	6.8	-71.74	132.6	-208.2	108.3	95.7	12.62	8.582		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
2,500.0	2,484.3	2,494.4	2,476.1	6.6	7.0	-72.47	137.8	-214.9	110.8	97.9	12.98	8.538	
2,550.0	2,533.6	2,544.3	2,525.3	6.8	7.2	-73.17	142.9	-221.6	113.4	100.1	13.35	8.495	
2,600.0	2,582.9	2,594.2	2,574.4	7.0	7.4	-73.84	148.1	-228.4	116.0	102.3	13.72	8.455	
2,650.0	2,632.1	2,644.1	2,623.6	7.2	7.6	-74.47	153.2	-235.1	118.6	104.5	14.09	8.416	
2,700.0	2,681.4	2,694.0	2,672.8	7.4	7.8	-75.08	158.4	-241.8	121.2	106.7	14.46	8.380	
2,750.0	2,730.7	2,743.9	2,722.0	7.5	7.9	-75.67	163.5	-248.6	123.8	109.0	14.83	8.346	
2,800.0	2,779.9	2,793.9	2,771.2	7.7	8.1	-76.23	168.7	-255.3	126.4	111.2	15.21	8.314	
2,850.0	2,829.2	2,843.8	2,820.4	7.9	8.3	-76.77	173.8	-262.0	129.1	113.5	15.59	8.283	
2,900.0	2,878.4	2,893.7	2,869.6	8.1	8.5	-77.28	179.0	-268.7	131.7	115.8	15.96	8.254	
2,950.0	2,927.7	2,943.6	2,918.8	8.3	8.7	-77.78	184.2	-275.5	134.4	118.1	16.34	8.226	
3,000.0	2,977.0	2,993.5	2,968.0	8.5	8.9	-78.26	189.3	-282.2	137.1	120.4	16.72	8.200	
3,050.0	3,026.2	3,043.4	3,017.2	8.7	9.1	-78.72	194.5	-288.9	139.8	122.7	17.10	8.175	
3,100.0	3,075.5	3,093.3	3,066.3	8.9	9.3	-79.16	199.6	-295.6	142.5	125.0	17.48	8.151	
3,150.0	3,124.8	3,143.3	3,115.5	9.0	9.5	-79.58	204.8	-302.4	145.2	127.3	17.86	8.129	
3,200.0	3,174.0	3,193.2	3,164.7	9.2	9.7	-79.99	209.9	-309.1	147.9	129.6	18.24	8.107	
3,250.0	3,223.3	3,243.1	3,213.9	9.4	9.9	-80.38	215.1	-315.8	150.6	132.0	18.62	8.087	
3,300.0	3,272.6	3,293.0	3,263.1	9.6	10.1	-80.76	220.2	-322.6	153.3	134.3	19.01	8.067	
3,350.0	3,321.8	3,342.9	3,312.3	9.8	10.2	-81.13	225.4	-329.3	156.0	136.7	19.39	8.048	
3,400.0	3,371.1	3,392.8	3,361.5	10.0	10.4	-81.49	230.5	-336.0	158.8	139.0	19.77	8.031	
3,450.0	3,420.3	3,442.8	3,410.7	10.2	10.6	-81.83	235.7	-342.7	161.5	141.4	20.16	8.014	
3,500.0	3,469.6	3,492.7	3,459.9	10.4	10.8	-82.16	240.9	-349.5	164.3	143.7	20.54	7.998	
3,550.0	3,518.9	3,542.6	3,509.1	10.6	11.0	-82.48	246.0	-356.2	167.0	146.1	20.93	7.982	
3,600.0	3,568.1	3,592.5	3,558.3	10.8	11.2	-82.79	251.2	-362.9	169.8	148.5	21.31	7.967	
3,650.0	3,617.4	3,642.4	3,607.4	10.9	11.4	-83.09	256.3	-369.7	172.5	150.9	21.70	7.953	
3,700.0	3,666.7	3,692.3	3,656.6	11.1	11.6	-83.38	261.5	-376.4	175.3	153.2	22.08	7.939	
3,750.0	3,715.9	3,742.2	3,705.8	11.3	11.8	-83.66	266.6	-383.1	178.1	155.6	22.47	7.926	
3,800.0	3,765.2	3,792.2	3,755.0	11.5	12.0	-83.93	271.8	-389.8	180.9	158.0	22.85	7.914	
3,850.0	3,814.4	3,842.1	3,804.2	11.7	12.2	-84.20	276.9	-396.6	183.6	160.4	23.24	7.902	
3,900.0	3,863.7	3,892.0	3,853.4	11.9	12.4	-84.45	282.1	-403.3	186.4	162.8	23.63	7.891	
3,950.0	3,913.0	3,941.9	3,902.6	12.1	12.6	-84.70	287.2	-410.0	189.2	165.2	24.01	7.879	
4,000.0	3,962.2	3,991.8	3,951.8	12.3	12.8	-84.94	292.4	-416.7	192.0	167.6	24.40	7.869	
4,050.0	4,011.5	4,041.7	4,001.0	12.5	13.0	-85.18	297.6	-423.5	194.8	170.0	24.79	7.859	
4,100.0	4,060.8	4,091.7	4,050.2	12.7	13.2	-85.41	302.7	-430.2	197.6	172.4	25.17	7.849	
4,150.0	4,110.0	4,141.6	4,099.4	12.9	13.3	-85.63	307.9	-436.9	200.4	174.8	25.56	7.839	
4,200.0	4,159.3	4,191.5	4,148.5	13.1	13.5	-85.84	313.0	-443.7	203.2	177.2	25.95	7.830	
4,250.0	4,208.6	4,241.4	4,197.7	13.3	13.7	-86.05	318.2	-450.4	206.0	179.7	26.34	7.822	
4,300.0	4,257.8	4,291.3	4,246.9	13.4	13.9	-86.26	323.3	-457.1	208.8	182.1	26.73	7.813	
4,350.0	4,307.1	4,341.2	4,296.1	13.6	14.1	-86.46	328.5	-463.8	211.6	184.5	27.11	7.805	
4,400.0	4,356.3	4,391.1	4,345.3	13.8	14.3	-86.65	333.6	-470.6	214.4	186.9	27.50	7.797	
4,450.0	4,405.6	4,441.1	4,394.5	14.0	14.5	-86.84	338.8	-477.3	217.3	189.4	27.89	7.790	
4,500.0	4,454.9	4,491.0	4,443.7	14.2	14.7	-87.02	343.9	-484.0	220.1	191.8	28.28	7.783	
4,550.0	4,504.1	4,540.9	4,492.9	14.4	14.9	-87.20	349.1	-490.7	222.9	194.2	28.67	7.776	
4,600.0	4,553.5	4,590.8	4,542.1	14.6	15.1	-87.34	354.3	-497.5	225.7	196.7	29.03	7.776	
4,650.0	4,602.9	4,640.7	4,591.3	14.7	15.3	-87.27	359.4	-504.2	228.6	199.3	29.34	7.791	
4,700.0	4,652.5	4,690.6	4,640.4	14.9	15.5	-86.98	364.6	-510.9	231.5	201.9	29.65	7.810	
4,750.0	4,702.2	4,740.5	4,689.6	15.0	15.7	-86.49	369.7	-517.6	234.5	204.6	29.92	7.839	
4,800.0	4,751.9	4,790.3	4,738.7	15.1	15.9	-85.81	374.9	-524.4	237.6	207.4	30.17	7.874	
4,850.0	4,801.8	4,840.0	4,787.7	15.2	16.1	-84.95	380.0	-531.1	240.8	210.4	30.40	7.921	
4,900.0	4,851.7	4,889.7	4,836.6	15.3	16.3	-83.91	385.1	-537.8	244.1	213.5	30.60	7.978	
4,950.0	4,901.6	4,939.3	4,885.5	15.4	16.5	-82.71	390.2	-544.4	247.7	216.9	30.77	8.050	
5,000.0	4,951.6	4,988.7	4,934.2	15.4	16.7	-81.35	395.4	-551.1	251.4	220.5	30.91	8.135	

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 203-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,050.0	5,001.6	5,038.1	4,982.8	15.5	16.8	-112.77	400.4	-557.8	255.5	224.4	31.10	8.217		
5,100.0	5,051.6	5,087.4	5,031.4	15.6	17.0	-111.17	405.5	-564.4	259.9	228.7	31.20	8.331		
5,150.0	5,101.6	5,136.6	5,080.0	15.7	17.2	-109.61	410.6	-571.0	264.5	233.2	31.29	8.452		
5,200.0	5,151.6	5,185.9	5,128.5	15.7	17.4	-108.11	415.7	-577.7	269.2	237.8	31.38	8.578		
5,250.0	5,201.6	5,235.2	5,177.1	15.8	17.6	-106.66	420.8	-584.3	274.2	242.7	31.47	8.711		
5,300.0	5,251.6	5,284.4	5,225.6	15.9	17.8	-105.26	425.9	-591.0	279.3	247.7	31.56	8.850		
5,350.0	5,301.6	5,333.7	5,274.2	16.0	18.0	-103.91	431.0	-597.6	284.5	252.9	31.64	8.993		
5,400.0	5,351.6	5,383.0	5,322.8	16.1	18.2	-102.61	436.1	-604.2	290.0	258.2	31.72	9.140		
5,450.0	5,401.6	5,432.3	5,371.3	16.1	18.4	-101.36	441.2	-610.9	295.5	263.7	31.81	9.291		
5,500.0	5,451.6	5,481.5	5,419.9	16.2	18.6	-100.16	446.2	-617.5	301.2	269.3	31.89	9.446		
5,550.0	5,501.6	5,530.8	5,468.4	16.3	18.8	-98.99	451.3	-624.2	307.1	275.1	31.98	9.603		
5,600.0	5,551.6	5,580.4	5,517.3	16.4	19.0	-97.87	456.4	-630.8	313.0	281.0	32.06	9.763		
5,650.0	5,601.6	5,634.0	5,570.2	16.5	19.1	-96.77	461.6	-637.6	318.7	286.6	32.13	9.921		
5,700.0	5,651.6	5,687.9	5,623.5	16.5	19.3	-95.83	466.3	-643.6	323.8	291.6	32.20	10.055		
5,750.0	5,701.6	5,742.0	5,677.3	16.6	19.4	-95.04	470.3	-648.9	328.3	296.0	32.29	10.167		
5,800.0	5,751.6	5,796.4	5,731.4	16.7	19.5	-94.38	473.7	-653.3	332.1	299.7	32.39	10.253		
5,850.0	5,801.6	5,851.0	5,785.8	16.8	19.6	-93.86	476.5	-657.0	335.3	302.8	32.51	10.314		
5,900.0	5,851.6	5,905.7	5,840.4	16.9	19.7	-93.46	478.7	-659.8	337.7	305.1	32.64	10.349		
5,950.0	5,901.6	5,960.6	5,895.2	17.0	19.8	-93.18	480.2	-661.8	339.5	306.7	32.77	10.359		
6,000.0	5,951.6	6,015.5	5,950.1	17.0	19.9	-93.01	481.1	-663.0	340.5	307.6	32.92	10.343		
6,050.0	6,001.6	6,070.0	6,004.6	17.1	20.0	-92.97	481.4	-663.4	340.8	307.7	33.09	10.301		
6,100.0	6,051.6	6,120.0	6,054.6	17.2	20.1	-92.97	481.4	-663.4	340.8	307.6	33.25	10.249		
6,150.0	6,101.6	6,170.0	6,104.6	17.3	20.1	-92.97	481.4	-663.4	340.8	307.4	33.43	10.197		
6,200.0	6,151.6	6,220.0	6,154.6	17.4	20.2	-92.97	481.4	-663.4	340.8	307.2	33.60	10.144		
6,250.0	6,201.6	6,270.0	6,204.6	17.5	20.3	-92.97	481.4	-663.4	340.8	307.1	33.77	10.092		
6,300.0	6,251.6	6,320.0	6,254.6	17.5	20.3	-92.97	481.4	-663.4	340.8	306.9	33.94	10.041		
6,350.0	6,301.6	6,370.0	6,304.6	17.6	20.4	-92.97	481.4	-663.4	340.8	306.7	34.12	9.990		
6,400.0	6,351.6	6,420.0	6,354.6	17.7	20.5	-92.97	481.4	-663.4	340.8	306.5	34.29	9.939		
6,450.0	6,401.6	6,470.0	6,404.6	17.8	20.6	-92.97	481.4	-663.4	340.8	306.4	34.47	9.888		
6,500.0	6,451.6	6,520.0	6,454.6	17.9	20.6	-92.97	481.4	-663.4	340.8	306.2	34.64	9.838		
6,550.0	6,501.6	6,570.0	6,504.6	18.0	20.7	-92.97	481.4	-663.4	340.8	306.0	34.82	9.789		
6,600.0	6,551.6	6,620.0	6,554.6	18.1	20.8	-92.97	481.4	-663.4	340.8	305.8	34.99	9.739		
6,650.0	6,601.6	6,670.0	6,604.6	18.2	20.9	-92.97	481.4	-663.4	340.8	305.6	35.17	9.690		
6,700.0	6,651.6	6,720.0	6,654.6	18.2	20.9	-92.97	481.4	-663.4	340.8	305.5	35.35	9.641		
6,750.0	6,701.6	6,770.0	6,704.6	18.3	21.0	-92.97	481.4	-663.4	340.8	305.3	35.53	9.593		
6,800.0	6,751.6	6,820.0	6,754.6	18.4	21.1	-92.97	481.4	-663.4	340.8	305.1	35.71	9.545		
6,850.0	6,801.6	6,870.0	6,804.6	18.5	21.2	-92.97	481.4	-663.4	340.8	304.9	35.89	9.497		
6,900.0	6,851.6	6,920.0	6,854.6	18.6	21.3	-92.97	481.4	-663.4	340.8	304.8	36.07	9.450		
6,950.0	6,901.6	6,970.0	6,904.6	18.7	21.3	-92.97	481.4	-663.4	340.8	304.6	36.25	9.403		
7,000.0	6,951.6	7,020.0	6,954.6	18.8	21.4	-92.97	481.4	-663.4	340.8	304.4	36.43	9.356		
7,050.0	7,001.6	7,070.0	7,004.6	18.9	21.5	-92.97	481.4	-663.4	340.8	304.2	36.61	9.310		
7,100.0	7,051.6	7,120.0	7,054.6	19.0	21.6	-92.97	481.4	-663.4	340.8	304.0	36.79	9.264		
7,150.0	7,101.6	7,170.0	7,104.6	19.0	21.7	-92.97	481.4	-663.4	340.8	303.8	36.97	9.218		
7,200.0	7,151.6	7,220.0	7,154.6	19.1	21.7	-92.97	481.4	-663.4	340.8	303.7	37.16	9.173		
7,250.0	7,201.6	7,270.0	7,204.6	19.2	21.8	-92.97	481.4	-663.4	340.8	303.5	37.34	9.128		
7,300.0	7,251.6	7,320.0	7,254.6	19.3	21.9	-92.97	481.4	-663.4	340.8	303.3	37.52	9.083		
7,350.0	7,301.6	7,370.0	7,304.6	19.4	22.0	-92.97	481.4	-663.4	340.8	303.1	37.71	9.038		
7,400.0	7,351.6	7,420.0	7,354.6	19.5	22.1	-92.97	481.4	-663.4	340.8	302.9	37.89	8.994		
7,450.0	7,401.6	7,470.0	7,404.6	19.6	22.1	-92.97	481.4	-663.4	340.8	302.7	38.08	8.951		
7,500.0	7,451.6	7,520.0	7,454.6	19.7	22.2	-92.97	481.4	-663.4	340.8	302.6	38.26	8.907		
7,550.0	7,501.6	7,570.0	7,504.6	19.8	22.3	-92.97	481.4	-663.4	340.8	302.4	38.45	8.864		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 203-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,600.0	7,551.6	7,620.0	7,554.6	19.9	22.4	-92.97	481.4	-663.4	340.8	302.2	38.63	8.822		
7,650.0	7,601.6	7,670.0	7,604.6	20.0	22.5	-92.97	481.4	-663.4	340.8	302.0	38.82	8.779		
7,700.0	7,651.6	7,720.0	7,654.6	20.1	22.5	-92.97	481.4	-663.4	340.8	301.8	39.01	8.737		
7,707.5	7,659.1	7,727.5	7,662.1	20.1	22.6	-92.97	481.4	-663.4	340.8	301.8	39.04	8.731		
7,750.0	7,701.6	7,769.1	7,703.7	20.1	22.6	-93.07	480.7	-663.4	340.9	301.7	39.19	8.697		
7,800.0	7,751.6	7,817.3	7,751.7	20.2	22.6	-93.68	477.1	-663.4	341.1	301.7	39.41	8.656		
7,850.0	7,801.6	7,864.8	7,798.7	20.3	22.7	-94.80	470.4	-663.5	341.8	302.1	39.67	8.615		
7,900.0	7,851.6	7,911.2	7,844.1	20.4	22.7	-96.39	460.8	-663.7	342.9	303.0	39.96	8.582		
7,950.0	7,901.6	7,956.5	7,887.8	20.5	22.7	80.79	448.7	-663.8	344.7	304.6	40.16	8.584		
8,000.0	7,951.4	8,000.0	7,928.9	20.5	22.7	78.94	434.4	-664.0	346.8	306.5	40.38	8.589		
8,050.0	8,000.7	8,045.3	7,970.6	20.6	22.6	77.08	417.0	-664.3	349.3	308.7	40.53	8.617		
8,100.0	8,049.3	8,088.9	8,009.7	20.6	22.6	75.34	397.7	-664.5	351.9	311.3	40.59	8.670		
8,150.0	8,096.9	8,132.0	8,047.2	20.5	22.5	73.70	376.3	-664.9	354.8	314.2	40.56	8.746		
8,200.0	8,143.5	8,174.6	8,082.9	20.5	22.5	72.14	353.0	-665.2	357.8	317.3	40.44	8.846		
8,250.0	8,188.6	8,216.9	8,116.8	20.5	22.4	70.69	327.9	-665.5	360.8	320.6	40.24	8.968		
8,300.0	8,232.1	8,258.7	8,148.9	20.4	22.3	69.33	301.1	-665.9	363.9	324.0	39.95	9.110		
8,350.0	8,273.8	8,300.0	8,179.0	20.3	22.3	68.08	272.8	-666.3	367.0	327.4	39.59	9.270		
8,400.0	8,313.4	8,341.4	8,207.5	20.2	22.2	66.92	242.8	-666.7	370.0	330.8	39.16	9.447		
8,450.0	8,350.9	8,382.3	8,233.9	20.2	22.1	65.87	211.5	-667.2	372.9	334.2	38.70	9.635		
8,500.0	8,385.9	8,423.0	8,258.3	20.1	22.1	64.92	179.0	-667.6	375.6	337.4	38.21	9.829		
8,550.0	8,418.4	8,463.4	8,280.8	20.0	22.0	64.08	145.4	-668.1	378.1	340.4	37.72	10.024		
8,600.0	8,448.1	8,500.0	8,299.4	19.9	21.9	63.38	113.9	-668.6	380.4	343.2	37.26	10.211		
8,650.0	8,474.9	8,543.8	8,319.5	19.8	21.9	62.70	75.1	-669.1	382.4	345.6	36.83	10.385		
8,700.0	8,498.8	8,583.7	8,335.8	19.8	21.8	62.16	38.6	-669.6	384.2	347.7	36.48	10.533		
8,750.0	8,519.5	8,623.5	8,349.9	19.7	21.8	61.72	1.4	-670.2	385.6	349.4	36.22	10.646		
8,800.0	8,537.0	8,663.3	8,362.0	19.7	21.8	61.38	-36.4	-670.7	386.8	350.7	36.09	10.717		
8,850.0	8,551.2	8,700.0	8,371.3	19.6	21.8	61.15	-72.0	-671.2	387.6	351.5	36.09	10.740		
8,900.0	8,562.0	8,742.5	8,379.7	19.6	21.8	61.00	-113.7	-671.8	388.0	351.8	36.25	10.702		
8,950.0	8,569.4	8,782.1	8,385.3	19.8	21.8	60.96	-152.9	-672.4	388.1	351.5	36.57	10.613		
9,000.0	8,573.3	8,821.7	8,388.7	20.1	21.9	61.02	-192.3	-672.9	387.8	350.8	37.04	10.470		
9,050.0	8,574.0	8,861.3	8,390.0	20.4	22.0	61.14	-231.9	-673.5	387.3	349.7	37.62	10.295		
9,060.5	8,574.0	8,870.3	8,390.0	20.5	22.0	61.14	-240.9	-673.6	387.3	349.6	37.73	10.265		
9,100.0	8,573.9	8,909.9	8,389.9	20.8	22.1	61.13	-280.4	-674.2	387.4	349.2	38.19	10.142		
9,150.0	8,573.8	8,959.9	8,389.8	21.2	22.4	61.13	-330.4	-674.9	387.4	348.5	38.92	9.952		
9,200.0	8,573.7	9,009.9	8,389.6	21.6	22.7	61.12	-380.4	-675.7	387.4	347.7	39.67	9.766		
9,250.0	8,573.6	9,059.9	8,389.5	22.1	23.1	61.11	-430.4	-676.4	387.4	346.9	40.52	9.562		
9,300.0	8,573.6	9,109.9	8,389.4	22.5	23.5	61.11	-480.4	-677.2	387.5	346.1	41.38	9.363		
9,350.0	8,573.5	9,159.9	8,389.2	23.1	24.0	61.10	-530.4	-677.9	387.5	345.1	42.33	9.153		
9,400.0	8,573.4	9,209.9	8,389.1	23.6	24.5	61.10	-580.4	-678.7	387.5	344.2	43.30	8.950		
9,450.0	8,573.3	9,259.9	8,389.0	24.2	25.0	61.09	-630.3	-679.4	387.5	343.2	44.34	8.739		
9,500.0	8,573.2	9,309.9	8,388.9	24.8	25.6	61.08	-680.3	-680.2	387.6	342.2	45.40	8.537		
9,550.0	8,573.2	9,359.9	8,388.7	25.4	26.2	61.08	-730.3	-680.9	387.6	341.1	46.52	8.331		
9,600.0	8,573.1	9,409.9	8,388.6	26.0	26.8	61.07	-780.3	-681.6	387.6	339.9	47.65	8.134		
9,650.0	8,573.0	9,459.9	8,388.5	26.7	27.4	61.07	-830.3	-682.4	387.6	338.8	48.84	7.936		
9,700.0	8,572.9	9,509.9	8,388.3	27.3	28.1	61.06	-880.3	-683.1	387.6	337.6	50.04	7.746		
9,750.0	8,572.8	9,559.9	8,388.2	28.0	28.7	61.05	-930.3	-683.9	387.7	336.4	51.29	7.558		
9,800.0	8,572.8	9,609.9	8,388.1	28.7	29.4	61.05	-980.3	-684.6	387.7	335.1	52.55	7.378		
9,850.0	8,572.7	9,659.9	8,387.9	29.5	30.1	61.04	-1,030.3	-685.4	387.7	333.9	53.85	7.200		
9,900.0	8,572.6	9,709.9	8,387.8	30.2	30.8	61.03	-1,080.3	-686.1	387.7	332.6	55.16	7.030		
9,950.0	8,572.5	9,759.9	8,387.7	30.9	31.5	61.03	-1,130.3	-686.9	387.8	331.3	56.50	6.863		
10,000.0	8,572.4	9,809.9	8,387.6	31.7	32.3	61.02	-1,180.3	-687.6	387.8	329.9	57.85	6.703		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 203-2326H - Wellbore #1 - Pla											Offset Site Error:		0.0 ft
Survey Program:		0-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
10,050.0	8,572.4	9,859.9	8,387.4	32.5	33.0	61.02	-1,230.3	-688.4	387.8	328.6	59.24	6.547			
10,100.0	8,572.3	9,909.9	8,387.3	33.2	33.8	61.01	-1,280.3	-689.1	387.8	327.2	60.62	6.398			
10,150.0	8,572.2	9,959.9	8,387.2	34.0	34.6	61.00	-1,330.3	-689.8	387.9	325.8	62.04	6.252			
10,200.0	8,572.1	10,009.9	8,387.0	34.8	35.3	61.00	-1,380.3	-690.6	387.9	324.4	63.46	6.113			
10,250.0	8,572.0	10,059.9	8,386.9	35.6	36.1	60.99	-1,430.3	-691.3	387.9	323.0	64.90	5.977			
10,300.0	8,572.0	10,109.9	8,386.8	36.4	36.9	60.98	-1,480.2	-692.1	387.9	321.6	66.35	5.847			
10,350.0	8,571.9	10,159.9	8,386.7	37.2	37.7	60.98	-1,530.2	-692.8	388.0	320.2	67.82	5.721			
10,400.0	8,571.8	10,209.9	8,386.5	38.1	38.5	60.97	-1,580.2	-693.6	388.0	318.7	69.29	5.599			
10,450.0	8,571.7	10,259.9	8,386.4	38.9	39.3	60.97	-1,630.2	-694.3	388.0	317.2	70.78	5.482			
10,500.0	8,571.6	10,309.9	8,386.3	39.7	40.2	60.96	-1,680.2	-695.1	388.0	315.8	72.28	5.369			
10,550.0	8,571.5	10,359.9	8,386.1	40.6	41.0	60.95	-1,730.2	-695.8	388.1	314.3	73.79	5.259			
10,600.0	8,571.5	10,409.9	8,386.0	41.4	41.8	60.95	-1,780.2	-696.6	388.1	312.8	75.30	5.154			
10,650.0	8,571.4	10,459.9	8,385.9	42.3	42.7	60.94	-1,830.2	-697.3	388.1	311.3	76.83	5.052			
10,700.0	8,571.3	10,509.9	8,385.7	43.1	43.5	60.94	-1,880.2	-698.0	388.1	309.8	78.36	4.954			
10,750.0	8,571.2	10,559.9	8,385.6	44.0	44.4	60.93	-1,930.2	-698.8	388.2	308.3	79.90	4.858			
10,800.0	8,571.1	10,609.9	8,385.5	44.8	45.2	60.92	-1,980.2	-699.5	388.2	306.7	81.44	4.766			
10,850.0	8,571.1	10,659.9	8,385.4	45.7	46.1	60.92	-2,030.2	-700.3	388.2	305.2	83.00	4.677			
10,900.0	8,571.0	10,709.9	8,385.2	46.6	46.9	60.91	-2,080.2	-701.0	388.2	303.7	84.56	4.592			
10,950.0	8,570.9	10,759.9	8,385.1	47.5	47.8	60.90	-2,130.2	-701.8	388.3	302.1	86.12	4.508			
11,000.0	8,570.8	10,809.9	8,385.0	48.3	48.7	60.90	-2,180.2	-702.5	388.3	300.6	87.69	4.428			
11,050.0	8,570.7	10,859.9	8,384.8	49.2	49.6	60.89	-2,230.2	-703.3	388.3	299.0	89.27	4.350			
11,100.0	8,570.7	10,909.9	8,384.7	50.1	50.4	60.89	-2,280.2	-704.0	388.3	297.5	90.85	4.275			
11,150.0	8,570.6	10,959.9	8,384.6	51.0	51.3	60.88	-2,330.1	-704.8	388.4	295.9	92.44	4.201			
11,200.0	8,570.5	11,009.9	8,384.5	51.9	52.2	60.87	-2,380.1	-705.5	388.4	294.4	94.03	4.131			
11,250.0	8,570.4	11,059.9	8,384.3	52.8	53.1	60.87	-2,430.1	-706.2	388.4	292.8	95.62	4.062			
11,300.0	8,570.3	11,109.9	8,384.2	53.7	54.0	60.86	-2,480.1	-707.0	388.4	291.2	97.22	3.995			
11,350.0	8,570.3	11,159.9	8,384.1	54.6	54.9	60.86	-2,530.1	-707.7	388.5	289.6	98.82	3.931			
11,400.0	8,570.2	11,209.9	8,383.9	55.5	55.7	60.85	-2,580.1	-708.5	388.5	288.1	100.43	3.868			
11,450.0	8,570.1	11,259.9	8,383.8	56.4	56.6	60.84	-2,630.1	-709.2	388.5	286.5	102.04	3.808			
11,500.0	8,570.0	11,309.9	8,383.7	57.3	57.5	60.84	-2,680.1	-710.0	388.5	284.9	103.65	3.749			
11,550.0	8,569.9	11,359.9	8,383.5	58.2	58.4	60.83	-2,730.1	-710.7	388.6	283.3	105.27	3.691			
11,600.0	8,569.9	11,409.9	8,383.4	59.1	59.3	60.82	-2,780.1	-711.5	388.6	281.7	106.88	3.636			
11,650.0	8,569.8	11,459.9	8,383.3	60.0	60.2	60.82	-2,830.1	-712.2	388.6	280.1	108.51	3.581			
11,700.0	8,569.7	11,509.9	8,383.2	60.9	61.1	60.81	-2,880.1	-713.0	388.6	278.5	110.13	3.529			
11,750.0	8,569.6	11,559.9	8,383.0	61.8	62.1	60.81	-2,930.1	-713.7	388.7	276.9	111.76	3.478			
11,800.0	8,569.5	11,609.9	8,382.9	62.7	63.0	60.80	-2,980.1	-714.4	388.7	275.3	113.39	3.428			
11,850.0	8,569.4	11,659.9	8,382.8	63.7	63.9	60.79	-3,030.1	-715.2	388.7	273.7	115.02	3.380			
11,900.0	8,569.4	11,709.9	8,382.6	64.6	64.8	60.79	-3,080.1	-715.9	388.7	272.1	116.65	3.332			
11,950.0	8,569.3	11,759.9	8,382.5	65.5	65.7	60.78	-3,130.1	-716.7	388.8	270.5	118.29	3.287			
12,000.0	8,569.2	11,809.9	8,382.4	66.4	66.6	60.77	-3,180.1	-717.4	388.8	268.9	119.93	3.242			
12,050.0	8,569.1	11,859.9	8,382.3	67.3	67.5	60.77	-3,230.0	-718.2	388.8	267.2	121.57	3.198			
12,100.0	8,569.0	11,909.9	8,382.1	68.3	68.4	60.76	-3,280.0	-718.9	388.8	265.6	123.21	3.156			
12,150.0	8,569.0	11,959.9	8,382.0	69.2	69.4	60.76	-3,330.0	-719.7	388.9	264.0	124.85	3.115			
12,200.0	8,568.9	12,009.9	8,381.9	70.1	70.3	60.75	-3,380.0	-720.4	388.9	262.4	126.50	3.074			
12,250.0	8,568.8	12,059.9	8,381.7	71.0	71.2	60.74	-3,430.0	-721.2	388.9	260.8	128.15	3.035			
12,300.0	8,568.7	12,109.9	8,381.6	72.0	72.1	60.74	-3,480.0	-721.9	388.9	259.1	129.79	2.997			
12,350.0	8,568.6	12,159.9	8,381.5	72.9	73.0	60.73	-3,530.0	-722.7	389.0	257.5	131.44	2.959			
12,400.0	8,568.6	12,209.9	8,381.4	73.8	74.0	60.73	-3,580.0	-723.4	389.0	255.9	133.09	2.923			
12,450.0	8,568.5	12,259.9	8,381.2	74.7	74.9	60.72	-3,630.0	-724.1	389.0	254.3	134.75	2.887			
12,500.0	8,568.4	12,309.9	8,381.1	75.7	75.8	60.71	-3,680.0	-724.9	389.0	252.6	136.40	2.852			
12,550.0	8,568.3	12,359.9	8,381.0	76.6	76.7	60.71	-3,730.0	-725.6	389.1	251.0	138.06	2.818			

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 203-2326H - Wellbore #1 - Pla											Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
12,600.0	8,568.2	12,409.9	8,380.8	77.5	77.7	60.70	-3,780.0	-726.4	389.1	249.4	139.71	2.785		
12,650.0	8,568.2	12,459.8	8,380.7	78.5	78.6	60.70	-3,830.0	-727.1	389.1	247.7	141.37	2.752		
12,700.0	8,568.1	12,509.8	8,380.6	79.4	79.5	60.69	-3,880.0	-727.9	389.1	246.1	143.03	2.721		
12,750.0	8,568.0	12,559.8	8,380.4	80.3	80.5	60.68	-3,930.0	-728.6	389.2	244.5	144.69	2.690		
12,800.0	8,567.9	12,609.8	8,380.3	81.3	81.4	60.68	-3,980.0	-729.4	389.2	242.8	146.35	2.659		
12,850.0	8,567.8	12,659.8	8,380.2	82.2	82.3	60.67	-4,030.0	-730.1	389.2	241.2	148.01	2.630		
12,900.0	8,567.8	12,709.8	8,380.1	83.1	83.3	60.66	-4,079.9	-730.9	389.2	239.6	149.68	2.601		
12,950.0	8,567.7	12,759.8	8,379.9	84.1	84.2	60.66	-4,129.9	-731.6	389.3	237.9	151.34	2.572		
13,000.0	8,567.6	12,809.8	8,379.8	85.0	85.1	60.65	-4,179.9	-732.3	389.3	236.3	153.00	2.544		
13,050.0	8,567.5	12,859.8	8,379.7	86.0	86.1	60.65	-4,229.9	-733.1	389.3	234.6	154.67	2.517		
13,100.0	8,567.4	12,909.8	8,379.5	86.9	87.0	60.64	-4,279.9	-733.8	389.3	233.0	156.34	2.490		
13,150.0	8,567.3	12,959.8	8,379.4	87.8	87.9	60.63	-4,329.9	-734.6	389.4	231.4	158.00	2.464		
13,200.0	8,567.3	13,009.8	8,379.3	88.8	88.9	60.63	-4,379.9	-735.3	389.4	229.7	159.67	2.439		
13,250.0	8,567.2	13,059.8	8,379.2	89.7	89.8	60.62	-4,429.9	-736.1	389.4	228.1	161.34	2.414		
13,300.0	8,567.1	13,109.8	8,379.0	90.7	90.7	60.62	-4,479.9	-736.8	389.4	226.4	163.01	2.389		
13,350.0	8,567.0	13,159.8	8,378.9	91.6	91.7	60.61	-4,529.9	-737.6	389.5	224.8	164.68	2.365		
13,400.0	8,566.9	13,209.8	8,378.8	92.5	92.6	60.60	-4,579.9	-738.3	389.5	223.1	166.35	2.341		
13,450.0	8,566.9	13,259.8	8,378.6	93.5	93.5	60.60	-4,629.9	-739.1	389.5	221.5	168.02	2.318		
13,500.0	8,566.8	13,309.8	8,378.5	94.4	94.5	60.59	-4,679.9	-739.8	389.5	219.8	169.69	2.296		
13,550.0	8,566.7	13,359.8	8,378.4	95.4	95.4	60.58	-4,729.9	-740.5	389.6	218.2	171.37	2.273		
13,600.0	8,566.6	13,409.8	8,378.2	96.3	96.4	60.58	-4,779.9	-741.3	389.6	216.5	173.04	2.251		
13,650.0	8,566.5	13,459.8	8,378.1	97.2	97.3	60.57	-4,829.9	-742.0	389.6	214.9	174.71	2.230		
13,700.0	8,566.5	13,509.8	8,378.0	98.2	98.2	60.57	-4,879.9	-742.8	389.6	213.2	176.39	2.209		
13,750.0	8,566.4	13,559.8	8,377.9	99.1	99.2	60.56	-4,929.9	-743.5	389.7	211.6	178.06	2.188		
13,800.0	8,566.3	13,609.8	8,377.7	100.1	100.1	60.55	-4,979.8	-744.3	389.7	209.9	179.74	2.168		
13,850.0	8,566.2	13,659.8	8,377.6	101.0	101.1	60.55	-5,029.8	-745.0	389.7	208.3	181.41	2.148		
13,900.0	8,566.1	13,709.8	8,377.5	102.0	102.0	60.54	-5,079.8	-745.8	389.7	206.6	183.09	2.129		
13,950.0	8,566.1	13,759.8	8,377.3	102.9	103.0	60.54	-5,129.8	-746.5	389.8	205.0	184.76	2.109		
14,000.0	8,566.0	13,809.8	8,377.2	103.9	103.9	60.53	-5,179.8	-747.3	389.8	203.3	186.44	2.091		
14,050.0	8,565.9	13,859.8	8,377.1	104.8	104.8	60.52	-5,229.8	-748.0	389.8	201.7	188.12	2.072		
14,100.0	8,565.8	13,909.8	8,377.0	105.8	105.8	60.52	-5,279.8	-748.7	389.8	200.0	189.79	2.054		
14,150.0	8,565.7	13,959.8	8,376.8	106.7	106.7	60.51	-5,329.8	-749.5	389.9	198.4	191.47	2.036		
14,200.0	8,565.7	14,009.8	8,376.7	107.7	107.7	60.50	-5,379.8	-750.2	389.9	196.7	193.15	2.019		
14,250.0	8,565.6	14,059.8	8,376.6	108.6	108.6	60.50	-5,429.8	-751.0	389.9	195.1	194.83	2.001		
14,300.0	8,565.5	14,109.8	8,376.4	109.5	109.6	60.49	-5,479.8	-751.7	389.9	193.4	196.51	1.984		
14,350.0	8,565.4	14,159.8	8,376.3	110.5	110.5	60.49	-5,529.8	-752.5	390.0	191.8	198.19	1.968		
14,400.0	8,565.3	14,209.8	8,376.2	111.4	111.5	60.48	-5,579.8	-753.2	390.0	190.1	199.87	1.951		
14,450.0	8,565.2	14,259.8	8,376.0	112.4	112.4	60.47	-5,629.8	-754.0	390.0	188.5	201.55	1.935		
14,500.0	8,565.2	14,309.8	8,375.9	113.3	113.4	60.47	-5,679.8	-754.7	390.0	186.8	203.23	1.919		
14,550.0	8,565.1	14,359.8	8,375.8	114.3	114.3	60.46	-5,729.8	-755.5	390.1	185.2	204.91	1.904		
14,600.0	8,565.0	14,409.8	8,375.7	115.2	115.3	60.46	-5,779.8	-756.2	390.1	183.5	206.59	1.888		
14,650.0	8,564.9	14,459.8	8,375.5	116.2	116.2	60.45	-5,829.7	-756.9	390.1	181.8	208.27	1.873		
14,700.0	8,564.8	14,509.8	8,375.4	117.1	117.1	60.44	-5,879.7	-757.7	390.1	180.2	209.95	1.858		
14,750.0	8,564.8	14,559.8	8,375.3	118.1	118.1	60.44	-5,929.7	-758.4	390.2	178.5	211.63	1.844		
14,800.0	8,564.7	14,609.8	8,375.1	119.0	119.0	60.43	-5,979.7	-759.2	390.2	176.9	213.31	1.829		
14,850.0	8,564.6	14,659.8	8,375.0	120.0	120.0	60.43	-6,029.7	-759.9	390.2	175.2	214.99	1.815		
14,900.0	8,564.5	14,709.8	8,374.9	120.9	120.9	60.42	-6,079.7	-760.7	390.2	173.6	216.67	1.801		
14,950.0	8,564.4	14,759.8	8,374.8	121.9	121.9	60.41	-6,129.7	-761.4	390.3	171.9	218.36	1.787		
15,000.0	8,564.4	14,809.8	8,374.6	122.8	122.8	60.41	-6,179.7	-762.2	390.3	170.2	220.04	1.774		
15,050.0	8,564.3	14,859.8	8,374.5	123.8	123.8	60.40	-6,229.7	-762.9	390.3	168.6	221.72	1.760		
15,100.0	8,564.2	14,909.8	8,374.4	124.7	124.7	60.39	-6,279.7	-763.7	390.3	166.9	223.40	1.747		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 203-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,150.0	8,564.1	14,959.8	8,374.2	125.7	125.7	60.39	-6,329.7	-764.4	390.4	165.3	225.09	1.734		
15,200.0	8,564.0	15,009.8	8,374.1	126.6	126.6	60.38	-6,379.7	-765.1	390.4	163.6	226.77	1.722		
15,250.0	8,564.0	15,059.8	8,374.0	127.6	127.6	60.38	-6,429.7	-765.9	390.4	162.0	228.45	1.709		
15,300.0	8,563.9	15,109.8	8,373.8	128.6	128.5	60.37	-6,479.7	-766.6	390.4	160.3	230.13	1.697		
15,350.0	8,563.8	15,159.8	8,373.7	129.5	129.5	60.36	-6,529.7	-767.4	390.5	158.6	231.82	1.684		
15,400.0	8,563.7	15,209.8	8,373.6	130.5	130.4	60.36	-6,579.7	-768.1	390.5	157.0	233.50	1.672		
15,450.0	8,563.6	15,259.8	8,373.5	131.4	131.4	60.35	-6,629.7	-768.9	390.5	155.3	235.18	1.660		
15,500.0	8,563.6	15,309.8	8,373.3	132.4	132.3	60.35	-6,679.6	-769.6	390.5	153.7	236.87	1.649		
15,550.0	8,563.5	15,359.8	8,373.2	133.3	133.3	60.34	-6,729.6	-770.4	390.6	152.0	238.55	1.637		
15,600.0	8,563.4	15,409.8	8,373.1	134.3	134.2	60.33	-6,779.6	-771.1	390.6	150.4	240.24	1.626		
15,650.0	8,563.3	15,459.8	8,372.9	135.2	135.2	60.33	-6,829.6	-771.9	390.6	148.7	241.92	1.615		
15,700.0	8,563.2	15,509.8	8,372.8	136.2	136.2	60.32	-6,879.6	-772.6	390.6	147.0	243.60	1.604		
15,750.0	8,563.1	15,559.8	8,372.7	137.1	137.1	60.32	-6,929.6	-773.3	390.7	145.4	245.29	1.593		
15,800.0	8,563.1	15,609.8	8,372.6	138.1	138.1	60.31	-6,979.6	-774.1	390.7	143.7	246.97	1.582		
15,850.0	8,563.0	15,659.8	8,372.4	139.0	139.0	60.30	-7,029.6	-774.8	390.7	142.1	248.66	1.571		
15,900.0	8,562.9	15,709.8	8,372.3	140.0	140.0	60.30	-7,079.6	-775.6	390.7	140.4	250.34	1.561		
15,950.0	8,562.8	15,759.8	8,372.2	140.9	140.9	60.29	-7,129.6	-776.3	390.8	138.7	252.02	1.550		
16,000.0	8,562.7	15,809.8	8,372.0	141.9	141.9	60.29	-7,179.6	-777.1	390.8	137.1	253.71	1.540		
16,050.0	8,562.7	15,859.8	8,371.9	142.9	142.8	60.28	-7,229.6	-777.8	390.8	135.4	255.39	1.530		
16,100.0	8,562.6	15,909.8	8,371.8	143.8	143.8	60.27	-7,279.6	-778.6	390.8	133.8	257.08	1.520		
16,150.0	8,562.5	15,959.8	8,371.6	144.8	144.7	60.27	-7,329.6	-779.3	390.9	132.1	258.76	1.511		
16,200.0	8,562.4	16,009.8	8,371.5	145.7	145.7	60.26	-7,379.6	-780.1	390.9	130.4	260.45	1.501		
16,250.0	8,562.3	16,059.8	8,371.4	146.7	146.6	60.25	-7,429.6	-780.8	390.9	128.8	262.13	1.491 Level 3		
16,300.0	8,562.3	16,109.8	8,371.3	147.6	147.6	60.25	-7,479.6	-781.5	390.9	127.1	263.81	1.482 Level 3		
16,350.0	8,562.2	16,159.8	8,371.1	148.6	148.5	60.24	-7,529.6	-782.3	391.0	125.5	265.50	1.473 Level 3		
16,400.0	8,562.1	16,209.8	8,371.0	149.5	149.5	60.24	-7,579.5	-783.0	391.0	123.8	267.18	1.463 Level 3		
16,450.0	8,562.0	16,259.8	8,370.9	150.5	150.5	60.23	-7,629.5	-783.8	391.0	122.1	268.87	1.454 Level 3		
16,500.0	8,561.9	16,309.8	8,370.7	151.5	151.4	60.22	-7,679.5	-784.5	391.0	120.5	270.55	1.445 Level 3		
16,550.0	8,561.9	16,359.8	8,370.6	152.4	152.4	60.22	-7,729.5	-785.3	391.1	118.8	272.24	1.436 Level 3		
16,600.0	8,561.8	16,409.8	8,370.5	153.4	153.3	60.21	-7,779.5	-786.0	391.1	117.2	273.92	1.428 Level 3		
16,650.0	8,561.7	16,459.8	8,370.4	154.3	154.3	60.21	-7,829.5	-786.8	391.1	115.5	275.61	1.419 Level 3		
16,700.0	8,561.6	16,509.8	8,370.2	155.3	155.2	60.20	-7,879.5	-787.5	391.1	113.8	277.29	1.411 Level 3		
16,750.0	8,561.5	16,559.8	8,370.1	156.2	156.2	60.19	-7,929.5	-788.3	391.2	112.2	278.98	1.402 Level 3		
16,800.0	8,561.5	16,609.8	8,370.0	157.2	157.1	60.19	-7,979.5	-789.0	391.2	110.5	280.66	1.394 Level 3		
16,850.0	8,561.4	16,659.8	8,369.8	158.1	158.1	60.18	-8,029.5	-789.7	391.2	108.9	282.34	1.386 Level 3		
16,900.0	8,561.3	16,709.8	8,369.7	159.1	159.0	60.18	-8,079.5	-790.5	391.2	107.2	284.03	1.377 Level 3		
16,950.0	8,561.2	16,759.8	8,369.6	160.1	160.0	60.17	-8,129.5	-791.2	391.3	105.6	285.71	1.369 Level 3		
17,000.0	8,561.1	16,809.8	8,369.5	161.0	161.0	60.16	-8,179.5	-792.0	391.3	103.9	287.40	1.361 Level 3		
17,050.0	8,561.0	16,859.8	8,369.3	162.0	161.9	60.16	-8,229.5	-792.7	391.3	102.2	289.08	1.354 Level 3		
17,100.0	8,561.0	16,909.8	8,369.2	162.9	162.9	60.15	-8,279.5	-793.5	391.3	100.6	290.77	1.346 Level 3		
17,150.0	8,560.9	16,959.8	8,369.1	163.9	163.8	60.15	-8,329.5	-794.2	391.4	98.9	292.45	1.338 Level 3		
17,200.0	8,560.8	17,009.8	8,368.9	164.8	164.8	60.14	-8,379.5	-795.0	391.4	97.3	294.14	1.331 Level 3		
17,250.0	8,560.7	17,059.8	8,368.8	165.8	165.7	60.13	-8,429.4	-795.7	391.4	95.6	295.82	1.323 Level 3		
17,300.0	8,560.6	17,109.8	8,368.7	166.8	166.7	60.13	-8,479.4	-796.5	391.4	93.9	297.51	1.316 Level 3		
17,350.0	8,560.6	17,159.8	8,368.5	167.7	167.6	60.12	-8,529.4	-797.2	391.5	92.3	299.19	1.308 Level 3		
17,400.0	8,560.5	17,209.8	8,368.4	168.7	168.6	60.11	-8,579.4	-797.9	391.5	90.6	300.87	1.301 Level 3		
17,450.0	8,560.4	17,259.8	8,368.3	169.6	169.6	60.11	-8,629.4	-798.7	391.5	89.0	302.56	1.294 Level 3		
17,500.0	8,560.3	17,309.8	8,368.2	170.6	170.5	60.10	-8,679.4	-799.4	391.5	87.3	304.24	1.287 Level 3		
17,550.0	8,560.2	17,359.8	8,368.0	171.5	171.5	60.10	-8,729.4	-800.2	391.6	85.6	305.93	1.280 Level 3		
17,600.0	8,560.2	17,409.8	8,367.9	172.5	172.4	60.09	-8,779.4	-800.9	391.6	84.0	307.61	1.273 Level 3		
17,650.0	8,560.1	17,459.8	8,367.8	173.5	173.4	60.08	-8,829.4	-801.7	391.6	82.3	309.29	1.266 Level 3		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference														
Offset														
Semi Major Axis														
Distance														
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
17,700.0	8,560.0	17,509.8	8,367.6	174.4	174.3	60.08	-8,879.4	-802.4	391.6	80.7	310.98	1.259	Level 3	
17,750.0	8,559.9	17,559.8	8,367.5	175.4	175.3	60.07	-8,929.4	-803.2	391.7	79.0	312.66	1.253	Level 3	
17,800.0	8,559.8	17,609.8	8,367.4	176.3	176.3	60.07	-8,979.4	-803.9	391.7	77.4	314.35	1.246	Level 2	
17,850.0	8,559.8	17,659.8	8,367.3	177.3	177.2	60.06	-9,029.4	-804.7	391.7	75.7	316.03	1.240	Level 2	
17,900.0	8,559.7	17,709.8	8,367.1	178.2	178.2	60.05	-9,079.4	-805.4	391.7	74.0	317.71	1.233	Level 2	
17,950.0	8,559.6	17,759.8	8,367.0	179.2	179.1	60.05	-9,129.4	-806.1	391.8	72.4	319.40	1.227	Level 2	
18,000.0	8,559.5	17,809.8	8,366.9	180.2	180.1	60.04	-9,179.4	-806.9	391.8	70.7	321.08	1.220	Level 2	
18,050.0	8,559.4	17,859.8	8,366.7	181.1	181.0	60.04	-9,229.4	-807.6	391.8	69.1	322.77	1.214	Level 2	
18,100.0	8,559.4	17,909.8	8,366.6	182.1	182.0	60.03	-9,279.4	-808.4	391.8	67.4	324.45	1.208	Level 2	
18,150.0	8,559.3	17,959.8	8,366.5	183.0	183.0	60.02	-9,329.3	-809.1	391.9	65.7	326.13	1.202	Level 2	
18,200.0	8,559.2	18,009.8	8,366.3	184.0	183.9	60.02	-9,379.3	-809.9	391.9	64.1	327.82	1.195	Level 2	
18,250.0	8,559.1	18,059.8	8,366.2	184.9	184.9	60.01	-9,429.3	-810.6	391.9	62.4	329.50	1.189	Level 2	
18,300.0	8,559.0	18,109.8	8,366.1	185.9	185.8	60.01	-9,479.3	-811.4	392.0	60.8	331.18	1.183	Level 2	
18,317.3	8,559.0	18,127.1	8,366.0	186.2	186.2	60.00	-9,496.6	-811.6	392.0	60.2	331.76	1.181	Level 2, SF	

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 204-2326H - Wellbore #1 - Pla		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
0.0	0.0	5.0	5.0	0.0	0.0	-92.29	-3.6	-91.1	91.2	91.2	0.01	N/A					
50.0	50.0	55.0	55.0	0.1	0.1	-92.29	-3.6	-91.1	91.2	91.0	0.12	771.988					
100.0	100.0	105.0	105.0	0.1	0.1	-92.29	-3.6	-91.1	91.2	90.9	0.24	386.288					
150.0	150.0	155.0	155.0	0.2	0.2	-92.29	-3.6	-91.1	91.2	90.7	0.46	197.855					
200.0	200.0	205.0	205.0	0.3	0.3	-92.29	-3.6	-91.1	91.2	90.5	0.69	132.984					
250.0	250.0	255.0	255.0	0.4	0.5	-92.29	-3.6	-91.1	91.2	90.3	0.91	100.149					
300.0	300.0	305.0	305.0	0.6	0.6	-92.29	-3.6	-91.1	91.2	90.0	1.14	80.317					
350.0	350.0	355.0	355.0	0.7	0.7	-92.29	-3.6	-91.1	91.2	89.8	1.36	67.042					
381.5	381.5	386.5	386.5	0.7	0.8	-92.29	-3.6	-91.1	91.2	89.7	1.50	60.722 CC					
400.0	400.0	404.9	404.9	0.8	0.8	-92.29	-3.6	-91.1	91.2	89.6	1.58	57.557 ES					
450.0	450.0	453.8	453.8	0.9	0.9	-92.20	-3.5	-91.4	91.5	89.7	1.80	50.775					
500.0	500.0	502.7	502.7	1.0	1.0	-91.96	-3.2	-92.4	92.5	90.5	2.02	45.753					
550.0	550.0	551.6	551.5	1.1	1.1	-91.59	-2.6	-93.9	94.0	91.8	2.24	41.981					
600.0	600.0	600.0	599.9	1.2	1.2	-91.09	-1.8	-96.0	96.2	93.7	2.46	39.137					
650.0	650.0	649.1	649.0	1.3	1.3	-90.49	-0.8	-98.7	98.9	96.2	2.68	36.915					
700.0	700.0	697.8	697.5	1.5	1.4	-89.79	0.4	-102.0	102.3	99.4	2.90	35.254					
750.0	750.0	746.4	745.9	1.6	1.6	-89.04	1.8	-105.8	106.2	103.1	3.13	33.992					
800.0	800.0	794.8	794.1	1.7	1.7	-88.23	3.4	-110.2	110.8	107.5	3.35	33.092					
850.0	850.0	843.2	842.2	1.8	1.8	-87.40	5.2	-115.2	116.0	112.4	3.58	32.447					
900.0	900.0	891.4	890.0	1.9	2.0	-86.56	7.3	-120.7	121.9	118.1	3.80	32.046					
950.0	950.0	939.4	937.6	2.0	2.1	-85.72	9.5	-126.8	128.3	124.3	4.03	31.816					
1,000.0	1,000.0	987.3	985.0	2.1	2.2	-84.90	11.9	-133.4	135.4	131.1	4.26	31.757					
1,050.0	1,050.0	1,035.0	1,032.1	2.2	2.4	-51.19	14.5	-140.5	142.9	138.4	4.47	31.960					
1,100.0	1,100.0	1,082.6	1,079.0	2.4	2.6	-50.60	17.4	-148.2	150.6	145.9	4.70	32.068					
1,150.0	1,150.0	1,130.1	1,125.7	2.5	2.7	-50.19	20.4	-156.4	158.5	153.6	4.92	32.195					
1,200.0	1,199.9	1,177.5	1,172.1	2.6	2.9	-49.92	23.6	-165.1	166.6	161.5	5.15	32.342					
1,250.0	1,249.8	1,224.7	1,218.3	2.7	3.1	-49.79	27.0	-174.3	174.9	169.5	5.38	32.488					
1,300.0	1,299.7	1,271.8	1,264.3	2.8	3.3	-49.76	30.5	-184.1	183.4	177.8	5.62	32.645					
1,350.0	1,349.5	1,318.8	1,310.0	2.9	3.5	-49.83	34.3	-194.3	192.0	186.2	5.86	32.790					
1,400.0	1,399.3	1,365.7	1,355.5	3.0	3.7	-49.99	38.3	-205.1	200.8	194.7	6.10	32.939					
1,450.0	1,449.0	1,412.4	1,400.6	3.2	4.0	-50.21	42.4	-216.3	209.8	203.5	6.34	33.071					
1,500.0	1,498.6	1,459.9	1,446.3	3.3	4.2	-50.50	46.8	-228.2	218.9	212.3	6.60	33.178					
1,550.0	1,548.1	1,509.0	1,493.7	3.4	4.5	-50.90	51.4	-240.6	227.8	220.9	6.86	33.192					
1,600.0	1,597.5	1,558.2	1,541.0	3.6	4.7	-51.39	55.9	-253.1	236.3	229.2	7.13	33.133					
1,650.0	1,646.9	1,607.5	1,588.5	3.7	5.0	-51.97	60.5	-265.6	244.4	237.0	7.41	32.972					
1,700.0	1,696.1	1,656.8	1,635.9	3.9	5.3	-52.66	65.1	-278.1	252.3	244.6	7.70	32.757					
1,750.0	1,745.4	1,706.1	1,683.4	4.0	5.5	-53.32	69.7	-290.6	260.3	252.3	8.00	32.528					
1,800.0	1,794.7	1,755.3	1,730.8	4.2	5.8	-53.94	74.3	-303.1	268.2	259.9	8.30	32.307					
1,850.0	1,843.9	1,804.6	1,778.3	4.3	6.1	-54.52	78.9	-315.6	276.2	267.6	8.61	32.074					
1,900.0	1,893.2	1,853.9	1,825.7	4.5	6.3	-55.08	83.5	-328.1	284.2	275.3	8.92	31.853					
1,950.0	1,942.4	1,903.2	1,873.2	4.7	6.6	-55.60	88.1	-340.5	292.3	283.0	9.24	31.626					
2,000.0	1,991.7	1,952.5	1,920.6	4.8	6.9	-56.09	92.7	-353.0	300.4	290.8	9.56	31.406					
2,050.0	2,041.0	2,001.7	1,968.1	5.0	7.2	-56.56	97.3	-365.5	308.4	298.6	9.89	31.186					
2,100.0	2,090.2	2,051.0	2,015.5	5.2	7.4	-57.01	101.9	-378.0	316.6	306.3	10.22	30.974					
2,150.0	2,139.5	2,100.3	2,063.0	5.4	7.7	-57.43	106.5	-390.5	324.7	314.1	10.55	30.763					
2,200.0	2,188.8	2,149.6	2,110.4	5.5	8.0	-57.83	111.0	-403.0	332.8	321.9	10.89	30.560					
2,250.0	2,238.0	2,198.9	2,157.9	5.7	8.3	-58.22	115.6	-415.5	341.0	329.7	11.23	30.361					
2,300.0	2,287.3	2,248.1	2,205.3	5.9	8.6	-58.58	120.2	-428.0	349.2	337.6	11.57	30.169					
2,350.0	2,336.6	2,297.4	2,252.8	6.1	8.8	-58.93	124.8	-440.5	357.3	345.4	11.92	29.981					
2,400.0	2,385.8	2,346.7	2,300.2	6.3	9.1	-59.26	129.4	-453.0	365.5	353.3	12.27	29.800					
2,450.0	2,435.1	2,396.0	2,347.7	6.4	9.4	-59.58	134.0	-465.4	373.7	361.1	12.62	29.623					

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
2,500.0	2,484.3	2,445.3	2,395.1	6.6	9.7	-59.88	138.6	-477.9	382.0	369.0	12.97	29.453	
2,550.0	2,533.6	2,494.5	2,442.6	6.8	10.0	-60.18	143.2	-490.4	390.2	376.9	13.32	29.287	
2,600.0	2,582.9	2,543.8	2,490.0	7.0	10.2	-60.46	147.8	-502.9	398.4	384.8	13.68	29.128	
2,650.0	2,632.1	2,593.1	2,537.5	7.2	10.5	-60.72	152.4	-515.4	406.7	392.6	14.04	28.972	
2,700.0	2,681.4	2,642.4	2,584.9	7.4	10.8	-60.98	157.0	-527.9	414.9	400.5	14.40	28.823	
2,750.0	2,730.7	2,691.7	2,632.4	7.5	11.1	-61.23	161.6	-540.4	423.2	408.4	14.76	28.677	
2,800.0	2,779.9	2,740.9	2,679.8	7.7	11.4	-61.47	166.2	-552.9	431.5	416.4	15.12	28.538	
2,850.0	2,829.2	2,790.2	2,727.2	7.9	11.7	-61.70	170.7	-565.4	439.7	424.3	15.48	28.402	
2,900.0	2,878.4	2,839.5	2,774.7	8.1	11.9	-61.92	175.3	-577.9	448.0	432.2	15.85	28.270	
2,950.0	2,927.7	2,888.8	2,822.1	8.3	12.2	-62.13	179.9	-590.3	456.3	440.1	16.21	28.143	
3,000.0	2,977.0	2,938.0	2,869.6	8.5	12.5	-62.33	184.5	-602.8	464.6	448.0	16.58	28.020	
3,050.0	3,026.2	2,987.3	2,917.0	8.7	12.8	-62.53	189.1	-615.3	472.9	456.0	16.95	27.901	
3,100.0	3,075.5	3,036.6	2,964.5	8.9	13.1	-62.72	193.7	-627.8	481.2	463.9	17.32	27.786	
3,150.0	3,124.8	3,085.9	3,011.9	9.0	13.4	-62.91	198.3	-640.3	489.5	471.9	17.69	27.674	
3,200.0	3,174.0	3,135.2	3,059.4	9.2	13.6	-63.09	202.9	-652.8	497.9	479.8	18.06	27.566	
3,250.0	3,223.3	3,184.4	3,106.8	9.4	13.9	-63.26	207.5	-665.3	506.2	487.8	18.43	27.461	
3,300.0	3,272.6	3,233.7	3,154.3	9.6	14.2	-63.43	212.1	-677.8	514.5	495.7	18.81	27.359	
3,350.0	3,321.8	3,283.0	3,201.7	9.8	14.5	-63.59	216.7	-690.3	522.8	503.7	19.18	27.260	
3,400.0	3,371.1	3,332.3	3,249.2	10.0	14.8	-63.74	221.3	-702.7	531.2	511.6	19.55	27.165	
3,450.0	3,420.3	3,381.6	3,296.6	10.2	15.1	-63.90	225.9	-715.2	539.5	519.6	19.93	27.072	
3,500.0	3,469.6	3,430.8	3,344.1	10.4	15.3	-64.04	230.5	-727.7	547.9	527.6	20.30	26.982	
3,550.0	3,518.9	3,480.1	3,391.5	10.6	15.6	-64.19	235.0	-740.2	556.2	535.5	20.68	26.894	
3,600.0	3,568.1	3,529.4	3,439.0	10.8	15.9	-64.32	239.6	-752.7	564.6	543.5	21.06	26.809	
3,650.0	3,617.4	3,578.7	3,486.4	10.9	16.2	-64.46	244.2	-765.2	572.9	551.5	21.44	26.727	
3,700.0	3,666.7	3,628.0	3,533.9	11.1	16.5	-64.59	248.8	-777.7	581.3	559.5	21.81	26.647	
3,750.0	3,715.9	3,677.2	3,581.3	11.3	16.8	-64.72	253.4	-790.2	589.6	567.4	22.19	26.569	
3,800.0	3,765.2	3,726.5	3,628.8	11.5	17.1	-64.84	258.0	-802.7	598.0	575.4	22.57	26.493	
3,850.0	3,814.4	3,775.8	3,676.2	11.7	17.3	-64.96	262.6	-815.2	606.3	583.4	22.95	26.419	
3,900.0	3,863.7	3,825.1	3,723.7	11.9	17.6	-65.08	267.2	-827.6	614.7	591.4	23.33	26.348	
3,950.0	3,913.0	3,874.4	3,771.1	12.1	17.9	-65.19	271.8	-840.1	623.1	599.4	23.71	26.278	
4,000.0	3,962.2	3,923.6	3,818.6	12.3	18.2	-65.30	276.4	-852.6	631.5	607.4	24.09	26.210	
4,050.0	4,011.5	3,972.9	3,866.0	12.5	18.5	-65.41	281.0	-865.1	639.8	615.4	24.47	26.144	
4,100.0	4,060.8	4,022.2	3,913.5	12.7	18.8	-65.51	285.6	-877.6	648.2	623.3	24.85	26.080	
4,150.0	4,110.0	4,071.5	3,960.9	12.9	19.0	-65.62	290.2	-890.1	656.6	631.3	25.24	26.017	
4,200.0	4,159.3	4,120.8	4,008.4	13.1	19.3	-65.72	294.7	-902.6	665.0	639.3	25.62	25.956	
4,250.0	4,208.6	4,170.0	4,055.8	13.3	19.6	-65.81	299.3	-915.1	673.3	647.3	26.00	25.896	
4,300.0	4,257.8	4,219.3	4,103.3	13.4	19.9	-65.91	303.9	-927.6	681.7	655.3	26.38	25.838	
4,350.0	4,307.1	4,268.6	4,150.7	13.6	20.2	-66.00	308.5	-940.1	690.1	663.3	26.77	25.781	
4,400.0	4,356.3	4,317.9	4,198.2	13.8	20.5	-66.09	313.1	-952.5	698.5	671.3	27.15	25.726	
4,450.0	4,405.6	4,367.2	4,245.6	14.0	20.8	-66.18	317.7	-965.0	706.9	679.3	27.53	25.672	
4,500.0	4,454.9	4,416.4	4,293.1	14.2	21.0	-66.26	322.3	-977.5	715.3	687.3	27.92	25.620	
4,550.0	4,504.1	4,465.7	4,340.5	14.4	21.3	-66.35	326.9	-990.0	723.7	695.4	28.30	25.568	
4,600.0	4,553.5	4,515.0	4,388.0	14.6	21.6	-66.55	331.5	-1,002.5	732.2	703.5	28.68	25.531 SF	
4,650.0	4,602.9	4,564.2	4,435.3	14.7	21.9	-66.70	336.1	-1,015.0	741.0	712.0	29.01	25.543	
4,700.0	4,652.5	4,613.3	4,482.6	14.9	22.2	-66.81	340.6	-1,027.4	750.3	720.9	29.33	25.576	
4,750.0	4,702.2	4,662.4	4,529.9	15.0	22.5	-66.86	345.2	-1,039.9	759.8	730.2	29.63	25.644	
4,800.0	4,751.9	4,711.3	4,577.0	15.1	22.8	-66.86	349.8	-1,052.3	769.7	739.8	29.91	25.732	
4,850.0	4,801.8	4,760.2	4,624.0	15.2	23.0	-66.81	354.3	-1,064.6	779.9	749.8	30.17	25.853	
4,900.0	4,851.7	4,808.9	4,670.9	15.3	23.3	-66.72	358.9	-1,077.0	790.5	760.1	30.41	25.994	

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
Reference				Offset			Semi Major Axis			Distance			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	86.56	3.6	60.7	61.0				
50.0	50.0	45.0	45.0	0.1	0.1	86.56	3.6	60.7	60.8	60.7	0.11	569.252	
100.0	100.0	95.0	95.0	0.1	0.1	86.56	3.6	60.7	60.8	60.6	0.22	277.601	
150.0	150.0	145.0	145.0	0.2	0.2	86.56	3.6	60.7	60.8	60.4	0.44	138.807	
200.0	200.0	195.0	195.0	0.3	0.3	86.56	3.6	60.7	60.8	60.2	0.66	91.754	
250.0	250.0	245.0	245.0	0.4	0.4	86.56	3.6	60.7	60.8	60.0	0.89	68.525	
300.0	300.0	295.0	295.0	0.6	0.6	86.56	3.6	60.7	60.8	59.7	1.11	54.681	
350.0	350.0	345.0	345.0	0.7	0.7	86.56	3.6	60.7	60.8	59.5	1.34	45.491	
400.0	400.0	395.0	395.0	0.8	0.8	86.56	3.6	60.7	60.8	59.3	1.56	38.946	
450.0	450.0	445.0	445.0	0.9	0.9	86.56	3.6	60.7	60.8	59.1	1.79	34.047	
500.0	500.0	495.0	495.0	1.0	1.0	86.56	3.6	60.7	60.8	58.8	2.01	30.243	
550.0	550.0	545.0	545.0	1.1	1.1	86.56	3.6	60.7	60.8	58.6	2.24	27.203	
600.0	600.0	595.0	595.0	1.2	1.2	86.56	3.6	60.7	60.8	58.4	2.46	24.719	
650.0	650.0	645.0	645.0	1.3	1.3	86.56	3.6	60.7	60.8	58.2	2.69	22.650	
700.0	700.0	695.0	695.0	1.5	1.4	86.56	3.6	60.7	60.8	57.9	2.91	20.901	
750.0	750.0	745.0	745.0	1.6	1.6	86.56	3.6	60.7	60.8	57.7	3.14	19.403	
800.0	800.0	795.0	795.0	1.7	1.7	86.56	3.6	60.7	60.8	57.5	3.36	18.105	
850.0	850.0	845.0	845.0	1.8	1.8	86.56	3.6	60.7	60.8	57.3	3.59	16.970	
900.0	900.0	895.0	895.0	1.9	1.9	86.56	3.6	60.7	60.8	57.0	3.81	15.969	
950.0	950.0	945.0	945.0	2.0	2.0	86.56	3.6	60.7	60.8	56.8	4.03	15.079	
1,000.0	1,000.0	995.0	995.0	2.1	2.1	86.56	3.6	60.7	60.8	56.6	4.26	14.284 CC	
1,050.0	1,050.0	1,045.0	1,045.0	2.2	2.2	119.74	3.6	60.7	61.0	56.5	4.48	13.607 ES	
1,100.0	1,100.0	1,095.0	1,095.0	2.4	2.3	120.53	3.6	60.7	61.5	56.8	4.71	13.066	
1,150.0	1,150.0	1,145.0	1,145.0	2.5	2.5	121.81	3.6	60.7	62.3	57.4	4.93	12.647	
1,200.0	1,199.9	1,194.9	1,194.9	2.6	2.6	123.55	3.6	60.7	63.6	58.4	5.15	12.341	
1,250.0	1,249.8	1,244.5	1,244.5	2.7	2.7	125.46	3.9	60.9	65.4	60.0	5.37	12.164	
1,300.0	1,299.7	1,294.0	1,294.0	2.8	2.8	127.21	4.7	61.3	67.9	62.3	5.60	12.133	
1,350.0	1,349.5	1,343.5	1,343.5	2.9	2.9	128.75	6.0	62.0	71.1	65.3	5.82	12.225	
1,400.0	1,399.3	1,393.0	1,392.9	3.0	3.0	130.06	7.9	63.1	75.1	69.1	6.04	12.430	
1,450.0	1,449.0	1,442.4	1,442.2	3.2	3.1	131.16	10.4	64.5	79.7	73.5	6.27	12.720	
1,500.0	1,498.6	1,491.7	1,491.4	3.3	3.2	132.04	13.4	66.1	85.1	78.6	6.50	13.097	
1,550.0	1,548.1	1,540.9	1,540.5	3.4	3.4	132.72	16.9	68.1	91.1	84.3	6.73	13.532	
1,600.0	1,597.5	1,590.1	1,589.4	3.6	3.5	133.22	21.1	70.4	97.7	90.8	6.96	14.034	
1,650.0	1,646.9	1,639.2	1,638.2	3.7	3.6	133.57	25.7	73.0	105.0	97.8	7.21	14.576	
1,700.0	1,696.1	1,688.1	1,686.8	3.9	3.7	133.78	30.9	75.8	112.8	105.4	7.46	15.135	
1,750.0	1,745.4	1,737.0	1,735.3	4.0	3.8	133.68	36.6	79.0	120.8	113.1	7.71	15.660	
1,800.0	1,794.7	1,785.9	1,783.6	4.2	4.0	133.33	42.9	82.5	129.0	121.0	7.98	16.172	
1,850.0	1,843.9	1,834.9	1,831.9	4.3	4.1	132.80	49.6	86.2	137.3	129.1	8.25	16.648	
1,900.0	1,893.2	1,884.1	1,880.6	4.5	4.2	132.28	56.5	90.0	145.7	137.2	8.53	17.094	
1,950.0	1,942.4	1,933.4	1,929.2	4.7	4.4	131.83	63.4	93.8	154.1	145.3	8.81	17.498	
2,000.0	1,991.7	1,982.7	1,977.9	4.8	4.5	131.42	70.3	97.7	162.6	153.5	9.10	17.873	
2,050.0	2,041.0	2,032.0	2,026.5	5.0	4.7	131.05	77.1	101.5	171.0	161.6	9.39	18.213	
2,100.0	2,090.2	2,081.2	2,075.2	5.2	4.8	130.72	84.0	105.3	179.4	169.7	9.68	18.531	
2,150.0	2,139.5	2,130.5	2,123.8	5.4	5.0	130.41	90.9	109.1	187.8	177.9	9.98	18.822	
2,200.0	2,188.8	2,179.8	2,172.4	5.5	5.1	130.13	97.8	112.9	196.3	186.0	10.28	19.093	
2,250.0	2,238.0	2,229.0	2,221.1	5.7	5.3	129.88	104.6	116.7	204.7	194.1	10.58	19.341	
2,300.0	2,287.3	2,278.3	2,269.7	5.9	5.4	129.64	111.5	120.5	213.2	202.3	10.89	19.574	
2,350.0	2,336.6	2,327.6	2,318.4	6.1	5.6	129.43	118.4	124.4	221.6	210.4	11.20	19.788	
2,400.0	2,385.8	2,376.9	2,367.0	6.3	5.8	129.23	125.3	128.2	230.1	218.6	11.51	19.989	
2,450.0	2,435.1	2,426.1	2,415.7	6.4	5.9	129.04	132.1	132.0	238.5	226.7	11.82	20.174	
2,500.0	2,484.3	2,475.4	2,464.3	6.6	6.1	128.86	139.0	135.8	247.0	234.8	12.14	20.349	

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
2,550.0	2,533.6	2,524.7	2,512.9	6.8	6.3	128.70	145.9	139.6	255.4	243.0	12.45	20.511	
2,600.0	2,582.9	2,574.0	2,561.6	7.0	6.4	128.55	152.8	143.4	263.9	251.1	12.77	20.663	
2,650.0	2,632.1	2,623.2	2,610.2	7.2	6.6	128.41	159.6	147.2	272.4	259.3	13.09	20.806	
2,700.0	2,681.4	2,672.5	2,658.9	7.4	6.8	128.27	166.5	151.0	280.8	267.4	13.41	20.940	
2,750.0	2,730.7	2,721.8	2,707.5	7.5	6.9	128.15	173.4	154.9	289.3	275.6	13.73	21.065	
2,800.0	2,779.9	2,771.1	2,756.2	7.7	7.1	128.03	180.3	158.7	297.8	283.7	14.06	21.184	
2,850.0	2,829.2	2,820.3	2,804.8	7.9	7.3	127.92	187.2	162.5	306.2	291.8	14.38	21.295	
2,900.0	2,878.4	2,869.6	2,853.4	8.1	7.4	127.81	194.0	166.3	314.7	300.0	14.70	21.401	
2,950.0	2,927.7	2,918.9	2,902.1	8.3	7.6	127.71	200.9	170.1	323.2	308.1	15.03	21.500	
3,000.0	2,977.0	2,968.2	2,950.7	8.5	7.8	127.61	207.8	173.9	331.6	316.3	15.36	21.594	
3,050.0	3,026.2	3,017.4	2,999.4	8.7	7.9	127.52	214.7	177.7	340.1	324.4	15.69	21.683	
3,100.0	3,075.5	3,066.7	3,048.0	8.9	8.1	127.43	221.5	181.5	348.6	332.6	16.01	21.768	
3,150.0	3,124.8	3,116.0	3,096.7	9.0	8.3	127.35	228.4	185.4	357.1	340.7	16.34	21.848	
3,200.0	3,174.0	3,165.3	3,145.3	9.2	8.5	127.27	235.3	189.2	365.5	348.9	16.67	21.924	
3,250.0	3,223.3	3,214.5	3,193.9	9.4	8.6	127.20	242.2	193.0	374.0	357.0	17.00	21.997	
3,300.0	3,272.6	3,263.8	3,242.6	9.6	8.8	127.13	249.0	196.8	382.5	365.1	17.33	22.066	
3,350.0	3,321.8	3,313.1	3,291.2	9.8	9.0	127.06	255.9	200.6	391.0	373.3	17.67	22.131	
3,400.0	3,371.1	3,362.4	3,339.9	10.0	9.2	126.99	262.8	204.4	399.4	381.4	18.00	22.194	
3,450.0	3,420.3	3,411.6	3,388.5	10.2	9.3	126.93	269.7	208.2	407.9	389.6	18.33	22.253	
3,500.0	3,469.6	3,460.9	3,437.2	10.4	9.5	126.87	276.5	212.1	416.4	397.7	18.66	22.310	
3,550.0	3,518.9	3,510.2	3,485.8	10.6	9.7	126.81	283.4	215.9	424.9	405.9	19.00	22.365	
3,600.0	3,568.1	3,559.5	3,534.4	10.8	9.9	126.76	290.3	219.7	433.3	414.0	19.33	22.417	
3,650.0	3,617.4	3,608.7	3,583.1	10.9	10.0	126.70	297.2	223.5	441.8	422.2	19.67	22.467	
3,700.0	3,666.7	3,658.0	3,631.7	11.1	10.2	126.65	304.1	227.3	450.3	430.3	20.00	22.515	
3,750.0	3,715.9	3,707.3	3,680.4	11.3	10.4	126.60	310.9	231.1	458.8	438.4	20.34	22.561	
3,800.0	3,765.2	3,756.5	3,729.0	11.5	10.6	126.55	317.8	234.9	467.3	446.6	20.67	22.605	
3,850.0	3,814.4	3,805.8	3,777.7	11.7	10.7	126.51	324.7	238.7	475.7	454.7	21.01	22.647	
3,900.0	3,863.7	3,855.1	3,826.3	11.9	10.9	126.46	331.6	242.6	484.2	462.9	21.34	22.688	
3,950.0	3,913.0	3,904.4	3,874.9	12.1	11.1	126.42	338.4	246.4	492.7	471.0	21.68	22.727	
4,000.0	3,962.2	3,953.6	3,923.6	12.3	11.3	126.38	345.3	250.2	501.2	479.2	22.02	22.765	
4,050.0	4,011.5	4,002.9	3,972.2	12.5	11.5	126.34	352.2	254.0	509.7	487.3	22.35	22.801	
4,100.0	4,060.8	4,052.2	4,020.9	12.7	11.6	126.30	359.1	257.8	518.1	495.5	22.69	22.836	
4,150.0	4,110.0	4,101.5	4,069.5	12.9	11.8	126.26	365.9	261.6	526.6	503.6	23.03	22.869	
4,200.0	4,159.3	4,150.7	4,118.2	13.1	12.0	126.23	372.8	265.4	535.1	511.7	23.37	22.902	
4,250.0	4,208.6	4,200.0	4,166.8	13.3	12.2	126.19	379.7	269.3	543.6	519.9	23.70	22.933	
4,300.0	4,257.8	4,249.3	4,215.4	13.4	12.3	126.16	386.6	273.1	552.1	528.0	24.04	22.963	
4,350.0	4,307.1	4,298.6	4,264.1	13.6	12.5	126.12	393.5	276.9	560.6	536.2	24.38	22.992	
4,400.0	4,356.3	4,347.8	4,312.7	13.8	12.7	126.09	400.3	280.7	569.0	544.3	24.72	23.020	
4,450.0	4,405.6	4,397.1	4,361.4	14.0	12.9	126.06	407.2	284.5	577.5	552.5	25.06	23.048	
4,500.0	4,454.9	4,446.4	4,410.0	14.2	13.1	126.03	414.1	288.3	586.0	560.6	25.40	23.074	
4,550.0	4,504.1	4,495.7	4,458.7	14.4	13.2	126.00	421.0	292.1	594.5	568.8	25.74	23.099	
4,600.0	4,553.5	4,545.0	4,507.3	14.6	13.4	126.06	427.8	295.9	602.8	576.7	26.07	23.117	
4,650.0	4,602.9	4,594.3	4,556.1	14.7	13.6	126.07	434.7	299.8	610.6	584.2	26.39	23.139	
4,700.0	4,652.5	4,643.8	4,604.9	14.9	13.8	126.01	441.6	303.6	617.8	591.1	26.70	23.141	
4,750.0	4,702.2	4,693.2	4,653.7	15.0	14.0	125.87	448.5	307.4	624.6	597.6	27.00	23.137	
4,800.0	4,751.9	4,742.7	4,702.6	15.1	14.1	125.67	455.4	311.2	630.9	603.6	27.29	23.116	
4,850.0	4,801.8	4,792.2	4,751.4	15.2	14.3	125.41	462.3	315.1	636.7	609.1	27.57	23.091	
4,900.0	4,851.7	4,841.7	4,800.3	15.3	14.5	125.08	469.3	318.9	642.1	614.2	27.85	23.050	
4,950.0	4,901.6	4,891.2	4,849.1	15.4	14.7	124.68	476.2	322.7	646.9	618.8	28.12	23.007	
5,000.0	4,951.6	4,940.6	4,897.9	15.4	14.9	124.23	483.1	326.6	651.4	623.0	28.38	22.952	
5,050.0	5,001.6	4,990.0	4,946.7	15.5	15.0	90.79	489.9	330.4	655.4	626.7	28.64	22.884	

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla										Offset Site Error:		0.0 ft
Survey Program:		0-MWD										Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	5,051.6	5,039.4	4,995.4	15.6	15.2	90.19	496.8	334.2	659.2	630.3	28.89	22.820		
5,150.0	5,101.6	5,088.9	5,044.3	15.7	15.4	89.59	503.7	338.0	663.1	634.0	29.14	22.756		
5,200.0	5,151.6	5,144.8	5,099.6	15.7	15.6	88.96	511.1	342.1	666.9	637.5	29.37	22.703		
5,250.0	5,201.6	5,201.1	5,155.4	15.8	15.7	88.42	517.5	345.6	670.2	640.6	29.60	22.642		
5,300.0	5,251.6	5,257.6	5,211.5	15.9	15.8	87.96	522.9	348.7	673.0	643.2	29.81	22.577		
5,350.0	5,301.6	5,314.3	5,268.0	16.0	16.0	87.59	527.4	351.2	675.4	645.4	30.02	22.501		
5,400.0	5,351.6	5,371.3	5,324.8	16.1	16.1	87.29	531.0	353.1	677.2	647.0	30.21	22.418		
5,450.0	5,401.6	5,428.3	5,381.8	16.1	16.2	87.08	533.5	354.5	678.6	648.2	30.40	22.325		
5,500.0	5,451.6	5,485.5	5,438.9	16.2	16.3	86.96	535.1	355.4	679.4	648.8	30.58	22.221		
5,550.0	5,501.6	5,542.7	5,496.1	16.3	16.4	86.91	535.6	355.7	679.7	649.0	30.75	22.107		
5,600.0	5,551.6	5,593.2	5,546.6	16.4	16.4	86.91	535.6	355.7	679.7	648.8	30.91	22.990		
5,650.0	5,601.6	5,643.2	5,596.6	16.5	16.5	86.91	535.6	355.7	679.7	648.6	31.08	21.871		
5,700.0	5,651.6	5,693.2	5,646.6	16.5	16.6	86.91	535.6	355.7	679.7	648.5	31.25	21.751		
5,750.0	5,701.6	5,743.2	5,696.6	16.6	16.7	86.91	535.6	355.7	679.7	648.3	31.42	21.633		
5,800.0	5,751.6	5,793.2	5,746.6	16.7	16.8	86.91	535.6	355.7	679.7	648.1	31.59	21.515		
5,850.0	5,801.6	5,843.2	5,796.6	16.8	16.8	86.91	535.6	355.7	679.7	648.0	31.76	21.398		
5,900.0	5,851.6	5,893.2	5,846.6	16.9	16.9	86.91	535.6	355.7	679.7	647.8	31.94	21.283		
5,950.0	5,901.6	5,943.2	5,896.6	17.0	17.0	86.91	535.6	355.7	679.7	647.6	32.11	21.167		
6,000.0	5,951.6	5,993.2	5,946.6	17.0	17.1	86.91	535.6	355.7	679.7	647.4	32.29	21.053		
6,050.0	6,001.6	6,043.2	5,996.6	17.1	17.2	86.91	535.6	355.7	679.7	647.3	32.46	20.939		
6,100.0	6,051.6	6,093.2	6,046.6	17.2	17.3	86.91	535.6	355.7	679.7	647.1	32.64	20.827		
6,150.0	6,101.6	6,143.2	6,096.6	17.3	17.3	86.91	535.6	355.7	679.7	646.9	32.81	20.715		
6,200.0	6,151.6	6,193.2	6,146.6	17.4	17.4	86.91	535.6	355.7	679.7	646.7	32.99	20.604		
6,250.0	6,201.6	6,243.2	6,196.6	17.5	17.5	86.91	535.6	355.7	679.7	646.5	33.17	20.494		
6,300.0	6,251.6	6,293.2	6,246.6	17.5	17.6	86.91	535.6	355.7	679.7	646.4	33.34	20.384		
6,350.0	6,301.6	6,343.2	6,296.6	17.6	17.7	86.91	535.6	355.7	679.7	646.2	33.52	20.276		
6,400.0	6,351.6	6,393.2	6,346.6	17.7	17.8	86.91	535.6	355.7	679.7	646.0	33.70	20.168		
6,450.0	6,401.6	6,443.2	6,396.6	17.8	17.9	86.91	535.6	355.7	679.7	645.8	33.88	20.061		
6,500.0	6,451.6	6,493.2	6,446.6	17.9	17.9	86.91	535.6	355.7	679.7	645.7	34.06	19.955		
6,550.0	6,501.6	6,543.2	6,496.6	18.0	18.0	86.91	535.6	355.7	679.7	645.5	34.24	19.850		
6,600.0	6,551.6	6,593.2	6,546.6	18.1	18.1	86.91	535.6	355.7	679.7	645.3	34.42	19.745		
6,650.0	6,601.6	6,643.2	6,596.6	18.2	18.2	86.91	535.6	355.7	679.7	645.1	34.61	19.642		
6,700.0	6,651.6	6,693.2	6,646.6	18.2	18.3	86.91	535.6	355.7	679.7	644.9	34.79	19.539		
6,750.0	6,701.6	6,743.2	6,696.6	18.3	18.4	86.91	535.6	355.7	679.7	644.7	34.97	19.437		
6,800.0	6,751.6	6,793.2	6,746.6	18.4	18.5	86.91	535.6	355.7	679.7	644.6	35.15	19.335		
6,850.0	6,801.6	6,843.2	6,796.6	18.5	18.5	86.91	535.6	355.7	679.7	644.4	35.34	19.235		
6,900.0	6,851.6	6,893.2	6,846.6	18.6	18.6	86.91	535.6	355.7	679.7	644.2	35.52	19.135		
6,950.0	6,901.6	6,943.2	6,896.6	18.7	18.7	86.91	535.6	355.7	679.7	644.0	35.71	19.036		
7,000.0	6,951.6	6,993.2	6,946.6	18.8	18.8	86.91	535.6	355.7	679.7	643.8	35.89	18.938		
7,050.0	7,001.6	7,043.2	6,996.6	18.9	18.9	86.91	535.6	355.7	679.7	643.6	36.08	18.841		
7,100.0	7,051.6	7,093.2	7,046.6	19.0	19.0	86.91	535.6	355.7	679.7	643.5	36.26	18.744		
7,150.0	7,101.6	7,143.2	7,096.6	19.0	19.1	86.91	535.6	355.7	679.7	643.3	36.45	18.648		
7,200.0	7,151.6	7,193.2	7,146.6	19.1	19.2	86.91	535.6	355.7	679.7	643.1	36.64	18.553		
7,250.0	7,201.6	7,243.2	7,196.6	19.2	19.3	86.91	535.6	355.7	679.7	642.9	36.82	18.459		
7,300.0	7,251.6	7,293.2	7,246.6	19.3	19.3	86.91	535.6	355.7	679.7	642.7	37.01	18.365		
7,350.0	7,301.6	7,343.2	7,296.6	19.4	19.4	86.91	535.6	355.7	679.7	642.5	37.20	18.272		
7,400.0	7,351.6	7,393.2	7,346.6	19.5	19.5	86.91	535.6	355.7	679.7	642.3	37.39	18.180		
7,450.0	7,401.6	7,443.2	7,396.6	19.6	19.6	86.91	535.6	355.7	679.7	642.1	37.58	18.089		
7,500.0	7,451.6	7,493.2	7,446.6	19.7	19.7	86.91	535.6	355.7	679.7	642.0	37.77	17.998		
7,550.0	7,501.6	7,543.2	7,496.6	19.8	19.8	86.91	535.6	355.7	679.7	641.8	37.96	17.908		
7,600.0	7,551.6	7,593.2	7,546.6	19.9	19.9	86.91	535.6	355.7	679.7	641.6	38.15	17.819		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,650.0	7,601.6	7,643.2	7,596.6	20.0	20.0	86.91	535.6	355.7	679.7	641.4	38.34	17.730		
7,700.0	7,651.6	7,693.2	7,646.6	20.1	20.1	86.91	535.6	355.7	679.7	641.2	38.53	17.643		
7,750.0	7,701.6	7,743.2	7,696.6	20.1	20.2	86.91	535.6	355.7	679.7	641.0	38.72	17.556		
7,800.0	7,751.6	7,793.2	7,746.6	20.2	20.3	86.91	535.6	355.7	679.7	640.8	38.91	17.469		
7,850.0	7,801.6	7,843.2	7,796.6	20.3	20.4	86.91	535.6	355.7	679.7	640.6	39.10	17.383		
7,900.0	7,851.6	7,893.2	7,846.6	20.4	20.4	86.91	535.6	355.7	679.7	640.4	39.29	17.298		
7,950.0	7,901.6	7,946.6	7,900.0	20.5	20.5	-93.93	533.7	355.7	679.7	640.2	39.44	17.233		
8,000.0	7,951.4	8,000.0	7,953.1	20.5	20.5	-93.86	527.7	355.6	679.6	640.1	39.52	17.197		
8,050.0	8,000.7	8,053.4	8,005.5	20.6	20.6	-93.77	517.8	355.5	679.6	640.0	39.54	17.185		
8,100.0	8,049.3	8,106.6	8,056.9	20.6	20.5	-93.67	504.1	355.3	679.5	640.0	39.52	17.195		
8,150.0	8,096.9	8,159.8	8,107.1	20.5	20.5	-93.54	486.7	355.0	679.4	640.0	39.45	17.224		
8,200.0	8,143.5	8,212.8	8,155.7	20.5	20.4	-93.40	465.6	354.7	679.3	640.0	39.34	17.269		
8,250.0	8,188.6	8,265.6	8,202.5	20.5	20.4	-93.24	441.1	354.3	679.2	640.0	39.20	17.328		
8,300.0	8,232.1	8,318.3	8,247.2	20.4	20.3	-93.06	413.3	353.9	679.1	640.1	39.04	17.396		
8,350.0	8,273.8	8,370.8	8,289.7	20.3	20.2	-92.87	382.3	353.4	679.0	640.1	38.87	17.469		
8,400.0	8,313.4	8,423.1	8,329.6	20.2	20.1	-92.67	348.5	352.9	678.9	640.2	38.70	17.542		
8,450.0	8,350.9	8,475.3	8,366.8	20.2	20.0	-92.45	312.0	352.4	678.8	640.3	38.54	17.611		
8,500.0	8,385.9	8,527.2	8,401.1	20.1	19.9	-92.22	273.1	351.8	678.7	640.3	38.41	17.670		
8,550.0	8,418.4	8,578.9	8,432.3	20.0	19.8	-91.97	231.9	351.2	678.6	640.3	38.31	17.714		
8,600.0	8,448.1	8,630.3	8,460.4	19.9	19.7	-91.72	188.8	350.6	678.6	640.3	38.26	17.737		
8,650.0	8,474.9	8,681.6	8,485.3	19.8	19.6	-91.46	144.0	349.9	678.5	640.2	38.26	17.736		
8,700.0	8,498.8	8,732.6	8,506.7	19.8	19.5	-91.20	97.7	349.2	678.4	640.1	38.32	17.705		
8,750.0	8,519.5	8,783.4	8,524.8	19.7	19.5	-90.93	50.3	348.5	678.4	640.0	38.45	17.643		
8,800.0	8,537.0	8,833.9	8,539.4	19.7	19.5	-90.65	1.9	347.8	678.4	639.7	38.66	17.548		
8,844.6	8,549.8	8,878.8	8,549.4	19.6	19.5	-90.40	-41.8	347.1	678.4	639.5	38.91	17.433		
8,850.0	8,551.2	8,884.2	8,550.5	19.6	19.5	-90.37	-47.2	347.1	678.4	639.4	38.95	17.419		
8,900.0	8,562.0	8,934.3	8,558.1	19.6	19.7	-90.09	-96.6	346.3	678.4	639.1	39.31	17.257		
8,950.0	8,569.4	8,984.2	8,562.2	19.8	20.0	-89.82	-146.3	345.6	678.4	638.7	39.75	17.066		
9,000.0	8,573.3	9,033.9	8,563.0	20.1	20.2	-89.55	-196.0	344.8	678.5	638.2	40.24	16.859		
9,050.0	8,574.0	9,083.9	8,562.9	20.4	20.5	-89.49	-246.0	344.1	678.5	637.7	40.73	16.659		
9,100.0	8,573.9	9,133.9	8,562.8	20.8	20.8	-89.49	-296.0	343.4	678.5	637.1	41.34	16.414		
9,150.0	8,573.8	9,183.9	8,562.7	21.2	21.2	-89.49	-346.0	342.6	678.5	636.4	42.10	16.118		
9,200.0	8,573.7	9,233.9	8,562.6	21.6	21.6	-89.49	-396.0	341.9	678.5	635.6	42.90	15.814		
9,250.0	8,573.6	9,283.9	8,562.5	22.1	22.1	-89.48	-446.0	341.1	678.5	634.7	43.81	15.488		
9,300.0	8,573.6	9,333.9	8,562.5	22.5	22.6	-89.48	-496.0	340.4	678.5	633.7	44.75	15.161		
9,350.0	8,573.5	9,383.9	8,562.4	23.1	23.1	-89.48	-546.0	339.7	678.5	632.7	45.78	14.821		
9,400.0	8,573.4	9,433.9	8,562.3	23.6	23.7	-89.48	-596.0	338.9	678.5	631.6	46.84	14.484		
9,450.0	8,573.3	9,483.9	8,562.2	24.2	24.2	-89.48	-645.9	338.2	678.5	630.5	47.98	14.141		
9,500.0	8,573.2	9,533.9	8,562.1	24.8	24.8	-89.48	-695.9	337.4	678.5	629.3	49.15	13.805		
9,550.0	8,573.2	9,583.9	8,562.0	25.4	25.4	-89.48	-745.9	336.7	678.5	628.1	50.38	13.468		
9,600.0	8,573.1	9,633.9	8,561.9	26.0	26.1	-89.48	-795.9	335.9	678.5	626.9	51.64	13.139		
9,650.0	8,573.0	9,683.9	8,561.9	26.7	26.7	-89.48	-845.9	335.2	678.5	625.6	52.95	12.813		
9,700.0	8,572.9	9,733.9	8,561.8	27.3	27.4	-89.48	-895.9	334.5	678.5	624.2	54.29	12.498		
9,750.0	8,572.8	9,783.9	8,561.7	28.0	28.1	-89.48	-945.9	333.7	678.5	622.8	55.67	12.187		
9,800.0	8,572.8	9,833.9	8,561.6	28.7	28.8	-89.48	-995.9	333.0	678.5	621.4	57.08	11.887		
9,850.0	8,572.7	9,883.9	8,561.5	29.5	29.5	-89.48	-1,045.9	332.2	678.5	620.0	58.52	11.594		
9,900.0	8,572.6	9,933.9	8,561.4	30.2	30.3	-89.48	-1,095.9	331.5	678.5	618.5	59.99	11.311		
9,950.0	8,572.5	9,983.9	8,561.3	30.9	31.0	-89.48	-1,145.9	330.7	678.5	617.0	61.48	11.036		
10,000.0	8,572.4	10,033.9	8,561.3	31.7	31.8	-89.48	-1,195.9	330.0	678.5	615.5	62.99	10.771		
10,050.0	8,572.4	10,083.9	8,561.2	32.5	32.5	-89.48	-1,245.9	329.3	678.5	614.0	64.54	10.514		
10,100.0	8,572.3	10,133.9	8,561.1	33.2	33.3	-89.48	-1,295.9	328.5	678.5	612.4	66.09	10.267		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,150.0	8,572.2	10,183.9	8,561.0	34.0	34.1	-89.48	-1,345.9	327.8	678.5	610.9	67.67	10.027		
10,200.0	8,572.1	10,233.9	8,560.9	34.8	34.9	-89.48	-1,395.9	327.0	678.5	609.3	69.26	9.796		
10,250.0	8,572.0	10,283.9	8,560.8	35.6	35.7	-89.48	-1,445.9	326.3	678.5	607.7	70.88	9.573		
10,300.0	8,572.0	10,333.9	8,560.7	36.4	36.5	-89.48	-1,495.9	325.6	678.5	606.0	72.50	9.359		
10,350.0	8,571.9	10,383.9	8,560.7	37.2	37.3	-89.47	-1,545.8	324.8	678.5	604.4	74.15	9.151		
10,400.0	8,571.8	10,433.9	8,560.6	38.1	38.2	-89.47	-1,595.8	324.1	678.5	602.7	75.80	8.952		
10,450.0	8,571.7	10,483.9	8,560.5	38.9	39.0	-89.47	-1,645.8	323.3	678.5	601.1	77.47	8.759		
10,500.0	8,571.6	10,533.9	8,560.4	39.7	39.8	-89.47	-1,695.8	322.6	678.5	599.4	79.15	8.573		
10,550.0	8,571.5	10,583.9	8,560.3	40.6	40.7	-89.47	-1,745.8	321.8	678.5	597.7	80.84	8.394		
10,600.0	8,571.5	10,633.9	8,560.2	41.4	41.5	-89.47	-1,795.8	321.1	678.5	596.0	82.54	8.221		
10,650.0	8,571.4	10,683.9	8,560.1	42.3	42.4	-89.47	-1,845.8	320.4	678.5	594.3	84.25	8.054		
10,700.0	8,571.3	10,733.9	8,560.0	43.1	43.2	-89.47	-1,895.8	319.6	678.6	592.6	85.97	7.893		
10,750.0	8,571.2	10,783.9	8,560.0	44.0	44.1	-89.47	-1,945.8	318.9	678.6	590.9	87.70	7.737		
10,800.0	8,571.1	10,833.9	8,559.9	44.8	45.0	-89.47	-1,995.8	318.1	678.6	589.1	89.43	7.587		
10,850.0	8,571.1	10,883.9	8,559.8	45.7	45.8	-89.47	-2,045.8	317.4	678.6	587.4	91.18	7.442		
10,900.0	8,571.0	10,933.9	8,559.7	46.6	46.7	-89.47	-2,095.8	316.7	678.6	585.6	92.93	7.302		
10,950.0	8,570.9	10,983.9	8,559.6	47.5	47.6	-89.47	-2,145.8	315.9	678.6	583.9	94.69	7.166		
11,000.0	8,570.8	11,033.9	8,559.5	48.3	48.5	-89.47	-2,195.8	315.2	678.6	582.1	96.45	7.035		
11,050.0	8,570.7	11,083.9	8,559.4	49.2	49.3	-89.47	-2,245.8	314.4	678.6	580.3	98.22	6.908		
11,100.0	8,570.7	11,133.9	8,559.4	50.1	50.2	-89.47	-2,295.8	313.7	678.6	578.6	100.00	6.786		
11,150.0	8,570.6	11,183.9	8,559.3	51.0	51.1	-89.47	-2,345.8	312.9	678.6	576.8	101.78	6.667		
11,200.0	8,570.5	11,233.9	8,559.2	51.9	52.0	-89.47	-2,395.8	312.2	678.6	575.0	103.57	6.552		
11,250.0	8,570.4	11,283.9	8,559.1	52.8	52.9	-89.47	-2,445.7	311.5	678.6	573.2	105.36	6.440		
11,300.0	8,570.3	11,333.9	8,559.0	53.7	53.8	-89.47	-2,495.7	310.7	678.6	571.4	107.16	6.332		
11,350.0	8,570.3	11,383.9	8,558.9	54.6	54.7	-89.47	-2,545.7	310.0	678.6	569.6	108.96	6.228		
11,400.0	8,570.2	11,433.9	8,558.8	55.5	55.6	-89.47	-2,595.7	309.2	678.6	567.8	110.77	6.126		
11,450.0	8,570.1	11,483.9	8,558.8	56.4	56.5	-89.47	-2,645.7	308.5	678.6	566.0	112.58	6.028		
11,500.0	8,570.0	11,533.9	8,558.7	57.3	57.4	-89.46	-2,695.7	307.7	678.6	564.2	114.39	5.932		
11,550.0	8,569.9	11,583.9	8,558.6	58.2	58.3	-89.46	-2,745.7	307.0	678.6	562.4	116.21	5.839		
11,600.0	8,569.9	11,633.9	8,558.5	59.1	59.2	-89.46	-2,795.7	306.3	678.6	560.6	118.03	5.749		
11,650.0	8,569.8	11,683.9	8,558.4	60.0	60.1	-89.46	-2,845.7	305.5	678.6	558.7	119.85	5.662		
11,700.0	8,569.7	11,733.9	8,558.3	60.9	61.1	-89.46	-2,895.7	304.8	678.6	556.9	121.68	5.577		
11,750.0	8,569.6	11,783.9	8,558.2	61.8	62.0	-89.46	-2,945.7	304.0	678.6	555.1	123.51	5.494		
11,800.0	8,569.5	11,833.9	8,558.2	62.7	62.9	-89.46	-2,995.7	303.3	678.6	553.3	125.34	5.414		
11,850.0	8,569.4	11,883.9	8,558.1	63.7	63.8	-89.46	-3,045.7	302.6	678.6	551.4	127.18	5.336		
11,900.0	8,569.4	11,933.9	8,558.0	64.6	64.7	-89.46	-3,095.7	301.8	678.6	549.6	129.02	5.260		
11,950.0	8,569.3	11,983.9	8,557.9	65.5	65.6	-89.46	-3,145.7	301.1	678.6	547.7	130.86	5.186		
12,000.0	8,569.2	12,033.9	8,557.8	66.4	66.6	-89.46	-3,195.7	300.3	678.6	545.9	132.71	5.114		
12,050.0	8,569.1	12,083.9	8,557.7	67.3	67.5	-89.46	-3,245.7	299.6	678.6	544.1	134.55	5.044		
12,100.0	8,569.0	12,133.9	8,557.6	68.3	68.4	-89.46	-3,295.6	298.8	678.6	542.2	136.40	4.975		
12,150.0	8,569.0	12,183.9	8,557.6	69.2	69.3	-89.46	-3,345.6	298.1	678.6	540.4	138.25	4.909		
12,200.0	8,568.9	12,233.9	8,557.5	70.1	70.3	-89.46	-3,395.6	297.4	678.6	538.5	140.10	4.844		
12,250.0	8,568.8	12,283.9	8,557.4	71.0	71.2	-89.46	-3,445.6	296.6	678.6	536.7	141.96	4.780		
12,300.0	8,568.7	12,333.9	8,557.3	72.0	72.1	-89.46	-3,495.6	295.9	678.6	534.8	143.81	4.719		
12,350.0	8,568.6	12,383.9	8,557.2	72.9	73.0	-89.46	-3,545.6	295.1	678.6	533.0	145.67	4.659		
12,400.0	8,568.6	12,433.9	8,557.1	73.8	74.0	-89.46	-3,595.6	294.4	678.6	531.1	147.53	4.600		
12,450.0	8,568.5	12,483.9	8,557.0	74.7	74.9	-89.46	-3,645.6	293.7	678.6	529.2	149.39	4.543		
12,500.0	8,568.4	12,533.9	8,557.0	75.7	75.8	-89.46	-3,695.6	292.9	678.6	527.4	151.26	4.487		
12,550.0	8,568.3	12,583.9	8,556.9	76.6	76.8	-89.46	-3,745.6	292.2	678.6	525.5	153.12	4.432		
12,600.0	8,568.2	12,633.9	8,556.8	77.5	77.7	-89.45	-3,795.6	291.4	678.6	523.6	154.99	4.379		
12,650.0	8,568.2	12,683.9	8,556.7	78.5	78.6	-89.45	-3,845.6	290.7	678.6	521.8	156.86	4.326		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla											Offset Site Error:		0.0 ft
Survey Program:		0-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
12,700.0	8,568.1	12,733.9	8,556.6	79.4	79.6	-89.45	-3,895.6	289.9	678.6	519.9	158.73	4.276			
12,750.0	8,568.0	12,783.9	8,556.5	80.3	80.5	-89.45	-3,945.6	289.2	678.6	518.0	160.60	4.226			
12,800.0	8,567.9	12,833.9	8,556.4	81.3	81.4	-89.45	-3,995.6	288.5	678.6	516.2	162.47	4.177			
12,850.0	8,567.8	12,883.9	8,556.3	82.2	82.4	-89.45	-4,045.6	287.7	678.7	514.3	164.34	4.129			
12,900.0	8,567.8	12,933.9	8,556.3	83.1	83.3	-89.45	-4,095.6	287.0	678.7	512.4	166.22	4.083			
12,950.0	8,567.7	12,983.9	8,556.2	84.1	84.2	-89.45	-4,145.6	286.2	678.7	510.6	168.10	4.037			
13,000.0	8,567.6	13,033.9	8,556.1	85.0	85.2	-89.45	-4,195.5	285.5	678.7	508.7	169.97	3.993			
13,050.0	8,567.5	13,083.9	8,556.0	86.0	86.1	-89.45	-4,245.5	284.7	678.7	506.8	171.85	3.949			
13,100.0	8,567.4	13,133.9	8,555.9	86.9	87.1	-89.45	-4,295.5	284.0	678.7	504.9	173.73	3.906			
13,150.0	8,567.3	13,183.9	8,555.8	87.8	88.0	-89.45	-4,345.5	283.3	678.7	503.1	175.61	3.865			
13,200.0	8,567.3	13,233.9	8,555.7	88.8	88.9	-89.45	-4,395.5	282.5	678.7	501.2	177.49	3.824			
13,250.0	8,567.2	13,283.9	8,555.7	89.7	89.9	-89.45	-4,445.5	281.8	678.7	499.3	179.37	3.784			
13,300.0	8,567.1	13,333.9	8,555.6	90.7	90.8	-89.45	-4,495.5	281.0	678.7	497.4	181.26	3.744			
13,350.0	8,567.0	13,383.9	8,555.5	91.6	91.8	-89.45	-4,545.5	280.3	678.7	495.5	183.14	3.706			
13,400.0	8,566.9	13,433.9	8,555.4	92.5	92.7	-89.45	-4,595.5	279.6	678.7	493.7	185.03	3.668			
13,450.0	8,566.9	13,483.9	8,555.3	93.5	93.6	-89.45	-4,645.5	278.8	678.7	491.8	186.91	3.631			
13,500.0	8,566.8	13,533.9	8,555.2	94.4	94.6	-89.45	-4,695.5	278.1	678.7	489.9	188.80	3.595			
13,550.0	8,566.7	13,583.9	8,555.1	95.4	95.5	-89.45	-4,745.5	277.3	678.7	488.0	190.69	3.559			
13,600.0	8,566.6	13,633.9	8,555.1	96.3	96.5	-89.45	-4,795.5	276.6	678.7	486.1	192.58	3.524			
13,650.0	8,566.5	13,683.9	8,555.0	97.2	97.4	-89.45	-4,845.5	275.8	678.7	484.2	194.46	3.490			
13,700.0	8,566.5	13,733.9	8,554.9	98.2	98.4	-89.45	-4,895.5	275.1	678.7	482.3	196.35	3.456			
13,750.0	8,566.4	13,783.9	8,554.8	99.1	99.3	-89.44	-4,945.5	274.4	678.7	480.4	198.24	3.424			
13,800.0	8,566.3	13,833.9	8,554.7	100.1	100.3	-89.44	-4,995.5	273.6	678.7	478.6	200.14	3.391			
13,850.0	8,566.2	13,883.9	8,554.6	101.0	101.2	-89.44	-5,045.5	272.9	678.7	476.7	202.03	3.359			
13,900.0	8,566.1	13,933.9	8,554.5	102.0	102.1	-89.44	-5,095.4	272.1	678.7	474.8	203.92	3.328			
13,950.0	8,566.1	13,983.9	8,554.5	102.9	103.1	-89.44	-5,145.4	271.4	678.7	472.9	205.81	3.298			
14,000.0	8,566.0	14,033.9	8,554.4	103.9	104.0	-89.44	-5,195.4	270.6	678.7	471.0	207.71	3.268			
14,050.0	8,565.9	14,083.9	8,554.3	104.8	105.0	-89.44	-5,245.4	269.9	678.7	469.1	209.60	3.238			
14,100.0	8,565.8	14,133.9	8,554.2	105.8	105.9	-89.44	-5,295.4	269.2	678.7	467.2	211.50	3.209			
14,150.0	8,565.7	14,183.9	8,554.1	106.7	106.9	-89.44	-5,345.4	268.4	678.7	465.3	213.39	3.181			
14,200.0	8,565.7	14,233.9	8,554.0	107.7	107.8	-89.44	-5,395.4	267.7	678.7	463.4	215.29	3.153			
14,250.0	8,565.6	14,283.9	8,553.9	108.6	108.8	-89.44	-5,445.4	266.9	678.7	461.5	217.19	3.125			
14,300.0	8,565.5	14,333.9	8,553.9	109.5	109.7	-89.44	-5,495.4	266.2	678.7	459.6	219.08	3.098			
14,350.0	8,565.4	14,383.9	8,553.8	110.5	110.7	-89.44	-5,545.4	265.5	678.7	457.7	220.98	3.071			
14,400.0	8,565.3	14,433.9	8,553.7	111.4	111.6	-89.44	-5,595.4	264.7	678.7	455.8	222.88	3.045			
14,450.0	8,565.2	14,483.9	8,553.6	112.4	112.6	-89.44	-5,645.4	264.0	678.7	453.9	224.78	3.020			
14,500.0	8,565.2	14,533.9	8,553.5	113.3	113.5	-89.44	-5,695.4	263.2	678.7	452.0	226.68	2.994			
14,550.0	8,565.1	14,583.9	8,553.4	114.3	114.5	-89.44	-5,745.4	262.5	678.7	450.2	228.58	2.969			
14,600.0	8,565.0	14,633.9	8,553.3	115.2	115.4	-89.44	-5,795.4	261.7	678.7	448.3	230.48	2.945			
14,650.0	8,564.9	14,683.9	8,553.3	116.2	116.4	-89.44	-5,845.4	261.0	678.7	446.4	232.38	2.921			
14,700.0	8,564.8	14,733.9	8,553.2	117.1	117.3	-89.44	-5,895.4	260.3	678.7	444.5	234.28	2.897			
14,750.0	8,564.8	14,783.9	8,553.1	118.1	118.3	-89.44	-5,945.4	259.5	678.7	442.6	236.18	2.874			
14,800.0	8,564.7	14,833.9	8,553.0	119.0	119.2	-89.44	-5,995.3	258.8	678.7	440.7	238.09	2.851			
14,850.0	8,564.6	14,883.9	8,552.9	120.0	120.2	-89.43	-6,045.3	258.0	678.7	438.8	239.99	2.828			
14,900.0	8,564.5	14,933.9	8,552.8	120.9	121.1	-89.43	-6,095.3	257.3	678.7	436.9	241.89	2.806			
14,950.0	8,564.4	14,983.9	8,552.7	121.9	122.1	-89.43	-6,145.3	256.6	678.7	435.0	243.79	2.784			
15,000.0	8,564.4	15,033.9	8,552.6	122.8	123.0	-89.43	-6,195.3	255.8	678.8	433.1	245.70	2.763			
15,050.0	8,564.3	15,083.9	8,552.6	123.8	124.0	-89.43	-6,245.3	255.1	678.8	431.2	247.60	2.741			
15,100.0	8,564.2	15,133.9	8,552.5	124.7	124.9	-89.43	-6,295.3	254.3	678.8	429.2	249.51	2.720			
15,150.0	8,564.1	15,183.9	8,552.4	125.7	125.9	-89.43	-6,345.3	253.6	678.8	427.3	251.41	2.700			
15,200.0	8,564.0	15,233.9	8,552.3	126.6	126.8	-89.43	-6,395.3	252.8	678.8	425.4	253.32	2.680			

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 501-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
15,250.0	8,564.0	15,283.9	8,552.2	127.6	127.8	-89.43	-6,445.3	252.1	678.8	423.5	255.22	2.660		
15,300.0	8,563.9	15,333.9	8,552.1	128.6	128.7	-89.43	-6,495.3	251.4	678.8	421.6	257.13	2.640		
15,350.0	8,563.8	15,383.9	8,552.0	129.5	129.7	-89.43	-6,545.3	250.6	678.8	419.7	259.03	2.620		
15,400.0	8,563.7	15,433.9	8,552.0	130.5	130.6	-89.43	-6,595.3	249.9	678.8	417.8	260.94	2.601		
15,450.0	8,563.6	15,483.9	8,551.9	131.4	131.6	-89.43	-6,645.3	249.1	678.8	415.9	262.85	2.582		
15,500.0	8,563.6	15,533.9	8,551.8	132.4	132.5	-89.43	-6,695.3	248.4	678.8	414.0	264.75	2.564		
15,550.0	8,563.5	15,583.9	8,551.7	133.3	133.5	-89.43	-6,745.3	247.6	678.8	412.1	266.66	2.545		
15,600.0	8,563.4	15,633.9	8,551.6	134.3	134.5	-89.43	-6,795.3	246.9	678.8	410.2	268.57	2.527		
15,650.0	8,563.3	15,683.9	8,551.5	135.2	135.4	-89.43	-6,845.3	246.2	678.8	408.3	270.48	2.510		
15,700.0	8,563.2	15,733.9	8,551.4	136.2	136.4	-89.43	-6,895.2	245.4	678.8	406.4	272.38	2.492		
15,750.0	8,563.1	15,783.9	8,551.4	137.1	137.3	-89.43	-6,945.2	244.7	678.8	404.5	274.29	2.475		
15,800.0	8,563.1	15,833.9	8,551.3	138.1	138.3	-89.43	-6,995.2	243.9	678.8	402.6	276.20	2.458		
15,850.0	8,563.0	15,883.9	8,551.2	139.0	139.2	-89.43	-7,045.2	243.2	678.8	400.7	278.11	2.441		
15,900.0	8,562.9	15,933.9	8,551.1	140.0	140.2	-89.43	-7,095.2	242.5	678.8	398.8	280.02	2.424		
15,950.0	8,562.8	15,983.9	8,551.0	140.9	141.1	-89.43	-7,145.2	241.7	678.8	396.9	281.93	2.408		
16,000.0	8,562.7	16,033.9	8,550.9	141.9	142.1	-89.42	-7,195.2	241.0	678.8	395.0	283.84	2.391		
16,050.0	8,562.7	16,083.9	8,550.8	142.9	143.0	-89.42	-7,245.2	240.2	678.8	393.1	285.75	2.376		
16,100.0	8,562.6	16,133.9	8,550.8	143.8	144.0	-89.42	-7,295.2	239.5	678.8	391.1	287.66	2.360		
16,150.0	8,562.5	16,183.9	8,550.7	144.8	144.9	-89.42	-7,345.2	238.7	678.8	389.2	289.57	2.344		
16,200.0	8,562.4	16,233.9	8,550.6	145.7	145.9	-89.42	-7,395.2	238.0	678.8	387.3	291.48	2.329		
16,250.0	8,562.3	16,283.9	8,550.5	146.7	146.9	-89.42	-7,445.2	237.3	678.8	385.4	293.39	2.314		
16,300.0	8,562.3	16,333.9	8,550.4	147.6	147.8	-89.42	-7,495.2	236.5	678.8	383.5	295.30	2.299		
16,350.0	8,562.2	16,383.9	8,550.3	148.6	148.8	-89.42	-7,545.2	235.8	678.8	381.6	297.21	2.284		
16,400.0	8,562.1	16,433.9	8,550.2	149.5	149.7	-89.42	-7,595.2	235.0	678.8	379.7	299.12	2.269		
16,450.0	8,562.0	16,483.9	8,550.2	150.5	150.7	-89.42	-7,645.2	234.3	678.8	377.8	301.04	2.255		
16,500.0	8,561.9	16,533.9	8,550.1	151.5	151.6	-89.42	-7,695.2	233.5	678.8	375.9	302.95	2.241		
16,550.0	8,561.9	16,583.9	8,550.0	152.4	152.6	-89.42	-7,745.2	232.8	678.8	374.0	304.86	2.227		
16,600.0	8,561.8	16,633.9	8,549.9	153.4	153.5	-89.42	-7,795.1	232.1	678.8	372.1	306.77	2.213		
16,650.0	8,561.7	16,683.9	8,549.8	154.3	154.5	-89.42	-7,845.1	231.3	678.8	370.1	308.68	2.199		
16,700.0	8,561.6	16,733.9	8,549.7	155.3	155.5	-89.42	-7,895.1	230.6	678.8	368.2	310.60	2.186		
16,750.0	8,561.5	16,783.9	8,549.6	156.2	156.4	-89.42	-7,945.1	229.8	678.8	366.3	312.51	2.172		
16,800.0	8,561.5	16,833.9	8,549.6	157.2	157.4	-89.42	-7,995.1	229.1	678.8	364.4	314.42	2.159		
16,850.0	8,561.4	16,883.9	8,549.5	158.1	158.3	-89.42	-8,045.1	228.4	678.8	362.5	316.34	2.146		
16,900.0	8,561.3	16,933.9	8,549.4	159.1	159.3	-89.42	-8,095.1	227.6	678.8	360.6	318.25	2.133		
16,950.0	8,561.2	16,983.9	8,549.3	160.1	160.2	-89.42	-8,145.1	226.9	678.8	358.7	320.16	2.120		
17,000.0	8,561.1	17,033.9	8,549.2	161.0	161.2	-89.42	-8,195.1	226.1	678.8	356.8	322.08	2.108		
17,050.0	8,561.0	17,083.9	8,549.1	162.0	162.2	-89.42	-8,245.1	225.4	678.8	354.9	323.99	2.095		
17,100.0	8,561.0	17,133.9	8,549.0	162.9	163.1	-89.41	-8,295.1	224.6	678.8	352.9	325.90	2.083		
17,150.0	8,560.9	17,183.9	8,548.9	163.9	164.1	-89.41	-8,345.1	223.9	678.8	351.0	327.82	2.071		
17,200.0	8,560.8	17,233.9	8,548.8	164.8	165.0	-89.41	-8,395.1	223.2	678.9	349.1	329.73	2.059		
17,250.0	8,560.7	17,283.9	8,548.8	165.8	166.0	-89.41	-8,445.1	222.4	678.9	347.2	331.65	2.047		
17,300.0	8,560.6	17,333.9	8,548.7	166.8	166.9	-89.41	-8,495.1	221.7	678.9	345.3	333.56	2.035		
17,350.0	8,560.6	17,383.9	8,548.6	167.7	167.9	-89.41	-8,545.1	220.9	678.9	343.4	335.48	2.024		
17,400.0	8,560.5	17,433.9	8,548.5	168.7	168.9	-89.41	-8,595.1	220.2	678.9	341.5	337.39	2.012		
17,450.0	8,560.4	17,483.9	8,548.4	169.6	169.8	-89.41	-8,645.1	219.5	678.9	339.6	339.31	2.001		
17,500.0	8,560.3	17,533.9	8,548.3	170.6	170.8	-89.41	-8,695.0	218.7	678.9	337.6	341.22	1.990		
17,550.0	8,560.2	17,583.9	8,548.3	171.5	171.7	-89.41	-8,745.0	218.0	678.9	335.7	343.14	1.978		
17,600.0	8,560.2	17,633.9	8,548.2	172.5	172.7	-89.41	-8,795.0	217.2	678.9	333.8	345.05	1.967		
17,650.0	8,560.1	17,683.9	8,548.1	173.5	173.6	-89.41	-8,845.0	216.5	678.9	331.9	346.97	1.957		
17,700.0	8,560.0	17,733.9	8,548.0	174.4	174.6	-89.41	-8,895.0	215.7	678.9	330.0	348.88	1.946		
17,750.0	8,559.9	17,783.9	8,547.9	175.4	175.6	-89.41	-8,945.0	215.0	678.9	328.1	350.80	1.935		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference														
Offset														
Semi Major Axis														
Distance														
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
17,800.0	8,559.8	17,833.9	8,547.8	176.3	176.5	-89.41	-8,995.0	214.3	678.9	326.2	352.72	1.925		
17,850.0	8,559.8	17,883.9	8,547.7	177.3	177.5	-89.41	-9,045.0	213.5	678.9	324.3	354.63	1.914		
17,900.0	8,559.7	17,933.9	8,547.7	178.2	178.4	-89.41	-9,095.0	212.8	678.9	322.3	356.55	1.904		
17,950.0	8,559.6	17,983.9	8,547.6	179.2	179.4	-89.41	-9,145.0	212.0	678.9	320.4	358.46	1.894		
18,000.0	8,559.5	18,033.9	8,547.5	180.2	180.3	-89.41	-9,195.0	211.3	678.9	318.5	360.38	1.884		
18,050.0	8,559.4	18,083.9	8,547.4	181.1	181.3	-89.41	-9,245.0	210.5	678.9	316.6	362.30	1.874		
18,100.0	8,559.4	18,133.9	8,547.3	182.1	182.3	-89.41	-9,295.0	209.8	678.9	314.7	364.21	1.864		
18,150.0	8,559.3	18,183.9	8,547.2	183.0	183.2	-89.41	-9,345.0	209.1	678.9	312.8	366.13	1.854		
18,200.0	8,559.2	18,233.9	8,547.1	184.0	184.2	-89.41	-9,395.0	208.3	678.9	310.9	368.05	1.845		
18,250.0	8,559.1	18,283.9	8,547.1	184.9	185.1	-89.40	-9,445.0	207.6	678.9	308.9	369.96	1.835		
18,268.1	8,559.1	18,302.0	8,547.0	185.3	185.5	-89.40	-9,463.0	207.3	678.9	308.2	370.66	1.832		
18,300.0	8,559.0	18,315.6	8,547.0	185.9	185.7	-89.40	-9,476.7	207.1	679.1	307.6	371.53	1.828 SF		
18,317.3	8,559.0	18,315.6	8,547.0	186.2	185.7	-89.40	-9,476.7	207.1	679.8	308.0	371.86	1.828		

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	4.0	4.0	0.0	0.0	-93.43	-3.6	-60.7	60.8	60.8	0.00	N/A		
50.0	50.0	54.0	54.0	0.1	0.1	-93.43	-3.6	-60.7	60.8	60.7	0.12	520.112		
100.0	100.0	104.0	104.0	0.1	0.1	-93.43	-3.6	-60.7	60.8	60.6	0.23	260.261		
150.0	150.0	154.0	154.0	0.2	0.2	-93.43	-3.6	-60.7	60.8	60.4	0.46	132.682		
200.0	200.0	204.0	204.0	0.3	0.3	-93.43	-3.6	-60.7	60.8	60.2	0.68	89.037		
250.0	250.0	254.0	254.0	0.4	0.5	-93.43	-3.6	-60.7	60.8	59.9	0.91	66.998		
300.0	300.0	304.0	304.0	0.6	0.6	-93.43	-3.6	-60.7	60.8	59.7	1.13	53.705		
350.0	350.0	354.0	354.0	0.7	0.7	-93.43	-3.6	-60.7	60.8	59.5	1.36	44.813		
400.0	400.0	404.0	404.0	0.8	0.8	-93.43	-3.6	-60.7	60.8	59.3	1.58	38.448		
450.0	450.0	454.0	454.0	0.9	0.9	-93.43	-3.6	-60.7	60.8	59.0	1.81	33.666		
500.0	500.0	504.0	504.0	1.0	1.0	-93.43	-3.6	-60.7	60.8	58.8	2.03	29.941		
550.0	550.0	554.0	554.0	1.1	1.1	-93.43	-3.6	-60.7	60.8	58.6	2.26	26.959		
581.9	581.9	585.9	585.9	1.2	1.2	-93.43	-3.6	-60.7	60.8	58.4	2.40	25.349 CC		
600.0	600.0	603.9	603.9	1.2	1.2	-93.43	-3.6	-60.7	60.8	58.4	2.48	24.522 ES		
650.0	650.0	653.3	653.3	1.3	1.4	-93.26	-3.5	-61.1	61.2	58.5	2.70	22.647		
700.0	700.0	702.6	702.5	1.5	1.5	-92.80	-3.0	-62.0	62.1	59.1	2.92	21.247		
750.0	750.0	751.8	751.8	1.6	1.6	-92.07	-2.3	-63.4	63.5	60.4	3.14	20.231		
800.0	800.0	801.0	800.9	1.7	1.7	-91.12	-1.3	-65.5	65.5	62.2	3.36	19.520		
850.0	850.0	850.2	850.0	1.8	1.8	-89.99	0.0	-68.1	68.2	64.6	3.58	19.049		
900.0	900.0	900.0	899.7	1.9	1.9	-88.71	1.6	-71.3	71.4	67.6	3.80	18.787		
950.0	950.0	948.2	947.7	2.0	2.0	-87.38	3.4	-74.9	75.3	71.2	4.02	18.708		
1,000.0	1,000.0	997.1	996.3	2.1	2.1	-86.00	5.5	-79.2	79.8	75.5	4.25	18.782		
1,050.0	1,050.0	1,045.8	1,044.8	2.2	2.3	-51.80	7.9	-84.0	84.7	80.2	4.46	18.964		
1,100.0	1,100.0	1,094.5	1,093.1	2.4	2.4	-50.84	10.6	-89.3	89.8	85.1	4.69	19.163		
1,150.0	1,150.0	1,143.1	1,141.3	2.5	2.5	-50.14	13.5	-95.2	95.1	90.2	4.91	19.377		
1,200.0	1,199.9	1,191.6	1,189.2	2.6	2.7	-49.68	16.7	-101.7	100.7	95.5	5.13	19.610		
1,250.0	1,249.8	1,240.0	1,237.0	2.7	2.8	-49.41	20.2	-108.6	106.4	101.0	5.36	19.840		
1,300.0	1,299.7	1,288.4	1,284.7	2.8	3.0	-49.30	23.9	-116.1	112.2	106.6	5.59	20.083		
1,350.0	1,349.5	1,336.6	1,332.1	2.9	3.2	-49.34	27.9	-124.1	118.3	112.5	5.82	20.313		
1,400.0	1,399.3	1,384.8	1,379.3	3.0	3.3	-49.49	32.1	-132.7	124.5	118.4	6.06	20.551		
1,450.0	1,449.0	1,432.9	1,426.3	3.2	3.5	-49.75	36.6	-141.7	130.9	124.6	6.30	20.771		
1,500.0	1,498.6	1,481.8	1,474.0	3.3	3.7	-50.12	41.4	-151.4	137.3	130.8	6.55	20.971		
1,550.0	1,548.1	1,531.4	1,522.4	3.4	3.9	-50.65	46.3	-161.2	143.4	136.6	6.81	21.065		
1,600.0	1,597.5	1,581.0	1,570.8	3.6	4.1	-51.33	51.2	-171.0	149.1	142.1	7.07	21.092		
1,650.0	1,646.9	1,630.7	1,619.2	3.7	4.3	-52.16	56.1	-180.9	154.5	147.1	7.34	21.037		
1,700.0	1,696.1	1,680.4	1,667.7	3.9	4.6	-53.09	61.0	-190.7	159.6	152.0	7.63	20.922		
1,750.0	1,745.4	1,730.0	1,716.1	4.0	4.8	-53.98	65.9	-200.5	164.8	156.8	7.92	20.794		
1,800.0	1,794.7	1,779.7	1,764.5	4.2	5.0	-54.82	70.8	-210.4	170.0	161.7	8.22	20.674		
1,850.0	1,843.9	1,829.4	1,813.0	4.3	5.2	-55.60	75.7	-220.2	175.2	166.7	8.53	20.544		
1,900.0	1,893.2	1,879.0	1,861.4	4.5	5.4	-56.34	80.6	-230.1	180.4	171.6	8.84	20.421		
1,950.0	1,942.4	1,928.7	1,909.9	4.7	5.7	-57.03	85.5	-239.9	185.7	176.6	9.15	20.293		
2,000.0	1,991.7	1,978.4	1,958.3	4.8	5.9	-57.69	90.4	-249.8	191.1	181.6	9.47	20.169		
2,050.0	2,041.0	2,028.1	2,006.7	5.0	6.1	-58.31	95.3	-259.6	196.4	186.6	9.80	20.043		
2,100.0	2,090.2	2,077.7	2,055.2	5.2	6.4	-58.90	100.2	-269.4	201.7	191.6	10.13	19.922		
2,150.0	2,139.5	2,127.4	2,103.6	5.4	6.6	-59.46	105.1	-279.3	207.1	196.7	10.46	19.801		
2,200.0	2,188.8	2,177.1	2,152.0	5.5	6.8	-59.99	110.0	-289.1	212.5	201.7	10.80	19.685		
2,250.0	2,238.0	2,226.7	2,200.5	5.7	7.0	-60.50	114.8	-299.0	217.9	206.8	11.14	19.569		
2,300.0	2,287.3	2,276.4	2,248.9	5.9	7.3	-60.98	119.7	-308.8	223.4	211.9	11.48	19.459		
2,350.0	2,336.6	2,326.1	2,297.4	6.1	7.5	-61.44	124.6	-318.6	228.8	217.0	11.83	19.350		
2,400.0	2,385.8	2,375.8	2,345.8	6.3	7.7	-61.87	129.5	-328.5	234.3	222.1	12.17	19.245		
2,450.0	2,435.1	2,425.4	2,394.2	6.4	8.0	-62.29	134.4	-338.3	239.8	227.2	12.52	19.142		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla											Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
2,500.0	2,484.3	2,475.1	2,442.7	6.6	8.2	-62.68	139.3	-348.2	245.2	232.4	12.88	19.044			
2,550.0	2,533.6	2,524.8	2,491.1	6.8	8.4	-63.07	144.2	-358.0	250.7	237.5	13.23	18.947			
2,600.0	2,582.9	2,574.4	2,539.6	7.0	8.7	-63.43	149.1	-367.9	256.2	242.7	13.59	18.855			
2,650.0	2,632.1	2,624.1	2,588.0	7.2	8.9	-63.78	154.0	-377.7	261.8	247.8	13.95	18.765			
2,700.0	2,681.4	2,673.8	2,636.4	7.4	9.2	-64.11	158.9	-387.5	267.3	253.0	14.31	18.678			
2,750.0	2,730.7	2,723.4	2,684.9	7.5	9.4	-64.43	163.8	-397.4	272.8	258.1	14.67	18.594			
2,800.0	2,779.9	2,773.1	2,733.3	7.7	9.6	-64.74	168.7	-407.2	278.4	263.3	15.04	18.513			
2,850.0	2,829.2	2,822.8	2,781.7	7.9	9.9	-65.04	173.6	-417.1	283.9	268.5	15.40	18.434			
2,900.0	2,878.4	2,872.5	2,830.2	8.1	10.1	-65.32	178.5	-426.9	289.5	273.7	15.77	18.358			
2,950.0	2,927.7	2,922.1	2,878.6	8.3	10.3	-65.59	183.4	-436.7	295.0	278.9	16.14	18.284			
3,000.0	2,977.0	2,971.8	2,927.1	8.5	10.6	-65.86	188.3	-446.6	300.6	284.1	16.50	18.213			
3,050.0	3,026.2	3,021.5	2,975.5	8.7	10.8	-66.11	193.2	-456.4	306.2	289.3	16.87	18.144			
3,100.0	3,075.5	3,071.1	3,023.9	8.9	11.0	-66.36	198.1	-466.3	311.8	294.5	17.25	18.077			
3,150.0	3,124.8	3,120.8	3,072.4	9.0	11.3	-66.59	203.0	-476.1	317.3	299.7	17.62	18.013			
3,200.0	3,174.0	3,170.5	3,120.8	9.2	11.5	-66.82	207.8	-486.0	322.9	304.9	17.99	17.950			
3,250.0	3,223.3	3,220.1	3,169.3	9.4	11.8	-67.04	212.7	-495.8	328.5	310.2	18.36	17.890			
3,300.0	3,272.6	3,269.8	3,217.7	9.6	12.0	-67.25	217.6	-505.6	334.1	315.4	18.74	17.831			
3,350.0	3,321.8	3,319.5	3,266.1	9.8	12.2	-67.46	222.5	-515.5	339.7	320.6	19.11	17.774			
3,400.0	3,371.1	3,369.2	3,314.6	10.0	12.5	-67.66	227.4	-525.3	345.4	325.9	19.49	17.719			
3,450.0	3,420.3	3,418.8	3,363.0	10.2	12.7	-67.85	232.3	-535.2	351.0	331.1	19.87	17.666			
3,500.0	3,469.6	3,468.5	3,411.5	10.4	12.9	-68.04	237.2	-545.0	356.6	336.3	20.24	17.614			
3,550.0	3,518.9	3,518.2	3,459.9	10.6	13.2	-68.22	242.1	-554.8	362.2	341.6	20.62	17.564			
3,600.0	3,568.1	3,567.8	3,508.3	10.8	13.4	-68.40	247.0	-564.7	367.8	346.8	21.00	17.515			
3,650.0	3,617.4	3,617.5	3,556.8	10.9	13.7	-68.57	251.9	-574.5	373.5	352.1	21.38	17.468			
3,700.0	3,666.7	3,667.2	3,605.2	11.1	13.9	-68.73	256.8	-584.4	379.1	357.3	21.76	17.422			
3,750.0	3,715.9	3,716.8	3,653.6	11.3	14.1	-68.89	261.7	-594.2	384.7	362.6	22.14	17.377			
3,800.0	3,765.2	3,766.5	3,702.1	11.5	14.4	-69.05	266.6	-604.1	390.4	367.8	22.52	17.334			
3,850.0	3,814.4	3,816.2	3,750.5	11.7	14.6	-69.20	271.5	-613.9	396.0	373.1	22.90	17.292			
3,900.0	3,863.7	3,865.9	3,799.0	11.9	14.9	-69.35	276.4	-623.7	401.7	378.4	23.28	17.251			
3,950.0	3,913.0	3,915.5	3,847.4	12.1	15.1	-69.49	281.3	-633.6	407.3	383.6	23.66	17.211			
4,000.0	3,962.2	3,965.2	3,895.8	12.3	15.3	-69.63	286.2	-643.4	412.9	388.9	24.05	17.173			
4,050.0	4,011.5	4,014.9	3,944.3	12.5	15.6	-69.76	291.1	-653.3	418.6	394.2	24.43	17.135			
4,100.0	4,060.8	4,064.5	3,992.7	12.7	15.8	-69.89	296.0	-663.1	424.3	399.4	24.81	17.098			
4,150.0	4,110.0	4,114.2	4,041.2	12.9	16.1	-70.02	300.9	-672.9	429.9	404.7	25.20	17.063			
4,200.0	4,159.3	4,163.9	4,089.6	13.1	16.3	-70.15	305.7	-682.8	435.6	410.0	25.58	17.028			
4,250.0	4,208.6	4,213.5	4,138.0	13.3	16.5	-70.27	310.6	-692.6	441.2	415.3	25.96	16.994			
4,300.0	4,257.8	4,263.2	4,186.5	13.4	16.8	-70.39	315.5	-702.5	446.9	420.5	26.35	16.961			
4,350.0	4,307.1	4,312.9	4,234.9	13.6	17.0	-70.50	320.4	-712.3	452.5	425.8	26.73	16.929			
4,400.0	4,356.3	4,362.6	4,283.3	13.8	17.3	-70.62	325.3	-722.2	458.2	431.1	27.12	16.898			
4,450.0	4,405.6	4,412.2	4,331.8	14.0	17.5	-70.73	330.2	-732.0	463.9	436.4	27.50	16.867			
4,500.0	4,454.9	4,461.9	4,380.2	14.2	17.7	-70.83	335.1	-741.8	469.5	441.7	27.89	16.837			
4,550.0	4,504.1	4,511.6	4,428.7	14.4	18.0	-70.94	340.0	-751.7	475.2	446.9	28.27	16.808			
4,600.0	4,553.5	4,561.2	4,477.1	14.6	18.2	-71.10	344.9	-761.5	481.0	452.4	28.64	16.794			
4,650.0	4,602.9	4,610.9	4,525.5	14.7	18.5	-71.18	349.8	-771.4	487.1	458.1	28.96	16.817			
4,700.0	4,652.5	4,660.4	4,573.8	14.9	18.7	-71.17	354.7	-781.2	493.4	464.1	29.27	16.858			
4,750.0	4,702.2	4,710.0	4,622.1	15.0	18.9	-71.08	359.6	-791.0	500.0	470.5	29.54	16.925			
4,800.0	4,751.9	4,759.4	4,670.4	15.1	19.2	-70.90	364.4	-800.8	506.9	477.1	29.80	17.009			
4,850.0	4,801.8	4,808.8	4,718.5	15.2	19.4	-70.64	369.3	-810.6	514.2	484.1	30.03	17.120			
4,900.0	4,851.7	4,858.0	4,766.5	15.3	19.6	-70.31	374.2	-820.3	521.7	491.4	30.25	17.248			
4,950.0	4,901.6	4,907.1	4,814.4	15.4	19.9	-69.91	379.0	-830.1	529.5	499.1	30.43	17.403			
5,000.0	4,951.6	4,956.1	4,862.2	15.4	20.1	-69.45	383.8	-839.8	537.8	507.2	30.60	17.576			

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla											Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,050.0	5,001.6	5,005.0	4,909.8	15.5	20.4	-101.84	388.6	-849.4	546.3	515.5	30.90	17.683			
5,100.0	5,051.6	5,053.7	4,957.4	15.6	20.6	-101.14	393.4	-859.1	555.2	524.1	31.02	17.898			
5,150.0	5,101.6	5,102.5	5,004.9	15.7	20.8	-100.46	398.2	-868.8	564.0	532.9	31.15	18.109			
5,200.0	5,151.6	5,151.2	5,052.5	15.7	21.1	-99.80	403.0	-878.4	573.0	541.7	31.28	18.320			
5,250.0	5,201.6	5,200.0	5,100.0	15.8	21.3	-99.16	407.9	-888.1	582.0	550.6	31.41	18.531			
5,300.0	5,251.6	5,248.8	5,147.6	15.9	21.5	-98.54	412.7	-897.7	591.2	559.6	31.54	18.741			
5,350.0	5,301.6	5,297.5	5,195.1	16.0	21.8	-97.94	417.5	-907.4	600.3	568.6	31.68	18.950			
5,400.0	5,351.6	5,346.3	5,242.7	16.1	22.0	-97.36	422.3	-917.1	609.6	577.7	31.82	19.159			
5,450.0	5,401.6	5,395.0	5,290.2	16.1	22.2	-96.79	427.1	-926.7	618.9	586.9	31.95	19.367			
5,500.0	5,451.6	5,443.8	5,337.8	16.2	22.5	-96.24	431.9	-936.4	628.2	596.1	32.09	19.573			
5,550.0	5,501.6	5,497.2	5,389.9	16.3	22.7	-95.67	437.1	-946.9	637.5	605.3	32.24	19.777			
5,600.0	5,551.6	5,557.7	5,449.2	16.4	22.9	-95.08	442.6	-957.9	646.2	613.8	32.36	19.968			
5,650.0	5,601.6	5,618.8	5,509.2	16.5	23.1	-94.57	447.5	-967.8	654.0	621.5	32.50	20.124			
5,700.0	5,651.6	5,680.3	5,569.9	16.5	23.3	-94.12	451.9	-976.7	660.9	628.3	32.64	20.250			
5,750.0	5,701.6	5,742.3	5,631.3	16.6	23.5	-93.74	455.8	-984.4	667.0	634.2	32.78	20.344			
5,800.0	5,751.6	5,804.5	5,693.1	16.7	23.6	-93.43	459.0	-991.0	672.1	639.1	32.94	20.404			
5,850.0	5,801.6	5,867.1	5,755.4	16.8	23.7	-93.17	461.7	-996.4	676.3	643.2	33.09	20.435			
5,900.0	5,851.6	5,929.9	5,818.0	16.9	23.9	-92.98	463.8	-1,000.5	679.5	646.2	33.25	20.434			
5,950.0	5,901.6	5,992.9	5,880.9	17.0	24.0	-92.84	465.3	-1,003.5	681.8	648.4	33.42	20.401			
6,000.0	5,951.6	6,056.0	5,944.0	17.0	24.0	-92.76	466.1	-1,005.2	683.1	649.5	33.59	20.340			
6,050.0	6,001.6	6,117.7	6,005.6	17.1	24.1	-92.74	466.4	-1,005.7	683.5	649.7	33.76	20.247			
6,100.0	6,051.6	6,167.7	6,055.6	17.2	24.2	-92.74	466.4	-1,005.7	683.5	649.6	33.92	20.150			
6,150.0	6,101.6	6,217.7	6,105.6	17.3	24.2	-92.74	466.4	-1,005.7	683.5	649.4	34.08	20.054			
6,200.0	6,151.6	6,267.7	6,155.6	17.4	24.3	-92.74	466.4	-1,005.7	683.5	649.3	34.25	19.956			
6,250.0	6,201.6	6,317.7	6,205.6	17.5	24.3	-92.74	466.4	-1,005.7	683.5	649.1	34.42	19.859			
6,300.0	6,251.6	6,367.7	6,255.6	17.5	24.4	-92.74	466.4	-1,005.7	683.5	648.9	34.59	19.762			
6,350.0	6,301.6	6,417.7	6,305.6	17.6	24.5	-92.74	466.4	-1,005.7	683.5	648.8	34.76	19.666			
6,400.0	6,351.6	6,467.7	6,355.6	17.7	24.5	-92.74	466.4	-1,005.7	683.5	648.6	34.93	19.571			
6,450.0	6,401.6	6,517.7	6,405.6	17.8	24.6	-92.74	466.4	-1,005.7	683.5	648.4	35.10	19.476			
6,500.0	6,451.6	6,567.7	6,455.6	17.9	24.7	-92.74	466.4	-1,005.7	683.5	648.2	35.27	19.381			
6,550.0	6,501.6	6,617.7	6,505.6	18.0	24.7	-92.74	466.4	-1,005.7	683.5	648.1	35.44	19.288			
6,600.0	6,551.6	6,667.7	6,555.6	18.1	24.8	-92.74	466.4	-1,005.7	683.5	647.9	35.61	19.195			
6,650.0	6,601.6	6,717.7	6,605.6	18.2	24.8	-92.74	466.4	-1,005.7	683.5	647.7	35.78	19.102			
6,700.0	6,651.6	6,767.7	6,655.6	18.2	24.9	-92.74	466.4	-1,005.7	683.5	647.6	35.96	19.010			
6,750.0	6,701.6	6,817.7	6,705.6	18.3	25.0	-92.74	466.4	-1,005.7	683.5	647.4	36.13	18.919			
6,800.0	6,751.6	6,867.7	6,755.6	18.4	25.0	-92.74	466.4	-1,005.7	683.5	647.2	36.30	18.828			
6,850.0	6,801.6	6,917.7	6,805.6	18.5	25.1	-92.74	466.4	-1,005.7	683.5	647.0	36.48	18.738			
6,900.0	6,851.6	6,967.7	6,855.6	18.6	25.2	-92.74	466.4	-1,005.7	683.5	646.9	36.65	18.648			
6,950.0	6,901.6	7,017.7	6,905.6	18.7	25.2	-92.74	466.4	-1,005.7	683.5	646.7	36.83	18.559			
7,000.0	6,951.6	7,067.7	6,955.6	18.8	25.3	-92.74	466.4	-1,005.7	683.5	646.5	37.01	18.471			
7,050.0	7,001.6	7,117.7	7,005.6	18.9	25.4	-92.74	466.4	-1,005.7	683.5	646.3	37.18	18.383			
7,100.0	7,051.6	7,167.7	7,055.6	19.0	25.4	-92.74	466.4	-1,005.7	683.5	646.1	37.36	18.295			
7,150.0	7,101.6	7,217.7	7,105.6	19.0	25.5	-92.74	466.4	-1,005.7	683.5	646.0	37.54	18.209			
7,200.0	7,151.6	7,267.7	7,155.6	19.1	25.6	-92.74	466.4	-1,005.7	683.5	645.8	37.72	18.123			
7,250.0	7,201.6	7,317.7	7,205.6	19.2	25.6	-92.74	466.4	-1,005.7	683.5	645.6	37.89	18.037			
7,300.0	7,251.6	7,367.7	7,255.6	19.3	25.7	-92.74	466.4	-1,005.7	683.5	645.4	38.07	17.952			
7,350.0	7,301.6	7,417.7	7,305.6	19.4	25.8	-92.74	466.4	-1,005.7	683.5	645.3	38.25	17.868			
7,400.0	7,351.6	7,467.7	7,355.6	19.5	25.8	-92.74	466.4	-1,005.7	683.5	645.1	38.43	17.784			
7,450.0	7,401.6	7,517.7	7,405.6	19.6	25.9	-92.74	466.4	-1,005.7	683.5	644.9	38.62	17.701			
7,500.0	7,451.6	7,567.7	7,455.6	19.7	26.0	-92.74	466.4	-1,005.7	683.5	644.7	38.80	17.618			
7,550.0	7,501.6	7,617.7	7,505.6	19.8	26.1	-92.74	466.4	-1,005.7	683.5	644.5	38.98	17.536			

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla										Offset Site Error:		0.0 ft
Survey Program:		0-MWD										Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
7,600.0	7,551.6	7,667.7	7,555.6	19.9	26.1	-92.74	466.4	-1,005.7	683.5	644.3	39.16	17.454		
7,650.0	7,601.6	7,717.7	7,605.6	20.0	26.2	-92.74	466.4	-1,005.7	683.5	644.2	39.34	17.373		
7,700.0	7,651.6	7,767.7	7,655.6	20.1	26.3	-92.74	466.4	-1,005.7	683.5	644.0	39.53	17.293		
7,750.0	7,701.6	7,817.7	7,705.6	20.1	26.3	-92.74	466.4	-1,005.7	683.5	643.8	39.71	17.213		
7,800.0	7,751.6	7,867.7	7,755.6	20.2	26.4	-92.74	466.4	-1,005.7	683.5	643.6	39.89	17.134		
7,850.0	7,801.6	7,917.7	7,805.6	20.3	26.5	-92.74	466.4	-1,005.7	683.5	643.4	40.08	17.055		
7,900.0	7,851.6	7,967.7	7,855.6	20.4	26.5	-92.74	466.4	-1,005.7	683.5	643.2	40.26	16.977		
7,950.0	7,901.6	8,015.6	7,903.5	20.5	26.6	86.42	465.5	-1,005.7	683.5	643.2	40.26	16.976		
8,000.0	7,951.4	8,062.8	7,950.6	20.5	26.6	86.47	461.6	-1,005.8	683.4	643.1	40.34	16.941		
8,050.0	8,000.7	8,110.1	7,997.4	20.6	26.7	86.55	454.5	-1,005.9	683.4	643.0	40.37	16.927		
8,100.0	8,049.3	8,157.5	8,043.6	20.6	26.7	86.63	444.4	-1,006.0	683.3	642.9	40.35	16.934		
8,150.0	8,096.9	8,204.9	8,089.2	20.5	26.7	86.74	431.3	-1,006.2	683.2	642.9	40.28	16.960		
8,200.0	8,143.5	8,252.4	8,133.8	20.5	26.6	86.86	415.1	-1,006.4	683.1	642.9	40.18	17.001		
8,250.0	8,188.6	8,300.0	8,177.4	20.5	26.6	86.99	396.0	-1,006.7	683.0	643.0	40.04	17.056		
8,300.0	8,232.1	8,347.7	8,219.7	20.4	26.6	87.14	374.0	-1,007.0	682.9	643.0	39.88	17.122		
8,350.0	8,273.8	8,395.5	8,260.5	20.3	26.5	87.30	349.1	-1,007.4	682.8	643.0	39.71	17.193		
8,400.0	8,313.4	8,443.4	8,299.7	20.2	26.5	87.47	321.5	-1,007.8	682.6	643.1	39.54	17.266		
8,450.0	8,350.9	8,491.4	8,337.0	20.2	26.4	87.66	291.3	-1,008.2	682.5	643.1	39.37	17.337		
8,500.0	8,385.9	8,539.6	8,372.3	20.1	26.3	87.86	258.5	-1,008.7	682.4	643.1	39.22	17.400		
8,550.0	8,418.4	8,588.0	8,405.4	20.0	26.3	88.07	223.3	-1,009.1	682.2	643.1	39.09	17.451		
8,600.0	8,448.1	8,636.5	8,436.2	19.9	26.2	88.28	185.9	-1,009.7	682.1	643.1	39.01	17.484		
8,650.0	8,474.9	8,685.1	8,464.5	19.8	26.2	88.51	146.3	-1,010.2	682.0	643.0	38.98	17.495		
8,700.0	8,498.8	8,734.0	8,490.1	19.8	26.1	88.74	104.7	-1,010.8	681.9	642.9	39.01	17.481		
8,750.0	8,519.5	8,783.0	8,512.9	19.7	26.0	88.98	61.3	-1,011.4	681.7	642.6	39.10	17.437		
8,800.0	8,537.0	8,832.2	8,532.7	19.7	26.0	89.23	16.3	-1,012.1	681.6	642.4	39.26	17.362		
8,850.0	8,551.2	8,881.6	8,549.5	19.6	26.0	89.48	-30.1	-1,012.7	681.6	642.1	39.50	17.255		
8,900.0	8,562.0	8,931.2	8,563.1	19.6	26.0	89.73	-77.8	-1,013.4	681.5	641.7	39.82	17.115		
8,950.0	8,569.4	8,981.0	8,573.3	19.8	26.0	89.98	-126.5	-1,014.1	681.4	641.2	40.21	16.947		
9,000.0	8,573.3	9,031.0	8,580.2	20.1	26.0	90.24	-176.1	-1,014.8	681.3	640.7	40.68	16.749		
9,050.0	8,574.0	9,081.2	8,583.6	20.4	26.1	90.47	-226.2	-1,015.5	681.3	640.1	41.22	16.529		
9,100.0	8,573.9	9,131.0	8,584.0	20.8	26.2	90.51	-276.0	-1,016.2	681.3	639.5	41.79	16.303		
9,150.0	8,573.8	9,181.0	8,583.9	21.2	26.3	90.51	-326.0	-1,016.9	681.3	638.8	42.45	16.048		
9,200.0	8,573.7	9,231.0	8,583.8	21.6	26.5	90.51	-376.0	-1,017.7	681.3	638.1	43.20	15.770		
9,250.0	8,573.6	9,281.0	8,583.7	22.1	26.8	90.51	-426.0	-1,018.4	681.2	637.2	44.07	15.460		
9,300.0	8,573.6	9,331.0	8,583.7	22.5	27.0	90.51	-476.0	-1,019.1	681.2	636.3	44.97	15.148		
9,350.0	8,573.5	9,381.0	8,583.6	23.1	27.3	90.51	-525.9	-1,019.9	681.2	635.3	45.97	14.820		
9,400.0	8,573.4	9,431.0	8,583.5	23.6	27.7	90.51	-575.9	-1,020.6	681.2	634.2	47.00	14.495		
9,450.0	8,573.3	9,481.0	8,583.4	24.2	28.1	90.51	-625.9	-1,021.3	681.2	633.1	48.10	14.162		
9,500.0	8,573.2	9,531.0	8,583.4	24.8	28.5	90.51	-675.9	-1,022.0	681.2	631.9	49.24	13.834		
9,550.0	8,573.2	9,581.0	8,583.3	25.4	29.0	90.51	-725.9	-1,022.8	681.2	630.7	50.44	13.504		
9,600.0	8,573.1	9,631.0	8,583.2	26.0	29.4	90.52	-775.9	-1,023.5	681.2	629.5	51.67	13.182		
9,650.0	8,573.0	9,681.0	8,583.1	26.7	30.0	90.52	-825.9	-1,024.2	681.1	628.2	52.96	12.862		
9,700.0	8,572.9	9,731.0	8,583.1	27.3	30.5	90.52	-875.9	-1,025.0	681.1	626.9	54.27	12.551		
9,750.0	8,572.8	9,781.0	8,583.0	28.0	31.1	90.52	-925.9	-1,025.7	681.1	625.5	55.63	12.244		
9,800.0	8,572.8	9,831.0	8,582.9	28.7	31.7	90.52	-975.9	-1,026.4	681.1	624.1	57.01	11.947		
9,850.0	8,572.7	9,881.0	8,582.8	29.5	32.3	90.52	-1,025.9	-1,027.2	681.1	622.7	58.43	11.656		
9,900.0	8,572.6	9,931.0	8,582.8	30.2	32.9	90.52	-1,075.9	-1,027.9	681.1	621.2	59.87	11.375		
9,950.0	8,572.5	9,981.0	8,582.7	30.9	33.6	90.52	-1,125.9	-1,028.6	681.1	619.7	61.35	11.101		
10,000.0	8,572.4	10,031.0	8,582.6	31.7	34.3	90.52	-1,175.9	-1,029.4	681.0	618.2	62.84	10.837		
10,050.0	8,572.4	10,081.0	8,582.5	32.5	35.0	90.52	-1,225.9	-1,030.1	681.0	616.7	64.37	10.580		
10,100.0	8,572.3	10,131.0	8,582.5	33.2	35.7	90.52	-1,275.9	-1,030.8	681.0	615.1	65.90	10.333		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,150.0	8,572.2	10,181.0	8,582.4	34.0	36.4	90.52	90.52	-1,325.9	-1,031.6	681.0	613.5	67.47	10.094	
10,200.0	8,572.1	10,231.0	8,582.3	34.8	37.1	90.52	90.52	-1,375.9	-1,032.3	681.0	612.0	69.05	9.863	
10,250.0	8,572.0	10,281.0	8,582.2	35.6	37.8	90.52	90.52	-1,425.8	-1,033.0	681.0	610.3	70.65	9.639	
10,300.0	8,572.0	10,331.0	8,582.2	36.4	38.6	90.52	90.52	-1,475.8	-1,033.7	681.0	608.7	72.26	9.424	
10,350.0	8,571.9	10,381.0	8,582.1	37.2	39.4	90.52	90.52	-1,525.8	-1,034.5	681.0	607.1	73.89	9.216	
10,400.0	8,571.8	10,431.0	8,582.0	38.1	40.1	90.52	90.52	-1,575.8	-1,035.2	680.9	605.4	75.53	9.016	
10,450.0	8,571.7	10,481.0	8,581.9	38.9	40.9	90.52	90.52	-1,625.8	-1,035.9	680.9	603.7	77.18	8.822	
10,500.0	8,571.6	10,531.0	8,581.8	39.7	41.7	90.52	90.52	-1,675.8	-1,036.7	680.9	602.1	78.85	8.636	
10,550.0	8,571.5	10,581.0	8,581.8	40.6	42.5	90.52	90.52	-1,725.8	-1,037.4	680.9	600.4	80.53	8.455	
10,600.0	8,571.5	10,631.0	8,581.7	41.4	43.3	90.52	90.52	-1,775.8	-1,038.1	680.9	598.7	82.22	8.281	
10,650.0	8,571.4	10,681.0	8,581.6	42.3	44.1	90.52	90.52	-1,825.8	-1,038.9	680.9	597.0	83.92	8.113	
10,700.0	8,571.3	10,731.0	8,581.5	43.1	44.9	90.53	90.53	-1,875.8	-1,039.6	680.9	595.2	85.63	7.951	
10,750.0	8,571.2	10,781.0	8,581.5	44.0	45.7	90.53	90.53	-1,925.8	-1,040.3	680.9	593.5	87.35	7.794	
10,800.0	8,571.1	10,831.0	8,581.4	44.8	46.5	90.53	90.53	-1,975.8	-1,041.1	680.8	591.8	89.08	7.643	
10,850.0	8,571.1	10,881.0	8,581.3	45.7	47.4	90.53	90.53	-2,025.8	-1,041.8	680.8	590.0	90.82	7.497	
10,900.0	8,571.0	10,931.0	8,581.2	46.6	48.2	90.53	90.53	-2,075.8	-1,042.5	680.8	588.3	92.56	7.356	
10,950.0	8,570.9	10,981.0	8,581.2	47.5	49.0	90.53	90.53	-2,125.8	-1,043.3	680.8	586.5	94.31	7.219	
11,000.0	8,570.8	11,031.0	8,581.1	48.3	49.9	90.53	90.53	-2,175.8	-1,044.0	680.8	584.7	96.07	7.087	
11,050.0	8,570.7	11,081.0	8,581.0	49.2	50.7	90.53	90.53	-2,225.8	-1,044.7	680.8	582.9	97.83	6.959	
11,100.0	8,570.7	11,131.0	8,580.9	50.1	51.6	90.53	90.53	-2,275.8	-1,045.4	680.8	581.2	99.60	6.835	
11,150.0	8,570.6	11,181.0	8,580.9	51.0	52.4	90.53	90.53	-2,325.7	-1,046.2	680.8	579.4	101.38	6.715	
11,200.0	8,570.5	11,231.0	8,580.8	51.9	53.3	90.53	90.53	-2,375.7	-1,046.9	680.7	577.6	103.16	6.599	
11,250.0	8,570.4	11,281.0	8,580.7	52.8	54.2	90.53	90.53	-2,425.7	-1,047.6	680.7	575.8	104.94	6.487	
11,300.0	8,570.3	11,331.0	8,580.6	53.7	55.0	90.53	90.53	-2,475.7	-1,048.4	680.7	574.0	106.73	6.378	
11,350.0	8,570.3	11,381.0	8,580.6	54.6	55.9	90.53	90.53	-2,525.7	-1,049.1	680.7	572.2	108.53	6.272	
11,400.0	8,570.2	11,431.0	8,580.5	55.5	56.8	90.53	90.53	-2,575.7	-1,049.8	680.7	570.4	110.33	6.170	
11,450.0	8,570.1	11,481.0	8,580.4	56.4	57.6	90.53	90.53	-2,625.7	-1,050.6	680.7	568.5	112.14	6.070	
11,500.0	8,570.0	11,531.0	8,580.3	57.3	58.5	90.53	90.53	-2,675.7	-1,051.3	680.7	566.7	113.94	5.974	
11,550.0	8,569.9	11,581.0	8,580.3	58.2	59.4	90.53	90.53	-2,725.7	-1,052.0	680.7	564.9	115.76	5.880	
11,600.0	8,569.9	11,631.0	8,580.2	59.1	60.3	90.53	90.53	-2,775.7	-1,052.8	680.6	563.1	117.57	5.789	
11,650.0	8,569.8	11,681.0	8,580.1	60.0	61.2	90.53	90.53	-2,825.7	-1,053.5	680.6	561.2	119.39	5.701	
11,700.0	8,569.7	11,731.0	8,580.0	60.9	62.1	90.53	90.53	-2,875.7	-1,054.2	680.6	559.4	121.21	5.615	
11,750.0	8,569.6	11,781.0	8,580.0	61.8	63.0	90.53	90.53	-2,925.7	-1,055.0	680.6	557.6	123.04	5.531	
11,800.0	8,569.5	11,831.0	8,579.9	62.7	63.8	90.54	90.54	-2,975.7	-1,055.7	680.6	555.7	124.87	5.450	
11,850.0	8,569.4	11,881.0	8,579.8	63.6	64.7	90.54	90.54	-3,025.7	-1,056.4	680.6	553.9	126.70	5.371	
11,900.0	8,569.4	11,931.0	8,579.7	64.5	65.6	90.54	90.54	-3,075.7	-1,057.1	680.6	552.0	128.54	5.295	
11,950.0	8,569.3	11,981.0	8,579.6	65.4	66.5	90.54	90.54	-3,125.7	-1,057.9	680.5	550.2	130.37	5.220	
12,000.0	8,569.2	12,031.0	8,579.5	66.3	67.4	90.54	90.54	-3,175.7	-1,058.6	680.5	548.3	132.21	5.147	
12,050.0	8,569.1	12,081.0	8,579.4	67.2	68.3	90.54	90.54	-3,225.7	-1,059.3	680.5	546.5	134.06	5.076	
12,100.0	8,569.0	12,131.0	8,579.3	68.1	69.2	90.54	90.54	-3,275.7	-1,060.0	680.5	544.6	135.90	5.007	
12,150.0	8,568.9	12,181.0	8,579.2	69.0	70.1	90.54	90.54	-3,325.7	-1,060.8	680.5	542.7	137.75	4.940	
12,200.0	8,568.8	12,231.0	8,579.1	70.0	71.0	90.54	90.54	-3,375.7	-1,061.5	680.5	540.9	139.60	4.875	
12,250.0	8,568.7	12,281.0	8,579.0	70.9	71.9	90.54	90.54	-3,425.7	-1,062.3	680.5	539.0	141.45	4.811	
12,300.0	8,568.6	12,331.0	8,578.9	71.8	72.8	90.54	90.54	-3,475.7	-1,063.0	680.5	537.2	143.30	4.748	
12,350.0	8,568.5	12,381.0	8,578.8	72.7	73.7	90.54	90.54	-3,525.7	-1,063.7	680.4	535.3	145.16	4.688	
12,400.0	8,568.4	12,431.0	8,578.7	73.6	74.6	90.54	90.54	-3,575.7	-1,064.5	680.4	533.4	147.02	4.628	
12,450.0	8,568.3	12,481.0	8,578.6	74.5	75.5	90.54	90.54	-3,625.7	-1,065.2	680.4	531.5	148.88	4.570	
12,500.0	8,568.2	12,531.0	8,578.5	75.4	76.4	90.54	90.54	-3,675.7	-1,065.9	680.4	529.7	150.74	4.514	
12,550.0	8,568.1	12,581.0	8,578.4	76.3	77.3	90.54	90.54	-3,725.7	-1,066.7	680.4	527.8	152.60	4.459	
12,600.0	8,568.0	12,631.0	8,578.3	77.2	78.2	90.54	90.54	-3,775.7	-1,067.4	680.4	525.9	154.46	4.405	
12,650.0	8,567.9	12,681.0	8,578.2	78.1	79.1	90.54	90.54	-3,825.7	-1,068.1	680.4	524.0	156.33	4.352	

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,700.0	8,568.1	12,731.0	8,578.5	79.4	80.2	90.54	-3,875.6	-1,068.9	680.4	522.2	158.20	4.301		
12,750.0	8,568.0	12,781.0	8,578.5	80.3	81.1	90.54	-3,925.6	-1,069.6	680.3	520.3	160.06	4.250		
12,800.0	8,567.9	12,831.0	8,578.4	81.3	82.0	90.54	-3,975.6	-1,070.3	680.3	518.4	161.93	4.201		
12,850.0	8,567.8	12,881.0	8,578.3	82.2	82.9	90.55	-4,025.6	-1,071.0	680.3	516.5	163.80	4.153		
12,900.0	8,567.8	12,931.0	8,578.2	83.1	83.9	90.55	-4,075.6	-1,071.8	680.3	514.6	165.68	4.106		
12,950.0	8,567.7	12,981.0	8,578.2	84.1	84.8	90.55	-4,125.6	-1,072.5	680.3	512.7	167.55	4.060		
13,000.0	8,567.6	13,031.0	8,578.1	85.0	85.7	90.55	-4,175.5	-1,073.2	680.3	510.9	169.43	4.015		
13,050.0	8,567.5	13,081.0	8,578.0	86.0	86.6	90.55	-4,225.5	-1,074.0	680.3	509.0	171.30	3.971		
13,100.0	8,567.4	13,131.0	8,577.9	86.9	87.6	90.55	-4,275.5	-1,074.7	680.3	507.1	173.18	3.928		
13,150.0	8,567.3	13,181.0	8,577.9	87.8	88.5	90.55	-4,325.5	-1,075.4	680.2	505.2	175.06	3.886		
13,200.0	8,567.3	13,231.0	8,577.8	88.8	89.4	90.55	-4,375.5	-1,076.2	680.2	503.3	176.94	3.844		
13,250.0	8,567.2	13,281.0	8,577.7	89.7	90.4	90.55	-4,425.5	-1,076.9	680.2	501.4	178.82	3.804		
13,300.0	8,567.1	13,331.0	8,577.6	90.7	91.3	90.55	-4,475.5	-1,077.6	680.2	499.5	180.70	3.764		
13,350.0	8,567.0	13,381.0	8,577.5	91.6	92.2	90.55	-4,525.5	-1,078.4	680.2	497.6	182.58	3.725		
13,400.0	8,566.9	13,431.0	8,577.5	92.5	93.1	90.55	-4,575.5	-1,079.1	680.2	495.7	184.46	3.687		
13,450.0	8,566.9	13,481.0	8,577.4	93.5	94.1	90.55	-4,625.5	-1,079.8	680.2	493.8	186.35	3.650		
13,500.0	8,566.8	13,531.0	8,577.3	94.4	95.0	90.55	-4,675.5	-1,080.6	680.2	491.9	188.23	3.613		
13,550.0	8,566.7	13,581.0	8,577.2	95.4	95.9	90.55	-4,725.5	-1,081.3	680.1	490.0	190.12	3.577		
13,600.0	8,566.6	13,631.0	8,577.2	96.3	96.9	90.55	-4,775.5	-1,082.0	680.1	488.1	192.01	3.542		
13,650.0	8,566.5	13,681.0	8,577.1	97.2	97.8	90.55	-4,825.5	-1,082.7	680.1	486.2	193.89	3.508		
13,700.0	8,566.5	13,731.0	8,577.0	98.2	98.7	90.55	-4,875.5	-1,083.5	680.1	484.3	195.78	3.474		
13,750.0	8,566.4	13,781.0	8,576.9	99.1	99.7	90.55	-4,925.5	-1,084.2	680.1	482.4	197.67	3.440		
13,800.0	8,566.3	13,831.0	8,576.9	100.1	100.6	90.55	-4,975.5	-1,084.9	680.1	480.5	199.56	3.408		
13,850.0	8,566.2	13,881.0	8,576.8	101.0	101.5	90.55	-5,025.5	-1,085.7	680.1	478.6	201.45	3.376		
13,900.0	8,566.1	13,931.0	8,576.7	102.0	102.5	90.55	-5,075.5	-1,086.4	680.0	476.7	203.34	3.344		
13,950.0	8,566.1	13,981.0	8,576.6	102.9	103.4	90.56	-5,125.4	-1,087.1	680.0	474.8	205.24	3.313		
14,000.0	8,566.0	14,031.0	8,576.6	103.9	104.4	90.56	-5,175.4	-1,087.9	680.0	472.9	207.13	3.283		
14,050.0	8,565.9	14,081.0	8,576.5	104.8	105.3	90.56	-5,225.4	-1,088.6	680.0	471.0	209.02	3.253		
14,100.0	8,565.8	14,131.0	8,576.4	105.8	106.2	90.56	-5,275.4	-1,089.3	680.0	469.1	210.91	3.224		
14,150.0	8,565.7	14,181.0	8,576.3	106.7	107.2	90.56	-5,325.4	-1,090.1	680.0	467.2	212.81	3.195		
14,200.0	8,565.7	14,231.0	8,576.3	107.7	108.1	90.56	-5,375.4	-1,090.8	680.0	465.3	214.70	3.167		
14,250.0	8,565.6	14,281.0	8,576.2	108.6	109.1	90.56	-5,425.4	-1,091.5	680.0	463.4	216.60	3.139		
14,300.0	8,565.5	14,331.0	8,576.1	109.5	110.0	90.56	-5,475.4	-1,092.3	679.9	461.4	218.50	3.112		
14,350.0	8,565.4	14,381.0	8,576.0	110.5	110.9	90.56	-5,525.4	-1,093.0	679.9	459.5	220.39	3.085		
14,400.0	8,565.3	14,431.0	8,576.0	111.4	111.9	90.56	-5,575.4	-1,093.7	679.9	457.6	222.29	3.059		
14,450.0	8,565.2	14,481.0	8,575.9	112.4	112.8	90.56	-5,625.4	-1,094.4	679.9	455.7	224.19	3.033		
14,500.0	8,565.2	14,531.0	8,575.8	113.3	113.8	90.56	-5,675.4	-1,095.2	679.9	453.8	226.09	3.007		
14,550.0	8,565.1	14,581.0	8,575.7	114.3	114.7	90.56	-5,725.4	-1,095.9	679.9	451.9	227.99	2.982		
14,600.0	8,565.0	14,631.0	8,575.7	115.2	115.6	90.56	-5,775.4	-1,096.6	679.9	450.0	229.88	2.957		
14,650.0	8,564.9	14,681.0	8,575.6	116.2	116.6	90.56	-5,825.4	-1,097.4	679.9	448.1	231.78	2.933		
14,700.0	8,564.8	14,731.0	8,575.5	117.1	117.5	90.56	-5,875.4	-1,098.1	679.8	446.2	233.68	2.909		
14,750.0	8,564.8	14,781.0	8,575.4	118.1	118.5	90.56	-5,925.4	-1,098.8	679.8	444.2	235.58	2.886		
14,800.0	8,564.7	14,831.0	8,575.4	119.0	119.4	90.56	-5,975.4	-1,099.6	679.8	442.3	237.49	2.863		
14,850.0	8,564.6	14,881.0	8,575.3	120.0	120.4	90.56	-6,025.3	-1,100.3	679.8	440.4	239.39	2.840		
14,900.0	8,564.5	14,931.0	8,575.2	120.9	121.3	90.56	-6,075.3	-1,101.0	679.8	438.5	241.29	2.817		
14,950.0	8,564.4	14,981.0	8,575.1	121.9	122.2	90.56	-6,125.3	-1,101.8	679.8	436.6	243.19	2.795		
15,000.0	8,564.4	15,031.0	8,575.1	122.8	123.2	90.56	-6,175.3	-1,102.5	679.8	434.7	245.09	2.773		
15,050.0	8,564.3	15,081.0	8,575.0	123.8	124.1	90.57	-6,225.3	-1,103.2	679.8	432.8	247.00	2.752		
15,100.0	8,564.2	15,131.0	8,574.9	124.7	125.1	90.57	-6,275.3	-1,104.0	679.7	430.8	248.90	2.731		
15,150.0	8,564.1	15,181.0	8,574.8	125.7	126.0	90.57	-6,325.3	-1,104.7	679.7	428.9	250.80	2.710		
15,200.0	8,564.0	15,231.0	8,574.8	126.6	127.0	90.57	-6,375.3	-1,105.4	679.7	427.0	252.71	2.690		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design True Ranch Fee 2326H East Pad Sec.23-T15N-R65W - True Ranch Fee 503-2326H - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,250.0	8,564.0	15,281.0	8,574.7	127.6	127.9	90.57	-6,425.3	-1,106.1	679.7	425.1	254.61	2.670		
15,300.0	8,563.9	15,331.0	8,574.6	128.6	128.9	90.57	-6,475.3	-1,106.9	679.7	423.2	256.52	2.650		
15,350.0	8,563.8	15,381.0	8,574.5	129.5	129.8	90.57	-6,525.3	-1,107.6	679.7	421.3	258.42	2.630		
15,400.0	8,563.7	15,431.0	8,574.5	130.5	130.8	90.57	-6,575.3	-1,108.3	679.7	419.3	260.33	2.611		
15,450.0	8,563.6	15,481.0	8,574.4	131.4	131.7	90.57	-6,625.3	-1,109.1	679.6	417.4	262.23	2.592		
15,500.0	8,563.6	15,531.0	8,574.3	132.4	132.7	90.57	-6,675.3	-1,109.8	679.6	415.5	264.14	2.573		
15,550.0	8,563.5	15,581.0	8,574.2	133.3	133.6	90.57	-6,725.3	-1,110.5	679.6	413.6	266.05	2.555		
15,600.0	8,563.4	15,631.0	8,574.2	134.3	134.6	90.57	-6,775.3	-1,111.3	679.6	411.7	267.95	2.536		
15,650.0	8,563.3	15,681.0	8,574.1	135.2	135.5	90.57	-6,825.3	-1,112.0	679.6	409.7	269.86	2.518		
15,700.0	8,563.2	15,731.0	8,574.0	136.2	136.5	90.57	-6,875.3	-1,112.7	679.6	407.8	271.77	2.501		
15,750.0	8,563.1	15,781.0	8,573.9	137.1	137.4	90.57	-6,925.3	-1,113.5	679.6	405.9	273.68	2.483		
15,800.0	8,563.1	15,831.0	8,573.9	138.1	138.3	90.57	-6,975.2	-1,114.2	679.6	404.0	275.58	2.466		
15,850.0	8,563.0	15,881.0	8,573.8	139.0	139.3	90.57	-7,025.2	-1,114.9	679.5	402.1	277.49	2.449		
15,900.0	8,562.9	15,931.0	8,573.7	140.0	140.2	90.57	-7,075.2	-1,115.7	679.5	400.1	279.40	2.432		
15,950.0	8,562.8	15,981.0	8,573.6	140.9	141.2	90.57	-7,125.2	-1,116.4	679.5	398.2	281.31	2.416		
16,000.0	8,562.7	16,031.0	8,573.6	141.9	142.1	90.57	-7,175.2	-1,117.1	679.5	396.3	283.22	2.399		
16,050.0	8,562.7	16,081.0	8,573.5	142.9	143.1	90.57	-7,225.2	-1,117.9	679.5	394.4	285.13	2.383		
16,100.0	8,562.6	16,131.0	8,573.4	143.8	144.0	90.57	-7,275.2	-1,118.6	679.5	392.4	287.04	2.367		
16,150.0	8,562.5	16,181.0	8,573.3	144.8	145.0	90.58	-7,325.2	-1,119.3	679.5	390.5	288.95	2.352		
16,200.0	8,562.4	16,231.0	8,573.2	145.7	145.9	90.58	-7,375.2	-1,120.0	679.5	388.6	290.86	2.336		
16,250.0	8,562.3	16,281.0	8,573.2	146.7	146.9	90.58	-7,425.2	-1,120.8	679.4	386.7	292.77	2.321		
16,300.0	8,562.3	16,331.0	8,573.1	147.6	147.8	90.58	-7,475.2	-1,121.5	679.4	384.8	294.68	2.306		
16,350.0	8,562.2	16,381.0	8,573.0	148.6	148.8	90.58	-7,525.2	-1,122.2	679.4	382.8	296.59	2.291		
16,400.0	8,562.1	16,431.0	8,572.9	149.5	149.7	90.58	-7,575.2	-1,123.0	679.4	380.9	298.50	2.276		
16,450.0	8,562.0	16,481.0	8,572.9	150.5	150.7	90.58	-7,625.2	-1,123.7	679.4	379.0	300.41	2.262		
16,500.0	8,561.9	16,531.0	8,572.8	151.5	151.7	90.58	-7,675.2	-1,124.4	679.4	377.1	302.32	2.247		
16,550.0	8,561.9	16,581.0	8,572.7	152.4	152.6	90.58	-7,725.2	-1,125.2	679.4	375.1	304.23	2.233		
16,600.0	8,561.8	16,631.0	8,572.6	153.4	153.6	90.58	-7,775.2	-1,125.9	679.4	373.2	306.14	2.219		
16,650.0	8,561.7	16,681.0	8,572.6	154.3	154.5	90.58	-7,825.2	-1,126.6	679.3	371.3	308.06	2.205		
16,700.0	8,561.6	16,731.0	8,572.5	155.3	155.5	90.58	-7,875.1	-1,127.4	679.3	369.4	309.97	2.192		
16,750.0	8,561.5	16,781.0	8,572.4	156.2	156.4	90.58	-7,925.1	-1,128.1	679.3	367.4	311.88	2.178		
16,800.0	8,561.5	16,831.0	8,572.3	157.2	157.4	90.58	-7,975.1	-1,128.8	679.3	365.5	313.79	2.165		
16,850.0	8,561.4	16,881.0	8,572.3	158.1	158.3	90.58	-8,025.1	-1,129.6	679.3	363.6	315.71	2.152		
16,900.0	8,561.3	16,931.0	8,572.2	159.1	159.3	90.58	-8,075.1	-1,130.3	679.3	361.7	317.62	2.139		
16,950.0	8,561.2	16,981.0	8,572.1	160.1	160.2	90.58	-8,125.1	-1,131.0	679.3	359.7	319.53	2.126		
17,000.0	8,561.1	17,031.0	8,572.0	161.0	161.2	90.58	-8,175.1	-1,131.7	679.3	357.8	321.44	2.113		
17,050.0	8,561.0	17,081.0	8,572.0	162.0	162.1	90.58	-8,225.1	-1,132.5	679.2	355.9	323.36	2.101		
17,100.0	8,561.0	17,131.0	8,571.9	162.9	163.1	90.58	-8,275.1	-1,133.2	679.2	354.0	325.27	2.088		
17,150.0	8,560.9	17,181.0	8,571.8	163.9	164.0	90.58	-8,325.1	-1,133.9	679.2	352.0	327.18	2.076		
17,200.0	8,560.8	17,231.0	8,571.7	164.8	165.0	90.59	-8,375.1	-1,134.7	679.2	350.1	329.10	2.064		
17,250.0	8,560.7	17,281.0	8,571.7	165.8	165.9	90.59	-8,425.1	-1,135.4	679.2	348.2	331.01	2.052		
17,300.0	8,560.6	17,331.0	8,571.6	166.8	166.9	90.59	-8,475.1	-1,136.1	679.2	346.2	332.93	2.040		
17,350.0	8,560.6	17,381.0	8,571.5	167.7	167.8	90.59	-8,525.1	-1,136.9	679.2	344.3	334.84	2.028		
17,400.0	8,560.5	17,431.0	8,571.4	168.7	168.8	90.59	-8,575.1	-1,137.6	679.1	342.4	336.75	2.017		
17,450.0	8,560.4	17,481.0	8,571.4	169.6	169.8	90.59	-8,625.1	-1,138.3	679.1	340.5	338.67	2.005		
17,500.0	8,560.3	17,531.0	8,571.3	170.6	170.7	90.59	-8,675.1	-1,139.1	679.1	338.5	340.58	1.994		
17,550.0	8,560.2	17,581.0	8,571.2	171.5	171.7	90.59	-8,725.1	-1,139.8	679.1	336.6	342.50	1.983		
17,600.0	8,560.2	17,631.0	8,571.1	172.5	172.6	90.59	-8,775.1	-1,140.5	679.1	334.7	344.41	1.972		
17,650.0	8,560.1	17,681.0	8,571.1	173.5	173.6	90.59	-8,825.0	-1,141.3	679.1	332.8	346.33	1.961		
17,700.0	8,560.0	17,731.0	8,571.0	174.4	174.5	90.59	-8,875.0	-1,142.0	679.1	330.8	348.24	1.950		
17,750.0	8,559.9	17,781.0	8,570.9	175.4	175.5	90.59	-8,925.0	-1,142.7	679.1	328.9	350.16	1.939		

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

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference														
Offset														
Semi Major Axis														
Distance														
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
17,800.0	8,559.8	17,831.0	8,570.8	176.3	176.4	90.59	-8,975.0	-1,143.4	679.0	327.0	352.08	1.929		
17,850.0	8,559.8	17,881.0	8,570.8	177.3	177.4	90.59	-9,025.0	-1,144.2	679.0	325.0	353.99	1.918		
17,900.0	8,559.7	17,931.0	8,570.7	178.2	178.3	90.59	-9,075.0	-1,144.9	679.0	323.1	355.91	1.908		
17,950.0	8,559.6	17,981.0	8,570.6	179.2	179.3	90.59	-9,125.0	-1,145.6	679.0	321.2	357.82	1.898		
18,000.0	8,559.5	18,031.0	8,570.5	180.2	180.3	90.59	-9,175.0	-1,146.4	679.0	319.3	359.74	1.887		
18,050.0	8,559.4	18,081.0	8,570.5	181.1	181.2	90.59	-9,225.0	-1,147.1	679.0	317.3	361.66	1.877		
18,100.0	8,559.4	18,131.0	8,570.4	182.1	182.2	90.59	-9,275.0	-1,147.8	679.0	315.4	363.57	1.867		
18,150.0	8,559.3	18,181.0	8,570.3	183.0	183.1	90.59	-9,325.0	-1,148.6	679.0	313.5	365.49	1.858		
18,200.0	8,559.2	18,231.0	8,570.2	184.0	184.1	90.59	-9,375.0	-1,149.3	678.9	311.5	367.40	1.848		
18,250.0	8,559.1	18,281.0	8,570.2	184.9	185.0	90.59	-9,425.0	-1,150.0	678.9	309.6	369.32	1.838		
18,300.0	8,559.0	18,331.0	8,570.1	185.9	186.0	90.60	-9,475.0	-1,150.8	678.9	307.7	371.24	1.829		
18,317.3	8,559.0	18,348.3	8,570.1	186.2	186.3	90.60	-9,492.3	-1,151.0	678.9	307.0	371.90	1.826 SF		

Reference Depths are relative to WELL @ 5877.0ft (Original Well Elev)	Coordinates are relative to: True Ranch Fee 502-2326H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.57°



<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 502-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5877.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 502-2326H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 (1-29-18)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5877.0ft (Original Well Elev)

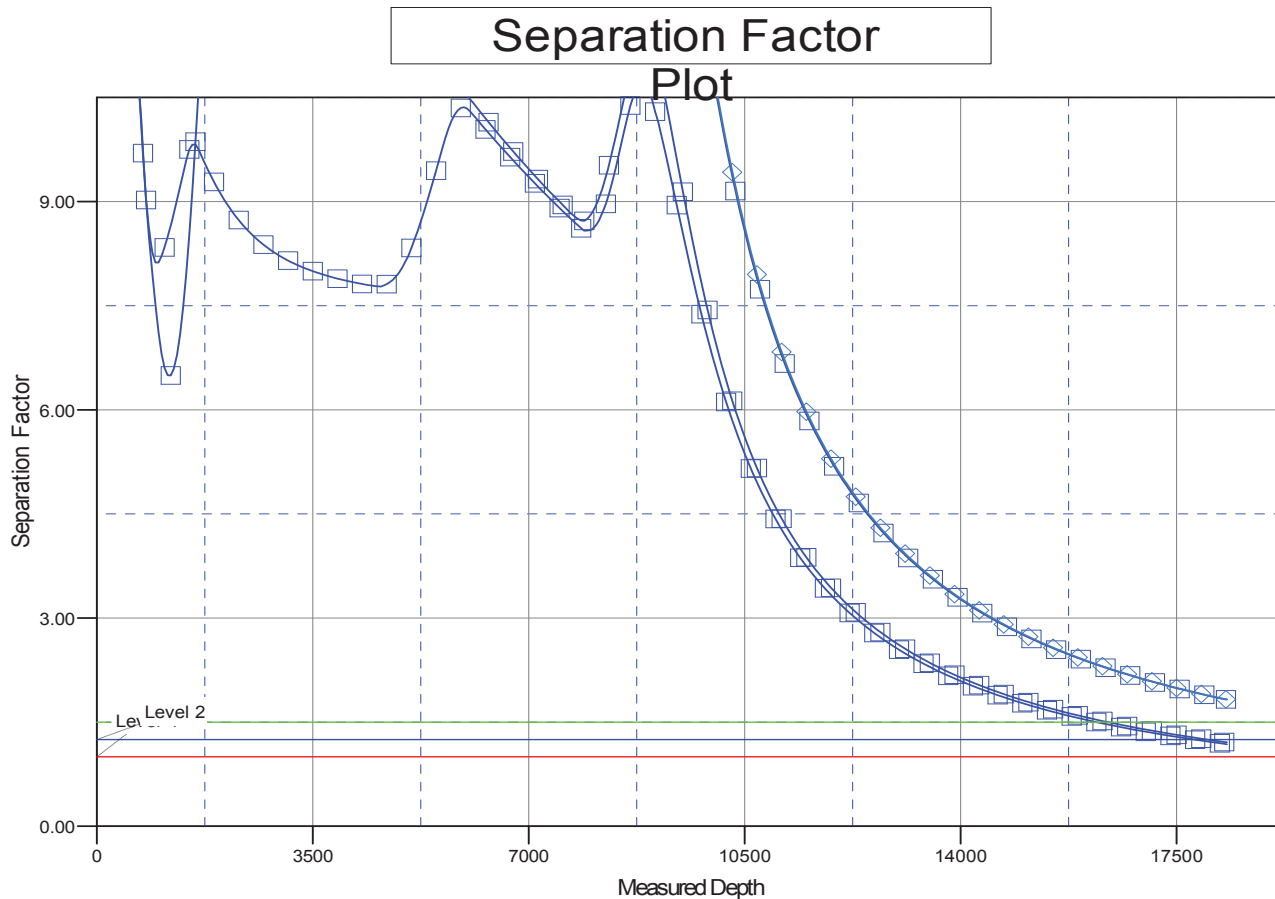
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000





Coordinates are relative to: True Ranch Fee 502-2326H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is:  $0.57^\circ$



## LEGEND

201-2326H, Wellbore #1, Plan #1 (1-24-18) VO		True Ranch Fee 203-2326H, Wellbore #1, Plan #1 (1-29-18) VO		True Ranch Fee 501-2326H, Wellbore #1, Plan #1 (1-29-18) VO
202-2326H, Wellbore #1, Plan #1 (1-29-18) VO		True Ranch Fee 204-2326H, Wellbore #1, Plan #1 (1-29-18) VO		True Ranch Fee 503-2326H, Wellbore #1, Plan #1 (1-29-18) VO