

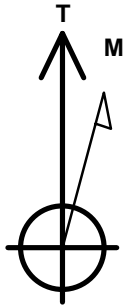
# Clear Creek Resource Partners

Well Name: **True Ranch Fee 202-2326H**

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: 5851.0  
 +N/-S+E/-W Northing Easting Longitude Slot  
 0.0 0.0 1607883.11 3242001.26 40.998710 -104.623330  
 Original Well Elev WELL @ 5874.0ft (Original Well Elev)

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 400'FNL & 1260'FEL, Sec.23	1.0	0.0	0.0	Point
BHL 600'FSL & 1280'FEL, Sec.26	8352.0	-9487.6	-162.9	Point
LPL 600'FNL & 1280'FEL, Sec.23	8378.0	-200.4	-24.8	Point



Azimuths to True North  
 Magnetic North: 8.55°

Magnetic Field  
 Strength: 52727.9snT  
 Dip Angle: 67.32°  
 Date: 2/1/2018  
 Model: HDGM

**True Ranch Fee 2326H East Pad Sec.23-T15N-R65W**  
**True Ranch Fee 202-2326H**  
**Plan #1 (1-29-18)**  
**12:05, February 02 2018**

## ANNOTATIONS

TVD	MD	Annotation
2000.0	2000.0	Start Build 1.50
2558.0	2560.0	Start 3056.3 hold at 2560.0 MD
5581.5	5616.3	Start Drop -2.00
6000.0	6036.3	Start 1661.8 hold at 6036.3 MD
7661.8	7698.1	Start Build 8.00
8378.0	8825.4	Start DLS 1.00 TFO -88.31
8378.0	8826.7	Start 9287.0 hold at 8826.7 MD
8352.0	18113.7	TD at 18113.7

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

SHL 400'FNL & 1260'FEL, Sec.23

LPL 600'FNL & 1280'FEL, Sec.23

Sec.23-T12N-R65W

600' Setback

600' Setback

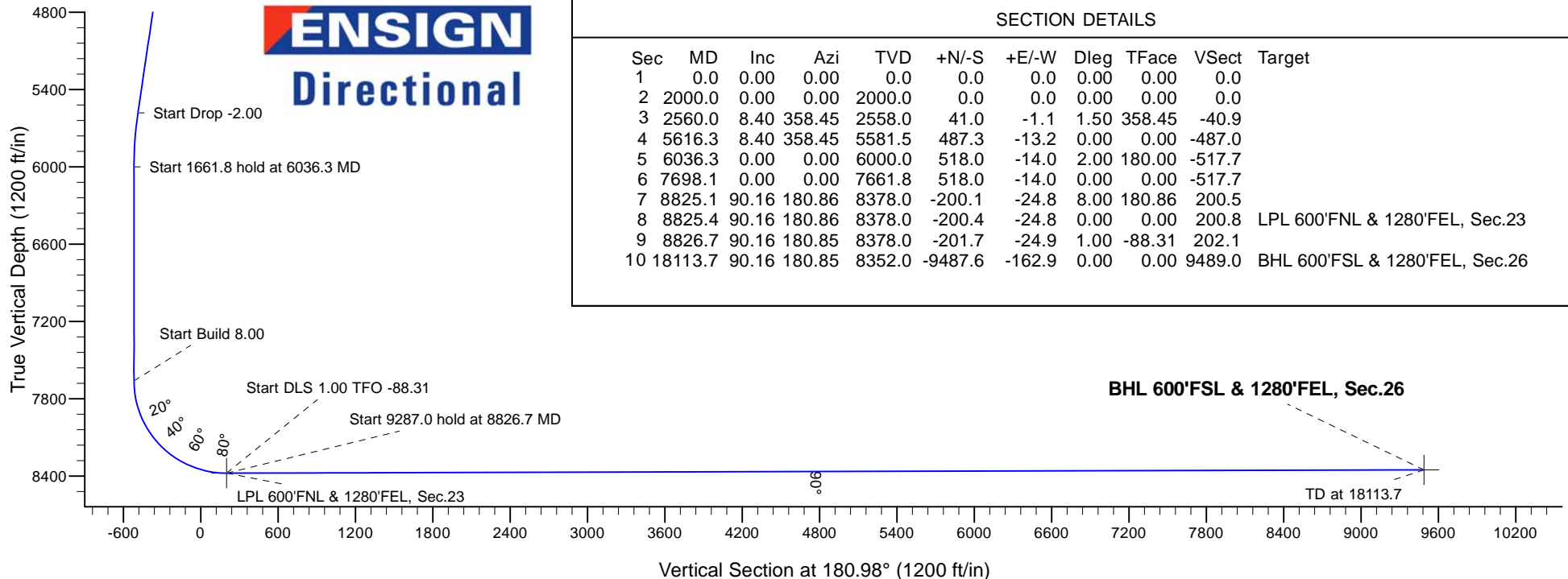
Sec.26-T12N-R65W

BHL 600'FSL & 1280'FEL, Sec.26

West(-)/East(+) (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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2560.0	8.40	358.45	2558.0	41.0	-1.1	1.50	358.45	-40.9	
4	5616.3	8.40	358.45	5581.5	487.3	-13.2	0.00	0.00	-487.0	
5	6036.3	0.00	0.00	6000.0	518.0	-14.0	2.00	180.00	-517.7	
6	7698.1	0.00	0.00	7661.8	518.0	-14.0	0.00	0.00	-517.7	
7	8825.1	90.16	180.86	8378.0	-200.1	-24.8	8.00	180.86	200.5	
8	8825.4	90.16	180.86	8378.0	-200.4	-24.8	0.00	0.00	200.8	LPL 600'FNL & 1280'FEL, Sec.23
9	8826.7	90.16	180.85	8378.0	-201.7	-24.9	1.00	-88.31	202.1	
10	18113.7	90.16	180.85	8352.0	-9487.6	-162.9	0.00	0.00	9489.0	BHL 600'FSL & 1280'FEL, Sec.26





## **Clear Creek Resource Partners**

**SEC.23-T15N-R65W**

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

**True Ranch Fee 202-2326H**

**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 202-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (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 202-2326H	<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

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

Well	True Ranch Fee 202-2326H					
Well Position	+N/-S	-3.7 ft	Northing:	1,607,883.11 usft	Latitude:	40.998710
	+E/-W	-60.7 ft	Easting:	3,242,001.26 usft	Longitude:	-104.623330
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	5,851.0 ft

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

<b>Design</b>	Plan #1 (1-29-18)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	180.98

<b>Plan Sections</b>										
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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,560.0	8.40	358.45	2,558.0	41.0	-1.1	1.50	1.50	0.00	358.45	
5,616.3	8.40	358.45	5,581.5	487.3	-13.2	0.00	0.00	0.00	0.00	
6,036.3	0.00	0.00	6,000.0	518.0	-14.0	2.00	-2.00	0.00	180.00	
7,698.1	0.00	0.00	7,661.8	518.0	-14.0	0.00	0.00	0.00	0.00	
8,825.1	90.16	180.86	8,378.0	-200.1	-24.8	8.00	8.00	0.00	180.86	
8,825.4	90.16	180.86	8,378.0	-200.4	-24.8	0.00	0.00	0.00	0.00	LPL 600'FNL & 1280'
8,826.7	90.16	180.85	8,378.0	-201.7	-24.9	1.00	0.03	-1.00	-88.31	
18,113.7	90.16	180.85	8,352.0	-9,487.6	-162.9	0.00	0.00	0.00	0.00	BHL 600'FSL & 1280'

Database:	US_EDM	Local Co-ordinate Reference:	Well True Ranch Fee 202-2326H
Company:	Clear Creek Resource Partners	TVD Reference:	WELL @ 5874.0ft (Original Well Elev)
Project:	SEC.23-T15N-R65W	MD Reference:	WELL @ 5874.0ft (Original Well Elev)
Site:	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	North Reference:	True
Well:	True Ranch Fee 202-2326H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
SHL 400'FNL & 1260'FEL, Sec.23									
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
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
2,100.0	1.50	358.45	2,100.0	1.3	0.0	-1.3	1.50	1.50	0.00
2,200.0	3.00	358.45	2,199.9	5.2	-0.1	-5.2	1.50	1.50	0.00
2,300.0	4.50	358.45	2,299.7	11.8	-0.3	-11.8	1.50	1.50	0.00
2,400.0	6.00	358.45	2,399.3	20.9	-0.6	-20.9	1.50	1.50	0.00
2,500.0	7.50	358.45	2,498.6	32.7	-0.9	-32.6	1.50	1.50	0.00
2,560.0	8.40	358.45	2,558.0	41.0	-1.1	-40.9	1.50	1.50	0.00
Start 3056.3 hold at 2560.0 MD									
2,600.0	8.40	358.45	2,597.6	46.8	-1.3	-46.8	0.00	0.00	0.00
2,700.0	8.40	358.45	2,696.5	61.4	-1.7	-61.4	0.00	0.00	0.00
2,800.0	8.40	358.45	2,795.4	76.0	-2.1	-76.0	0.00	0.00	0.00
2,900.0	8.40	358.45	2,894.3	90.6	-2.4	-90.6	0.00	0.00	0.00
3,000.0	8.40	358.45	2,993.3	105.2	-2.8	-105.2	0.00	0.00	0.00
3,100.0	8.40	358.45	3,092.2	119.8	-3.2	-119.7	0.00	0.00	0.00
3,200.0	8.40	358.45	3,191.1	134.4	-3.6	-134.3	0.00	0.00	0.00
3,300.0	8.40	358.45	3,290.1	149.0	-4.0	-148.9	0.00	0.00	0.00
3,400.0	8.40	358.45	3,389.0	163.6	-4.4	-163.5	0.00	0.00	0.00
3,500.0	8.40	358.45	3,487.9	178.2	-4.8	-178.1	0.00	0.00	0.00
3,600.0	8.40	358.45	3,586.8	192.8	-5.2	-192.7	0.00	0.00	0.00
3,700.0	8.40	358.45	3,685.8	207.4	-5.6	-207.3	0.00	0.00	0.00
3,800.0	8.40	358.45	3,784.7	222.0	-6.0	-221.9	0.00	0.00	0.00
3,900.0	8.40	358.45	3,883.6	236.6	-6.4	-236.5	0.00	0.00	0.00
4,000.0	8.40	358.45	3,982.5	251.2	-6.8	-251.1	0.00	0.00	0.00
4,100.0	8.40	358.45	4,081.5	265.9	-7.2	-265.7	0.00	0.00	0.00
4,200.0	8.40	358.45	4,180.4	280.5	-7.6	-280.3	0.00	0.00	0.00
4,300.0	8.40	358.45	4,279.3	295.1	-8.0	-294.9	0.00	0.00	0.00
4,400.0	8.40	358.45	4,378.3	309.7	-8.4	-309.5	0.00	0.00	0.00
4,500.0	8.40	358.45	4,477.2	324.3	-8.8	-324.1	0.00	0.00	0.00
4,600.0	8.40	358.45	4,576.1	338.9	-9.2	-338.7	0.00	0.00	0.00
4,700.0	8.40	358.45	4,675.0	353.5	-9.6	-353.3	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (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 202-2326H	<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)
4,800.0	8.40	358.45	4,774.0	368.1	-9.9	-367.8	0.00	0.00	0.00
4,900.0	8.40	358.45	4,872.9	382.7	-10.3	-382.4	0.00	0.00	0.00
5,000.0	8.40	358.45	4,971.8	397.3	-10.7	-397.0	0.00	0.00	0.00
5,100.0	8.40	358.45	5,070.7	411.9	-11.1	-411.6	0.00	0.00	0.00
5,200.0	8.40	358.45	5,169.7	426.5	-11.5	-426.2	0.00	0.00	0.00
5,300.0	8.40	358.45	5,268.6	441.1	-11.9	-440.8	0.00	0.00	0.00
5,400.0	8.40	358.45	5,367.5	455.7	-12.3	-455.4	0.00	0.00	0.00
5,500.0	8.40	358.45	5,466.5	470.3	-12.7	-470.0	0.00	0.00	0.00
5,600.0	8.40	358.45	5,565.4	484.9	-13.1	-484.6	0.00	0.00	0.00
5,616.3	8.40	358.45	5,581.5	487.3	-13.2	-487.0	0.00	0.00	0.00
Start Drop -2.00									
5,700.0	6.73	358.45	5,664.5	498.3	-13.5	-498.0	2.00	-2.00	0.00
5,800.0	4.73	358.45	5,764.0	508.3	-13.7	-508.0	2.00	-2.00	0.00
5,900.0	2.73	358.45	5,863.8	514.8	-13.9	-514.4	2.00	-2.00	0.00
6,000.0	0.73	358.45	5,963.7	517.8	-14.0	-517.5	2.00	-2.00	0.00
6,036.3	0.00	0.00	6,000.0	518.0	-14.0	-517.7	2.00	-2.00	0.00
Start 1661.8 hold at 6036.3 MD									
6,100.0	0.00	0.00	6,063.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,163.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,263.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,363.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,463.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,563.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,663.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,763.7	518.0	-14.0	-517.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,863.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,963.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,100.0	0.00	0.00	7,063.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,163.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,263.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,400.0	0.00	0.00	7,363.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,463.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,563.7	518.0	-14.0	-517.7	0.00	0.00	0.00
7,698.1	0.00	0.00	7,661.8	518.0	-14.0	-517.7	0.00	0.00	0.00
Start Build 8.00									
7,700.0	0.15	180.86	7,663.7	518.0	-14.0	-517.7	8.00	8.00	0.00
7,800.0	8.15	180.86	7,763.4	510.8	-14.1	-510.4	8.00	8.00	0.00
7,900.0	16.15	180.86	7,861.0	489.7	-14.4	-489.4	8.00	8.00	0.00
8,000.0	24.15	180.86	7,954.8	455.3	-14.9	-455.0	8.00	8.00	0.00
8,100.0	32.15	180.86	8,042.9	408.2	-15.7	-407.8	8.00	8.00	0.00
8,200.0	40.15	180.86	8,123.6	349.2	-16.5	-348.9	8.00	8.00	0.00
8,300.0	48.15	180.86	8,195.3	279.6	-17.6	-279.3	8.00	8.00	0.00
8,400.0	56.15	180.86	8,256.6	200.8	-18.8	-200.4	8.00	8.00	0.00
8,500.0	64.15	180.86	8,306.3	114.1	-20.1	-113.7	8.00	8.00	0.00
8,600.0	72.15	180.86	8,343.5	21.4	-21.5	-21.0	8.00	8.00	0.00
8,700.0	80.15	180.86	8,367.4	-75.6	-23.0	76.0	8.00	8.00	0.00
8,800.0	88.15	180.86	8,377.6	-175.0	-24.5	175.4	8.00	8.00	0.00
8,825.1	90.16	180.86	8,378.0	-200.1	-24.8	200.5	8.00	8.00	0.00
8,825.4	90.16	180.86	8,378.0	-200.4	-24.8	200.8	0.00	0.00	0.00
Start DLS 1.00 TFO -88.31 - LPL 600'FNL & 1280'FEL, Sec.23									
8,826.7	90.16	180.85	8,378.0	-201.7	-24.9	202.1	1.00	0.03	-1.00
Start 9287.0 hold at 8826.7 MD									
8,900.0	90.16	180.85	8,377.8	-275.0	-26.0	275.4	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (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 202-2326H	<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)
9,000.0	90.16	180.85	8,377.5	-375.0	-27.4	375.4	0.00	0.00	0.00
9,100.0	90.16	180.85	8,377.2	-475.0	-28.9	475.4	0.00	0.00	0.00
9,200.0	90.16	180.85	8,377.0	-575.0	-30.4	575.4	0.00	0.00	0.00
9,300.0	90.16	180.85	8,376.7	-675.0	-31.9	675.4	0.00	0.00	0.00
9,400.0	90.16	180.85	8,376.4	-774.9	-33.4	775.4	0.00	0.00	0.00
9,500.0	90.16	180.85	8,376.1	-874.9	-34.9	875.4	0.00	0.00	0.00
9,600.0	90.16	180.85	8,375.8	-974.9	-36.4	975.4	0.00	0.00	0.00
9,700.0	90.16	180.85	8,375.6	-1,074.9	-37.8	1,075.4	0.00	0.00	0.00
9,800.0	90.16	180.85	8,375.3	-1,174.9	-39.3	1,175.4	0.00	0.00	0.00
9,900.0	90.16	180.85	8,375.0	-1,274.9	-40.8	1,275.4	0.00	0.00	0.00
10,000.0	90.16	180.85	8,374.7	-1,374.9	-42.3	1,375.4	0.00	0.00	0.00
10,100.0	90.16	180.85	8,374.4	-1,474.9	-43.8	1,475.4	0.00	0.00	0.00
10,200.0	90.16	180.85	8,374.2	-1,574.9	-45.3	1,575.4	0.00	0.00	0.00
10,300.0	90.16	180.85	8,373.9	-1,674.8	-46.8	1,675.4	0.00	0.00	0.00
10,400.0	90.16	180.85	8,373.6	-1,774.8	-48.3	1,775.4	0.00	0.00	0.00
10,500.0	90.16	180.85	8,373.3	-1,874.8	-49.7	1,875.4	0.00	0.00	0.00
10,600.0	90.16	180.85	8,373.0	-1,974.8	-51.2	1,975.4	0.00	0.00	0.00
10,700.0	90.16	180.85	8,372.8	-2,074.8	-52.7	2,075.4	0.00	0.00	0.00
10,800.0	90.16	180.85	8,372.5	-2,174.8	-54.2	2,175.4	0.00	0.00	0.00
10,900.0	90.16	180.85	8,372.2	-2,274.8	-55.7	2,275.4	0.00	0.00	0.00
11,000.0	90.16	180.85	8,371.9	-2,374.8	-57.2	2,375.4	0.00	0.00	0.00
11,100.0	90.16	180.85	8,371.6	-2,474.8	-58.7	2,475.4	0.00	0.00	0.00
11,200.0	90.16	180.85	8,371.4	-2,574.7	-60.1	2,575.4	0.00	0.00	0.00
11,300.0	90.16	180.85	8,371.1	-2,674.7	-61.6	2,675.4	0.00	0.00	0.00
11,400.0	90.16	180.85	8,370.8	-2,774.7	-63.1	2,775.4	0.00	0.00	0.00
11,500.0	90.16	180.85	8,370.5	-2,874.7	-64.6	2,875.4	0.00	0.00	0.00
11,600.0	90.16	180.85	8,370.2	-2,974.7	-66.1	2,975.4	0.00	0.00	0.00
11,700.0	90.16	180.85	8,370.0	-3,074.7	-67.6	3,075.4	0.00	0.00	0.00
11,800.0	90.16	180.85	8,369.7	-3,174.7	-69.1	3,175.4	0.00	0.00	0.00
11,900.0	90.16	180.85	8,369.4	-3,274.7	-70.6	3,275.4	0.00	0.00	0.00
12,000.0	90.16	180.85	8,369.1	-3,374.7	-72.0	3,375.4	0.00	0.00	0.00
12,100.0	90.16	180.85	8,368.8	-3,474.6	-73.5	3,475.4	0.00	0.00	0.00
12,200.0	90.16	180.85	8,368.6	-3,574.6	-75.0	3,575.4	0.00	0.00	0.00
12,300.0	90.16	180.85	8,368.3	-3,674.6	-76.5	3,675.4	0.00	0.00	0.00
12,400.0	90.16	180.85	8,368.0	-3,774.6	-78.0	3,775.4	0.00	0.00	0.00
12,500.0	90.16	180.85	8,367.7	-3,874.6	-79.5	3,875.4	0.00	0.00	0.00
12,600.0	90.16	180.85	8,367.4	-3,974.6	-81.0	3,975.4	0.00	0.00	0.00
12,700.0	90.16	180.85	8,367.2	-4,074.6	-82.4	4,075.4	0.00	0.00	0.00
12,800.0	90.16	180.85	8,366.9	-4,174.6	-83.9	4,175.4	0.00	0.00	0.00
12,900.0	90.16	180.85	8,366.6	-4,274.5	-85.4	4,275.4	0.00	0.00	0.00
13,000.0	90.16	180.85	8,366.3	-4,374.5	-86.9	4,375.4	0.00	0.00	0.00
13,100.0	90.16	180.85	8,366.0	-4,474.5	-88.4	4,475.4	0.00	0.00	0.00
13,200.0	90.16	180.85	8,365.8	-4,574.5	-89.9	4,575.4	0.00	0.00	0.00
13,300.0	90.16	180.85	8,365.5	-4,674.5	-91.4	4,675.4	0.00	0.00	0.00
13,400.0	90.16	180.85	8,365.2	-4,774.5	-92.9	4,775.4	0.00	0.00	0.00
13,500.0	90.16	180.85	8,364.9	-4,874.5	-94.3	4,875.4	0.00	0.00	0.00
13,600.0	90.16	180.85	8,364.6	-4,974.5	-95.8	4,975.4	0.00	0.00	0.00
13,700.0	90.16	180.85	8,364.4	-5,074.5	-97.3	5,075.4	0.00	0.00	0.00
13,800.0	90.16	180.85	8,364.1	-5,174.4	-98.8	5,175.4	0.00	0.00	0.00
13,900.0	90.16	180.85	8,363.8	-5,274.4	-100.3	5,275.4	0.00	0.00	0.00
14,000.0	90.16	180.85	8,363.5	-5,374.4	-101.8	5,375.4	0.00	0.00	0.00
14,100.0	90.16	180.85	8,363.2	-5,474.4	-103.3	5,475.4	0.00	0.00	0.00
14,200.0	90.16	180.85	8,363.0	-5,574.4	-104.7	5,575.4	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (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 202-2326H	<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)
14,300.0	90.16	180.85	8,362.7	-5,674.4	-106.2	5,675.4	0.00	0.00	0.00
14,400.0	90.16	180.85	8,362.4	-5,774.4	-107.7	5,775.4	0.00	0.00	0.00
14,500.0	90.16	180.85	8,362.1	-5,874.4	-109.2	5,875.4	0.00	0.00	0.00
14,600.0	90.16	180.85	8,361.8	-5,974.4	-110.7	5,975.4	0.00	0.00	0.00
14,700.0	90.16	180.85	8,361.6	-6,074.3	-112.2	6,075.4	0.00	0.00	0.00
14,800.0	90.16	180.85	8,361.3	-6,174.3	-113.7	6,175.4	0.00	0.00	0.00
14,900.0	90.16	180.85	8,361.0	-6,274.3	-115.2	6,275.4	0.00	0.00	0.00
15,000.0	90.16	180.85	8,360.7	-6,374.3	-116.6	6,375.4	0.00	0.00	0.00
15,100.0	90.16	180.85	8,360.4	-6,474.3	-118.1	6,475.4	0.00	0.00	0.00
15,200.0	90.16	180.85	8,360.2	-6,574.3	-119.6	6,575.4	0.00	0.00	0.00
15,300.0	90.16	180.85	8,359.9	-6,674.3	-121.1	6,675.4	0.00	0.00	0.00
15,400.0	90.16	180.85	8,359.6	-6,774.3	-122.6	6,775.4	0.00	0.00	0.00
15,500.0	90.16	180.85	8,359.3	-6,874.3	-124.1	6,875.4	0.00	0.00	0.00
15,600.0	90.16	180.85	8,359.0	-6,974.2	-125.6	6,975.4	0.00	0.00	0.00
15,700.0	90.16	180.85	8,358.8	-7,074.2	-127.0	7,075.4	0.00	0.00	0.00
15,800.0	90.16	180.85	8,358.5	-7,174.2	-128.5	7,175.4	0.00	0.00	0.00
15,900.0	90.16	180.85	8,358.2	-7,274.2	-130.0	7,275.4	0.00	0.00	0.00
16,000.0	90.16	180.85	8,357.9	-7,374.2	-131.5	7,375.4	0.00	0.00	0.00
16,100.0	90.16	180.85	8,357.6	-7,474.2	-133.0	7,475.4	0.00	0.00	0.00
16,200.0	90.16	180.85	8,357.4	-7,574.2	-134.5	7,575.4	0.00	0.00	0.00
16,300.0	90.16	180.85	8,357.1	-7,674.2	-136.0	7,675.4	0.00	0.00	0.00
16,400.0	90.16	180.85	8,356.8	-7,774.1	-137.5	7,775.4	0.00	0.00	0.00
16,500.0	90.16	180.85	8,356.5	-7,874.1	-138.9	7,875.4	0.00	0.00	0.00
16,600.0	90.16	180.85	8,356.2	-7,974.1	-140.4	7,975.4	0.00	0.00	0.00
16,700.0	90.16	180.85	8,356.0	-8,074.1	-141.9	8,075.4	0.00	0.00	0.00
16,800.0	90.16	180.85	8,355.7	-8,174.1	-143.4	8,175.4	0.00	0.00	0.00
16,900.0	90.16	180.85	8,355.4	-8,274.1	-144.9	8,275.4	0.00	0.00	0.00
17,000.0	90.16	180.85	8,355.1	-8,374.1	-146.4	8,375.4	0.00	0.00	0.00
17,100.0	90.16	180.85	8,354.8	-8,474.1	-147.9	8,475.4	0.00	0.00	0.00
17,200.0	90.16	180.85	8,354.6	-8,574.1	-149.3	8,575.4	0.00	0.00	0.00
17,300.0	90.16	180.85	8,354.3	-8,674.0	-150.8	8,675.4	0.00	0.00	0.00
17,400.0	90.16	180.85	8,354.0	-8,774.0	-152.3	8,775.4	0.00	0.00	0.00
17,500.0	90.16	180.85	8,353.7	-8,874.0	-153.8	8,875.4	0.00	0.00	0.00
17,600.0	90.16	180.85	8,353.4	-8,974.0	-155.3	8,975.4	0.00	0.00	0.00
17,700.0	90.16	180.85	8,353.2	-9,074.0	-156.8	9,075.4	0.00	0.00	0.00
17,800.0	90.16	180.85	8,352.9	-9,174.0	-158.3	9,175.4	0.00	0.00	0.00
17,900.0	90.16	180.85	8,352.6	-9,274.0	-159.8	9,275.4	0.00	0.00	0.00
18,000.0	90.16	180.85	8,352.3	-9,374.0	-161.2	9,375.4	0.00	0.00	0.00
18,100.0	90.16	180.85	8,352.0	-9,474.0	-162.7	9,475.4	0.00	0.00	0.00
18,113.7	90.16	180.85	8,352.0	-9,487.6	-162.9	9,489.0	0.00	0.00	0.00
TD at 18113.7 - BHL 600'FSL & 1280'FEL, Sec.26									

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Company:</b>	Clear Creek Resource Partners	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Project:</b>	SEC.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (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 202-2326H	<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 & 1260'FE - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,607,883.11	3,242,001.26	40.998710	-104.623330
BHL 600'FSL & 1280'FE - plan hits target center - Point	0.00	0.00	8,352.0	-9,487.6	-162.9	1,598,393.96	3,241,932.14	40.972670	-104.623920
LPL 600'FNL & 1280'FEI - plan hits target center - Point	0.00	0.00	8,378.0	-200.4	-24.8	1,607,682.48	3,241,978.40	40.998160	-104.623420

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
2,000.0	2,000.0	0.0	0.0	Start Build 1.50	
2,560.0	2,558.0	41.0	-1.1	Start 3056.3 hold at 2560.0 MD	
5,616.3	5,581.5	487.3	-13.2	Start Drop -2.00	
6,036.3	6,000.0	518.0	-14.0	Start 1661.8 hold at 6036.3 MD	
7,698.1	7,661.8	518.0	-14.0	Start Build 8.00	
8,825.4	8,378.0	-200.4	-24.8	Start DLS 1.00 TFO -88.31	
8,826.7	8,378.0	-201.7	-24.9	Start 9287.0 hold at 8826.7 MD	
18,113.7	8,352.0	-9,487.6	-162.9	TD at 18113.7	





## **Clear Creek Resource Partners**

**SEC.23-T15N-R65W**

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

**True Ranch Fee 202-2326H**

**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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	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	18,113.7	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	996.0	60.8	56.6	14.276	CC
True Ranch Fee 201-2326H - Wellbore #1 - Plan #1 (1-2	1,050.0	1,045.4	61.1	56.6	13.619	ES
True Ranch Fee 201-2326H - Wellbore #1 - Plan #1 (1-2	18,100.0	18,159.8	682.0	311.0	1.838	SF
True Ranch Fee 203-2326H - Wellbore #1 - Plan #1 (1-2	781.1	787.1	60.8	57.5	18.437	CC
True Ranch Fee 203-2326H - Wellbore #1 - Plan #1 (1-2	800.0	805.9	60.8	57.5	17.977	ES
True Ranch Fee 203-2326H - Wellbore #1 - Plan #1 (1-2	18,113.7	18,108.0	678.9	307.4	1.827	SF
True Ranch Fee 204-2326H - Wellbore #1 - Plan #1 (1-2	380.2	388.2	121.5	120.0	80.892	CC
True Ranch Fee 204-2326H - Wellbore #1 - Plan #1 (1-2	400.0	407.8	121.5	119.9	76.417	ES
True Ranch Fee 204-2326H - Wellbore #1 - Plan #1 (1-2	1,100.0	1,080.4	181.7	177.0	38.688	SF
True Ranch Fee 501-2326H - Wellbore #1 - Plan #1 (1-2	1,200.0	1,198.0	30.6	25.4	5.921	CC
True Ranch Fee 501-2326H - Wellbore #1 - Plan #1 (1-2	1,250.0	1,247.8	30.8	25.4	5.709	ES
True Ranch Fee 501-2326H - Wellbore #1 - Plan #1 (1-2	18,100.0	18,315.6	392.5	63.4	1.193	Level 2, SF
True Ranch Fee 502-2326H - Wellbore #1 - Plan #1 (1-2	982.3	985.3	30.4	26.2	7.234	CC
True Ranch Fee 502-2326H - Wellbore #1 - Plan #1 (1-2	1,050.0	1,052.8	30.6	26.1	6.792	ES
True Ranch Fee 502-2326H - Wellbore #1 - Plan #1 (1-2	18,113.7	18,298.0	396.0	69.0	1.211	Level 2, SF
True Ranch Fee 503-2326H - Wellbore #1 - Plan #1 (1-2	580.6	587.6	91.2	88.8	37.969	CC
True Ranch Fee 503-2326H - Wellbore #1 - Plan #1 (1-2	600.0	606.9	91.2	88.7	36.654	ES
True Ranch Fee 503-2326H - Wellbore #1 - Plan #1 (1-2	1,100.0	1,093.8	121.0	116.3	25.796	SF

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	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)						
0.0	0.0	0.0	0.0	0.0	0.0	86.57	3.6	60.7	61.0								
50.0	50.0	46.0	46.0	0.1	0.1	86.57	3.6	60.7	60.8	60.7	0.11	563.336					
100.0	100.0	96.0	96.0	0.1	0.1	86.57	3.6	60.7	60.8	60.6	0.22	276.186					
150.0	150.0	146.0	146.0	0.2	0.2	86.57	3.6	60.7	60.8	60.4	0.44	138.098					
200.0	200.0	196.0	196.0	0.3	0.3	86.57	3.6	60.7	60.8	60.2	0.67	91.443					
250.0	250.0	246.0	246.0	0.4	0.4	86.57	3.6	60.7	60.8	59.9	0.89	68.352					
300.0	300.0	296.0	296.0	0.6	0.6	86.57	3.6	60.7	60.8	59.7	1.11	54.571					
350.0	350.0	346.0	346.0	0.7	0.7	86.57	3.6	60.7	60.8	59.5	1.34	45.415					
400.0	400.0	396.0	396.0	0.8	0.8	86.57	3.6	60.7	60.8	59.3	1.56	38.890					

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
450.0	450.0	446.0	446.0	0.9	0.9	86.57	3.6	60.7	60.8	59.0	1.79	34.004		
500.0	500.0	496.0	496.0	1.0	1.0	86.57	3.6	60.7	60.8	58.8	2.01	30.209		
550.0	550.0	546.0	546.0	1.1	1.1	86.57	3.6	60.7	60.8	58.6	2.24	27.176		
600.0	600.0	596.0	596.0	1.2	1.2	86.57	3.6	60.7	60.8	58.4	2.46	24.696		
650.0	650.0	646.0	646.0	1.3	1.3	86.57	3.6	60.7	60.8	58.1	2.69	22.631		
700.0	700.0	696.0	696.0	1.5	1.5	86.57	3.6	60.7	60.8	57.9	2.91	20.885		
750.0	750.0	746.0	746.0	1.6	1.6	86.57	3.6	60.7	60.8	57.7	3.14	19.389		
800.0	800.0	796.0	796.0	1.7	1.7	86.57	3.6	60.7	60.8	57.5	3.36	18.093		
850.0	850.0	846.0	846.0	1.8	1.8	86.57	3.6	60.7	60.8	57.3	3.59	16.959		
900.0	900.0	896.0	896.0	1.9	1.9	86.57	3.6	60.7	60.8	57.0	3.81	15.959		
950.0	950.0	946.0	946.0	2.0	2.0	86.57	3.6	60.7	60.8	56.8	4.04	15.071		
1,000.0	1,000.0	996.0	996.0	2.1	2.1	86.57	3.6	60.7	60.8	56.6	4.26	14.276 CC		
1,050.0	1,050.0	1,045.4	1,045.4	2.2	2.2	86.41	3.8	60.9	61.1	56.6	4.48	13.619 ES		
1,100.0	1,100.0	1,094.8	1,094.8	2.4	2.3	85.88	4.4	61.6	61.8	57.1	4.70	13.132		
1,150.0	1,150.0	1,144.1	1,144.1	2.5	2.5	85.02	5.5	62.7	63.0	58.1	4.92	12.798		
1,200.0	1,200.0	1,193.4	1,193.3	2.6	2.6	83.85	6.9	64.4	64.8	59.6	5.14	12.596		
1,250.0	1,250.0	1,242.7	1,242.5	2.7	2.7	82.44	8.8	66.4	67.1	61.7	5.36	12.512		
1,300.0	1,300.0	1,291.8	1,291.5	2.8	2.8	80.83	11.1	69.0	70.0	64.4	5.58	12.538		
1,350.0	1,350.0	1,340.9	1,340.4	2.9	2.9	79.10	13.9	72.0	73.5	67.7	5.81	12.662		
1,400.0	1,400.0	1,389.8	1,389.1	3.0	3.0	77.30	17.0	75.4	77.6	71.6	6.03	12.880		
1,450.0	1,450.0	1,438.6	1,437.6	3.1	3.1	75.48	20.5	79.4	82.4	76.1	6.25	13.180		
1,500.0	1,500.0	1,487.3	1,485.9	3.3	3.3	73.68	24.5	83.7	87.8	81.3	6.47	13.561		
1,550.0	1,550.0	1,535.8	1,534.0	3.4	3.4	71.94	28.9	88.5	93.9	87.2	6.70	14.010		
1,600.0	1,600.0	1,584.1	1,581.8	3.5	3.5	70.28	33.6	93.7	100.6	93.7	6.92	14.527		
1,650.0	1,650.0	1,632.2	1,629.4	3.6	3.6	68.71	38.7	99.4	108.0	100.8	7.15	15.100		
1,700.0	1,700.0	1,680.2	1,676.6	3.7	3.8	67.24	44.2	105.5	116.0	108.6	7.37	15.728		
1,750.0	1,750.0	1,727.9	1,723.5	3.8	3.9	65.88	50.1	111.9	124.7	117.1	7.60	16.403		
1,800.0	1,800.0	1,775.4	1,770.1	3.9	4.1	64.62	56.4	118.8	134.0	126.2	7.83	17.123		
1,850.0	1,850.0	1,822.9	1,816.6	4.0	4.3	63.46	63.0	126.1	144.0	135.9	8.06	17.875		
1,900.0	1,900.0	1,871.8	1,864.4	4.2	4.4	62.40	69.9	133.8	154.2	145.9	8.28	18.616		
1,950.0	1,950.0	1,920.7	1,912.1	4.3	4.6	61.47	76.9	141.4	164.5	156.0	8.51	19.323		
2,000.0	2,000.0	1,969.5	1,959.9	4.4	4.8	60.64	83.9	149.1	174.8	166.1	8.74	19.996		
2,050.0	2,050.0	2,018.5	2,007.7	4.5	5.0	61.42	90.8	156.8	185.0	176.1	8.97	20.631		
2,100.0	2,100.0	2,067.5	2,055.6	4.6	5.2	60.88	97.8	164.4	194.9	185.7	9.20	21.189		
2,150.0	2,150.0	2,116.5	2,103.5	4.7	5.4	60.56	104.8	172.1	204.5	195.1	9.43	21.686		
2,200.0	2,199.9	2,165.6	2,151.5	4.8	5.6	60.41	111.8	179.8	213.8	204.1	9.66	22.122		
2,250.0	2,249.8	2,214.8	2,199.6	4.9	5.8	60.41	118.8	187.5	222.8	212.9	9.90	22.503		
2,300.0	2,299.7	2,264.1	2,247.7	5.1	6.0	60.56	125.8	195.3	231.4	221.3	10.14	22.830		
2,350.0	2,349.5	2,313.3	2,295.9	5.2	6.2	60.82	132.8	203.0	239.7	229.4	10.38	23.107		
2,400.0	2,399.3	2,362.7	2,344.1	5.3	6.4	61.20	139.8	210.7	247.8	237.2	10.62	23.337		
2,450.0	2,449.0	2,412.0	2,392.3	5.4	6.6	61.69	146.8	218.4	255.5	244.7	10.86	23.521		
2,500.0	2,498.6	2,461.3	2,440.5	5.5	6.8	62.27	153.8	226.2	263.0	251.9	11.11	23.665		
2,550.0	2,548.1	2,510.7	2,488.7	5.6	7.0	62.93	160.9	233.9	270.2	258.8	11.37	23.769		
2,600.0	2,597.6	2,560.0	2,537.0	5.8	7.2	63.72	167.9	241.7	277.3	265.6	11.63	23.842		
2,650.0	2,647.0	2,609.4	2,585.2	5.9	7.4	64.49	174.9	249.4	284.4	272.5	11.90	23.905		
2,700.0	2,696.5	2,658.7	2,633.4	6.0	7.6	65.23	181.9	257.1	291.5	279.4	12.16	23.965		
2,750.0	2,746.0	2,708.1	2,681.7	6.2	7.8	65.92	188.9	264.9	298.7	286.3	12.44	24.016		
2,800.0	2,795.4	2,757.4	2,729.9	6.3	8.1	66.59	196.0	272.6	306.0	293.2	12.71	24.063		
2,850.0	2,844.9	2,806.8	2,778.1	6.4	8.3	67.22	203.0	280.3	313.2	300.2	13.00	24.104		
2,900.0	2,894.3	2,856.1	2,826.4	6.6	8.5	67.83	210.0	288.1	320.6	307.3	13.28	24.141		
2,950.0	2,943.8	2,905.5	2,874.6	6.7	8.7	68.41	217.0	295.8	327.9	314.3	13.57	24.172		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	
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			
3,000.0	2,993.3	2,954.8	2,922.8	6.8	8.9	68.96	224.1	303.5	335.3	321.4	13.85	24.201				
3,050.0	3,042.7	3,004.2	2,971.1	7.0	9.1	69.49	231.1	311.3	342.7	328.5	14.15	24.224				
3,100.0	3,092.2	3,053.5	3,019.3	7.1	9.4	70.00	238.1	319.0	350.1	335.7	14.44	24.245				
3,150.0	3,141.7	3,102.9	3,067.5	7.3	9.6	70.48	245.1	326.8	357.6	342.9	14.74	24.262				
3,200.0	3,191.1	3,152.2	3,115.8	7.4	9.8	70.95	252.2	334.5	365.1	350.0	15.04	24.277				
3,250.0	3,240.6	3,201.6	3,164.0	7.6	10.0	71.40	259.2	342.2	372.6	357.3	15.34	24.288				
3,300.0	3,290.1	3,250.9	3,212.2	7.7	10.2	71.83	266.2	350.0	380.1	364.5	15.64	24.298				
3,350.0	3,339.5	3,300.3	3,260.4	7.9	10.4	72.24	273.2	357.7	387.7	371.7	15.95	24.305				
3,400.0	3,389.0	3,349.6	3,308.7	8.0	10.7	72.64	280.2	365.4	395.2	379.0	16.26	24.310				
3,450.0	3,438.4	3,399.0	3,356.9	8.2	10.9	73.02	287.3	373.2	402.8	386.3	16.57	24.313				
3,500.0	3,487.9	3,448.3	3,405.1	8.3	11.1	73.39	294.3	380.9	410.4	393.6	16.88	24.315				
3,550.0	3,537.4	3,497.7	3,453.4	8.5	11.3	73.74	301.3	388.6	418.1	400.9	17.19	24.315				
3,600.0	3,586.8	3,547.0	3,501.6	8.6	11.5	74.09	308.3	396.4	425.7	408.2	17.51	24.314				
3,650.0	3,636.3	3,596.4	3,549.8	8.8	11.8	74.42	315.4	404.1	433.3	415.5	17.83	24.311				
3,700.0	3,685.8	3,645.7	3,598.1	8.9	12.0	74.74	322.4	411.9	441.0	422.9	18.14	24.308				
3,750.0	3,735.2	3,695.1	3,646.3	9.1	12.2	75.04	329.4	419.6	448.7	430.2	18.46	24.303				
3,800.0	3,784.7	3,744.4	3,694.5	9.3	12.4	75.34	336.4	427.3	456.4	437.6	18.78	24.298				
3,850.0	3,834.2	3,793.8	3,742.8	9.4	12.6	75.63	343.4	435.1	464.1	445.0	19.10	24.291				
3,900.0	3,883.6	3,843.1	3,791.0	9.6	12.9	75.91	350.5	442.8	471.8	452.4	19.43	24.285				
3,950.0	3,933.1	3,892.5	3,839.2	9.7	13.1	76.18	357.5	450.5	479.5	459.8	19.75	24.277				
4,000.0	3,982.5	3,941.8	3,887.5	9.9	13.3	76.44	364.5	458.3	487.3	467.2	20.08	24.269				
4,050.0	4,032.0	3,991.2	3,935.7	10.1	13.5	76.69	371.5	466.0	495.0	474.6	20.40	24.261				
4,100.0	4,081.5	4,040.5	3,983.9	10.2	13.8	76.93	378.6	473.7	502.7	482.0	20.73	24.252				
4,150.0	4,130.9	4,089.9	4,032.2	10.4	14.0	77.17	385.6	481.5	510.5	489.4	21.06	24.242				
4,200.0	4,180.4	4,139.2	4,080.4	10.5	14.2	77.40	392.6	489.2	518.3	496.9	21.39	24.233				
4,250.0	4,229.9	4,188.6	4,128.6	10.7	14.4	77.63	399.6	497.0	526.1	504.3	21.72	24.223				
4,300.0	4,279.3	4,237.9	4,176.8	10.9	14.6	77.84	406.7	504.7	533.8	511.8	22.05	24.213				
4,350.0	4,328.8	4,287.3	4,225.1	11.0	14.9	78.05	413.7	512.4	541.6	519.2	22.38	24.202				
4,400.0	4,378.3	4,336.6	4,273.3	11.2	15.1	78.26	420.7	520.2	549.4	526.7	22.71	24.192				
4,450.0	4,427.7	4,386.0	4,321.5	11.4	15.3	78.46	427.7	527.9	557.2	534.2	23.04	24.181				
4,500.0	4,477.2	4,435.3	4,369.8	11.5	15.5	78.65	434.7	535.6	565.0	541.7	23.38	24.170				
4,550.0	4,526.6	4,484.7	4,418.0	11.7	15.8	78.84	441.8	543.4	572.9	549.2	23.71	24.159				
4,600.0	4,576.1	4,534.0	4,466.2	11.9	16.0	79.02	448.8	551.1	580.7	556.6	24.05	24.149				
4,650.0	4,625.6	4,583.4	4,514.5	12.0	16.2	79.20	455.8	558.8	588.5	564.1	24.38	24.137				
4,700.0	4,675.0	4,632.7	4,562.7	12.2	16.4	79.38	462.8	566.6	596.4	571.6	24.72	24.126				
4,750.0	4,724.5	4,682.1	4,610.9	12.4	16.7	79.55	469.9	574.3	604.2	579.1	25.05	24.115				
4,800.0	4,774.0	4,731.4	4,659.2	12.5	16.9	79.71	476.9	582.1	612.0	586.6	25.39	24.104				
4,850.0	4,823.4	4,780.8	4,707.4	12.7	17.1	79.87	483.9	589.8	619.9	594.2	25.73	24.093				
4,900.0	4,872.9	4,830.1	4,755.6	12.8	17.3	80.03	490.9	597.5	627.7	601.7	26.07	24.082				
4,950.0	4,922.4	4,879.5	4,803.9	13.0	17.6	80.18	497.9	605.3	635.6	609.2	26.41	24.071				
5,000.0	4,971.8	4,928.9	4,852.1	13.2	17.8	80.33	505.0	613.0	643.5	616.7	26.74	24.060				
5,050.0	5,021.3	4,979.9	4,902.0	13.3	18.0	80.48	512.2	621.0	651.3	624.2	27.09	24.046				
5,100.0	5,070.7	5,041.2	4,962.0	13.5	18.2	80.70	520.4	630.0	658.6	631.2	27.44	24.004				
5,150.0	5,120.2	5,102.7	5,022.6	13.7	18.4	80.97	527.7	638.1	665.0	637.2	27.79	23.932				
5,200.0	5,169.7	5,164.5	5,083.6	13.9	18.6	81.30	534.2	645.2	670.5	642.4	28.13	23.835				
5,250.0	5,219.1	5,226.3	5,144.9	14.0	18.8	81.68	539.8	651.4	675.2	646.7	28.48	23.707				
5,300.0	5,268.6	5,288.3	5,206.5	14.2	18.9	82.12	544.5	656.6	678.9	650.1	28.83	23.551				
5,350.0	5,318.1	5,350.2	5,268.2	14.4	19.0	82.61	548.3	660.8	681.8	652.6	29.17	23.373				
5,400.0	5,367.5	5,412.2	5,329.9	14.5	19.2	83.17	551.2	664.0	683.8	654.3	29.52	23.168				
5,450.0	5,417.0	5,474.0	5,391.7	14.7	19.3	83.78	553.3	666.2	685.0	655.2	29.86	22.944				
5,500.0	5,466.5	5,535.7	5,453.3	14.9	19.4	84.45	554.4	667.4	685.4	655.2	30.20	22.698				

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	
5,550.0	5,515.9	5,594.3	5,511.9	15.0	19.4	85.14	554.6	667.7	685.0	654.5	30.53	22.436		
5,600.0	5,565.4	5,643.7	5,561.4	15.2	19.5	85.75	554.6	667.7	684.4	653.6	30.84	22.189		
5,650.0	5,614.9	5,693.2	5,610.9	15.4	19.6	86.33	554.6	667.7	683.9	652.8	31.14	21.963		
5,700.0	5,664.5	5,742.8	5,660.5	15.5	19.6	86.84	554.6	667.7	683.5	652.1	31.42	21.755		
5,750.0	5,714.2	5,792.5	5,710.2	15.6	19.7	87.29	554.6	667.7	683.2	651.6	31.66	21.580		
5,800.0	5,764.0	5,842.3	5,760.0	15.7	19.8	87.66	554.6	667.7	683.0	651.1	31.90	21.415		
5,850.0	5,813.8	5,892.2	5,809.8	15.8	19.8	87.97	554.6	667.7	682.9	650.8	32.11	21.268		
5,900.0	5,863.8	5,942.1	5,859.8	15.9	19.9	88.20	554.6	667.7	682.8	650.5	32.32	21.129		
5,950.0	5,913.7	5,992.1	5,909.7	16.0	20.0	88.36	554.6	667.7	682.7	650.2	32.50	21.008		
6,000.0	5,963.7	6,042.1	5,959.7	16.1	20.1	88.45	554.6	667.7	682.7	650.0	32.68	20.893		
6,050.0	6,013.7	6,092.0	6,009.7	16.2	20.1	88.92	554.6	667.7	682.7	650.0	32.75	20.848		
6,100.0	6,063.7	6,142.0	6,059.7	16.3	20.2	86.92	554.6	667.7	682.7	649.8	32.91	20.744		
6,150.0	6,113.7	6,192.0	6,109.7	16.3	20.3	86.92	554.6	667.7	682.7	649.6	33.09	20.635		
6,200.0	6,163.7	6,242.0	6,159.7	16.4	20.3	86.92	554.6	667.7	682.7	649.5	33.26	20.526		
6,250.0	6,213.7	6,292.0	6,209.7	16.5	20.4	86.92	554.6	667.7	682.7	649.3	33.44	20.419		
6,300.0	6,263.7	6,342.0	6,259.7	16.6	20.5	86.92	554.6	667.7	682.7	649.1	33.61	20.312		
6,350.0	6,313.7	6,392.0	6,309.7	16.7	20.6	86.92	554.6	667.7	682.7	648.9	33.79	20.206		
6,400.0	6,363.7	6,442.0	6,359.7	16.8	20.6	86.92	554.6	667.7	682.7	648.7	33.97	20.100		
6,450.0	6,413.7	6,492.0	6,409.7	16.9	20.7	86.92	554.6	667.7	682.7	648.6	34.14	19.996		
6,500.0	6,463.7	6,542.0	6,459.7	17.0	20.8	86.92	554.6	667.7	682.7	648.4	34.32	19.892		
6,550.0	6,513.7	6,592.0	6,509.7	17.1	20.9	86.92	554.6	667.7	682.7	648.2	34.50	19.789		
6,600.0	6,563.7	6,642.0	6,559.7	17.2	20.9	86.92	554.6	667.7	682.7	648.0	34.68	19.687		
6,650.0	6,613.7	6,692.0	6,609.7	17.3	21.0	86.92	554.6	667.7	682.7	647.9	34.86	19.585		
6,700.0	6,663.7	6,742.0	6,659.7	17.3	21.1	86.92	554.6	667.7	682.7	647.7	35.04	19.485		
6,750.0	6,713.7	6,792.0	6,709.7	17.4	21.2	86.92	554.6	667.7	682.7	647.5	35.22	19.384		
6,800.0	6,763.7	6,842.0	6,759.7	17.5	21.2	86.92	554.6	667.7	682.7	647.3	35.40	19.285		
6,850.0	6,813.7	6,892.0	6,809.7	17.6	21.3	86.92	554.6	667.7	682.7	647.1	35.58	19.187		
6,900.0	6,863.7	6,942.0	6,859.7	17.7	21.4	86.92	554.6	667.7	682.7	646.9	35.76	19.089		
6,950.0	6,913.7	6,992.0	6,909.7	17.8	21.5	86.92	554.6	667.7	682.7	646.8	35.95	18.992		
7,000.0	6,963.7	7,042.0	6,959.7	17.9	21.5	86.92	554.6	667.7	682.7	646.6	36.13	18.896		
7,050.0	7,013.7	7,092.0	7,009.7	18.0	21.6	86.92	554.6	667.7	682.7	646.4	36.31	18.800		
7,100.0	7,063.7	7,142.0	7,059.7	18.1	21.7	86.92	554.6	667.7	682.7	646.2	36.50	18.705		
7,150.0	7,113.7	7,192.0	7,109.7	18.2	21.8	86.92	554.6	667.7	682.7	646.0	36.68	18.611		
7,200.0	7,163.7	7,242.0	7,159.7	18.3	21.8	86.92	554.6	667.7	682.7	645.8	36.87	18.518		
7,250.0	7,213.7	7,292.0	7,209.7	18.4	21.9	86.92	554.6	667.7	682.7	645.7	37.05	18.425		
7,300.0	7,263.7	7,342.0	7,259.7	18.5	22.0	86.92	554.6	667.7	682.7	645.5	37.24	18.333		
7,350.0	7,313.7	7,392.0	7,309.7	18.6	22.1	86.92	554.6	667.7	682.7	645.3	37.43	18.242		
7,400.0	7,363.7	7,442.0	7,359.7	18.7	22.2	86.92	554.6	667.7	682.7	645.1	37.61	18.151		
7,450.0	7,413.7	7,492.0	7,409.7	18.8	22.2	86.92	554.6	667.7	682.7	644.9	37.80	18.061		
7,500.0	7,463.7	7,542.0	7,459.7	18.9	22.3	86.92	554.6	667.7	682.7	644.7	37.99	17.972		
7,550.0	7,513.7	7,592.0	7,509.7	19.0	22.4	86.92	554.6	667.7	682.7	644.5	38.18	17.884		
7,600.0	7,563.7	7,642.0	7,559.7	19.1	22.5	86.92	554.6	667.7	682.7	644.3	38.36	17.796		
7,650.0	7,613.7	7,692.0	7,609.7	19.1	22.6	86.92	554.6	667.7	682.7	644.2	38.55	17.709		
7,700.0	7,663.7	7,742.7	7,660.3	19.2	22.6	-93.94	554.6	667.7	682.7	643.9	38.82	17.588		
7,750.0	7,713.7	7,796.1	7,713.7	19.3	22.7	-93.88	551.9	667.7	682.7	643.7	38.94	17.531		
7,800.0	7,763.4	7,849.5	7,766.7	19.3	22.7	-93.81	545.2	667.6	682.6	643.6	39.01	17.498		
7,850.0	7,812.6	7,902.8	7,818.9	19.4	22.7	-93.71	534.6	667.4	682.5	643.5	39.03	17.489		
7,900.0	7,861.0	7,956.1	7,870.1	19.3	22.7	-93.60	520.2	667.2	682.4	643.5	38.99	17.501		
7,950.0	7,908.5	8,009.1	7,920.0	19.3	22.6	-93.47	502.1	666.9	682.4	643.4	38.92	17.533		
8,000.0	7,954.8	8,062.1	7,968.3	19.3	22.6	-93.31	480.4	666.6	682.2	643.4	38.81	17.580		
8,050.0	7,999.7	8,114.9	8,014.7	19.2	22.5	-93.15	455.3	666.2	682.1	643.5	38.67	17.641		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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
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		
8,100.0	8,042.9	8,167.5	8,059.0	19.1	22.4	-92.96	426.9	665.8	682.0	643.5	38.51	17.711		
8,150.0	8,084.3	8,219.9	8,101.0	19.0	22.3	-92.77	395.5	665.3	681.9	643.6	38.34	17.787		
8,200.0	8,123.6	8,272.2	8,140.4	19.0	22.2	-92.56	361.2	664.8	681.8	643.6	38.17	17.863		
8,250.0	8,160.7	8,324.2	8,177.0	18.9	22.0	-92.33	324.3	664.3	681.7	643.7	38.01	17.935		
8,300.0	8,195.3	8,376.1	8,210.8	18.8	21.9	-92.10	285.0	663.7	681.6	643.7	37.87	17.998		
8,350.0	8,227.3	8,427.7	8,241.5	18.8	21.8	-91.85	243.5	663.1	681.5	643.7	37.76	18.046		
8,400.0	8,256.6	8,479.0	8,269.0	18.7	21.6	-91.60	200.1	662.4	681.4	643.7	37.70	18.074		
8,450.0	8,283.0	8,530.2	8,293.2	18.7	21.5	-91.33	155.1	661.8	681.3	643.6	37.69	18.076		
8,500.0	8,306.3	8,581.1	8,314.1	18.7	21.4	-91.07	108.7	661.1	681.3	643.5	37.74	18.050		
8,550.0	8,326.6	8,631.8	8,331.5	18.8	21.3	-90.79	61.1	660.3	681.2	643.4	37.87	17.991		
8,600.0	8,343.5	8,682.2	8,345.5	18.9	21.2	-90.52	12.7	659.6	681.2	643.1	38.06	17.897		
8,650.0	8,357.2	8,732.4	8,356.0	19.0	21.2	-90.24	-36.4	658.9	681.2	642.8	38.34	17.768		
8,672.4	8,362.2	8,754.9	8,359.6	19.1	21.2	-90.12	-58.6	658.6	681.2	642.7	38.49	17.699		
8,700.0	8,367.4	8,782.4	8,363.0	19.2	21.2	-89.96	-85.9	658.1	681.2	642.5	38.69	17.606		
8,750.0	8,374.3	8,832.1	8,366.5	19.4	21.2	-89.69	-135.5	657.4	681.2	642.1	39.13	17.410		
8,800.0	8,377.6	8,881.8	8,366.9	19.7	21.3	-89.44	-185.1	656.7	681.2	641.6	39.59	17.206		
8,850.0	8,377.9	8,931.8	8,366.8	20.0	21.4	-89.40	-235.1	655.9	681.2	641.1	40.14	16.972		
8,900.0	8,377.8	8,981.8	8,366.6	20.3	21.7	-89.40	-285.1	655.2	681.2	640.5	40.74	16.724		
8,950.0	8,377.7	9,031.8	8,366.5	20.6	22.0	-89.40	-335.1	654.4	681.3	639.7	41.50	16.416		
9,000.0	8,377.5	9,081.8	8,366.4	21.0	22.4	-89.40	-385.1	653.7	681.3	639.0	42.29	16.108		
9,050.0	8,377.4	9,131.8	8,366.2	21.5	22.8	-89.40	-435.1	653.0	681.3	638.1	43.20	15.769		
9,100.0	8,377.2	9,181.8	8,366.1	22.0	23.3	-89.40	-485.1	652.2	681.3	637.1	44.13	15.436		
9,150.0	8,377.1	9,231.8	8,365.9	22.5	23.8	-89.40	-535.1	651.5	681.3	636.1	45.17	15.083		
9,200.0	8,377.0	9,281.8	8,365.8	23.0	24.3	-89.40	-585.0	650.7	681.3	635.0	46.22	14.739		
9,250.0	8,376.8	9,331.8	8,365.6	23.6	24.8	-89.40	-635.0	650.0	681.3	633.9	47.37	14.383		
9,300.0	8,376.7	9,381.8	8,365.5	24.2	25.4	-89.40	-685.0	649.3	681.3	632.7	48.53	14.038		
9,350.0	8,376.5	9,431.8	8,365.3	24.8	26.0	-89.40	-735.0	648.5	681.3	631.5	49.77	13.689		
9,400.0	8,376.4	9,481.8	8,365.2	25.4	26.6	-89.39	-785.0	647.8	681.3	630.2	51.02	13.352		
9,450.0	8,376.3	9,531.8	8,365.1	26.1	27.3	-89.39	-835.0	647.0	681.3	628.9	52.34	13.016		
9,500.0	8,376.1	9,581.8	8,364.9	26.8	27.9	-89.39	-885.0	646.3	681.3	627.6	53.68	12.692		
9,550.0	8,376.0	9,631.8	8,364.8	27.5	28.6	-89.39	-935.0	645.5	681.3	626.2	55.07	12.371		
9,600.0	8,375.8	9,681.8	8,364.6	28.2	29.3	-89.39	-985.0	644.8	681.3	624.8	56.47	12.064		
9,650.0	8,375.7	9,731.8	8,364.5	28.9	30.0	-89.39	-1,035.0	644.1	681.3	623.4	57.92	11.762		
9,700.0	8,375.6	9,781.8	8,364.3	29.6	30.7	-89.39	-1,085.0	643.3	681.3	621.9	59.38	11.473		
9,750.0	8,375.4	9,831.8	8,364.2	30.4	31.5	-89.39	-1,135.0	642.6	681.3	620.4	60.89	11.189		
9,800.0	8,375.3	9,881.8	8,364.0	31.2	32.2	-89.39	-1,185.0	641.8	681.3	618.9	62.40	10.918		
9,850.0	8,375.1	9,931.8	8,363.9	31.9	33.0	-89.39	-1,235.0	641.1	681.3	617.3	63.95	10.654		
9,900.0	8,375.0	9,981.8	8,363.7	32.7	33.7	-89.39	-1,285.0	640.4	681.3	615.8	65.50	10.401		
9,950.0	8,374.9	10,031.8	8,363.6	33.5	34.5	-89.39	-1,335.0	639.6	681.3	614.2	67.09	10.155		
10,000.0	8,374.7	10,081.8	8,363.5	34.3	35.3	-89.39	-1,385.0	638.9	681.3	612.6	68.68	9.920		
10,050.0	8,374.6	10,131.8	8,363.3	35.1	36.1	-89.39	-1,435.0	638.1	681.3	611.0	70.30	9.691		
10,100.0	8,374.4	10,181.8	8,363.2	35.9	36.9	-89.39	-1,484.9	637.4	681.3	609.4	71.93	9.472		
10,150.0	8,374.3	10,231.8	8,363.0	36.8	37.7	-89.39	-1,534.9	636.7	681.3	607.7	73.58	9.260		
10,200.0	8,374.2	10,281.8	8,362.9	37.6	38.5	-89.39	-1,584.9	635.9	681.3	606.1	75.23	9.056		
10,250.0	8,374.0	10,331.8	8,362.7	38.4	39.3	-89.39	-1,634.9	635.2	681.3	604.4	76.90	8.859		
10,300.0	8,373.9	10,381.8	8,362.6	39.3	40.1	-89.39	-1,684.9	634.4	681.3	602.7	78.58	8.670		
10,350.0	8,373.7	10,431.8	8,362.4	40.1	41.0	-89.39	-1,734.9	633.7	681.3	601.0	80.28	8.487		
10,400.0	8,373.6	10,481.8	8,362.3	41.0	41.8	-89.39	-1,784.9	633.0	681.3	599.3	81.98	8.311		
10,450.0	8,373.5	10,531.8	8,362.1	41.8	42.6	-89.39	-1,834.9	632.2	681.3	597.6	83.70	8.140		
10,500.0	8,373.3	10,581.8	8,362.0	42.7	43.5	-89.39	-1,884.9	631.5	681.3	595.9	85.42	7.976		
10,550.0	8,373.2	10,631.8	8,361.9	43.6	44.3	-89.38	-1,934.9	630.7	681.3	594.2	87.15	7.818		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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
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			
10,600.0	8,373.0	10,681.8	8,361.7	44.4	45.2	-89.38	-1,984.9	630.0	681.3	592.4	88.89	7.665	6.974		
10,650.0	8,372.9	10,731.8	8,361.6	45.3	46.1	-89.38	-2,034.9	629.2	681.3	590.7	90.64	7.517			
10,700.0	8,372.8	10,781.8	8,361.4	46.2	46.9	-89.38	-2,084.9	628.5	681.3	588.9	92.39	7.375			
10,750.0	8,372.6	10,831.8	8,361.3	47.1	47.8	-89.38	-2,134.9	627.8	681.3	587.2	94.15	7.237			
10,800.0	8,372.5	10,881.8	8,361.1	48.0	48.7	-89.38	-2,184.9	627.0	681.3	585.4	95.92	7.103			
10,850.0	8,372.3	10,931.8	8,361.0	48.8	49.5	-89.38	-2,234.9	626.3	681.3	583.6	97.69	6.974	6.850		
10,900.0	8,372.2	10,981.8	8,360.8	49.7	50.4	-89.38	-2,284.9	625.5	681.3	581.9	99.47	6.850			
10,950.0	8,372.1	11,031.8	8,360.7	50.6	51.3	-89.38	-2,334.8	624.8	681.3	580.1	101.26	6.729			
11,000.0	8,371.9	11,081.8	8,360.6	51.5	52.2	-89.38	-2,384.8	624.1	681.3	578.3	103.04	6.612			
11,050.0	8,371.8	11,131.8	8,360.4	52.4	53.1	-89.38	-2,434.8	623.3	681.3	576.5	104.84	6.499			
11,100.0	8,371.6	11,181.8	8,360.3	53.3	54.0	-89.38	-2,484.8	622.6	681.4	574.7	106.64	6.389	5.889		
11,150.0	8,371.5	11,231.8	8,360.1	54.2	54.9	-89.38	-2,534.8	621.8	681.4	572.9	108.44	6.283			
11,200.0	8,371.4	11,281.8	8,360.0	55.1	55.7	-89.38	-2,584.8	621.1	681.4	571.1	110.25	6.180			
11,250.0	8,371.2	11,331.8	8,359.8	56.0	56.6	-89.38	-2,634.8	620.4	681.4	569.3	112.06	6.080			
11,300.0	8,371.1	11,381.8	8,359.7	56.9	57.5	-89.38	-2,684.8	619.6	681.4	567.5	113.88	5.983			
11,350.0	8,370.9	11,431.8	8,359.5	57.9	58.4	-89.38	-2,734.8	618.9	681.4	565.7	115.70	5.889	5.458		
11,400.0	8,370.8	11,481.8	8,359.4	58.8	59.3	-89.38	-2,784.8	618.1	681.4	563.8	117.52	5.798			
11,450.0	8,370.7	11,531.8	8,359.2	59.7	60.3	-89.38	-2,834.8	617.4	681.4	562.0	119.35	5.709			
11,500.0	8,370.5	11,581.8	8,359.1	60.6	61.2	-89.38	-2,884.8	616.6	681.4	560.2	121.17	5.623			
11,550.0	8,370.4	11,631.8	8,359.0	61.5	62.1	-89.38	-2,934.8	615.9	681.4	558.4	123.01	5.539			
11,600.0	8,370.2	11,681.8	8,358.8	62.4	63.0	-89.38	-2,984.8	615.2	681.4	556.5	124.84	5.458	5.083		
11,650.0	8,370.1	11,731.8	8,358.7	63.4	63.9	-89.38	-3,034.8	614.4	681.4	554.7	126.68	5.379			
11,700.0	8,370.0	11,781.8	8,358.5	64.3	64.8	-89.37	-3,084.8	613.7	681.4	552.9	128.52	5.202			
11,750.0	8,369.8	11,831.8	8,358.4	65.2	65.7	-89.37	-3,134.8	612.9	681.4	551.0	130.36	5.227			
11,800.0	8,369.7	11,881.8	8,358.2	66.1	66.6	-89.37	-3,184.8	612.2	681.4	549.2	132.21	5.154			
11,850.0	8,369.5	11,931.8	8,358.1	67.0	67.5	-89.37	-3,234.7	611.5	681.4	547.3	134.06	5.083	4.754		
11,900.0	8,369.4	11,981.8	8,357.9	68.0	68.5	-89.37	-3,284.7	610.7	681.4	545.5	135.91	5.014			
11,950.0	8,369.3	12,031.8	8,357.8	68.9	69.4	-89.37	-3,334.7	610.0	681.4	543.6	137.76	4.946			
12,000.0	8,369.1	12,081.8	8,357.6	69.8	70.3	-89.37	-3,384.7	609.2	681.4	541.8	139.61	4.881			
12,050.0	8,369.0	12,131.8	8,357.5	70.8	71.2	-89.37	-3,434.7	608.5	681.4	539.9	141.47	4.817			
12,100.0	8,368.8	12,181.8	8,357.4	71.7	72.1	-89.37	-3,484.7	607.8	681.4	538.1	143.33	4.754	4.693		
12,150.0	8,368.7	12,231.8	8,357.2	72.6	73.1	-89.37	-3,534.7	607.0	681.4	536.2	145.19	4.693			
12,200.0	8,368.6	12,281.8	8,357.1	73.5	74.0	-89.37	-3,584.7	606.3	681.4	534.4	147.05	4.634			
12,250.0	8,368.4	12,331.8	8,356.9	74.5	74.9	-89.37	-3,634.7	605.5	681.4	532.5	148.91	4.576			
12,300.0	8,368.3	12,381.8	8,356.8	75.4	75.8	-89.37	-3,684.7	604.8	681.4	530.6	150.77	4.519			
12,350.0	8,368.1	12,431.8	8,356.6	76.3	76.8	-89.37	-3,734.7	604.1	681.4	528.8	152.64	4.464	4.410		
12,400.0	8,368.0	12,481.8	8,356.5	77.3	77.7	-89.37	-3,784.7	603.3	681.4	526.9	154.51	4.410			
12,450.0	8,367.9	12,531.8	8,356.3	78.2	78.6	-89.37	-3,834.7	602.6	681.4	525.0	156.38	4.357			
12,500.0	8,367.7	12,581.8	8,356.2	79.1	79.6	-89.37	-3,884.7	601.8	681.4	523.2	158.25	4.306			
12,550.0	8,367.6	12,631.8	8,356.1	80.1	80.5	-89.37	-3,934.7	601.1	681.4	521.3	160.12	4.256			
12,600.0	8,367.4	12,681.8	8,355.9	81.0	81.4	-89.37	-3,984.7	600.3	681.4	519.4	161.99	4.206	4.158		
12,650.0	8,367.3	12,731.8	8,355.8	82.0	82.4	-89.37	-4,034.7	599.6	681.4	517.6	163.87	4.158			
12,700.0	8,367.2	12,781.8	8,355.6	82.9	83.3	-89.37	-4,084.6	598.9	681.4	515.7	165.74	4.111			
12,750.0	8,367.0	12,831.8	8,355.5	83.8	84.2	-89.37	-4,134.6	598.1	681.4	513.8	167.62	4.065			
12,800.0	8,366.9	12,881.8	8,355.3	84.8	85.2	-89.37	-4,184.6	597.4	681.4	511.9	169.50	4.020			
12,850.0	8,366.7	12,931.8	8,355.2	85.7	86.1	-89.36	-4,234.6	596.6	681.4	510.1	171.38	3.976	3.933		
12,900.0	8,366.6	12,981.8	8,355.0	86.7	87.0	-89.36	-4,284.6	595.9	681.4	508.2	173.26	3.933			
12,950.0	8,366.5	13,031.8	8,354.9	87.6	88.0	-89.36	-4,334.6	595.2	681.4	506.3	175.14	3.891			
13,000.0	8,366.3	13,081.8	8,354.7	88.5	88.9	-89.36	-4,384.6	594.4	681.4	504.4	177.02	3.849			
13,050.0	8,366.2	13,131.8	8,354.6	89.5	89.8	-89.36	-4,434.6	593.7	681.4	502.5	178.91	3.809			
13,100.0	8,366.0	13,181.8	8,354.5	90.4	90.8	-89.36	-4,484.6	592.9	681.4	500.7	180.79	3.769			

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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
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				
13,150.0	8,365.9	13,231.8	8,354.3	91.4	91.7	-89.36	-4,534.6	592.2	681.4	498.8	182.67	3.730				
13,200.0	8,365.8	13,281.8	8,354.2	92.3	92.7	-89.36	-4,584.6	591.5	681.4	496.9	184.56	3.692				
13,250.0	8,365.6	13,331.8	8,354.0	93.3	93.6	-89.36	-4,634.6	590.7	681.5	495.0	186.45	3.655				
13,300.0	8,365.5	13,381.8	8,353.9	94.2	94.5	-89.36	-4,684.6	590.0	681.5	493.1	188.33	3.618				
13,350.0	8,365.3	13,431.8	8,353.7	95.1	95.5	-89.36	-4,734.6	589.2	681.5	491.2	190.22	3.582				
13,400.0	8,365.2	13,481.8	8,353.6	96.1	96.4	-89.36	-4,784.6	588.5	681.5	489.3	192.11	3.547				
13,450.0	8,365.1	13,531.8	8,353.4	97.0	97.4	-89.36	-4,834.6	587.7	681.5	487.5	194.00	3.513				
13,500.0	8,364.9	13,581.8	8,353.3	98.0	98.3	-89.36	-4,884.6	587.0	681.5	485.6	195.89	3.479				
13,550.0	8,364.8	13,631.8	8,353.1	98.9	99.2	-89.36	-4,934.6	586.3	681.5	483.7	197.78	3.445				
13,600.0	8,364.6	13,681.8	8,353.0	99.9	100.2	-89.36	-4,984.5	585.5	681.5	481.8	199.68	3.413				
13,650.0	8,364.5	13,731.8	8,352.9	100.8	101.1	-89.36	-5,034.5	584.8	681.5	479.9	201.57	3.381				
13,700.0	8,364.4	13,781.8	8,352.7	101.8	102.1	-89.36	-5,084.5	584.0	681.5	478.0	203.46	3.349				
13,750.0	8,364.2	13,831.8	8,352.6	102.7	103.0	-89.36	-5,134.5	583.3	681.5	476.1	205.36	3.318				
13,800.0	8,364.1	13,881.8	8,352.4	103.7	104.0	-89.36	-5,184.5	582.6	681.5	474.2	207.25	3.288				
13,850.0	8,363.9	13,931.8	8,352.3	104.6	104.9	-89.36	-5,234.5	581.8	681.5	472.3	209.15	3.258				
13,900.0	8,363.8	13,981.8	8,352.1	105.6	105.8	-89.36	-5,284.5	581.1	681.5	470.4	211.04	3.229				
13,950.0	8,363.7	14,031.8	8,352.0	106.5	106.8	-89.36	-5,334.5	580.3	681.5	468.5	212.94	3.200				
14,000.0	8,363.5	14,081.8	8,351.8	107.5	107.7	-89.35	-5,384.5	579.6	681.5	466.6	214.84	3.172				
14,050.0	8,363.4	14,131.8	8,351.7	108.4	108.7	-89.35	-5,434.5	578.9	681.5	464.8	216.73	3.144				
14,100.0	8,363.2	14,181.8	8,351.6	109.4	109.6	-89.35	-5,484.5	578.1	681.5	462.9	218.63	3.117				
14,150.0	8,363.1	14,231.8	8,351.4	110.3	110.6	-89.35	-5,534.5	577.4	681.5	461.0	220.53	3.090				
14,200.0	8,363.0	14,281.8	8,351.3	111.3	111.5	-89.35	-5,584.5	576.6	681.5	459.1	222.43	3.064				
14,250.0	8,362.8	14,331.8	8,351.1	112.2	112.5	-89.35	-5,634.5	575.9	681.5	457.2	224.33	3.038				
14,300.0	8,362.7	14,381.8	8,351.0	113.2	113.4	-89.35	-5,684.5	575.1	681.5	455.3	226.23	3.012				
14,350.0	8,362.5	14,431.8	8,350.8	114.1	114.4	-89.35	-5,734.5	574.4	681.5	453.4	228.13	2.987				
14,400.0	8,362.4	14,481.8	8,350.7	115.1	115.3	-89.35	-5,784.5	573.7	681.5	451.5	230.03	2.963				
14,450.0	8,362.3	14,531.8	8,350.5	116.0	116.3	-89.35	-5,834.4	572.9	681.5	449.6	231.93	2.938				
14,500.0	8,362.1	14,581.8	8,350.4	117.0	117.2	-89.35	-5,884.4	572.2	681.5	447.7	233.83	2.915				
14,550.0	8,362.0	14,631.8	8,350.2	117.9	118.1	-89.35	-5,934.4	571.4	681.5	445.8	235.74	2.891				
14,600.0	8,361.8	14,681.8	8,350.1	118.9	119.1	-89.35	-5,984.4	570.7	681.5	443.9	237.64	2.868				
14,650.0	8,361.7	14,731.8	8,350.0	119.8	120.0	-89.35	-6,034.4	570.0	681.5	442.0	239.54	2.845				
14,700.0	8,361.6	14,781.8	8,349.8	120.8	121.0	-89.35	-6,084.4	569.2	681.5	440.1	241.44	2.823				
14,750.0	8,361.4	14,831.8	8,349.7	121.7	121.9	-89.35	-6,134.4	568.5	681.5	438.2	243.35	2.801				
14,800.0	8,361.3	14,881.8	8,349.5	122.7	122.9	-89.35	-6,184.4	567.7	681.5	436.3	245.25	2.779				
14,850.0	8,361.1	14,931.8	8,349.4	123.6	123.8	-89.35	-6,234.4	567.0	681.5	434.4	247.16	2.757				
14,900.0	8,361.0	14,981.8	8,349.2	124.6	124.8	-89.35	-6,284.4	566.3	681.5	432.5	249.06	2.736				
14,950.0	8,360.9	15,031.8	8,349.1	125.5	125.7	-89.35	-6,334.4	565.5	681.5	430.6	250.97	2.716				
15,000.0	8,360.7	15,081.8	8,348.9	126.5	126.7	-89.35	-6,384.4	564.8	681.5	428.7	252.87	2.695				
15,050.0	8,360.6	15,131.8	8,348.8	127.4	127.6	-89.35	-6,434.4	564.0	681.5	426.8	254.78	2.675				
15,100.0	8,360.4	15,181.8	8,348.6	128.4	128.6	-89.35	-6,484.4	563.3	681.5	424.9	256.68	2.655				
15,150.0	8,360.3	15,231.8	8,348.5	129.3	129.5	-89.34	-6,534.4	562.6	681.5	422.9	258.59	2.636				
15,200.0	8,360.2	15,281.8	8,348.4	130.3	130.5	-89.34	-6,584.4	561.8	681.5	421.0	260.50	2.616				
15,250.0	8,360.0	15,331.8	8,348.2	131.2	131.5	-89.34	-6,634.4	561.1	681.5	419.1	262.40	2.597				
15,300.0	8,359.9	15,381.8	8,348.1	132.2	132.4	-89.34	-6,684.4	560.3	681.5	417.2	264.31	2.579				
15,350.0	8,359.7	15,431.8	8,347.9	133.2	133.4	-89.34	-6,734.3	559.6	681.5	415.3	266.22	2.560				
15,400.0	8,359.6	15,481.8	8,347.8	134.1	134.3	-89.34	-6,784.3	558.8	681.6	413.4	268.13	2.542				
15,450.0	8,359.5	15,531.8	8,347.6	135.1	135.3	-89.34	-6,834.3	558.1	681.6	411.5	270.04	2.524				
15,500.0	8,359.3	15,581.8	8,347.5	136.0	136.2	-89.34	-6,884.3	557.4	681.6	409.6	271.94	2.506				
15,550.0	8,359.2	15,631.8	8,347.3	137.0	137.2	-89.34	-6,934.3	556.6	681.6	407.7	273.85	2.489				
15,600.0	8,359.0	15,681.8	8,347.2	137.9	138.1	-89.34	-6,984.3	555.9	681.6	405.8	275.76	2.472				
15,650.0	8,358.9	15,731.8	8,347.0	138.9	139.1	-89.34	-7,034.3	555.1	681.6	403.9	277.67	2.455				

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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
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		
15,700.0	8,358.8	15,781.8	8,346.9	139.8	140.0	-89.34	-7,084.3	554.4	681.6	402.0	279.58	2.438		
15,750.0	8,358.6	15,831.8	8,346.8	140.8	141.0	-89.34	-7,134.3	553.7	681.6	400.1	281.49	2.421		
15,800.0	8,358.5	15,881.8	8,346.6	141.7	141.9	-89.34	-7,184.3	552.9	681.6	398.2	283.40	2.405		
15,850.0	8,358.3	15,931.8	8,346.5	142.7	142.9	-89.34	-7,234.3	552.2	681.6	396.3	285.31	2.389		
15,900.0	8,358.2	15,981.8	8,346.3	143.7	143.8	-89.34	-7,284.3	551.4	681.6	394.4	287.22	2.373		
15,950.0	8,358.1	16,031.8	8,346.2	144.6	144.8	-89.34	-7,334.3	550.7	681.6	392.4	289.13	2.357		
16,000.0	8,357.9	16,081.8	8,346.0	145.6	145.7	-89.34	-7,384.3	550.0	681.6	390.5	291.04	2.342		
16,050.0	8,357.8	16,131.8	8,345.9	146.5	146.7	-89.34	-7,434.3	549.2	681.6	388.6	292.95	2.327		
16,100.0	8,357.6	16,181.8	8,345.7	147.5	147.6	-89.34	-7,484.3	548.5	681.6	386.7	294.87	2.311		
16,150.0	8,357.5	16,231.8	8,345.6	148.4	148.6	-89.34	-7,534.3	547.7	681.6	384.8	296.78	2.297		
16,200.0	8,357.4	16,281.8	8,345.5	149.4	149.6	-89.34	-7,584.2	547.0	681.6	382.9	298.69	2.282		
16,250.0	8,357.2	16,331.8	8,345.3	150.3	150.5	-89.34	-7,634.2	546.2	681.6	381.0	300.60	2.267		
16,300.0	8,357.1	16,381.8	8,345.2	151.3	151.5	-89.33	-7,684.2	545.5	681.6	379.1	302.51	2.253		
16,350.0	8,356.9	16,431.8	8,345.0	152.3	152.4	-89.33	-7,734.2	544.8	681.6	377.2	304.43	2.239		
16,400.0	8,356.8	16,481.8	8,344.9	153.2	153.4	-89.33	-7,784.2	544.0	681.6	375.3	306.34	2.225		
16,450.0	8,356.7	16,531.8	8,344.7	154.2	154.3	-89.33	-7,834.2	543.3	681.6	373.3	308.25	2.211		
16,500.0	8,356.5	16,581.8	8,344.6	155.1	155.3	-89.33	-7,884.2	542.5	681.6	371.4	310.16	2.198		
16,550.0	8,356.4	16,631.8	8,344.4	156.1	156.2	-89.33	-7,934.2	541.8	681.6	369.5	312.08	2.184		
16,600.0	8,356.2	16,681.8	8,344.3	157.0	157.2	-89.33	-7,984.2	541.1	681.6	367.6	313.99	2.171		
16,650.0	8,356.1	16,731.8	8,344.1	158.0	158.2	-89.33	-8,034.2	540.3	681.6	365.7	315.90	2.158		
16,700.0	8,356.0	16,781.8	8,344.0	159.0	159.1	-89.33	-8,084.2	539.6	681.6	363.8	317.82	2.145		
16,750.0	8,355.8	16,831.8	8,343.9	159.9	160.1	-89.33	-8,134.2	538.8	681.6	361.9	319.73	2.132		
16,800.0	8,355.7	16,881.8	8,343.7	160.9	161.0	-89.33	-8,184.2	538.1	681.6	360.0	321.65	2.119		
16,850.0	8,355.5	16,931.8	8,343.6	161.8	162.0	-89.33	-8,234.2	537.4	681.6	358.1	323.56	2.107		
16,900.0	8,355.4	16,981.8	8,343.4	162.8	162.9	-89.33	-8,284.2	536.6	681.6	356.1	325.47	2.094		
16,950.0	8,355.3	17,031.8	8,343.3	163.7	163.9	-89.33	-8,334.2	535.9	681.6	354.2	327.39	2.082		
17,000.0	8,355.1	17,081.8	8,343.1	164.7	164.8	-89.33	-8,384.2	535.1	681.6	352.3	329.30	2.070		
17,050.0	8,355.0	17,131.8	8,343.0	165.7	165.8	-89.33	-8,434.2	534.4	681.6	350.4	331.22	2.058		
17,100.0	8,354.8	17,181.8	8,342.8	166.6	166.8	-89.33	-8,484.1	533.7	681.6	348.5	333.13	2.046		
17,150.0	8,354.7	17,231.8	8,342.7	167.6	167.7	-89.33	-8,534.1	532.9	681.6	346.6	335.05	2.034		
17,200.0	8,354.6	17,281.8	8,342.5	168.5	168.7	-89.33	-8,584.1	532.2	681.6	344.7	336.96	2.023		
17,250.0	8,354.4	17,331.8	8,342.4	169.5	169.6	-89.33	-8,634.1	531.4	681.6	342.8	338.88	2.011		
17,300.0	8,354.3	17,381.8	8,342.3	170.4	170.6	-89.33	-8,684.1	530.7	681.6	340.8	340.79	2.000		
17,350.0	8,354.1	17,431.8	8,342.1	171.4	171.5	-89.33	-8,734.1	529.9	681.6	338.9	342.71	1.989		
17,400.0	8,354.0	17,481.8	8,342.0	172.4	172.5	-89.33	-8,784.1	529.2	681.6	337.0	344.63	1.978		
17,450.0	8,353.9	17,531.8	8,341.8	173.3	173.4	-89.32	-8,834.1	528.5	681.6	335.1	346.54	1.967		
17,500.0	8,353.7	17,581.8	8,341.7	174.3	174.4	-89.32	-8,884.1	527.7	681.6	333.2	348.46	1.956		
17,550.0	8,353.6	17,631.8	8,341.5	175.2	175.4	-89.32	-8,934.1	527.0	681.7	331.3	350.37	1.945		
17,600.0	8,353.4	17,681.8	8,341.4	176.2	176.3	-89.32	-8,984.1	526.2	681.7	329.4	352.29	1.935		
17,650.0	8,353.3	17,731.8	8,341.2	177.2	177.3	-89.32	-9,034.1	525.5	681.7	327.4	354.21	1.924		
17,700.0	8,353.2	17,781.8	8,341.1	178.1	178.2	-89.32	-9,084.1	524.8	681.7	325.5	356.12	1.914		
17,750.0	8,353.0	17,831.8	8,341.0	179.1	179.2	-89.32	-9,134.1	524.0	681.7	323.6	358.04	1.904		
17,800.0	8,352.9	17,881.8	8,340.8	180.0	180.1	-89.32	-9,184.1	523.3	681.7	321.7	359.96	1.894		
17,850.0	8,352.7	17,931.8	8,340.7	181.0	181.1	-89.32	-9,234.1	522.5	681.7	319.8	361.87	1.884		
17,900.0	8,352.6	17,981.8	8,340.5	181.9	182.1	-89.32	-9,284.1	521.8	681.7	317.9	363.79	1.874		
17,950.0	8,352.5	18,031.8	8,340.4	182.9	183.0	-89.32	-9,334.0	521.1	681.7	316.0	365.71	1.864		
18,000.0	8,352.3	18,081.8	8,340.2	183.9	184.0	-89.32	-9,384.0	520.3	681.7	314.0	367.62	1.854		
18,050.0	8,352.2	18,131.8	8,340.1	184.8	184.9	-89.32	-9,434.0	519.6	681.7	312.1	369.54	1.845		
18,064.7	8,352.1	18,146.4	8,340.0	185.1	185.2	-89.32	-9,448.7	519.4	681.7	311.6	370.10	1.842		
18,100.0	8,352.0	18,159.8	8,340.0	185.8	185.5	-89.32	-9,462.1	519.2	682.0	311.0	371.04	1.838 SF		
18,113.7	8,352.0	18,159.8	8,340.0	186.0	185.5	-89.32	-9,462.1	519.2	682.6	311.3	371.30	1.838		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	6.0	6.0	0.0	0.0	-93.43	-3.6	-60.7	60.8	60.8	0.01	8,777.673		
50.0	50.0	56.0	56.0	0.1	0.1	-93.43	-3.6	-60.7	60.8	60.7	0.12	510.325		
100.0	100.0	106.0	106.0	0.1	0.1	-93.43	-3.6	-60.7	60.8	60.6	0.24	255.351		
150.0	150.0	156.0	156.0	0.2	0.2	-93.43	-3.6	-60.7	60.8	60.4	0.46	131.394		
200.0	200.0	206.0	206.0	0.3	0.4	-93.43	-3.6	-60.7	60.8	60.2	0.69	88.455		
250.0	250.0	256.0	256.0	0.4	0.5	-93.43	-3.6	-60.7	60.8	59.9	0.91	66.668		
300.0	300.0	306.0	306.0	0.6	0.6	-93.43	-3.6	-60.7	60.8	59.7	1.14	53.493		
350.0	350.0	356.0	356.0	0.7	0.7	-93.43	-3.6	-60.7	60.8	59.5	1.36	44.665		
400.0	400.0	406.0	406.0	0.8	0.8	-93.43	-3.6	-60.7	60.8	59.3	1.59	38.339		
450.0	450.0	456.0	456.0	0.9	0.9	-93.43	-3.6	-60.7	60.8	59.0	1.81	33.582		
500.0	500.0	506.0	506.0	1.0	1.0	-93.43	-3.6	-60.7	60.8	58.8	2.04	29.876		
550.0	550.0	556.0	556.0	1.1	1.1	-93.43	-3.6	-60.7	60.8	58.6	2.26	26.906		
600.0	600.0	606.0	606.0	1.2	1.2	-93.43	-3.6	-60.7	60.8	58.4	2.49	24.473		
650.0	650.0	656.0	656.0	1.3	1.4	-93.43	-3.6	-60.7	60.8	58.1	2.71	22.444		
700.0	700.0	706.0	706.0	1.5	1.5	-93.43	-3.6	-60.7	60.8	57.9	2.94	20.725		
750.0	750.0	756.0	756.0	1.6	1.6	-93.43	-3.6	-60.7	60.8	57.7	3.16	19.251		
781.1	781.1	787.1	787.1	1.6	1.7	-93.43	-3.6	-60.7	60.8	57.5	3.30	18.437 CC		
800.0	800.0	805.9	805.9	1.7	1.7	-93.43	-3.6	-60.7	60.8	57.5	3.38	17.977 ES		
850.0	850.0	855.3	855.3	1.8	1.8	-93.19	-3.4	-61.0	61.1	57.5	3.61	16.960		
900.0	900.0	904.7	904.7	1.9	1.9	-92.56	-2.8	-61.9	61.9	58.1	3.83	16.191		
950.0	950.0	954.1	954.0	2.0	2.0	-91.59	-1.8	-63.2	63.2	59.2	4.05	15.636		
1,000.0	1,000.0	1,003.4	1,003.3	2.1	2.1	-90.31	-0.4	-65.0	65.1	60.8	4.26	15.261		
1,050.0	1,050.0	1,052.6	1,052.4	2.2	2.2	-88.78	1.4	-67.4	67.5	63.0	4.49	15.040		
1,100.0	1,100.0	1,101.7	1,101.4	2.4	2.4	-87.06	3.6	-70.2	70.4	65.7	4.71	14.963		
1,150.0	1,150.0	1,150.8	1,150.3	2.5	2.5	-85.22	6.1	-73.5	74.0	69.1	4.93	15.008		
1,200.0	1,200.0	1,200.0	1,199.3	2.6	2.6	-83.30	9.1	-77.3	78.2	73.0	5.15	15.169		
1,250.0	1,250.0	1,248.5	1,247.5	2.7	2.7	-81.39	12.4	-81.6	83.0	77.6	5.38	15.432		
1,300.0	1,300.0	1,297.2	1,295.8	2.8	2.8	-79.50	16.0	-86.4	88.4	82.8	5.60	15.793		
1,350.0	1,350.0	1,345.6	1,343.8	2.9	3.0	-77.67	20.0	-91.6	94.6	88.7	5.83	16.231		
1,400.0	1,400.0	1,394.0	1,391.6	3.0	3.1	-75.93	24.4	-97.3	101.4	95.3	6.05	16.751		
1,450.0	1,450.0	1,442.1	1,439.1	3.1	3.3	-74.29	29.1	-103.5	108.8	102.5	6.28	17.332		
1,500.0	1,500.0	1,491.1	1,487.4	3.3	3.4	-72.76	34.2	-110.1	116.7	110.2	6.51	17.944		
1,550.0	1,550.0	1,540.4	1,535.9	3.4	3.6	-71.41	39.2	-116.7	124.8	118.0	6.73	18.527		
1,600.0	1,600.0	1,589.6	1,584.5	3.5	3.7	-70.23	44.3	-123.3	132.8	125.9	6.96	19.084		
1,650.0	1,650.0	1,638.9	1,633.0	3.6	3.9	-69.18	49.4	-130.0	140.9	133.8	7.19	19.609		
1,700.0	1,700.0	1,688.2	1,681.6	3.7	4.1	-68.25	54.5	-136.6	149.1	141.7	7.42	20.109		
1,750.0	1,750.0	1,737.5	1,730.2	3.8	4.2	-67.41	59.6	-143.3	157.3	149.7	7.64	20.580		
1,800.0	1,800.0	1,786.7	1,778.7	3.9	4.4	-66.66	64.7	-149.9	165.5	157.7	7.87	21.029		
1,850.0	1,850.0	1,836.0	1,827.3	4.0	4.6	-65.98	69.8	-156.5	173.8	165.7	8.10	21.453		
1,900.0	1,900.0	1,885.3	1,875.8	4.2	4.8	-65.36	74.9	-163.2	182.1	173.7	8.33	21.856		
1,950.0	1,950.0	1,934.6	1,924.4	4.3	4.9	-64.79	80.0	-169.8	190.4	181.8	8.56	22.238		
2,000.0	2,000.0	1,983.8	1,973.0	4.4	5.1	-64.27	85.0	-176.5	198.7	189.9	8.79	22.602		
2,050.0	2,050.0	2,033.1	2,021.5	4.5	5.3	-62.22	90.1	-183.1	206.8	197.8	9.03	22.916		
2,100.0	2,100.0	2,082.5	2,070.2	4.6	5.5	-61.90	95.2	-189.8	214.7	205.5	9.26	23.193		
2,150.0	2,150.0	2,131.9	2,118.9	4.7	5.6	-61.75	100.3	-196.4	222.3	212.8	9.49	23.422		
2,200.0	2,199.9	2,181.4	2,167.6	4.8	5.8	-61.76	105.4	-203.1	229.6	219.8	9.72	23.607		
2,250.0	2,249.8	2,230.9	2,216.4	4.9	6.0	-61.91	110.6	-209.8	236.5	226.6	9.96	23.748		
2,300.0	2,299.7	2,280.4	2,265.2	5.1	6.2	-62.18	115.7	-216.4	243.2	233.0	10.20	23.852		
2,350.0	2,349.5	2,330.0	2,314.1	5.2	6.4	-62.57	120.8	-223.1	249.6	239.1	10.44	23.916		
2,400.0	2,399.3	2,379.5	2,362.9	5.3	6.6	-63.07	125.9	-229.8	255.7	245.0	10.68	23.948		
2,450.0	2,449.0	2,429.1	2,411.8	5.4	6.8	-63.68	131.0	-236.5	261.5	250.6	10.92	23.944		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	
2,500.0	2,498.6	2,478.7	2,460.6	5.5	6.9	-64.38	136.1	-243.2	267.1	255.9	11.17	23.914	
2,550.0	2,548.1	2,528.2	2,509.4	5.6	7.1	-65.19	141.3	-249.8	272.5	261.0	11.42	23.852	
2,600.0	2,597.6	2,577.7	2,558.2	5.8	7.3	-66.09	146.4	-256.5	277.7	266.0	11.68	23.771	
2,650.0	2,647.0	2,627.3	2,607.0	5.9	7.5	-66.99	151.5	-263.2	283.0	271.1	11.95	23.689	
2,700.0	2,696.5	2,676.8	2,655.8	6.0	7.7	-67.85	156.6	-269.9	288.4	276.2	12.21	23.612	
2,750.0	2,746.0	2,726.3	2,704.6	6.2	7.9	-68.67	161.7	-276.5	293.8	281.4	12.49	23.533	
2,800.0	2,795.4	2,775.8	2,753.5	6.3	8.1	-69.47	166.8	-283.2	299.3	286.6	12.76	23.459	
2,850.0	2,844.9	2,825.4	2,802.3	6.4	8.3	-70.24	171.9	-289.9	304.9	291.9	13.04	23.383	
2,900.0	2,894.3	2,874.9	2,851.1	6.6	8.4	-70.98	177.1	-296.6	310.5	297.2	13.32	23.311	
2,950.0	2,943.8	2,924.4	2,899.9	6.7	8.6	-71.70	182.2	-303.2	316.2	302.5	13.61	23.238	
3,000.0	2,993.3	2,973.9	2,948.7	6.8	8.8	-72.39	187.3	-309.9	321.9	308.0	13.89	23.169	
3,050.0	3,042.7	3,023.5	2,997.5	7.0	9.0	-73.05	192.4	-316.6	327.6	313.4	14.18	23.099	
3,100.0	3,092.2	3,073.0	3,046.3	7.1	9.2	-73.69	197.5	-323.3	333.4	318.9	14.48	23.032	
3,150.0	3,141.7	3,122.5	3,095.1	7.3	9.4	-74.32	202.6	-329.9	339.2	324.5	14.77	22.965	
3,200.0	3,191.1	3,172.0	3,143.9	7.4	9.6	-74.92	207.7	-336.6	345.1	330.0	15.07	22.902	
3,250.0	3,240.6	3,221.6	3,192.7	7.6	9.8	-75.50	212.9	-343.3	351.0	335.6	15.37	22.838	
3,300.0	3,290.1	3,271.1	3,241.5	7.7	10.0	-76.06	218.0	-350.0	356.9	341.3	15.67	22.777	
3,350.0	3,339.5	3,320.6	3,290.3	7.9	10.2	-76.60	223.1	-356.6	362.9	346.9	15.98	22.717	
3,400.0	3,389.0	3,370.1	3,339.1	8.0	10.4	-77.12	228.2	-363.3	368.9	352.6	16.28	22.659	
3,450.0	3,438.4	3,419.7	3,387.9	8.2	10.5	-77.63	233.3	-370.0	374.9	358.4	16.59	22.601	
3,500.0	3,487.9	3,469.2	3,436.7	8.3	10.7	-78.13	238.4	-376.7	381.0	364.1	16.90	22.546	
3,550.0	3,537.4	3,518.7	3,485.6	8.5	10.9	-78.60	243.5	-383.3	387.1	369.9	17.21	22.491	
3,600.0	3,586.8	3,568.3	3,534.4	8.6	11.1	-79.06	248.7	-390.0	393.2	375.7	17.52	22.439	
3,650.0	3,636.3	3,617.8	3,583.2	8.8	11.3	-79.51	253.8	-396.7	399.3	381.5	17.84	22.387	
3,700.0	3,685.8	3,667.3	3,632.0	8.9	11.5	-79.95	258.9	-403.4	405.5	387.4	18.15	22.338	
3,750.0	3,735.2	3,716.8	3,680.8	9.1	11.7	-80.37	264.0	-410.0	411.7	393.2	18.47	22.289	
3,800.0	3,784.7	3,766.4	3,729.6	9.3	11.9	-80.78	269.1	-416.7	417.9	399.1	18.79	22.242	
3,850.0	3,834.2	3,815.9	3,778.4	9.4	12.1	-81.17	274.2	-423.4	424.1	405.0	19.11	22.196	
3,900.0	3,883.6	3,865.4	3,827.2	9.6	12.3	-81.56	279.3	-430.1	430.4	410.9	19.43	22.151	
3,950.0	3,933.1	3,914.9	3,876.0	9.7	12.5	-81.93	284.5	-436.7	436.6	416.9	19.75	22.107	
4,000.0	3,982.5	3,964.5	3,924.8	9.9	12.7	-82.30	289.6	-443.4	442.9	422.8	20.07	22.065	
4,050.0	4,032.0	4,014.0	3,973.6	10.1	12.8	-82.65	294.7	-450.1	449.2	428.8	20.40	22.024	
4,100.0	4,081.5	4,063.5	4,022.4	10.2	13.0	-83.00	299.8	-456.8	455.5	434.8	20.72	21.984	
4,150.0	4,130.9	4,113.0	4,071.2	10.4	13.2	-83.33	304.9	-463.4	461.9	440.8	21.05	21.945	
4,200.0	4,180.4	4,162.6	4,120.0	10.5	13.4	-83.66	310.0	-470.1	468.2	446.8	21.37	21.907	
4,250.0	4,229.9	4,212.1	4,168.9	10.7	13.6	-83.97	315.1	-476.8	474.6	452.9	21.70	21.870	
4,300.0	4,279.3	4,261.6	4,217.7	10.9	13.8	-84.28	320.3	-483.5	480.9	458.9	22.03	21.834	
4,350.0	4,328.8	4,311.1	4,266.5	11.0	14.0	-84.58	325.4	-490.1	487.3	465.0	22.36	21.799	
4,400.0	4,378.3	4,360.7	4,315.3	11.2	14.2	-84.88	330.5	-496.8	493.7	471.1	22.68	21.766	
4,450.0	4,427.7	4,410.2	4,364.1	11.4	14.4	-85.16	335.6	-503.5	500.2	477.1	23.01	21.733	
4,500.0	4,477.2	4,459.7	4,412.9	11.5	14.6	-85.44	340.7	-510.2	506.6	483.2	23.34	21.701	
4,550.0	4,526.6	4,509.2	4,461.7	11.7	14.8	-85.71	345.8	-516.8	513.0	489.3	23.67	21.669	
4,600.0	4,576.1	4,558.8	4,510.5	11.9	15.0	-85.98	350.9	-523.5	519.5	495.5	24.01	21.639	
4,650.0	4,625.6	4,608.3	4,559.3	12.0	15.2	-86.23	356.1	-530.2	525.9	501.6	24.34	21.609	
4,700.0	4,675.0	4,657.8	4,608.1	12.2	15.4	-86.48	361.2	-536.9	532.4	507.7	24.67	21.580	
4,750.0	4,724.5	4,707.3	4,656.9	12.4	15.6	-86.73	366.3	-543.5	538.9	513.9	25.00	21.552	
4,800.0	4,774.0	4,756.9	4,705.7	12.5	15.7	-86.97	371.4	-550.2	545.4	520.0	25.34	21.525	
4,850.0	4,823.4	4,806.4	4,754.5	12.7	15.9	-87.20	376.5	-556.9	551.9	526.2	25.67	21.498	
4,900.0	4,872.9	4,855.9	4,803.3	12.8	16.1	-87.43	381.6	-563.6	558.4	532.4	26.00	21.472	
4,950.0	4,922.4	4,905.5	4,852.1	13.0	16.3	-87.66	386.7	-570.2	564.9	538.5	26.34	21.447	
5,000.0	4,971.8	4,955.0	4,901.0	13.2	16.5	-87.88	391.9	-576.9	571.4	544.7	26.67	21.423	

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 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	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)				
5,050.0	5,021.3	5,004.5	4,949.8	13.3	16.7	-88.09	397.0	-583.6	577.9	550.9	27.01	21.399			
5,100.0	5,070.7	5,054.0	4,998.6	13.5	16.9	-88.30	402.1	-590.3	584.5	557.1	27.34	21.375			
5,150.0	5,120.2	5,103.6	5,047.4	13.7	17.1	-88.50	407.2	-596.9	591.0	563.3	27.68	21.352			
5,200.0	5,169.7	5,153.1	5,096.2	13.9	17.3	-88.70	412.3	-603.6	597.6	569.6	28.02	21.330			
5,250.0	5,219.1	5,202.6	5,145.0	14.0	17.5	-88.90	417.4	-610.3	604.1	575.8	28.35	21.309			
5,300.0	5,268.6	5,252.1	5,193.8	14.2	17.7	-89.09	422.5	-617.0	610.7	582.0	28.69	21.287			
5,350.0	5,318.1	5,301.7	5,242.6	14.4	17.9	-89.27	427.7	-623.6	617.3	588.3	29.03	21.267			
5,400.0	5,367.5	5,351.2	5,291.4	14.5	18.1	-89.46	432.8	-630.3	623.9	594.5	29.36	21.247			
5,450.0	5,417.0	5,400.7	5,340.2	14.7	18.3	-89.64	437.9	-637.0	630.4	600.7	29.70	21.227			
5,500.0	5,466.5	5,450.2	5,389.0	14.9	18.5	-89.81	443.0	-643.7	637.0	607.0	30.04	21.208			
5,550.0	5,515.9	5,499.8	5,437.8	15.0	18.7	-89.98	448.1	-650.3	643.6	613.3	30.38	21.189			
5,600.0	5,565.4	5,549.3	5,486.6	15.2	18.8	-90.15	453.2	-657.0	650.2	619.5	30.71	21.171			
5,650.0	5,614.9	5,603.6	5,540.1	15.4	19.0	-90.41	458.8	-664.2	656.8	625.7	31.05	21.152			
5,700.0	5,664.5	5,663.8	5,599.7	15.5	19.2	-90.68	464.3	-671.4	662.6	631.3	31.37	21.126			
5,750.0	5,714.2	5,724.3	5,659.6	15.6	19.4	-90.92	469.0	-677.6	667.7	636.0	31.64	21.101			
5,800.0	5,764.0	5,784.9	5,719.9	15.7	19.5	-91.11	473.0	-682.8	671.9	640.0	31.91	21.058			
5,850.0	5,813.8	5,845.6	5,780.4	15.8	19.6	-91.27	476.2	-687.0	675.3	643.2	32.14	21.009			
5,900.0	5,863.8	5,906.5	5,841.2	15.9	19.7	-91.39	478.7	-690.2	677.9	645.5	32.37	20.941			
5,950.0	5,913.7	5,967.5	5,902.1	16.0	19.8	-91.47	480.3	-692.4	679.6	647.1	32.57	20.868			
6,000.0	5,963.7	6,028.5	5,963.0	16.1	19.9	-91.52	481.2	-693.5	680.6	647.8	32.76	20.777			
6,050.0	6,013.7	6,085.1	6,019.7	16.2	20.0	-93.09	481.4	-693.7	680.7	647.7	33.01	20.624			
6,100.0	6,063.7	6,135.1	6,069.7	16.3	20.1	-93.09	481.4	-693.7	680.7	647.5	33.17	20.523			
6,150.0	6,113.7	6,185.1	6,119.7	16.3	20.1	-93.09	481.4	-693.7	680.7	647.4	33.34	20.416			
6,200.0	6,163.7	6,235.1	6,169.7	16.4	20.2	-93.09	481.4	-693.7	680.7	647.2	33.52	20.310			
6,250.0	6,213.7	6,285.1	6,219.7	16.5	20.3	-93.09	481.4	-693.7	680.7	647.0	33.69	20.205			
6,300.0	6,263.7	6,335.1	6,269.7	16.6	20.4	-93.09	481.4	-693.7	680.7	646.8	33.87	20.101			
6,350.0	6,313.7	6,385.1	6,319.7	16.7	20.4	-93.09	481.4	-693.7	680.7	646.7	34.04	19.997			
6,400.0	6,363.7	6,435.1	6,369.7	16.8	20.5	-93.09	481.4	-693.7	680.7	646.5	34.22	19.894			
6,450.0	6,413.7	6,485.1	6,419.7	16.9	20.6	-93.09	481.4	-693.7	680.7	646.3	34.39	19.792			
6,500.0	6,463.7	6,535.1	6,469.7	17.0	20.7	-93.09	481.4	-693.7	680.7	646.1	34.57	19.691			
6,550.0	6,513.7	6,585.1	6,519.7	17.1	20.7	-93.09	481.4	-693.7	680.7	646.0	34.75	19.590			
6,600.0	6,563.7	6,635.1	6,569.7	17.2	20.8	-93.09	481.4	-693.7	680.7	645.8	34.93	19.490			
6,650.0	6,613.7	6,685.1	6,619.7	17.3	20.9	-93.09	481.4	-693.7	680.7	645.6	35.11	19.391			
6,700.0	6,663.7	6,735.1	6,669.7	17.3	21.0	-93.09	481.4	-693.7	680.7	645.4	35.28	19.292			
6,750.0	6,713.7	6,785.1	6,719.7	17.4	21.0	-93.09	481.4	-693.7	680.7	645.2	35.46	19.194			
6,800.0	6,763.7	6,835.1	6,769.7	17.5	21.1	-93.09	481.4	-693.7	680.7	645.1	35.65	19.097			
6,850.0	6,813.7	6,885.1	6,819.7	17.6	21.2	-93.09	481.4	-693.7	680.7	644.9	35.83	19.001			
6,900.0	6,863.7	6,935.1	6,869.7	17.7	21.3	-93.09	481.4	-693.7	680.7	644.7	36.01	18.905			
6,950.0	6,913.7	6,985.1	6,919.7	17.8	21.4	-93.09	481.4	-693.7	680.7	644.5	36.19	18.810			
7,000.0	6,963.7	7,035.1	6,969.7	17.9	21.4	-93.09	481.4	-693.7	680.7	644.3	36.37	18.716			
7,050.0	7,013.7	7,085.1	7,019.7	18.0	21.5	-93.09	481.4	-693.7	680.7	644.2	36.55	18.622			
7,100.0	7,063.7	7,135.1	7,069.7	18.1	21.6	-93.09	481.4	-693.7	680.7	644.0	36.74	18.529			
7,150.0	7,113.7	7,185.1	7,119.7	18.2	21.7	-93.09	481.4	-693.7	680.7	643.8	36.92	18.437			
7,200.0	7,163.7	7,235.1	7,169.7	18.3	21.8	-93.09	481.4	-693.7	680.7	643.6	37.11	18.345			
7,250.0	7,213.7	7,285.1	7,219.7	18.4	21.8	-93.09	481.4	-693.7	680.7	643.4	37.29	18.254			
7,300.0	7,263.7	7,335.1	7,269.7	18.5	21.9	-93.09	481.4	-693.7	680.7	643.2	37.48	18.164			
7,350.0	7,313.7	7,385.1	7,319.7	18.6	22.0	-93.09	481.4	-693.7	680.7	643.1	37.66	18.075			
7,400.0	7,363.7	7,435.1	7,369.7	18.7	22.1	-93.09	481.4	-693.7	680.7	642.9	37.85	17.986			
7,450.0	7,413.7	7,485.1	7,419.7	18.8	22.2	-93.09	481.4	-693.7	680.7	642.7	38.03	17.898			
7,500.0	7,463.7	7,535.1	7,469.7	18.9	22.2	-93.09	481.4	-693.7	680.7	642.5	38.22	17.810			
7,550.0	7,513.7	7,585.1	7,519.7	19.0	22.3	-93.09	481.4	-693.7	680.7	642.3	38.41	17.724			

COMPASS 5000.1 Build 74

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	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)			
7,600.0	7,563.7	7,635.1	7,569.7	19.1	22.4	-93.09	481.4	-693.7	680.7	642.1	38.59	17.638		
7,650.0	7,613.7	7,685.1	7,619.7	19.1	22.5	-93.09	481.4	-693.7	680.7	641.9	38.78	17.552		
7,700.0	7,663.7	7,735.1	7,669.7	19.2	22.6	86.05	481.4	-693.7	680.7	641.8	38.90	17.501		
7,750.0	7,713.7	7,782.4	7,716.9	19.3	22.6	86.09	480.1	-693.7	680.7	641.7	39.02	17.443		
7,800.0	7,763.4	7,829.4	7,763.7	19.3	22.7	86.15	475.7	-693.8	680.6	641.5	39.09	17.410		
7,850.0	7,812.6	7,876.4	7,810.2	19.4	22.7	86.23	468.3	-693.9	680.6	641.4	39.12	17.398		
7,900.0	7,861.0	7,923.5	7,856.1	19.3	22.7	86.33	457.8	-694.1	680.5	641.4	39.09	17.408		
7,950.0	7,908.5	7,970.7	7,901.3	19.3	22.7	86.44	444.3	-694.3	680.4	641.4	39.02	17.437		
8,000.0	7,954.8	8,018.0	7,945.6	19.3	22.6	86.57	427.8	-694.5	680.3	641.4	38.91	17.482		
8,050.0	7,999.7	8,065.4	7,988.8	19.2	22.6	86.71	408.4	-694.8	680.1	641.4	38.78	17.540		
8,100.0	8,042.9	8,112.9	8,030.7	19.1	22.5	86.88	386.1	-695.1	680.0	641.4	38.62	17.609		
8,150.0	8,084.3	8,160.5	8,071.2	19.0	22.5	87.05	361.0	-695.4	679.9	641.4	38.45	17.684		
8,200.0	8,123.6	8,208.2	8,110.0	19.0	22.4	87.24	333.3	-695.8	679.8	641.5	38.27	17.761		
8,250.0	8,160.7	8,256.0	8,146.9	18.9	22.3	87.44	302.9	-696.3	679.6	641.5	38.10	17.836		
8,300.0	8,195.3	8,304.1	8,181.9	18.8	22.3	87.66	270.0	-696.7	679.5	641.5	37.95	17.902		
8,350.0	8,227.3	8,352.2	8,214.7	18.8	22.2	87.88	234.7	-697.2	679.3	641.5	37.83	17.956		
8,400.0	8,256.6	8,400.0	8,244.7	18.7	22.1	88.12	197.6	-697.7	679.2	641.5	37.75	17.991		
8,450.0	8,283.0	8,449.1	8,273.0	18.7	22.0	88.37	157.5	-698.3	679.1	641.4	37.72	18.003		
8,500.0	8,306.3	8,497.8	8,298.3	18.7	22.0	88.62	115.8	-698.9	679.0	641.2	37.75	17.987		
8,550.0	8,326.6	8,546.7	8,320.8	18.8	21.9	88.88	72.4	-699.5	678.9	641.0	37.84	17.939		
8,600.0	8,343.5	8,595.8	8,340.3	18.9	21.8	89.15	27.4	-700.2	678.8	640.7	38.01	17.858		
8,650.0	8,357.2	8,645.2	8,356.8	19.0	21.8	89.42	-19.1	-700.8	678.7	640.4	38.25	17.742		
8,700.0	8,367.4	8,694.7	8,370.0	19.2	21.8	89.69	-66.8	-701.5	678.6	640.0	38.58	17.590		
8,750.0	8,374.3	8,744.5	8,380.0	19.4	21.8	89.97	-115.6	-702.2	678.5	639.6	38.98	17.406		
8,800.0	8,377.6	8,794.5	8,386.6	19.7	21.8	90.25	-165.1	-702.9	678.5	639.0	39.47	17.192		
8,850.0	8,377.9	8,844.7	8,389.7	20.0	21.9	90.49	-215.2	-703.6	678.5	638.5	40.01	16.957		
8,891.4	8,377.8	8,885.8	8,389.9	20.2	22.0	90.52	-256.3	-704.2	678.5	638.0	40.46	16.767		
8,900.0	8,377.8	8,894.4	8,389.9	20.3	22.1	90.52	-264.9	-704.3	678.5	637.9	40.55	16.730		
8,950.0	8,377.7	8,944.4	8,389.8	20.6	22.3	90.52	-314.9	-705.1	678.5	637.2	41.31	16.425		
9,000.0	8,377.5	8,994.4	8,389.7	21.0	22.6	90.52	-364.9	-705.8	678.5	636.4	42.08	16.125		
9,050.0	8,377.4	9,044.4	8,389.5	21.5	23.0	90.52	-414.9	-706.6	678.5	635.5	42.98	15.787		
9,100.0	8,377.2	9,094.4	8,389.4	22.0	23.4	90.52	-464.9	-707.3	678.5	634.6	43.89	15.459		
9,150.0	8,377.1	9,144.4	8,389.3	22.5	23.8	90.52	-514.9	-708.1	678.5	633.6	44.92	15.105		
9,200.0	8,377.0	9,194.4	8,389.2	23.0	24.3	90.52	-564.9	-708.8	678.5	632.5	45.95	14.765		
9,250.0	8,376.8	9,244.4	8,389.0	23.6	24.9	90.52	-614.9	-709.5	678.5	631.4	47.09	14.408		
9,300.0	8,376.7	9,294.4	8,388.9	24.2	25.4	90.53	-664.9	-710.3	678.5	630.3	48.24	14.066		
9,350.0	8,376.5	9,344.4	8,388.8	24.8	26.0	90.53	-714.9	-711.0	678.5	629.0	49.47	13.714		
9,400.0	8,376.4	9,394.4	8,388.6	25.4	26.6	90.53	-764.8	-711.8	678.5	627.8	50.71	13.379		
9,450.0	8,376.3	9,444.4	8,388.5	26.1	27.2	90.53	-814.8	-712.5	678.5	626.5	52.03	13.040		
9,500.0	8,376.1	9,494.4	8,388.4	26.8	27.9	90.53	-864.8	-713.3	678.5	625.1	53.35	12.717		
9,550.0	8,376.0	9,544.4	8,388.2	27.5	28.5	90.53	-914.8	-714.0	678.5	623.8	54.74	12.395		
9,600.0	8,375.8	9,594.4	8,388.1	28.2	29.2	90.53	-964.8	-714.8	678.5	622.4	56.13	12.087		
9,650.0	8,375.7	9,644.4	8,388.0	28.9	29.9	90.53	-1,014.8	-715.5	678.5	620.9	57.58	11.783		
9,700.0	8,375.6	9,694.4	8,387.9	29.6	30.6	90.53	-1,064.8	-716.3	678.5	619.5	59.03	11.494		
9,750.0	8,375.4	9,744.4	8,387.7	30.4	31.3	90.53	-1,114.8	-717.0	678.5	618.0	60.54	11.209		
9,800.0	8,375.3	9,794.4	8,387.6	31.2	32.1	90.53	-1,164.8	-717.7	678.5	616.5	62.04	10.937		
9,850.0	8,375.1	9,844.4	8,387.5	31.9	32.8	90.54	-1,214.8	-718.5	678.5	614.9	63.59	10.671		
9,900.0	8,375.0	9,894.4	8,387.3	32.7	33.6	90.54	-1,264.8	-719.2	678.5	613.4	65.13	10.417		
9,950.0	8,374.9	9,944.4	8,387.2	33.5	34.3	90.54	-1,314.8	-720.0	678.5	611.8	66.72	10.170		
10,000.0	8,374.7	9,994.4	8,387.1	34.3	35.1	90.54	-1,364.8	-720.7	678.5	610.2	68.31	9.934		
10,050.0	8,374.6	10,044.4	8,387.0	35.1	35.9	90.54	-1,414.8	-721.5	678.5	608.6	69.93	9.704		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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		
10,100.0	8,374.4	10,094.4	8,386.8	35.9	36.7	90.54	-1,464.8	-722.2	678.5	607.0	71.55	9.484		
10,150.0	8,374.3	10,144.4	8,386.7	36.8	37.5	90.54	-1,514.8	-723.0	678.5	605.3	73.19	9.270		
10,200.0	8,374.2	10,194.4	8,386.6	37.6	38.3	90.54	-1,564.8	-723.7	678.5	603.7	74.84	9.066		
10,250.0	8,374.0	10,244.4	8,386.4	38.4	39.1	90.54	-1,614.8	-724.5	678.5	602.0	76.52	8.868		
10,300.0	8,373.9	10,294.4	8,386.3	39.3	39.9	90.54	-1,664.7	-725.2	678.5	600.3	78.19	8.678		
10,350.0	8,373.7	10,344.4	8,386.2	40.1	40.7	90.54	-1,714.7	-725.9	678.5	598.7	79.89	8.494		
10,400.0	8,373.6	10,394.4	8,386.0	41.0	41.6	90.55	-1,764.7	-726.7	678.5	597.0	81.59	8.317		
10,450.0	8,373.5	10,444.4	8,385.9	41.8	42.4	90.55	-1,814.7	-727.4	678.5	595.2	83.30	8.146		
10,500.0	8,373.3	10,494.4	8,385.8	42.7	43.3	90.55	-1,864.7	-728.2	678.6	593.5	85.02	7.981		
10,550.0	8,373.2	10,544.4	8,385.7	43.6	44.1	90.55	-1,914.7	-728.9	678.6	591.8	86.75	7.822		
10,600.0	8,373.0	10,594.4	8,385.5	44.4	45.0	90.55	-1,964.7	-729.7	678.6	590.1	88.49	7.669		
10,650.0	8,372.9	10,644.4	8,385.4	45.3	45.8	90.55	-2,014.7	-730.4	678.6	588.3	90.23	7.520		
10,700.0	8,372.8	10,694.4	8,385.3	46.2	46.7	90.55	-2,064.7	-731.2	678.6	586.6	91.98	7.377		
10,750.0	8,372.6	10,744.4	8,385.1	47.1	47.5	90.55	-2,114.7	-731.9	678.6	584.8	93.75	7.238		
10,800.0	8,372.5	10,794.4	8,385.0	48.0	48.4	90.55	-2,164.7	-732.7	678.6	583.1	95.51	7.105		
10,850.0	8,372.3	10,844.4	8,384.9	48.8	49.3	90.55	-2,214.7	-733.4	678.6	581.3	97.28	6.975		
10,900.0	8,372.2	10,894.4	8,384.8	49.7	50.2	90.55	-2,264.7	-734.1	678.6	579.5	99.06	6.850		
10,950.0	8,372.1	10,944.4	8,384.6	50.6	51.0	90.55	-2,314.7	-734.9	678.6	577.7	100.85	6.729		
11,000.0	8,371.9	10,994.4	8,384.5	51.5	51.9	90.56	-2,364.7	-735.6	678.6	575.9	102.63	6.612		
11,050.0	8,371.8	11,044.4	8,384.4	52.4	52.8	90.56	-2,414.7	-736.4	678.6	574.1	104.43	6.498		
11,100.0	8,371.6	11,094.4	8,384.2	53.3	53.7	90.56	-2,464.7	-737.1	678.6	572.4	106.22	6.388		
11,150.0	8,371.5	11,144.4	8,384.1	54.2	54.6	90.56	-2,514.6	-737.9	678.6	570.6	108.03	6.281		
11,200.0	8,371.4	11,194.4	8,384.0	55.1	55.5	90.56	-2,564.6	-738.6	678.6	568.7	109.83	6.178		
11,250.0	8,371.2	11,244.4	8,383.8	56.0	56.4	90.56	-2,614.6	-739.4	678.6	566.9	111.65	6.078		
11,300.0	8,371.1	11,294.4	8,383.7	56.9	57.3	90.56	-2,664.6	-740.1	678.6	565.1	113.46	5.981		
11,350.0	8,370.9	11,344.4	8,383.6	57.9	58.2	90.56	-2,714.6	-740.9	678.6	563.3	115.28	5.886		
11,400.0	8,370.8	11,394.4	8,383.5	58.8	59.1	90.56	-2,764.6	-741.6	678.6	561.5	117.10	5.795		
11,450.0	8,370.7	11,444.4	8,383.3	59.7	60.0	90.56	-2,814.6	-742.3	678.6	559.7	118.93	5.706		
11,500.0	8,370.5	11,494.4	8,383.2	60.6	60.9	90.56	-2,864.6	-743.1	678.6	557.8	120.76	5.620		
11,550.0	8,370.4	11,544.4	8,383.1	61.5	61.8	90.57	-2,914.6	-743.8	678.6	556.0	122.59	5.536		
11,600.0	8,370.2	11,594.4	8,382.9	62.4	62.7	90.57	-2,964.6	-744.6	678.6	554.2	124.42	5.454		
11,650.0	8,370.1	11,644.4	8,382.8	63.4	63.6	90.57	-3,014.6	-745.3	678.6	552.3	126.26	5.375		
11,700.0	8,370.0	11,694.4	8,382.7	64.3	64.5	90.57	-3,064.6	-746.1	678.6	550.5	128.10	5.298		
11,750.0	8,369.8	11,744.4	8,382.6	65.2	65.4	90.57	-3,114.6	-746.8	678.6	548.7	129.94	5.222		
11,800.0	8,369.7	11,794.4	8,382.4	66.1	66.3	90.57	-3,164.6	-747.6	678.6	546.8	131.79	5.149		
11,850.0	8,369.5	11,844.4	8,382.3	67.0	67.2	90.57	-3,214.6	-748.3	678.6	545.0	133.63	5.078		
11,900.0	8,369.4	11,894.4	8,382.2	68.0	68.2	90.57	-3,264.6	-749.1	678.6	543.1	135.48	5.009		
11,950.0	8,369.3	11,944.4	8,382.0	68.9	69.1	90.57	-3,314.6	-749.8	678.6	541.3	137.34	4.941		
12,000.0	8,369.1	11,994.4	8,381.9	69.8	70.0	90.57	-3,364.6	-750.6	678.6	539.4	139.19	4.876		
12,050.0	8,369.0	12,044.4	8,381.8	70.8	70.9	90.57	-3,414.5	-751.3	678.6	537.6	141.04	4.811		
12,100.0	8,368.8	12,094.4	8,381.6	71.7	71.8	90.58	-3,464.5	-752.0	678.6	535.7	142.90	4.749		
12,150.0	8,368.7	12,144.4	8,381.5	72.6	72.8	90.58	-3,514.5	-752.8	678.6	533.9	144.76	4.688		
12,200.0	8,368.6	12,194.4	8,381.4	73.5	73.7	90.58	-3,564.5	-753.5	678.6	532.0	146.62	4.628		
12,250.0	8,368.4	12,244.4	8,381.3	74.5	74.6	90.58	-3,614.5	-754.3	678.6	530.1	148.49	4.570		
12,300.0	8,368.3	12,294.4	8,381.1	75.4	75.5	90.58	-3,664.5	-755.0	678.6	528.3	150.35	4.514		
12,350.0	8,368.1	12,344.4	8,381.0	76.3	76.5	90.58	-3,714.5	-755.8	678.6	526.4	152.22	4.458		
12,400.0	8,368.0	12,394.4	8,380.9	77.3	77.4	90.58	-3,764.5	-756.5	678.6	524.6	154.08	4.404		
12,450.0	8,367.9	12,444.4	8,380.7	78.2	78.3	90.58	-3,814.5	-757.3	678.6	522.7	155.95	4.352		
12,500.0	8,367.7	12,494.4	8,380.6	79.1	79.2	90.58	-3,864.5	-758.0	678.6	520.8	157.82	4.300		
12,550.0	8,367.6	12,544.4	8,380.5	80.1	80.2	90.58	-3,914.5	-758.8	678.6	519.0	159.69	4.250		
12,600.0	8,367.4	12,594.4	8,380.4	81.0	81.1	90.58	-3,964.5	-759.5	678.7	517.1	161.57	4.200		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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		
12,650.0	8,367.3	12,644.4	8,380.2	82.0	82.0	90.59	-4,014.5	-760.2	678.7	515.2	163.44	4.152		
12,700.0	8,367.2	12,694.4	8,380.1	82.9	83.0	90.59	-4,064.5	-761.0	678.7	513.3	165.32	4.105		
12,750.0	8,367.0	12,744.4	8,380.0	83.8	83.9	90.59	-4,114.5	-761.7	678.7	511.5	167.19	4.059		
12,800.0	8,366.9	12,794.4	8,379.8	84.8	84.8	90.59	-4,164.5	-762.5	678.7	509.6	169.07	4.014		
12,850.0	8,366.7	12,844.4	8,379.7	85.7	85.8	90.59	-4,214.5	-763.2	678.7	507.7	170.95	3.970		
12,900.0	8,366.6	12,894.4	8,379.6	86.7	86.7	90.59	-4,264.4	-764.0	678.7	505.8	172.83	3.927		
12,950.0	8,366.5	12,944.4	8,379.5	87.6	87.6	90.59	-4,314.4	-764.7	678.7	504.0	174.71	3.884		
13,000.0	8,366.3	12,994.4	8,379.3	88.5	88.6	90.59	-4,364.4	-765.5	678.7	502.1	176.59	3.843		
13,050.0	8,366.2	13,044.4	8,379.2	89.5	89.5	90.59	-4,414.4	-766.2	678.7	500.2	178.48	3.803		
13,100.0	8,366.0	13,094.4	8,379.1	90.4	90.4	90.59	-4,464.4	-767.0	678.7	498.3	180.36	3.763		
13,150.0	8,365.9	13,144.4	8,378.9	91.4	91.4	90.59	-4,514.4	-767.7	678.7	496.4	182.25	3.724		
13,200.0	8,365.8	13,194.4	8,378.8	92.3	92.3	90.60	-4,564.4	-768.4	678.7	494.5	184.13	3.686		
13,250.0	8,365.6	13,244.4	8,378.7	93.3	93.3	90.60	-4,614.4	-769.2	678.7	492.7	186.02	3.648		
13,300.0	8,365.5	13,294.4	8,378.5	94.2	94.2	90.60	-4,664.4	-769.9	678.7	490.8	187.91	3.612		
13,350.0	8,365.3	13,344.4	8,378.4	95.1	95.1	90.60	-4,714.4	-770.7	678.7	488.9	189.79	3.576		
13,400.0	8,365.2	13,394.4	8,378.3	96.1	96.1	90.60	-4,764.4	-771.4	678.7	487.0	191.68	3.541		
13,450.0	8,365.1	13,444.4	8,378.2	97.0	97.0	90.60	-4,814.4	-772.2	678.7	485.1	193.57	3.506		
13,500.0	8,364.9	13,494.4	8,378.0	98.0	98.0	90.60	-4,864.4	-772.9	678.7	483.2	195.46	3.472		
13,550.0	8,364.8	13,544.4	8,377.9	98.9	98.9	90.60	-4,914.4	-773.7	678.7	481.3	197.36	3.439		
13,600.0	8,364.6	13,594.4	8,377.8	99.9	99.8	90.60	-4,964.4	-774.4	678.7	479.5	199.25	3.406		
13,650.0	8,364.5	13,644.4	8,377.6	100.8	100.8	90.60	-5,014.4	-775.2	678.7	477.6	201.14	3.374		
13,700.0	8,364.4	13,694.4	8,377.5	101.8	101.7	90.60	-5,064.4	-775.9	678.7	475.7	203.03	3.343		
13,750.0	8,364.2	13,744.4	8,377.4	102.7	102.7	90.60	-5,114.3	-776.6	678.7	473.8	204.93	3.312		
13,800.0	8,364.1	13,794.4	8,377.3	103.7	103.6	90.61	-5,164.3	-777.4	678.7	471.9	206.82	3.282		
13,850.0	8,363.9	13,844.4	8,377.1	104.6	104.6	90.61	-5,214.3	-778.1	678.7	470.0	208.72	3.252		
13,900.0	8,363.8	13,894.4	8,377.0	105.6	105.5	90.61	-5,264.3	-778.9	678.7	468.1	210.61	3.223		
13,950.0	8,363.7	13,944.4	8,376.9	106.5	106.4	90.61	-5,314.3	-779.6	678.7	466.2	212.51	3.194		
14,000.0	8,363.5	13,994.4	8,376.7	107.5	107.4	90.61	-5,364.3	-780.4	678.7	464.3	214.41	3.166		
14,050.0	8,363.4	14,044.4	8,376.6	108.4	108.3	90.61	-5,414.3	-781.1	678.7	462.4	216.30	3.138		
14,100.0	8,363.2	14,094.4	8,376.5	109.4	109.3	90.61	-5,464.3	-781.9	678.7	460.5	218.20	3.111		
14,150.0	8,363.1	14,144.4	8,376.3	110.3	110.2	90.61	-5,514.3	-782.6	678.7	458.6	220.10	3.084		
14,200.0	8,363.0	14,194.4	8,376.2	111.3	111.2	90.61	-5,564.3	-783.4	678.7	456.7	222.00	3.057		
14,250.0	8,362.8	14,244.4	8,376.1	112.2	112.1	90.61	-5,614.3	-784.1	678.7	454.8	223.90	3.031		
14,300.0	8,362.7	14,294.4	8,376.0	113.2	113.1	90.61	-5,664.3	-784.8	678.7	452.9	225.80	3.006		
14,350.0	8,362.5	14,344.4	8,375.8	114.1	114.0	90.62	-5,714.3	-785.6	678.7	451.0	227.70	2.981		
14,400.0	8,362.4	14,394.4	8,375.7	115.1	115.0	90.62	-5,764.3	-786.3	678.7	449.1	229.60	2.956		
14,450.0	8,362.3	14,444.4	8,375.6	116.0	115.9	90.62	-5,814.3	-787.1	678.7	447.2	231.50	2.932		
14,500.0	8,362.1	14,494.4	8,375.4	117.0	116.9	90.62	-5,864.3	-787.8	678.7	445.3	233.40	2.908		
14,550.0	8,362.0	14,544.4	8,375.3	117.9	117.8	90.62	-5,914.3	-788.6	678.7	443.4	235.30	2.885		
14,600.0	8,361.8	14,594.4	8,375.2	118.9	118.8	90.62	-5,964.3	-789.3	678.7	441.5	237.21	2.861		
14,650.0	8,361.7	14,644.4	8,375.1	119.8	119.7	90.62	-6,014.2	-790.1	678.7	439.6	239.11	2.839		
14,700.0	8,361.6	14,694.4	8,374.9	120.8	120.6	90.62	-6,064.2	-790.8	678.8	437.7	241.01	2.816		
14,750.0	8,361.4	14,744.4	8,374.8	121.7	121.6	90.62	-6,114.2	-791.6	678.8	435.8	242.92	2.794		
14,800.0	8,361.3	14,794.4	8,374.7	122.7	122.5	90.62	-6,164.2	-792.3	678.8	433.9	244.82	2.772		
14,850.0	8,361.1	14,844.4	8,374.5	123.6	123.5	90.62	-6,214.2	-793.0	678.8	432.0	246.72	2.751		
14,900.0	8,361.0	14,894.4	8,374.4	124.6	124.4	90.63	-6,264.2	-793.8	678.8	430.1	248.63	2.730		
14,950.0	8,360.9	14,944.4	8,374.3	125.5	125.4	90.63	-6,314.2	-794.5	678.8	428.2	250.53	2.709		
15,000.0	8,360.7	14,994.4	8,374.1	126.5	126.3	90.63	-6,364.2	-795.3	678.8	426.3	252.44	2.689		
15,050.0	8,360.6	15,044.4	8,374.0	127.4	127.3	90.63	-6,414.2	-796.0	678.8	424.4	254.35	2.669		
15,100.0	8,360.4	15,094.4	8,373.9	128.4	128.2	90.63	-6,464.2	-796.8	678.8	422.5	256.25	2.649		
15,150.0	8,360.3	15,144.4	8,373.8	129.3	129.2	90.63	-6,514.2	-797.5	678.8	420.6	258.16	2.629		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	
15,200.0	8,360.2	15,194.4	8,373.6	130.3	130.1	90.63	-6,564.2	-798.3	678.8	418.7	260.06	2.610		
15,250.0	8,360.0	15,244.4	8,373.5	131.2	131.1	90.63	-6,614.2	-799.0	678.8	416.8	261.97	2.591		
15,300.0	8,359.9	15,294.4	8,373.4	132.2	132.1	90.63	-6,664.2	-799.8	678.8	414.9	263.88	2.572		
15,350.0	8,359.7	15,344.4	8,373.2	133.2	133.0	90.63	-6,714.2	-800.5	678.8	413.0	265.79	2.554		
15,400.0	8,359.6	15,394.4	8,373.1	134.1	134.0	90.63	-6,764.2	-801.3	678.8	411.1	267.69	2.536		
15,450.0	8,359.5	15,444.4	8,373.0	135.1	134.9	90.64	-6,814.2	-802.0	678.8	409.2	269.60	2.518		
15,500.0	8,359.3	15,494.4	8,372.9	136.0	135.9	90.64	-6,864.1	-802.7	678.8	407.3	271.51	2.500		
15,550.0	8,359.2	15,544.4	8,372.7	137.0	136.8	90.64	-6,914.1	-803.5	678.8	405.4	273.42	2.483		
15,600.0	8,359.0	15,594.4	8,372.6	137.9	137.8	90.64	-6,964.1	-804.2	678.8	403.5	275.33	2.465		
15,650.0	8,358.9	15,644.4	8,372.5	138.9	138.7	90.64	-7,014.1	-805.0	678.8	401.6	277.24	2.448		
15,700.0	8,358.8	15,694.4	8,372.3	139.8	139.7	90.64	-7,064.1	-805.7	678.8	399.7	279.15	2.432		
15,750.0	8,358.6	15,744.4	8,372.2	140.8	140.6	90.64	-7,114.1	-806.5	678.8	397.7	281.06	2.415		
15,800.0	8,358.5	15,794.4	8,372.1	141.7	141.6	90.64	-7,164.1	-807.2	678.8	395.8	282.97	2.399		
15,850.0	8,358.3	15,844.4	8,371.9	142.7	142.5	90.64	-7,214.1	-808.0	678.8	393.9	284.88	2.383		
15,900.0	8,358.2	15,894.4	8,371.8	143.7	143.5	90.64	-7,264.1	-808.7	678.8	392.0	286.79	2.367		
15,950.0	8,358.1	15,944.4	8,371.7	144.6	144.4	90.64	-7,314.1	-809.5	678.8	390.1	288.70	2.351		
16,000.0	8,357.9	15,994.4	8,371.6	145.6	145.4	90.65	-7,364.1	-810.2	678.8	388.2	290.61	2.336		
16,050.0	8,357.8	16,044.4	8,371.4	146.5	146.3	90.65	-7,414.1	-810.9	678.8	386.3	292.52	2.321		
16,100.0	8,357.6	16,094.4	8,371.3	147.5	147.3	90.65	-7,464.1	-811.7	678.8	384.4	294.43	2.306		
16,150.0	8,357.5	16,144.4	8,371.2	148.4	148.2	90.65	-7,514.1	-812.4	678.8	382.5	296.34	2.291		
16,200.0	8,357.4	16,194.4	8,371.0	149.4	149.2	90.65	-7,564.1	-813.2	678.8	380.6	298.26	2.276		
16,250.0	8,357.2	16,244.4	8,370.9	150.3	150.2	90.65	-7,614.1	-813.9	678.8	378.7	300.17	2.261		
16,300.0	8,357.1	16,294.4	8,370.8	151.3	151.1	90.65	-7,664.1	-814.7	678.8	376.7	302.08	2.247		
16,350.0	8,356.9	16,344.4	8,370.7	152.3	152.1	90.65	-7,714.1	-815.4	678.8	374.8	303.99	2.233		
16,400.0	8,356.8	16,394.4	8,370.5	153.2	153.0	90.65	-7,764.0	-816.2	678.8	372.9	305.90	2.219		
16,450.0	8,356.7	16,444.4	8,370.4	154.2	154.0	90.65	-7,814.0	-816.9	678.8	371.0	307.82	2.205		
16,500.0	8,356.5	16,494.4	8,370.3	155.1	154.9	90.65	-7,864.0	-817.7	678.8	369.1	309.73	2.192		
16,550.0	8,356.4	16,544.4	8,370.1	156.1	155.9	90.65	-7,914.0	-818.4	678.8	367.2	311.64	2.178		
16,600.0	8,356.2	16,594.4	8,370.0	157.0	156.8	90.66	-7,964.0	-819.1	678.8	365.3	313.56	2.165		
16,650.0	8,356.1	16,644.4	8,369.9	158.0	157.8	90.66	-8,014.0	-819.9	678.8	363.4	315.47	2.152		
16,700.0	8,356.0	16,694.4	8,369.7	159.0	158.7	90.66	-8,064.0	-820.6	678.8	361.5	317.38	2.139		
16,750.0	8,355.8	16,744.4	8,369.6	159.9	159.7	90.66	-8,114.0	-821.4	678.8	359.6	319.30	2.126		
16,800.0	8,355.7	16,794.4	8,369.5	160.9	160.7	90.66	-8,164.0	-822.1	678.9	357.6	321.21	2.113		
16,850.0	8,355.5	16,844.4	8,369.4	161.8	161.6	90.66	-8,214.0	-822.9	678.9	355.7	323.12	2.101		
16,900.0	8,355.4	16,894.4	8,369.2	162.8	162.6	90.66	-8,264.0	-823.6	678.9	353.8	325.04	2.089		
16,950.0	8,355.3	16,944.4	8,369.1	163.7	163.5	90.66	-8,314.0	-824.4	678.9	351.9	326.95	2.076		
17,000.0	8,355.1	16,994.4	8,369.0	164.7	164.5	90.66	-8,364.0	-825.1	678.9	350.0	328.87	2.064		
17,050.0	8,355.0	17,044.4	8,368.8	165.7	165.4	90.66	-8,414.0	-825.9	678.9	348.1	330.78	2.052		
17,100.0	8,354.8	17,094.4	8,368.7	166.6	166.4	90.66	-8,464.0	-826.6	678.9	346.2	332.70	2.040		
17,150.0	8,354.7	17,144.4	8,368.6	167.6	167.3	90.67	-8,514.0	-827.3	678.9	344.3	334.61	2.029		
17,200.0	8,354.6	17,194.4	8,368.5	168.5	168.3	90.67	-8,564.0	-828.1	678.9	342.3	336.53	2.017		
17,250.0	8,354.4	17,244.4	8,368.3	169.5	169.3	90.67	-8,613.9	-828.8	678.9	340.4	338.44	2.006		
17,300.0	8,354.3	17,294.4	8,368.2	170.4	170.2	90.67	-8,663.9	-829.6	678.9	338.5	340.36	1.995		
17,350.0	8,354.1	17,344.4	8,368.1	171.4	171.2	90.67	-8,713.9	-830.3	678.9	336.6	342.27	1.983		
17,400.0	8,354.0	17,394.4	8,367.9	172.4	172.1	90.67	-8,763.9	-831.1	678.9	334.7	344.19	1.972		
17,450.0	8,353.9	17,444.4	8,367.8	173.3	173.1	90.67	-8,813.9	-831.8	678.9	332.8	346.10	1.961		
17,500.0	8,353.7	17,494.4	8,367.7	174.3	174.0	90.67	-8,863.9	-832.6	678.9	330.9	348.02	1.951		
17,550.0	8,353.6	17,544.4	8,367.6	175.2	175.0	90.67	-8,913.9	-833.3	678.9	329.0	349.94	1.940		
17,600.0	8,353.4	17,594.4	8,367.4	176.2	176.0	90.67	-8,963.9	-834.1	678.9	327.0	351.85	1.929		
17,650.0	8,353.3	17,644.4	8,367.3	177.2	176.9	90.67	-9,013.9	-834.8	678.9	325.1	353.77	1.919		
17,700.0	8,353.2	17,694.4	8,367.2	178.1	177.9	90.68	-9,063.9	-835.5	678.9	323.2	355.69	1.909		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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>													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	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	
17,750.0	8,353.0	17,744.4	8,367.0	179.1	178.8	90.68	-9,113.9	-836.3	678.9	321.3	357.60	1.898		
17,800.0	8,352.9	17,794.4	8,366.9	180.0	179.8	90.68	-9,163.9	-837.0	678.9	319.4	359.52	1.888		
17,850.0	8,352.7	17,844.4	8,366.8	181.0	180.7	90.68	-9,213.9	-837.8	678.9	317.5	361.44	1.878		
17,900.0	8,352.6	17,894.4	8,366.6	181.9	181.7	90.68	-9,263.9	-838.5	678.9	315.6	363.35	1.868		
17,950.0	8,352.5	17,944.4	8,366.5	182.9	182.7	90.68	-9,313.9	-839.3	678.9	313.6	365.27	1.859		
18,000.0	8,352.3	17,994.4	8,366.4	183.9	183.6	90.68	-9,363.9	-840.0	678.9	311.7	367.19	1.849		
18,050.0	8,352.2	18,044.4	8,366.3	184.8	184.6	90.68	-9,413.9	-840.8	678.9	309.8	369.10	1.839		
18,100.0	8,352.0	18,094.4	8,366.1	185.8	185.5	90.68	-9,463.9	-841.5	678.9	307.9	371.02	1.830		
18,113.7	8,352.0	18,108.0	8,366.1	186.0	185.8	90.68	-9,477.5	-841.7	678.9	307.4	371.54	1.827 SF		

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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
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	8.0	8.0	0.0	0.0	-91.72	-3.6	-121.5	121.5	121.5	0.01	N/A		
50.0	50.0	58.0	58.0	0.1	0.1	-91.72	-3.6	-121.5	121.5	121.4	0.12	1,000.447		
100.0	100.0	108.0	108.0	0.1	0.1	-91.72	-3.6	-121.5	121.5	121.3	0.24	500.570		
150.0	150.0	158.0	158.0	0.2	0.2	-91.72	-3.6	-121.5	121.5	121.0	0.47	259.911		
200.0	200.0	208.0	208.0	0.3	0.4	-91.72	-3.6	-121.5	121.5	120.8	0.69	175.525		
250.0	250.0	258.0	258.0	0.4	0.5	-91.72	-3.6	-121.5	121.5	120.6	0.92	132.504		
300.0	300.0	308.0	308.0	0.6	0.6	-91.72	-3.6	-121.5	121.5	120.4	1.14	106.420		
350.0	350.0	358.0	358.0	0.7	0.7	-91.72	-3.6	-121.5	121.5	120.1	1.37	88.917		
380.2	380.2	388.2	388.2	0.7	0.8	-91.72	-3.6	-121.5	121.5	120.0	1.50	80.892 CC		
400.0	400.0	407.8	407.8	0.8	0.8	-91.72	-3.6	-121.5	121.5	119.9	1.59	76.417 ES		
450.0	450.0	456.3	456.3	0.9	0.9	-91.65	-3.5	-121.8	121.9	120.1	1.81	67.432		
500.0	500.0	504.9	504.9	1.0	1.0	-91.47	-3.1	-122.8	122.9	120.9	2.03	60.671		
550.0	550.0	553.4	553.3	1.1	1.1	-91.19	-2.6	-124.3	124.5	122.2	2.24	55.497		
600.0	600.0	601.8	601.8	1.2	1.2	-90.82	-1.8	-126.5	126.6	124.2	2.46	51.477		
650.0	650.0	650.2	650.1	1.3	1.3	-90.36	-0.8	-129.1	129.4	126.7	2.68	48.283		
700.0	700.0	700.0	699.7	1.5	1.5	-89.82	0.4	-132.5	132.8	129.9	2.90	45.737		
750.0	750.0	746.8	746.3	1.6	1.6	-89.25	1.8	-136.2	136.7	133.6	3.12	43.798		
800.0	800.0	794.9	794.2	1.7	1.7	-88.62	3.4	-140.6	141.3	138.0	3.34	42.262		
850.0	850.0	842.9	841.9	1.8	1.8	-87.95	5.2	-145.5	146.5	142.9	3.57	41.063		
900.0	900.0	890.7	889.4	1.9	2.0	-87.26	7.2	-151.0	152.3	148.5	3.79	40.172		
950.0	950.0	938.4	936.6	2.0	2.1	-86.56	9.4	-157.0	158.7	154.7	4.02	39.514		
1,000.0	1,000.0	985.9	983.6	2.1	2.2	-85.86	11.8	-163.6	165.8	161.5	4.24	39.074		
1,050.0	1,050.0	1,033.3	1,030.4	2.2	2.4	-85.17	14.4	-170.6	173.4	169.0	4.47	38.802		
1,100.0	1,100.0	1,080.4	1,076.8	2.4	2.6	-84.48	17.2	-178.2	181.7	177.0	4.70	38.688 SF		
1,150.0	1,150.0	1,127.3	1,123.0	2.5	2.7	-83.82	20.2	-186.3	190.6	185.7	4.93	38.700		
1,200.0	1,200.0	1,174.1	1,168.8	2.6	2.9	-83.17	23.3	-194.8	200.1	194.9	5.15	38.826		
1,250.0	1,250.0	1,220.5	1,214.2	2.7	3.1	-82.55	26.7	-203.9	210.2	204.8	5.38	39.051		
1,300.0	1,300.0	1,266.8	1,259.4	2.8	3.3	-81.96	30.2	-213.4	220.9	215.3	5.61	39.358		
1,350.0	1,350.0	1,312.8	1,304.1	2.9	3.5	-81.39	33.8	-223.3	232.2	226.4	5.84	39.745		
1,400.0	1,400.0	1,358.5	1,348.4	3.0	3.7	-80.85	37.6	-233.7	244.1	238.0	6.07	40.190		
1,450.0	1,450.0	1,403.9	1,392.4	3.1	3.9	-80.34	41.6	-244.6	256.6	250.3	6.30	40.702		
1,500.0	1,500.0	1,449.4	1,436.2	3.3	4.2	-79.86	45.8	-255.9	269.7	263.1	6.54	41.237		
1,550.0	1,550.0	1,497.5	1,482.6	3.4	4.4	-79.38	50.3	-268.1	283.0	276.2	6.78	41.756		
1,600.0	1,600.0	1,545.6	1,528.9	3.5	4.7	-78.95	54.8	-280.3	296.3	289.3	7.01	42.244		
1,650.0	1,650.0	1,593.8	1,575.3	3.6	4.9	-78.55	59.2	-292.5	309.7	302.4	7.25	42.706		
1,700.0	1,700.0	1,641.9	1,621.6	3.7	5.2	-78.19	63.7	-304.7	323.1	315.6	7.49	43.130		
1,750.0	1,750.0	1,690.1	1,668.0	3.8	5.4	-77.85	68.2	-316.9	336.4	328.7	7.73	43.531		
1,800.0	1,800.0	1,738.2	1,714.3	3.9	5.7	-77.54	72.7	-329.1	349.8	341.8	7.97	43.902		
1,850.0	1,850.0	1,786.4	1,760.7	4.0	6.0	-77.26	77.2	-341.3	363.2	355.0	8.21	44.252		
1,900.0	1,900.0	1,834.5	1,807.0	4.2	6.2	-76.99	81.7	-353.5	376.6	368.2	8.45	44.577		
1,950.0	1,950.0	1,882.6	1,853.4	4.3	6.5	-76.74	86.2	-365.7	390.0	381.3	8.69	44.885		
2,000.0	2,000.0	1,930.8	1,899.8	4.4	6.8	-76.51	90.7	-377.9	403.4	394.5	8.93	45.174		
2,050.0	2,050.0	1,979.0	1,946.1	4.5	7.0	-74.59	95.1	-390.1	416.8	407.6	9.18	45.382		
2,100.0	2,100.0	2,027.2	1,992.6	4.6	7.3	-74.32	99.6	-402.3	429.9	420.5	9.43	45.606		
2,150.0	2,150.0	2,075.5	2,039.1	4.7	7.6	-74.14	104.1	-414.6	442.9	433.3	9.67	45.797		
2,200.0	2,199.9	2,123.8	2,085.6	4.8	7.9	-74.05	108.6	-426.8	455.8	445.8	9.92	45.956		
2,250.0	2,249.8	2,172.1	2,132.1	4.9	8.1	-74.03	113.1	-439.1	468.4	458.2	10.16	46.082		
2,300.0	2,299.7	2,220.5	2,178.7	5.1	8.4	-74.08	117.7	-451.3	480.9	470.5	10.41	46.181		
2,350.0	2,349.5	2,268.9	2,225.3	5.2	8.7	-74.20	122.2	-463.6	493.2	482.6	10.67	46.246		
2,400.0	2,399.3	2,317.3	2,271.9	5.3	9.0	-74.38	126.7	-475.9	505.4	494.5	10.92	46.289		
2,450.0	2,449.0	2,365.7	2,318.5	5.4	9.2	-74.61	131.2	-488.1	517.4	506.2	11.18	46.296		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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-MWVD											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 +N/-S (ft)	Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
2,500.0	2,498.6	2,414.1	2,365.1	5.5	9.5	-74.90	135.7	-500.4	529.3	517.9	11.44	46.284			
2,550.0	2,548.1	2,462.5	2,411.7	5.6	9.8	-75.24	140.2	-512.7	541.0	529.3	11.70	46.238			
2,600.0	2,597.6	2,510.8	2,458.3	5.8	10.1	-75.74	144.7	-524.9	552.7	540.7	11.97	46.172			
2,650.0	2,647.0	2,559.2	2,504.8	5.9	10.3	-76.26	149.2	-537.2	564.4	552.2	12.25	46.091			
2,700.0	2,696.5	2,607.5	2,551.4	6.0	10.6	-76.75	153.7	-549.4	576.2	563.7	12.52	46.013			
2,750.0	2,746.0	2,655.9	2,597.9	6.2	10.9	-77.23	158.2	-561.7	588.0	575.2	12.81	45.921			
2,800.0	2,795.4	2,704.3	2,644.5	6.3	11.2	-77.69	162.7	-573.9	599.9	586.8	13.09	45.831			
2,850.0	2,844.9	2,752.6	2,691.1	6.4	11.4	-78.13	167.2	-586.2	611.7	598.4	13.38	45.729			
2,900.0	2,894.3	2,801.0	2,737.6	6.6	11.7	-78.55	171.7	-598.5	623.7	610.0	13.67	45.631			
2,950.0	2,943.8	2,849.3	2,784.2	6.7	12.0	-78.96	176.3	-610.7	635.6	621.6	13.96	45.524			
3,000.0	2,993.3	2,897.7	2,830.7	6.8	12.3	-79.35	180.8	-623.0	647.6	633.3	14.26	45.420			
3,050.0	3,042.7	2,946.0	2,877.3	7.0	12.6	-79.73	185.3	-635.2	659.6	645.0	14.56	45.310			
3,100.0	3,092.2	2,994.4	2,923.9	7.1	12.8	-80.09	189.8	-647.5	671.6	656.7	14.86	45.203			
3,150.0	3,141.7	3,042.8	2,970.4	7.3	13.1	-80.44	194.3	-659.7	683.6	668.5	15.16	45.090			
3,200.0	3,191.1	3,091.1	3,017.0	7.4	13.4	-80.78	198.8	-672.0	695.7	680.3	15.47	44.981			
3,250.0	3,240.6	3,139.5	3,063.5	7.6	13.7	-81.11	203.3	-684.2	707.8	692.0	15.78	44.868			
3,300.0	3,290.1	3,187.8	3,110.1	7.7	13.9	-81.43	207.8	-696.5	719.9	703.8	16.08	44.759			
3,350.0	3,339.5	3,236.2	3,156.7	7.9	14.2	-81.74	212.3	-708.8	732.1	715.7	16.40	44.647			
3,400.0	3,389.0	3,284.5	3,203.2	8.0	14.5	-82.03	216.8	-721.0	744.2	727.5	16.71	44.538			
3,450.0	3,438.4	3,332.9	3,249.8	8.2	14.8	-82.32	221.3	-733.3	756.4	739.4	17.03	44.427			
3,500.0	3,487.9	3,381.3	3,296.3	8.3	15.1	-82.60	225.8	-745.5	768.6	751.3	17.34	44.320			
3,550.0	3,537.4	3,429.6	3,342.9	8.5	15.3	-82.87	230.3	-757.8	780.8	763.1	17.66	44.211			
3,600.0	3,586.8	3,478.0	3,389.5	8.6	15.6	-83.13	234.8	-770.0	793.0	775.1	17.98	44.106			

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	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)				
0.0	0.0	0.0	0.0	0.0	0.0	83.16	3.6	30.4	30.6						
50.0	50.0	48.0	48.0	0.1	0.1	83.16	3.6	30.4	30.6	30.5	0.11	277.416			
100.0	100.0	98.0	98.0	0.1	0.1	83.16	3.6	30.4	30.6	30.4	0.22	137.434			
150.0	150.0	148.0	148.0	0.2	0.2	83.16	3.6	30.4	30.6	30.1	0.45	68.718			
200.0	200.0	198.0	198.0	0.3	0.3	83.16	3.6	30.4	30.6	29.9	0.67	45.658			
250.0	250.0	248.0	248.0	0.4	0.4	83.16	3.6	30.4	30.6	29.7	0.89	34.186			
300.0	300.0	298.0	298.0	0.6	0.6	83.16	3.6	30.4	30.6	29.5	1.12	27.322			
350.0	350.0	348.0	348.0	0.7	0.7	83.16	3.6	30.4	30.6	29.2	1.34	22.753			
400.0	400.0	398.0	398.0	0.8	0.8	83.16	3.6	30.4	30.6	29.0	1.57	19.493			
450.0	450.0	448.0	448.0	0.9	0.9	83.16	3.6	30.4	30.6	28.8	1.79	17.050			
500.0	500.0	498.0	498.0	1.0	1.0	83.16	3.6	30.4	30.6	28.6	2.02	15.152			
550.0	550.0	548.0	548.0	1.1	1.1	83.16	3.6	30.4	30.6	28.3	2.24	13.633			
600.0	600.0	598.0	598.0	1.2	1.2	83.16	3.6	30.4	30.6	28.1	2.47	12.392			
650.0	650.0	648.0	648.0	1.3	1.3	83.16	3.6	30.4	30.6	27.9	2.69	11.357			
700.0	700.0	698.0	698.0	1.5	1.5	83.16	3.6	30.4	30.6	27.7	2.92	10.482			
750.0	750.0	748.0	748.0	1.6	1.6	83.16	3.6	30.4	30.6	27.4	3.14	9.733			
800.0	800.0	798.0	798.0	1.7	1.7	83.16	3.6	30.4	30.6	27.2	3.37	9.083			
850.0	850.0	848.0	848.0	1.8	1.8	83.16	3.6	30.4	30.6	27.0	3.59	8.515			
900.0	900.0	898.0	898.0	1.9	1.9	83.16	3.6	30.4	30.6	26.8	3.82	8.013			
950.0	950.0	948.0	948.0	2.0	2.0	83.16	3.6	30.4	30.6	26.5	4.04	7.567			
1,000.0	1,000.0	998.0	998.0	2.1	2.1	83.16	3.6	30.4	30.6	26.3	4.27	7.169			
1,050.0	1,050.0	1,048.0	1,048.0	2.2	2.2	83.16	3.6	30.4	30.6	26.1	4.49	6.810			
1,100.0	1,100.0	1,098.0	1,098.0	2.4	2.4	83.16	3.6	30.4	30.6	25.9	4.72	6.485			
1,150.0	1,150.0	1,148.0	1,148.0	2.5	2.5	83.16	3.6	30.4	30.6	25.6	4.94	6.190			
1,200.0	1,200.0	1,198.0	1,198.0	2.6	2.6	83.16	3.6	30.4	30.6	25.4	5.17	5.921 CC			
1,250.0	1,250.0	1,247.8	1,247.8	2.7	2.7	82.71	3.9	30.5	30.8	25.4	5.39	5.709 ES			
1,300.0	1,300.0	1,297.5	1,297.5	2.8	2.8	81.31	4.7	31.0	31.3	25.7	5.61	5.584			
1,350.0	1,350.0	1,347.2	1,347.2	2.9	2.9	79.08	6.1	31.7	32.3	26.5	5.83	5.543			
1,400.0	1,400.0	1,396.9	1,396.8	3.0	3.0	76.17	8.1	32.8	33.8	27.8	6.06	5.586			
1,450.0	1,450.0	1,446.5	1,446.3	3.1	3.1	72.79	10.6	34.2	35.9	29.6	6.28	5.712			
1,500.0	1,500.0	1,496.0	1,495.7	3.3	3.2	69.17	13.7	35.9	38.5	32.0	6.50	5.922			
1,550.0	1,550.0	1,545.4	1,545.0	3.4	3.4	65.49	17.3	37.9	41.8	35.1	6.73	6.214			
1,600.0	1,600.0	1,594.7	1,594.0	3.5	3.5	61.93	21.5	40.2	45.8	38.8	6.95	6.588			
1,650.0	1,650.0	1,643.9	1,642.9	3.6	3.6	58.59	26.2	42.9	50.5	43.3	7.18	7.034			
1,700.0	1,700.0	1,692.9	1,691.6	3.7	3.7	55.53	31.4	45.8	55.9	48.5	7.40	7.552			
1,750.0	1,750.0	1,741.8	1,740.0	3.8	3.8	52.78	37.2	49.0	62.0	54.4	7.63	8.130			
1,800.0	1,800.0	1,790.5	1,788.1	3.9	4.0	50.35	43.5	52.5	68.8	61.0	7.85	8.767			
1,850.0	1,850.0	1,839.5	1,836.5	4.0	4.1	48.20	50.3	56.2	76.3	68.2	8.08	9.440			
1,900.0	1,900.0	1,888.8	1,885.2	4.2	4.2	46.41	57.1	60.0	83.9	75.6	8.31	10.097			
1,950.0	1,950.0	1,938.2	1,933.9	4.3	4.4	44.92	64.0	63.9	91.5	83.0	8.53	10.726			
2,000.0	2,000.0	1,987.5	1,982.7	4.4	4.5	43.66	70.9	67.7	99.2	90.5	8.76	11.328			
2,050.0	2,050.0	2,036.9	2,031.4	4.5	4.7	44.17	77.8	71.5	106.7	97.8	8.98	11.880			
2,100.0	2,100.0	2,086.4	2,080.3	4.6	4.8	43.49	84.7	75.3	113.8	104.6	9.21	12.355			
2,150.0	2,150.0	2,136.0	2,129.2	4.7	5.0	43.10	91.6	79.2	120.4	111.0	9.44	12.756			
2,200.0	2,199.9	2,185.6	2,178.2	4.8	5.1	42.96	98.6	83.0	126.5	116.9	9.67	13.089			
2,250.0	2,249.8	2,235.3	2,227.2	4.9	5.3	43.02	105.5	86.8	132.2	122.3	9.90	13.357			
2,300.0	2,299.7	2,285.0	2,276.3	5.1	5.5	43.27	112.4	90.7	137.4	127.3	10.13	13.566			
2,350.0	2,349.5	2,334.8	2,325.5	5.2	5.6	43.68	119.4	94.5	142.1	131.7	10.36	13.717			
2,400.0	2,399.3	2,384.6	2,374.6	5.3	5.8	44.24	126.3	98.4	146.4	135.8	10.59	13.818			
2,450.0	2,449.0	2,434.4	2,423.8	5.4	6.0	44.95	133.3	102.3	150.2	139.3	10.83	13.868			
2,500.0	2,498.6	2,484.2	2,473.0	5.5	6.1	45.80	140.2	106.1	153.5	142.5	11.07	13.875			

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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						
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		
2,550.0	2,548.1	2,534.0	2,522.2	5.6	6.3	46.79	147.2	110.0	156.5	145.2	11.31	13.840			
2,600.0	2,597.6	2,583.9	2,571.4	5.8	6.5	47.89	154.1	113.8	159.2	147.7	11.56	13.774			
2,650.0	2,647.0	2,633.7	2,620.6	5.9	6.6	48.96	161.1	117.7	162.0	150.2	11.82	13.710			
2,700.0	2,696.5	2,683.5	2,669.8	6.0	6.8	49.99	168.1	121.5	164.8	152.7	12.07	13.650			
2,750.0	2,746.0	2,733.4	2,719.0	6.2	7.0	50.99	175.0	125.4	167.7	155.3	12.34	13.591			
2,800.0	2,795.4	2,783.2	2,768.1	6.3	7.1	51.95	182.0	129.2	170.6	158.0	12.60	13.537			
2,850.0	2,844.9	2,833.0	2,817.3	6.4	7.3	52.88	188.9	133.1	173.6	160.7	12.87	13.484			
2,900.0	2,894.3	2,882.9	2,866.5	6.6	7.5	53.78	195.9	137.0	176.6	163.4	13.14	13.434			
2,950.0	2,943.8	2,932.7	2,915.7	6.7	7.6	54.65	202.8	140.8	179.6	166.2	13.42	13.385			
3,000.0	2,993.3	2,982.5	2,964.9	6.8	7.8	55.49	209.8	144.7	182.7	169.0	13.70	13.338			
3,050.0	3,042.7	3,032.4	3,014.1	7.0	8.0	56.31	216.7	148.5	185.9	171.9	13.98	13.293			
3,100.0	3,092.2	3,082.2	3,063.3	7.1	8.2	57.09	223.7	152.4	189.0	174.8	14.27	13.250			
3,150.0	3,141.7	3,132.0	3,112.5	7.3	8.3	57.85	230.7	156.2	192.2	177.7	14.55	13.208			
3,200.0	3,191.1	3,181.9	3,161.7	7.4	8.5	58.58	237.6	160.1	195.5	180.6	14.84	13.168			
3,250.0	3,240.6	3,231.7	3,210.9	7.6	8.7	59.30	244.6	164.0	198.7	183.6	15.14	13.129			
3,300.0	3,290.1	3,281.5	3,260.1	7.7	8.9	59.98	251.5	167.8	202.0	186.6	15.43	13.091			
3,350.0	3,339.5	3,331.4	3,309.3	7.9	9.0	60.65	258.5	171.7	205.3	189.6	15.73	13.054			
3,400.0	3,389.0	3,381.2	3,358.5	8.0	9.2	61.29	265.4	175.5	208.7	192.7	16.03	13.020			
3,450.0	3,438.4	3,431.0	3,407.7	8.2	9.4	61.92	272.4	179.4	212.1	195.7	16.33	12.985			
3,500.0	3,487.9	3,480.9	3,456.9	8.3	9.6	62.52	279.3	183.2	215.5	198.8	16.64	12.952			
3,550.0	3,537.4	3,530.7	3,506.1	8.5	9.8	63.11	286.3	187.1	218.9	202.0	16.94	12.920			
3,600.0	3,586.8	3,580.5	3,555.3	8.6	9.9	63.67	293.2	190.9	222.3	205.1	17.25	12.889			
3,650.0	3,636.3	3,630.4	3,604.5	8.8	10.1	64.22	300.2	194.8	225.8	208.2	17.56	12.859			
3,700.0	3,685.8	3,680.2	3,653.7	8.9	10.3	64.76	307.2	198.7	229.3	211.4	17.87	12.830			
3,750.0	3,735.2	3,730.0	3,702.9	9.1	10.5	65.27	314.1	202.5	232.8	214.6	18.18	12.802			
3,800.0	3,784.7	3,779.9	3,752.0	9.3	10.6	65.78	321.1	206.4	236.3	217.8	18.50	12.775			
3,850.0	3,834.2	3,829.7	3,801.2	9.4	10.8	66.26	328.0	210.2	239.9	221.0	18.82	12.748			
3,900.0	3,883.6	3,879.5	3,850.4	9.6	11.0	66.74	335.0	214.1	243.4	224.3	19.13	12.723			
3,950.0	3,933.1	3,929.4	3,899.6	9.7	11.2	67.20	341.9	217.9	247.0	227.5	19.45	12.698			
4,000.0	3,982.5	3,979.2	3,948.8	9.9	11.4	67.64	348.9	221.8	250.6	230.8	19.77	12.674			
4,050.0	4,032.0	4,029.0	3,998.0	10.1	11.5	68.08	355.8	225.7	254.2	234.1	20.09	12.651			
4,100.0	4,081.5	4,078.9	4,047.2	10.2	11.7	68.50	362.8	229.5	257.8	237.4	20.42	12.628			
4,150.0	4,130.9	4,128.7	4,096.4	10.4	11.9	68.91	369.7	233.4	261.4	240.7	20.74	12.606			
4,200.0	4,180.4	4,178.5	4,145.6	10.5	12.1	69.31	376.7	237.2	265.1	244.0	21.06	12.585			
4,250.0	4,229.9	4,228.4	4,194.8	10.7	12.3	69.69	383.7	241.1	268.7	247.3	21.39	12.564			
4,300.0	4,279.3	4,278.2	4,244.0	10.9	12.4	70.07	390.6	244.9	272.4	250.7	21.72	12.544			
4,350.0	4,328.8	4,328.0	4,293.2	11.0	12.6	70.44	397.6	248.8	276.1	254.0	22.04	12.525			
4,400.0	4,378.3	4,377.9	4,342.4	11.2	12.8	70.80	404.5	252.7	279.8	257.4	22.37	12.506			
4,450.0	4,427.7	4,427.7	4,391.6	11.4	13.0	71.14	411.5	256.5	283.5	260.8	22.70	12.488			
4,500.0	4,477.2	4,477.5	4,440.8	11.5	13.2	71.48	418.4	260.4	287.2	264.2	23.03	12.470			
4,550.0	4,526.6	4,527.4	4,490.0	11.7	13.4	71.82	425.4	264.2	290.9	267.6	23.36	12.453			
4,600.0	4,576.1	4,577.2	4,539.2	11.9	13.5	72.14	432.3	268.1	294.6	271.0	23.69	12.436			
4,650.0	4,625.6	4,627.0	4,588.4	12.0	13.7	72.45	439.3	271.9	298.4	274.4	24.02	12.420			
4,700.0	4,675.0	4,676.9	4,637.6	12.2	13.9	72.76	446.2	275.8	302.1	277.8	24.36	12.405			
4,750.0	4,724.5	4,726.7	4,686.7	12.4	14.1	73.06	453.2	279.6	305.9	281.2	24.69	12.389			
4,800.0	4,774.0	4,776.5	4,735.9	12.5	14.3	73.35	460.2	283.5	309.7	284.6	25.02	12.374			
4,850.0	4,823.4	4,826.4	4,785.1	12.7	14.4	73.63	467.1	287.4	313.4	288.1	25.36	12.360			
4,900.0	4,872.9	4,876.2	4,834.3	12.8	14.6	73.91	474.1	291.2	317.2	291.5	25.69	12.346			
4,950.0	4,922.4	4,926.0	4,883.5	13.0	14.8	74.18	481.0	295.1	321.0	295.0	26.03	12.332			
5,000.0	4,971.8	4,975.9	4,932.7	13.2	15.0	74.45	488.0	298.9	324.8	298.4	26.37	12.319			
5,050.0	5,021.3	5,025.7	4,981.9	13.3	15.2	74.71	494.9	302.8	328.6	301.9	26.70	12.306			

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	5,070.7	5,075.5	5,031.1	13.5	15.4	74.96	501.9	306.6	332.4	305.4	27.04	12.294		
5,150.0	5,120.2	5,128.8	5,083.7	13.7	15.5	75.26	509.1	310.6	336.0	308.7	27.37	12.279		
5,200.0	5,169.7	5,183.2	5,137.6	13.9	15.7	75.68	515.5	314.2	339.0	311.3	27.69	12.243		
5,250.0	5,219.1	5,237.5	5,191.6	14.0	15.8	76.22	521.1	317.3	341.4	313.3	28.02	12.184		
5,300.0	5,268.6	5,291.9	5,245.7	14.2	15.9	76.87	525.8	319.9	343.1	314.7	28.35	12.102		
5,350.0	5,318.1	5,346.1	5,299.7	14.4	16.0	77.64	529.5	322.0	344.2	315.5	28.68	12.001		
5,400.0	5,367.5	5,400.3	5,353.8	14.5	16.1	78.53	532.4	323.6	344.7	315.7	29.02	11.880		
5,450.0	5,417.0	5,454.2	5,407.7	14.7	16.2	79.53	534.3	324.6	344.7	315.4	29.35	11.745		
5,500.0	5,466.5	5,508.0	5,461.5	14.9	16.3	80.67	535.4	325.2	344.2	314.5	29.69	11.594		
5,550.0	5,515.9	5,560.5	5,513.9	15.0	16.4	81.90	535.6	325.4	343.2	313.2	30.02	11.433		
5,600.0	5,565.4	5,609.9	5,563.4	15.2	16.5	83.10	535.6	325.4	342.3	311.9	30.35	11.278		
5,650.0	5,614.9	5,659.4	5,612.9	15.4	16.5	84.26	535.6	325.4	341.5	310.8	30.66	11.137		
5,700.0	5,664.5	5,709.0	5,662.5	15.5	16.6	85.29	535.6	325.4	340.9	309.9	30.95	11.013		
5,750.0	5,714.2	5,758.7	5,712.2	15.6	16.7	86.19	535.6	325.4	340.5	309.3	31.21	10.910		
5,800.0	5,764.0	5,808.5	5,762.0	15.7	16.8	86.94	535.6	325.4	340.2	308.8	31.45	10.817		
5,850.0	5,813.8	5,858.4	5,811.8	15.8	16.9	87.56	535.6	325.4	340.0	308.4	31.67	10.736		
5,900.0	5,863.8	5,908.3	5,861.8	15.9	17.0	88.03	535.6	325.4	339.9	308.0	31.88	10.661		
5,950.0	5,913.7	5,958.3	5,911.7	16.0	17.0	88.35	535.6	325.4	339.9	307.8	32.07	10.596		
6,000.0	5,963.7	6,008.3	5,961.7	16.1	17.1	88.53	535.6	325.4	339.8	307.6	32.26	10.535		
6,050.0	6,013.7	6,058.3	6,011.7	16.2	17.2	87.02	535.6	325.4	339.8	307.4	32.37	10.496		
6,100.0	6,063.7	6,108.3	6,061.7	16.3	17.3	87.02	535.6	325.4	339.8	307.3	32.54	10.442		
6,150.0	6,113.7	6,158.3	6,111.7	16.3	17.4	87.02	535.6	325.4	339.8	307.1	32.72	10.385		
6,200.0	6,163.7	6,208.3	6,161.7	16.4	17.5	87.02	535.6	325.4	339.8	306.9	32.90	10.329		
6,250.0	6,213.7	6,258.3	6,211.7	16.5	17.5	87.02	535.6	325.4	339.8	306.7	33.08	10.273		
6,300.0	6,263.7	6,308.3	6,261.7	16.6	17.6	87.02	535.6	325.4	339.8	306.6	33.26	10.217		
6,350.0	6,313.7	6,358.3	6,311.7	16.7	17.7	87.02	535.6	325.4	339.8	306.4	33.44	10.162		
6,400.0	6,363.7	6,408.3	6,361.7	16.8	17.8	87.02	535.6	325.4	339.8	306.2	33.62	10.108		
6,450.0	6,413.7	6,458.3	6,411.7	16.9	17.9	87.02	535.6	325.4	339.8	306.0	33.80	10.054		
6,500.0	6,463.7	6,508.3	6,461.7	17.0	18.0	87.02	535.6	325.4	339.8	305.8	33.98	10.000		
6,550.0	6,513.7	6,558.3	6,511.7	17.1	18.0	87.02	535.6	325.4	339.8	305.7	34.17	9.946		
6,600.0	6,563.7	6,608.3	6,561.7	17.2	18.1	87.02	535.6	325.4	339.8	305.5	34.35	9.894		
6,650.0	6,613.7	6,658.3	6,611.7	17.3	18.2	87.02	535.6	325.4	339.8	305.3	34.53	9.841		
6,700.0	6,663.7	6,708.3	6,661.7	17.3	18.3	87.02	535.6	325.4	339.8	305.1	34.71	9.789		
6,750.0	6,713.7	6,758.3	6,711.7	17.4	18.4	87.02	535.6	325.4	339.8	304.9	34.90	9.737		
6,800.0	6,763.7	6,808.3	6,761.7	17.5	18.5	87.02	535.6	325.4	339.8	304.7	35.08	9.686		
6,850.0	6,813.7	6,858.3	6,811.7	17.6	18.6	87.02	535.6	325.4	339.8	304.6	35.27	9.635		
6,900.0	6,863.7	6,908.3	6,861.7	17.7	18.7	87.02	535.6	325.4	339.8	304.4	35.45	9.585		
6,950.0	6,913.7	6,958.3	6,911.7	17.8	18.7	87.02	535.6	325.4	339.8	304.2	35.64	9.535		
7,000.0	6,963.7	7,008.3	6,961.7	17.9	18.8	87.02	535.6	325.4	339.8	304.0	35.83	9.485		
7,050.0	7,013.7	7,058.3	7,011.7	18.0	18.9	87.02	535.6	325.4	339.8	303.8	36.01	9.436		
7,100.0	7,063.7	7,108.3	7,061.7	18.1	19.0	87.02	535.6	325.4	339.8	303.6	36.20	9.387		
7,150.0	7,113.7	7,158.3	7,111.7	18.2	19.1	87.02	535.6	325.4	339.8	303.4	36.39	9.338		
7,200.0	7,163.7	7,208.3	7,161.7	18.3	19.2	87.02	535.6	325.4	339.8	303.2	36.58	9.290		
7,250.0	7,213.7	7,258.3	7,211.7	18.4	19.3	87.02	535.6	325.4	339.8	303.1	36.77	9.243		
7,300.0	7,263.7	7,308.3	7,261.7	18.5	19.4	87.02	535.6	325.4	339.8	302.9	36.96	9.195		
7,350.0	7,313.7	7,358.3	7,311.7	18.6	19.5	87.02	535.6	325.4	339.8	302.7	37.15	9.149		
7,400.0	7,363.7	7,408.3	7,361.7	18.7	19.6	87.02	535.6	325.4	339.8	302.5	37.33	9.102		
7,450.0	7,413.7	7,458.3	7,411.7	18.8	19.6	87.02	535.6	325.4	339.8	302.3	37.53	9.056		
7,500.0	7,463.7	7,508.3	7,461.7	18.9	19.7	87.02	535.6	325.4	339.8	302.1	37.72	9.010		
7,550.0	7,513.7	7,558.3	7,511.7	19.0	19.8	87.02	535.6	325.4	339.8	301.9	37.91	8.965		
7,600.0	7,563.7	7,608.3	7,561.7	19.1	19.9	87.02	535.6	325.4	339.8	301.7	38.10	8.920		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	
7,650.0	7,613.7	7,658.3	7,611.7	19.1	20.0	87.02	535.6	325.4	339.8	301.5	38.29	8.875	
7,682.7	7,646.4	7,690.9	7,644.4	19.2	20.1	-93.85	535.6	325.4	339.8	301.4	38.45	8.837	
7,700.0	7,663.7	7,708.3	7,661.7	19.2	20.1	-93.84	535.6	325.4	339.8	301.3	38.52	8.822	
7,750.0	7,713.7	7,758.2	7,711.7	19.3	20.2	-94.15	535.6	325.4	340.0	301.3	38.66	8.793	
7,800.0	7,763.4	7,807.9	7,761.4	19.3	20.3	-95.01	535.6	325.4	340.4	301.6	38.75	8.785	
7,850.0	7,812.6	7,857.1	7,810.6	19.4	20.4	-96.39	535.6	325.4	341.3	302.5	38.78	8.801	
7,900.0	7,861.0	7,906.5	7,860.0	19.3	20.5	-98.25	535.5	325.4	342.9	304.1	38.74	8.851	
7,950.0	7,908.5	7,959.0	7,912.4	19.3	20.5	-100.32	532.6	325.3	345.0	306.4	38.61	8.936	
8,000.0	7,954.8	8,012.6	7,965.5	19.3	20.6	-102.33	525.7	325.2	347.6	309.2	38.41	9.049	
8,050.0	7,999.7	8,067.4	8,019.1	19.2	20.6	-104.28	514.6	325.1	350.6	312.4	38.14	9.191	
8,100.0	8,042.9	8,123.3	8,072.8	19.1	20.5	-106.16	499.0	324.8	353.8	316.0	37.81	9.359	
8,150.0	8,084.3	8,180.5	8,126.3	19.0	20.5	-107.95	478.9	324.5	357.3	319.9	37.40	9.554	
8,200.0	8,123.6	8,238.9	8,179.1	19.0	20.4	-109.64	453.9	324.1	361.0	324.1	36.94	9.772	
8,250.0	8,160.7	8,298.5	8,230.7	18.9	20.3	-111.21	424.1	323.7	364.8	328.3	36.44	10.009	
8,300.0	8,195.3	8,359.4	8,280.6	18.8	20.2	-112.67	389.3	323.2	368.5	332.6	35.91	10.260	
8,350.0	8,227.3	8,421.5	8,328.3	18.8	20.1	-114.00	349.6	322.6	372.1	336.7	35.38	10.517	
8,400.0	8,256.6	8,484.7	8,373.2	18.7	19.9	-115.19	305.1	321.9	375.6	340.7	34.87	10.770	
8,450.0	8,283.0	8,549.0	8,414.6	18.7	19.8	-116.23	256.0	321.2	378.7	344.3	34.40	11.008	
8,500.0	8,306.3	8,614.3	8,452.0	18.7	19.7	-117.11	202.5	320.4	381.5	347.5	34.02	11.214	
8,550.0	8,326.6	8,680.4	8,484.7	18.8	19.6	-117.84	145.1	319.6	383.9	350.1	33.75	11.375	
8,600.0	8,343.5	8,747.2	8,512.3	18.9	19.5	-118.40	84.2	318.6	385.8	352.1	33.61	11.479	
8,650.0	8,357.2	8,814.5	8,534.2	19.0	19.5	-118.79	20.6	317.7	387.1	353.4	33.63	11.509	
8,700.0	8,367.4	8,882.2	8,550.1	19.2	19.5	-119.00	-45.1	316.7	387.8	354.0	33.84	11.461	
8,750.0	8,374.3	8,950.0	8,559.7	19.4	19.8	-119.04	-112.3	315.7	388.0	353.8	34.23	11.336	
8,800.0	8,377.6	9,017.8	8,563.0	19.7	20.1	-118.90	-179.9	314.7	387.5	352.7	34.81	11.134	
8,837.1	8,378.3	9,055.4	8,562.9	19.9	20.3	-118.81	-217.5	314.2	387.2	352.0	35.17	11.007	
8,850.0	8,377.9	9,068.3	8,562.9	20.0	20.4	-118.86	-230.4	314.0	387.3	352.1	35.27	10.981	
8,900.0	8,377.8	9,118.3	8,562.8	20.3	20.7	-118.87	-280.4	313.2	387.4	351.6	35.77	10.830	
8,950.0	8,377.7	9,168.3	8,562.7	20.6	21.1	-118.88	-330.4	312.5	387.4	350.9	36.47	10.622	
9,000.0	8,377.5	9,218.3	8,562.7	21.0	21.5	-118.88	-380.4	311.7	387.4	350.2	37.20	10.414	
9,050.0	8,377.4	9,268.3	8,562.6	21.5	21.9	-118.89	-430.3	311.0	387.5	349.4	38.03	10.187	
9,100.0	8,377.2	9,318.3	8,562.5	22.0	22.4	-118.90	-480.3	310.3	387.5	348.6	38.89	9.965	
9,150.0	8,377.1	9,368.3	8,562.4	22.5	22.9	-118.91	-530.3	309.5	387.5	347.7	39.83	9.729	
9,200.0	8,377.0	9,418.3	8,562.3	23.0	23.5	-118.91	-580.3	308.8	387.5	346.7	40.79	9.500	
9,250.0	8,376.8	9,468.3	8,562.2	23.6	24.0	-118.92	-630.3	308.0	387.6	345.7	41.83	9.265	
9,300.0	8,376.7	9,518.3	8,562.1	24.2	24.6	-118.93	-680.3	307.3	387.6	344.7	42.89	9.037	
9,350.0	8,376.5	9,568.3	8,562.1	24.8	25.2	-118.93	-730.3	306.6	387.6	343.6	44.02	8.806	
9,400.0	8,376.4	9,618.3	8,562.0	25.4	25.9	-118.94	-780.3	305.8	387.6	342.5	45.15	8.585	
9,450.0	8,376.3	9,668.3	8,561.9	26.1	26.5	-118.95	-830.3	305.1	387.7	341.3	46.35	8.364	
9,500.0	8,376.1	9,718.3	8,561.8	26.8	27.2	-118.95	-880.3	304.3	387.7	340.1	47.56	8.152	
9,550.0	8,376.0	9,768.3	8,561.7	27.5	27.9	-118.96	-930.3	303.6	387.7	338.9	48.82	7.943	
9,600.0	8,375.8	9,818.3	8,561.6	28.2	28.6	-118.97	-980.3	302.8	387.8	337.7	50.08	7.742	
9,650.0	8,375.7	9,868.3	8,561.5	28.9	29.3	-118.97	-1,030.3	302.1	387.8	336.4	51.39	7.545	
9,700.0	8,375.6	9,918.3	8,561.5	29.6	30.0	-118.98	-1,080.3	301.4	387.8	335.1	52.71	7.357	
9,750.0	8,375.4	9,968.3	8,561.4	30.4	30.8	-118.99	-1,130.3	300.6	387.8	333.8	54.07	7.173	
9,800.0	8,375.3	10,018.3	8,561.3	31.2	31.5	-119.00	-1,180.3	299.9	387.9	332.4	55.43	6.997	
9,850.0	8,375.1	10,068.3	8,561.2	31.9	32.3	-119.00	-1,230.3	299.1	387.9	331.1	56.83	6.826	
9,900.0	8,375.0	10,118.3	8,561.1	32.7	33.1	-119.01	-1,280.3	298.4	387.9	329.7	58.22	6.662	
9,950.0	8,374.9	10,168.3	8,561.0	33.5	33.9	-119.02	-1,330.2	297.6	387.9	328.3	59.65	6.503	
10,000.0	8,374.7	10,218.3	8,560.9	34.3	34.6	-119.02	-1,380.2	296.9	388.0	326.9	61.08	6.351	
10,050.0	8,374.6	10,268.3	8,560.9	35.1	35.4	-119.03	-1,430.2	296.2	388.0	325.5	62.54	6.204	

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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		
10,100.0	8,374.4	10,318.3	8,560.8	35.9	36.3	-119.04	-1,480.2	295.4	388.0	324.0	64.00	6.063		
10,150.0	8,374.3	10,368.3	8,560.7	36.8	37.1	-119.04	-1,530.2	294.7	388.1	322.6	65.48	5.926		
10,200.0	8,374.2	10,418.3	8,560.6	37.6	37.9	-119.05	-1,580.2	293.9	388.1	321.1	66.96	5.795		
10,250.0	8,374.0	10,468.3	8,560.5	38.4	38.7	-119.06	-1,630.2	293.2	388.1	319.6	68.47	5.669		
10,300.0	8,373.9	10,518.3	8,560.4	39.3	39.6	-119.06	-1,680.2	292.5	388.1	318.2	69.97	5.547		
10,350.0	8,373.7	10,568.3	8,560.3	40.1	40.4	-119.07	-1,730.2	291.7	388.2	316.7	71.49	5.429		
10,400.0	8,373.6	10,618.3	8,560.2	41.0	41.3	-119.08	-1,780.2	291.0	388.2	315.2	73.02	5.316		
10,450.0	8,373.5	10,668.3	8,560.2	41.8	42.1	-119.08	-1,830.2	290.2	388.2	313.7	74.55	5.207		
10,500.0	8,373.3	10,718.3	8,560.1	42.7	43.0	-119.09	-1,880.2	289.5	388.2	312.2	76.09	5.102		
10,550.0	8,373.2	10,768.3	8,560.0	43.6	43.8	-119.10	-1,930.2	288.7	388.3	310.6	77.65	5.001		
10,600.0	8,373.0	10,818.3	8,559.9	44.4	44.7	-119.10	-1,980.2	288.0	388.3	309.1	79.20	4.903		
10,650.0	8,372.9	10,868.3	8,559.8	45.3	45.6	-119.11	-2,030.2	287.3	388.3	307.6	80.76	4.808		
10,700.0	8,372.8	10,918.3	8,559.7	46.2	46.4	-119.12	-2,080.2	286.5	388.4	306.0	82.33	4.717		
10,750.0	8,372.6	10,968.3	8,559.6	47.1	47.3	-119.13	-2,130.2	285.8	388.4	304.5	83.91	4.629		
10,800.0	8,372.5	11,018.3	8,559.6	48.0	48.2	-119.13	-2,180.1	285.0	388.4	302.9	85.49	4.544		
10,850.0	8,372.3	11,068.3	8,559.5	48.8	49.1	-119.14	-2,230.1	284.3	388.4	301.4	87.07	4.461		
10,900.0	8,372.2	11,118.3	8,559.4	49.7	50.0	-119.15	-2,280.1	283.5	388.5	299.8	88.66	4.382		
10,950.0	8,372.1	11,168.3	8,559.3	50.6	50.8	-119.15	-2,330.1	282.8	388.5	298.2	90.26	4.304		
11,000.0	8,371.9	11,218.3	8,559.2	51.5	51.7	-119.16	-2,380.1	282.1	388.5	296.7	91.85	4.230		
11,050.0	8,371.8	11,268.3	8,559.1	52.4	52.6	-119.17	-2,430.1	281.3	388.5	295.1	93.46	4.158		
11,100.0	8,371.6	11,318.3	8,559.0	53.3	53.5	-119.17	-2,480.1	280.6	388.6	293.5	95.06	4.088		
11,150.0	8,371.5	11,368.3	8,559.0	54.2	54.4	-119.18	-2,530.1	279.8	388.6	291.9	96.67	4.020		
11,200.0	8,371.4	11,418.3	8,558.9	55.1	55.3	-119.19	-2,580.1	279.1	388.6	290.3	98.28	3.954		
11,250.0	8,371.2	11,468.3	8,558.8	56.0	56.2	-119.19	-2,630.1	278.4	388.7	288.8	99.90	3.890		
11,300.0	8,371.1	11,518.3	8,558.7	56.9	57.1	-119.20	-2,680.1	277.6	388.7	287.2	101.52	3.829		
11,350.0	8,370.9	11,568.3	8,558.6	57.9	58.0	-119.21	-2,730.1	276.9	388.7	285.6	103.14	3.769		
11,400.0	8,370.8	11,618.3	8,558.5	58.8	59.0	-119.21	-2,780.1	276.1	388.7	284.0	104.76	3.711		
11,450.0	8,370.7	11,668.3	8,558.4	59.7	59.9	-119.22	-2,830.1	275.4	388.8	282.4	106.39	3.654		
11,500.0	8,370.5	11,718.3	8,558.4	60.6	60.8	-119.23	-2,880.1	274.6	388.8	280.8	108.02	3.599		
11,550.0	8,370.4	11,768.3	8,558.3	61.5	61.7	-119.24	-2,930.1	273.9	388.8	279.2	109.66	3.546		
11,600.0	8,370.2	11,818.3	8,558.2	62.4	62.6	-119.24	-2,980.1	273.2	388.8	277.6	111.29	3.494		
11,650.0	8,370.1	11,868.3	8,558.1	63.4	63.5	-119.25	-3,030.1	272.4	388.9	275.9	112.93	3.444		
11,700.0	8,370.0	11,918.3	8,558.0	64.3	64.4	-119.26	-3,080.0	271.7	388.9	274.3	114.57	3.395		
11,750.0	8,369.8	11,968.3	8,557.9	65.2	65.4	-119.26	-3,130.0	270.9	388.9	272.7	116.21	3.347		
11,800.0	8,369.7	12,018.3	8,557.8	66.1	66.3	-119.27	-3,180.0	270.2	389.0	271.1	117.85	3.300		
11,850.0	8,369.5	12,068.3	8,557.8	67.0	67.2	-119.28	-3,230.0	269.4	389.0	269.5	119.49	3.255		
11,900.0	8,369.4	12,118.3	8,557.7	68.0	68.1	-119.28	-3,280.0	268.7	389.0	267.9	121.14	3.211		
11,950.0	8,369.3	12,168.3	8,557.6	68.9	69.0	-119.29	-3,330.0	268.0	389.0	266.3	122.79	3.168		
12,000.0	8,369.1	12,218.3	8,557.5	69.8	70.0	-119.30	-3,380.0	267.2	389.1	264.6	124.44	3.127		
12,050.0	8,369.0	12,268.3	8,557.4	70.8	70.9	-119.30	-3,430.0	266.5	389.1	263.0	126.09	3.086		
12,100.0	8,368.8	12,318.3	8,557.3	71.7	71.8	-119.31	-3,480.0	265.7	389.1	261.4	127.74	3.046		
12,150.0	8,368.7	12,368.3	8,557.2	72.6	72.8	-119.32	-3,530.0	265.0	389.1	259.8	129.39	3.007		
12,200.0	8,368.6	12,418.3	8,557.2	73.5	73.7	-119.32	-3,580.0	264.3	389.2	258.1	131.05	2.970		
12,250.0	8,368.4	12,468.3	8,557.1	74.5	74.6	-119.33	-3,630.0	263.5	389.2	256.5	132.71	2.933		
12,300.0	8,368.3	12,518.3	8,557.0	75.4	75.5	-119.34	-3,680.0	262.8	389.2	254.9	134.36	2.897		
12,350.0	8,368.1	12,568.3	8,556.9	76.3	76.5	-119.34	-3,730.0	262.0	389.3	253.2	136.02	2.862		
12,400.0	8,368.0	12,618.3	8,556.8	77.3	77.4	-119.35	-3,780.0	261.3	389.3	251.6	137.68	2.827		
12,450.0	8,367.9	12,668.3	8,556.7	78.2	78.3	-119.36	-3,830.0	260.5	389.3	250.0	139.34	2.794		
12,500.0	8,367.7	12,718.3	8,556.6	79.1	79.3	-119.36	-3,880.0	259.8	389.3	248.3	141.00	2.761		
12,550.0	8,367.6	12,768.3	8,556.5	80.1	80.2	-119.37	-3,930.0	259.1	389.4	246.7	142.67	2.729		
12,600.0	8,367.4	12,818.3	8,556.5	81.0	81.1	-119.38	-3,979.9	258.3	389.4	245.1	144.33	2.698		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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			
12,650.0	8,367.3	12,868.3	8,556.4	82.0	82.1	-119.39	-4,029.9	257.6	389.4	243.4	145.99	2.667			
12,700.0	8,367.2	12,918.3	8,556.3	82.9	83.0	-119.39	-4,079.9	256.8	389.5	241.8	147.66	2.637			
12,750.0	8,367.0	12,968.3	8,556.2	83.8	83.9	-119.40	-4,129.9	256.1	389.5	240.2	149.33	2.608			
12,800.0	8,366.9	13,018.3	8,556.1	84.8	84.9	-119.41	-4,179.9	255.4	389.5	238.5	150.99	2.580			
12,850.0	8,366.7	13,068.3	8,556.0	85.7	85.8	-119.41	-4,229.9	254.6	389.5	236.9	152.66	2.552			
12,900.0	8,366.6	13,118.3	8,555.9	86.7	86.8	-119.42	-4,279.9	253.9	389.6	235.2	154.33	2.524			
12,950.0	8,366.5	13,168.3	8,555.9	87.6	87.7	-119.43	-4,329.9	253.1	389.6	233.6	156.00	2.497			
13,000.0	8,366.3	13,218.3	8,555.8	88.5	88.6	-119.43	-4,379.9	252.4	389.6	231.9	157.67	2.471			
13,050.0	8,366.2	13,268.3	8,555.7	89.5	89.6	-119.44	-4,429.9	251.6	389.6	230.3	159.34	2.445			
13,100.0	8,366.0	13,318.3	8,555.6	90.4	90.5	-119.45	-4,479.9	250.9	389.7	228.7	161.01	2.420			
13,150.0	8,365.9	13,368.3	8,555.5	91.4	91.5	-119.45	-4,529.9	250.2	389.7	227.0	162.68	2.395			
13,200.0	8,365.8	13,418.3	8,555.4	92.3	92.4	-119.46	-4,579.9	249.4	389.7	225.4	164.35	2.371			
13,250.0	8,365.6	13,468.3	8,555.3	93.3	93.3	-119.47	-4,629.9	248.7	389.8	223.7	166.03	2.348			
13,300.0	8,365.5	13,518.3	8,555.3	94.2	94.3	-119.47	-4,679.9	247.9	389.8	222.1	167.70	2.324			
13,350.0	8,365.3	13,568.3	8,555.2	95.1	95.2	-119.48	-4,729.9	247.2	389.8	220.4	169.37	2.301			
13,400.0	8,365.2	13,618.3	8,555.1	96.1	96.2	-119.49	-4,779.9	246.4	389.8	218.8	171.05	2.279			
13,450.0	8,365.1	13,668.3	8,555.0	97.0	97.1	-119.49	-4,829.9	245.7	389.9	217.1	172.72	2.257			
13,500.0	8,364.9	13,718.3	8,554.9	98.0	98.1	-119.50	-4,879.8	245.0	389.9	215.5	174.40	2.236			
13,550.0	8,364.8	13,768.3	8,554.8	98.9	99.0	-119.51	-4,929.8	244.2	389.9	213.8	176.07	2.215			
13,600.0	8,364.6	13,818.3	8,554.7	99.9	100.0	-119.51	-4,979.8	243.5	389.9	212.2	177.75	2.194			
13,650.0	8,364.5	13,868.3	8,554.7	100.8	100.9	-119.52	-5,029.8	242.7	390.0	210.6	179.42	2.173			
13,700.0	8,364.4	13,918.3	8,554.6	101.8	101.8	-119.53	-5,079.8	242.0	390.0	208.9	181.10	2.154			
13,750.0	8,364.2	13,968.3	8,554.5	102.7	102.8	-119.53	-5,129.8	241.3	390.0	207.3	182.78	2.134			
13,800.0	8,364.1	14,018.3	8,554.4	103.7	103.7	-119.54	-5,179.8	240.5	390.1	205.6	184.46	2.115			
13,850.0	8,363.9	14,068.3	8,554.3	104.6	104.7	-119.55	-5,229.8	239.8	390.1	204.0	186.13	2.096			
13,900.0	8,363.8	14,118.3	8,554.2	105.6	105.6	-119.56	-5,279.8	239.0	390.1	202.3	187.81	2.077			
13,950.0	8,363.7	14,168.3	8,554.1	106.5	106.6	-119.56	-5,329.8	238.3	390.1	200.7	189.49	2.059			
14,000.0	8,363.5	14,218.3	8,554.1	107.5	107.5	-119.57	-5,379.8	237.5	390.2	199.0	191.17	2.041			
14,050.0	8,363.4	14,268.3	8,554.0	108.4	108.5	-119.58	-5,429.8	236.8	390.2	197.4	192.85	2.023			
14,100.0	8,363.2	14,318.3	8,553.9	109.4	109.4	-119.58	-5,479.8	236.1	390.2	195.7	194.53	2.006			
14,150.0	8,363.1	14,368.3	8,553.8	110.3	110.4	-119.59	-5,529.8	235.3	390.3	194.0	196.21	1.989			
14,200.0	8,363.0	14,418.3	8,553.7	111.3	111.3	-119.60	-5,579.8	234.6	390.3	192.4	197.88	1.972			
14,250.0	8,362.8	14,468.3	8,553.6	112.2	112.3	-119.60	-5,629.8	233.8	390.3	190.7	199.56	1.956			
14,300.0	8,362.7	14,518.3	8,553.5	113.2	113.2	-119.61	-5,679.8	233.1	390.3	189.1	201.24	1.940			
14,350.0	8,362.5	14,568.3	8,553.5	114.1	114.2	-119.62	-5,729.8	232.3	390.4	187.4	202.92	1.924			
14,400.0	8,362.4	14,618.3	8,553.4	115.1	115.1	-119.62	-5,779.7	231.6	390.4	185.8	204.60	1.908			
14,450.0	8,362.3	14,668.3	8,553.3	116.0	116.1	-119.63	-5,829.7	230.9	390.4	184.1	206.29	1.893			
14,500.0	8,362.1	14,718.3	8,553.2	117.0	117.0	-119.64	-5,879.7	230.1	390.4	182.5	207.97	1.877			
14,550.0	8,362.0	14,768.3	8,553.1	117.9	118.0	-119.64	-5,929.7	229.4	390.5	180.8	209.65	1.863			
14,600.0	8,361.8	14,818.3	8,553.0	118.9	118.9	-119.65	-5,979.7	228.6	390.5	179.2	211.33	1.848			
14,650.0	8,361.7	14,868.3	8,552.9	119.8	119.9	-119.66	-6,029.7	227.9	390.5	177.5	213.01	1.833			
14,700.0	8,361.6	14,918.3	8,552.8	120.8	120.8	-119.66	-6,079.7	227.2	390.6	175.9	214.69	1.819			
14,750.0	8,361.4	14,968.3	8,552.8	121.7	121.8	-119.67	-6,129.7	226.4	390.6	174.2	216.37	1.805			
14,800.0	8,361.3	15,018.3	8,552.7	122.7	122.7	-119.68	-6,179.7	225.7	390.6	172.6	218.05	1.791			
14,850.0	8,361.1	15,068.3	8,552.6	123.6	123.7	-119.68	-6,229.7	224.9	390.6	170.9	219.74	1.778			
14,900.0	8,361.0	15,118.3	8,552.5	124.6	124.6	-119.69	-6,279.7	224.2	390.7	169.3	221.42	1.764			
14,950.0	8,360.9	15,168.3	8,552.4	125.5	125.6	-119.70	-6,329.7	223.4	390.7	167.6	223.10	1.751			
15,000.0	8,360.7	15,218.3	8,552.3	126.5	126.5	-119.70	-6,379.7	222.7	390.7	165.9	224.78	1.738			
15,050.0	8,360.6	15,268.3	8,552.2	127.4	127.5	-119.71	-6,429.7	222.0	390.8	164.3	226.46	1.725			
15,100.0	8,360.4	15,318.3	8,552.2	128.4	128.4	-119.72	-6,479.7	221.2	390.8	162.6	228.15	1.713			
15,150.0	8,360.3	15,368.3	8,552.1	129.3	129.4	-119.72	-6,529.7	220.5	390.8	161.0	229.83	1.700			

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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							
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	
15,200.0	8,360.2	15,418.3	8,552.0	130.3	130.3	-119.73	-6,579.7	219.7	390.8	159.3	231.51	1.688		
15,250.0	8,360.0	15,468.3	8,551.9	131.2	131.3	-119.74	-6,629.7	219.0	390.9	157.7	233.19	1.676		
15,300.0	8,359.9	15,518.3	8,551.8	132.2	132.2	-119.75	-6,679.6	218.2	390.9	156.0	234.88	1.664		
15,350.0	8,359.7	15,568.3	8,551.7	133.2	133.2	-119.75	-6,729.6	217.5	390.9	154.4	236.56	1.653		
15,400.0	8,359.6	15,618.3	8,551.6	134.1	134.2	-119.76	-6,779.6	216.8	390.9	152.7	238.24	1.641		
15,450.0	8,359.5	15,668.3	8,551.6	135.1	135.1	-119.77	-6,829.6	216.0	391.0	151.1	239.92	1.630		
15,500.0	8,359.3	15,718.3	8,551.5	136.0	136.1	-119.77	-6,879.6	215.3	391.0	149.4	241.61	1.618		
15,550.0	8,359.2	15,768.3	8,551.4	137.0	137.0	-119.78	-6,929.6	214.5	391.0	147.7	243.29	1.607		
15,600.0	8,359.0	15,818.3	8,551.3	137.9	138.0	-119.79	-6,979.6	213.8	391.1	146.1	244.97	1.596		
15,650.0	8,358.9	15,868.3	8,551.2	138.9	138.9	-119.79	-7,029.6	213.1	391.1	144.4	246.65	1.586		
15,700.0	8,358.8	15,918.3	8,551.1	139.8	139.9	-119.80	-7,079.6	212.3	391.1	142.8	248.34	1.575		
15,750.0	8,358.6	15,968.3	8,551.0	140.8	140.8	-119.81	-7,129.6	211.6	391.1	141.1	250.02	1.564		
15,800.0	8,358.5	16,018.3	8,551.0	141.7	141.8	-119.81	-7,179.6	210.8	391.2	139.5	251.70	1.554		
15,850.0	8,358.3	16,068.3	8,550.9	142.7	142.7	-119.82	-7,229.6	210.1	391.2	137.8	253.39	1.544		
15,900.0	8,358.2	16,118.3	8,550.8	143.7	143.7	-119.83	-7,279.6	209.3	391.2	136.2	255.07	1.534		
15,950.0	8,358.1	16,168.3	8,550.7	144.6	144.6	-119.83	-7,329.6	208.6	391.3	134.5	256.75	1.524		
16,000.0	8,357.9	16,218.3	8,550.6	145.6	145.6	-119.84	-7,379.6	207.9	391.3	132.8	258.43	1.514		
16,050.0	8,357.8	16,268.3	8,550.5	146.5	146.6	-119.85	-7,429.6	207.1	391.3	131.2	260.12	1.504		
16,100.0	8,357.6	16,318.2	8,550.4	147.5	147.5	-119.85	-7,479.6	206.4	391.3	129.5	261.80	1.495	Level 3	
16,150.0	8,357.5	16,368.2	8,550.4	148.4	148.5	-119.86	-7,529.5	205.6	391.4	127.9	263.48	1.485	Level 3	
16,200.0	8,357.4	16,418.2	8,550.3	149.4	149.4	-119.87	-7,579.5	204.9	391.4	126.2	265.17	1.476	Level 3	
16,250.0	8,357.2	16,468.2	8,550.2	150.3	150.4	-119.87	-7,629.5	204.1	391.4	124.6	266.85	1.467	Level 3	
16,300.0	8,357.1	16,518.2	8,550.1	151.3	151.3	-119.88	-7,679.5	203.4	391.5	122.9	268.53	1.458	Level 3	
16,350.0	8,356.9	16,568.2	8,550.0	152.3	152.3	-119.89	-7,729.5	202.7	391.5	121.3	270.21	1.449	Level 3	
16,400.0	8,356.8	16,618.2	8,549.9	153.2	153.2	-119.89	-7,779.5	201.9	391.5	119.6	271.90	1.440	Level 3	
16,450.0	8,356.7	16,668.2	8,549.8	154.2	154.2	-119.90	-7,829.5	201.2	391.5	118.0	273.58	1.431	Level 3	
16,500.0	8,356.5	16,718.2	8,549.7	155.1	155.2	-119.91	-7,879.5	200.4	391.6	116.3	275.26	1.423	Level 3	
16,550.0	8,356.4	16,768.2	8,549.7	156.1	156.1	-119.91	-7,929.5	199.7	391.6	114.6	276.94	1.414	Level 3	
16,600.0	8,356.2	16,818.2	8,549.6	157.0	157.1	-119.92	-7,979.5	199.0	391.6	113.0	278.63	1.406	Level 3	
16,650.0	8,356.1	16,868.2	8,549.5	158.0	158.0	-119.93	-8,029.5	198.2	391.6	111.3	280.31	1.397	Level 3	
16,700.0	8,356.0	16,918.2	8,549.4	159.0	159.0	-119.93	-8,079.5	197.5	391.7	109.7	281.99	1.389	Level 3	
16,750.0	8,355.8	16,968.2	8,549.3	159.9	159.9	-119.94	-8,129.5	196.7	391.7	108.0	283.68	1.381	Level 3	
16,800.0	8,355.7	17,018.2	8,549.2	160.9	160.9	-119.95	-8,179.5	196.0	391.7	106.4	285.36	1.373	Level 3	
16,850.0	8,355.5	17,068.2	8,549.1	161.8	161.9	-119.95	-8,229.5	195.2	391.8	104.7	287.04	1.365	Level 3	
16,900.0	8,355.4	17,118.2	8,549.1	162.8	162.8	-119.96	-8,279.5	194.5	391.8	103.1	288.72	1.357	Level 3	
16,950.0	8,355.3	17,168.2	8,549.0	163.7	163.8	-119.97	-8,329.5	193.8	391.8	101.4	290.40	1.349	Level 3	
17,000.0	8,355.1	17,218.2	8,548.9	164.7	164.7	-119.97	-8,379.5	193.0	391.8	99.8	292.09	1.342	Level 3	
17,050.0	8,355.0	17,268.2	8,548.8	165.7	165.7	-119.98	-8,429.4	192.3	391.9	98.1	293.77	1.334	Level 3	
17,100.0	8,354.8	17,318.2	8,548.7	166.6	166.6	-119.99	-8,479.4	191.5	391.9	96.4	295.45	1.326	Level 3	
17,150.0	8,354.7	17,368.2	8,548.6	167.6	167.6	-119.99	-8,529.4	190.8	391.9	94.8	297.13	1.319	Level 3	
17,200.0	8,354.6	17,418.2	8,548.5	168.5	168.6	-120.00	-8,579.4	190.1	392.0	93.1	298.81	1.312	Level 3	
17,250.0	8,354.4	17,468.2	8,548.5	169.5	169.5	-120.01	-8,629.4	189.3	392.0	91.5	300.50	1.304	Level 3	
17,300.0	8,354.3	17,518.2	8,548.4	170.4	170.5	-120.02	-8,679.4	188.6	392.0	89.8	302.18	1.297	Level 3	
17,350.0	8,354.1	17,568.2	8,548.3	171.4	171.4	-120.02	-8,729.4	187.8	392.0	88.2	303.86	1.290	Level 3	
17,400.0	8,354.0	17,618.2	8,548.2	172.4	172.4	-120.03	-8,779.4	187.1	392.1	86.5	305.54	1.283	Level 3	
17,450.0	8,353.9	17,668.2	8,548.1	173.3	173.3	-120.04	-8,829.4	186.3	392.1	84.9	307.22	1.276	Level 3	
17,500.0	8,353.7	17,718.2	8,548.0	174.3	174.3	-120.04	-8,879.4	185.6	392.1	83.2	308.90	1.269	Level 3	
17,550.0	8,353.6	17,768.2	8,547.9	175.2	175.3	-120.05	-8,929.4	184.9	392.2	81.6	310.59	1.263	Level 3	
17,600.0	8,353.4	17,818.2	8,547.9	176.2	176.2	-120.06	-8,979.4	184.1	392.2	79.9	312.27	1.256	Level 3	
17,650.0	8,353.3	17,868.2	8,547.8	177.2	177.2	-120.06	-9,029.4	183.4	392.2	78.3	313.95	1.249	Level 2	
17,700.0	8,353.2	17,918.2	8,547.7	178.1	178.1	-120.07	-9,079.4	182.6	392.2	76.6	315.63	1.243	Level 2	

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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					
17,750.0	8,353.0	17,968.2	8,547.6	179.1	179.1	-120.08	-9,129.4	181.9	392.3	75.0	317.31	1.236	Level 2				
17,800.0	8,352.9	18,018.2	8,547.5	180.0	180.0	-120.08	-9,179.4	181.1	392.3	73.3	318.99	1.230	Level 2				
17,850.0	8,352.7	18,068.2	8,547.4	181.0	181.0	-120.09	-9,229.4	180.4	392.3	71.6	320.67	1.223	Level 2				
17,900.0	8,352.6	18,118.2	8,547.3	181.9	182.0	-120.10	-9,279.4	179.7	392.3	70.0	322.35	1.217	Level 2				
17,950.0	8,352.5	18,168.2	8,547.3	182.9	182.9	-120.10	-9,329.3	178.9	392.4	68.3	324.03	1.211	Level 2				
18,000.0	8,352.3	18,218.2	8,547.2	183.9	183.9	-120.11	-9,379.3	178.2	392.4	66.7	325.71	1.205	Level 2				
18,050.0	8,352.2	18,268.2	8,547.1	184.8	184.8	-120.12	-9,429.3	177.4	392.4	65.0	327.40	1.199	Level 2				
18,074.4	8,352.1	18,292.6	8,547.0	185.3	185.3	-120.12	-9,453.7	177.1	392.4	64.2	328.21	1.196	Level 2				
18,100.0	8,352.0	18,315.6	8,547.0	185.8	185.7	-120.12	-9,476.7	176.7	392.5	63.4	329.03	1.193	Level 2, SF				
18,113.7	8,352.0	18,315.6	8,547.0	186.0	185.7	-120.12	-9,476.7	176.7	392.8	63.5	329.26	1.193	Level 2				

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - Wellbore #1 - Pla												Offset Site Error:	
Survey Program:		0-MWD												Offset Well Error:	
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)				
0.0	0.0	3.0	3.0	0.0	0.0	-90.01	0.0	-30.4	30.4	30.4	0.00	8,516.175			
50.0	50.0	53.0	53.0	0.1	0.1	-90.01	0.0	-30.4	30.4	30.2	0.12	262.104			
100.0	100.0	103.0	103.0	0.1	0.1	-90.01	0.0	-30.4	30.4	30.1	0.23	131.158			
150.0	150.0	153.0	153.0	0.2	0.2	-90.01	0.0	-30.4	30.4	29.9	0.46	66.548			
200.0	200.0	203.0	203.0	0.3	0.3	-90.01	0.0	-30.4	30.4	29.7	0.68	44.585			
250.0	250.0	253.0	253.0	0.4	0.5	-90.01	0.0	-30.4	30.4	29.5	0.91	33.522			
300.0	300.0	303.0	303.0	0.6	0.6	-90.01	0.0	-30.4	30.4	29.2	1.13	26.857			
350.0	350.0	353.0	353.0	0.7	0.7	-90.01	0.0	-30.4	30.4	29.0	1.36	22.403			
400.0	400.0	403.0	403.0	0.8	0.8	-90.01	0.0	-30.4	30.4	28.8	1.58	19.217			
450.0	450.0	453.0	453.0	0.9	0.9	-90.01	0.0	-30.4	30.4	28.6	1.80	16.824			
500.0	500.0	503.0	503.0	1.0	1.0	-90.01	0.0	-30.4	30.4	28.3	2.03	14.960			
550.0	550.0	553.0	553.0	1.1	1.1	-90.01	0.0	-30.4	30.4	28.1	2.25	13.469			
600.0	600.0	603.0	603.0	1.2	1.2	-90.01	0.0	-30.4	30.4	27.9	2.48	12.248			
650.0	650.0	653.0	653.0	1.3	1.4	-90.01	0.0	-30.4	30.4	27.7	2.70	11.230			
700.0	700.0	703.0	703.0	1.5	1.5	-90.01	0.0	-30.4	30.4	27.4	2.93	10.368			
750.0	750.0	753.0	753.0	1.6	1.6	-90.01	0.0	-30.4	30.4	27.2	3.15	9.629			
800.0	800.0	803.0	803.0	1.7	1.7	-90.01	0.0	-30.4	30.4	27.0	3.38	8.988			
850.0	850.0	853.0	853.0	1.8	1.8	-90.01	0.0	-30.4	30.4	26.8	3.60	8.428			
900.0	900.0	903.0	903.0	1.9	1.9	-90.01	0.0	-30.4	30.4	26.5	3.83	7.933			
950.0	950.0	953.0	953.0	2.0	2.0	-90.01	0.0	-30.4	30.4	26.3	4.05	7.493			
982.3	982.3	985.3	985.3	2.1	2.1	-90.01	0.0	-30.4	30.4	26.2	4.20	7.234 CC			
1,000.0	1,000.0	1,003.0	1,003.0	2.1	2.1	-90.01	0.0	-30.4	30.4	26.1	4.28	7.099			
1,050.0	1,050.0	1,052.8	1,052.8	2.2	2.3	-89.43	0.3	-30.6	30.6	26.1	4.50	6.792 ES			
1,100.0	1,100.0	1,102.5	1,102.5	2.4	2.4	-87.88	1.2	-31.1	31.1	26.4	4.72	6.593			
1,150.0	1,150.0	1,152.3	1,152.2	2.5	2.5	-85.46	2.5	-32.0	32.1	27.2	4.95	6.496			
1,200.0	1,200.0	1,201.9	1,201.8	2.6	2.6	-82.34	4.5	-33.3	33.6	28.4	5.17	6.499			
1,250.0	1,250.0	1,251.5	1,251.4	2.7	2.7	-78.73	6.9	-34.9	35.6	30.2	5.39	6.601			
1,300.0	1,300.0	1,301.1	1,300.8	2.8	2.8	-74.87	10.0	-36.8	38.2	32.6	5.61	6.804			
1,350.0	1,350.0	1,350.5	1,350.0	2.9	2.9	-70.97	13.5	-39.1	41.5	35.6	5.84	7.102			
1,400.0	1,400.0	1,400.0	1,399.3	3.0	3.0	-67.18	17.6	-41.7	45.4	39.4	6.06	7.493			
1,450.0	1,450.0	1,449.0	1,447.9	3.1	3.2	-63.66	22.1	-44.7	50.1	43.8	6.29	7.969			
1,500.0	1,500.0	1,498.0	1,496.6	3.3	3.3	-60.44	27.2	-48.0	55.5	49.0	6.51	8.526			
1,550.0	1,550.0	1,546.9	1,545.0	3.4	3.4	-57.56	32.8	-51.6	61.7	54.9	6.74	9.149			
1,600.0	1,600.0	1,595.5	1,593.1	3.5	3.6	-55.00	38.9	-55.5	68.5	61.6	6.97	9.837			
1,650.0	1,650.0	1,644.0	1,641.0	3.6	3.7	-52.75	45.5	-59.8	76.1	68.9	7.19	10.577			
1,700.0	1,700.0	1,693.0	1,689.3	3.7	3.8	-50.79	52.5	-64.3	84.2	76.7	7.42	11.343			
1,750.0	1,750.0	1,742.3	1,737.8	3.8	4.0	-49.17	59.6	-68.9	92.3	84.7	7.65	12.076			
1,800.0	1,800.0	1,791.6	1,786.4	3.9	4.1	-47.80	66.6	-73.5	100.6	92.7	7.87	12.778			
1,850.0	1,850.0	1,840.8	1,834.9	4.0	4.3	-46.65	73.7	-78.1	108.9	100.8	8.10	13.443			
1,900.0	1,900.0	1,890.1	1,883.4	4.2	4.5	-45.66	80.8	-82.7	117.2	108.9	8.33	14.077			
1,950.0	1,950.0	1,939.4	1,932.0	4.3	4.6	-44.80	87.9	-87.2	125.6	117.0	8.56	14.679			
2,000.0	2,000.0	1,988.6	1,980.5	4.4	4.8	-44.04	94.9	-91.8	134.0	125.2	8.78	15.253			
2,050.0	2,050.0	2,037.9	2,029.1	4.5	5.0	-41.84	102.0	-96.4	142.1	133.1	9.02	15.766			
2,100.0	2,100.0	2,087.3	2,077.8	4.6	5.1	-41.42	109.1	-101.0	149.8	140.6	9.25	16.206			
2,150.0	2,150.0	2,136.8	2,126.5	4.7	5.3	-41.19	116.2	-105.6	157.0	147.6	9.48	16.572			
2,200.0	2,199.9	2,186.4	2,175.3	4.8	5.5	-41.14	123.3	-110.2	163.8	154.0	9.71	16.870			
2,250.0	2,249.8	2,236.0	2,224.2	4.9	5.7	-41.23	130.4	-114.8	170.0	160.1	9.94	17.103			
2,300.0	2,299.7	2,285.6	2,273.1	5.1	5.8	-41.46	137.6	-119.4	175.7	165.6	10.17	17.277			
2,350.0	2,349.5	2,335.3	2,322.1	5.2	6.0	-41.82	144.7	-124.0	181.0	170.6	10.41	17.394			
2,400.0	2,399.3	2,385.1	2,371.1	5.3	6.2	-42.29	151.9	-128.7	185.8	175.2	10.64	17.461			
2,450.0	2,449.0	2,434.8	2,420.1	5.4	6.4	-42.88	159.0	-133.3	190.1	179.3	10.88	17.477			

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - 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	2,498.6	2,484.6	2,469.2	5.5	6.6	-43.57	166.1	-137.9	194.0	182.9	11.12	17.450		
2,550.0	2,548.1	2,534.4	2,518.3	5.6	6.7	-44.38	173.3	-142.5	197.5	186.1	11.36	17.379		
2,600.0	2,597.6	2,584.2	2,567.3	5.8	6.9	-45.27	180.4	-147.2	200.6	189.0	11.61	17.276		
2,650.0	2,647.0	2,634.0	2,616.4	5.9	7.1	-46.14	187.6	-151.8	203.8	192.0	11.87	17.174		
2,700.0	2,696.5	2,683.8	2,665.5	6.0	7.3	-46.99	194.7	-156.4	207.1	195.0	12.13	17.078		
2,750.0	2,746.0	2,733.6	2,714.5	6.2	7.5	-47.81	201.9	-161.1	210.4	198.0	12.39	16.982		
2,800.0	2,795.4	2,783.4	2,763.6	6.3	7.7	-48.60	209.1	-165.7	213.7	201.1	12.65	16.892		
2,850.0	2,844.9	2,833.2	2,812.7	6.4	7.8	-49.37	216.2	-170.3	217.1	204.2	12.92	16.802		
2,900.0	2,894.3	2,883.0	2,861.7	6.6	8.0	-50.12	223.4	-174.9	220.5	207.4	13.19	16.717		
2,950.0	2,943.8	2,932.8	2,910.8	6.7	8.2	-50.84	230.5	-179.6	224.0	210.5	13.47	16.633		
3,000.0	2,993.3	2,982.6	2,959.9	6.8	8.4	-51.54	237.7	-184.2	227.5	213.8	13.74	16.553		
3,050.0	3,042.7	3,032.4	3,008.9	7.0	8.6	-52.22	244.8	-188.8	231.0	217.0	14.02	16.473		
3,100.0	3,092.2	3,082.2	3,058.0	7.1	8.8	-52.88	252.0	-193.5	234.6	220.3	14.31	16.397		
3,150.0	3,141.7	3,132.0	3,107.1	7.3	9.0	-53.52	259.1	-198.1	238.2	223.6	14.59	16.322		
3,200.0	3,191.1	3,181.8	3,156.1	7.4	9.2	-54.15	266.3	-202.7	241.8	226.9	14.88	16.250		
3,250.0	3,240.6	3,231.6	3,205.2	7.6	9.3	-54.75	273.4	-207.3	245.4	230.3	15.17	16.179		
3,300.0	3,290.1	3,281.4	3,254.3	7.7	9.5	-55.33	280.6	-212.0	249.1	233.6	15.46	16.111		
3,350.0	3,339.5	3,331.2	3,303.3	7.9	9.7	-55.90	287.7	-216.6	252.8	237.0	15.76	16.044		
3,400.0	3,389.0	3,381.0	3,352.4	8.0	9.9	-56.45	294.9	-221.2	256.5	240.4	16.05	15.979		
3,450.0	3,438.4	3,430.9	3,401.5	8.2	10.1	-56.99	302.0	-225.9	260.2	243.9	16.35	15.916		
3,500.0	3,487.9	3,480.7	3,450.5	8.3	10.3	-57.51	309.2	-230.5	264.0	247.4	16.65	15.854		
3,550.0	3,537.4	3,530.5	3,499.6	8.5	10.5	-58.02	316.3	-235.1	267.8	250.8	16.95	15.794		
3,600.0	3,586.8	3,580.3	3,548.7	8.6	10.7	-58.51	323.5	-239.7	271.6	254.3	17.26	15.736		
3,650.0	3,636.3	3,630.1	3,597.7	8.8	10.9	-58.99	330.6	-244.4	275.4	257.8	17.57	15.679		
3,700.0	3,685.8	3,679.9	3,646.8	8.9	11.1	-59.45	337.8	-249.0	279.3	261.4	17.87	15.624		
3,750.0	3,735.2	3,729.7	3,695.9	9.1	11.3	-59.90	344.9	-253.6	283.1	264.9	18.18	15.569		
3,800.0	3,784.7	3,779.5	3,744.9	9.3	11.4	-60.35	352.1	-258.3	287.0	268.5	18.50	15.517		
3,850.0	3,834.2	3,829.3	3,794.0	9.4	11.6	-60.77	359.2	-262.9	290.9	272.1	18.81	15.465		
3,900.0	3,883.6	3,879.1	3,843.1	9.6	11.8	-61.19	366.4	-267.5	294.8	275.7	19.12	15.416		
3,950.0	3,933.1	3,928.9	3,892.2	9.7	12.0	-61.60	373.5	-272.1	298.7	279.3	19.44	15.367		
4,000.0	3,982.5	3,978.7	3,941.2	9.9	12.2	-61.99	380.7	-276.8	302.7	282.9	19.76	15.320		
4,050.0	4,032.0	4,028.5	3,990.3	10.1	12.4	-62.38	387.8	-281.4	306.6	286.5	20.07	15.274		
4,100.0	4,081.5	4,078.3	4,039.4	10.2	12.6	-62.76	395.0	-286.0	310.6	290.2	20.39	15.229		
4,150.0	4,130.9	4,128.1	4,088.4	10.4	12.8	-63.12	402.1	-290.7	314.6	293.8	20.72	15.185		
4,200.0	4,180.4	4,177.9	4,137.5	10.5	13.0	-63.48	409.3	-295.3	318.6	297.5	21.04	15.142		
4,250.0	4,229.9	4,227.7	4,186.6	10.7	13.2	-63.83	416.4	-299.9	322.6	301.2	21.36	15.101		
4,300.0	4,279.3	4,277.5	4,235.6	10.9	13.4	-64.17	423.6	-304.5	326.6	304.9	21.68	15.060		
4,350.0	4,328.8	4,327.3	4,284.7	11.0	13.6	-64.50	430.7	-309.2	330.6	308.6	22.01	15.021		
4,400.0	4,378.3	4,377.1	4,333.8	11.2	13.7	-64.82	437.9	-313.8	334.6	312.3	22.34	14.982		
4,450.0	4,427.7	4,426.9	4,382.8	11.4	13.9	-65.14	445.0	-318.4	338.7	316.0	22.66	14.945		
4,500.0	4,477.2	4,476.7	4,431.9	11.5	14.1	-65.45	452.2	-323.1	342.7	319.8	22.99	14.908		
4,550.0	4,526.6	4,526.5	4,481.0	11.7	14.3	-65.75	459.3	-327.7	346.8	323.5	23.32	14.873		
4,600.0	4,576.1	4,578.5	4,532.3	11.9	14.5	-66.06	466.7	-332.5	350.8	327.2	23.65	14.834		
4,650.0	4,625.6	4,633.9	4,587.0	12.0	14.7	-66.48	473.9	-337.1	354.2	330.2	23.98	14.773		
4,700.0	4,675.0	4,689.4	4,641.9	12.2	14.8	-66.98	480.1	-341.2	358.8	332.5	24.30	14.683		
4,750.0	4,724.5	4,744.8	4,697.0	12.4	15.0	-67.58	485.5	-344.6	358.7	334.0	24.63	14.563		
4,800.0	4,774.0	4,800.2	4,752.1	12.5	15.1	-68.27	490.0	-347.5	359.8	334.8	24.96	14.413		
4,850.0	4,823.4	4,855.5	4,807.3	12.7	15.2	-69.06	493.5	-349.8	360.2	334.9	25.29	14.240		
4,900.0	4,872.9	4,910.7	4,862.4	12.8	15.3	-69.95	496.2	-351.6	359.9	334.2	25.63	14.040		
4,950.0	4,922.4	4,965.7	4,917.4	13.0	15.4	-70.95	498.0	-352.7	358.9	332.9	25.97	13.820		
5,000.0	4,971.8	5,020.6	4,972.2	13.2	15.5	-72.05	498.9	-353.3	357.3	331.0	26.32	13.578		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - Wellbore #1 - Pla													Offset Well Error:	0.0 ft
Survey Program: 0-MWD														
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	5,021.3	5,072.7	5,024.3	13.3	15.5	-73.21	499.0	-353.4		355.2	328.5	26.66	13.325	
5,100.0	5,070.7	5,122.1	5,073.7	13.5	15.6	-74.33	499.0	-353.4		353.1	326.1	27.00	13.081	
5,150.0	5,120.2	5,171.6	5,123.2	13.7	15.7	-75.47	499.0	-353.4		351.2	323.9	27.34	12.847	
5,200.0	5,169.7	5,221.0	5,172.7	13.9	15.8	-76.62	499.0	-353.4		349.4	321.8	27.68	12.623	
5,250.0	5,219.1	5,270.5	5,222.1	14.0	15.9	-77.77	499.0	-353.4		347.8	319.8	28.03	12.410	
5,300.0	5,268.6	5,320.0	5,271.6	14.2	15.9	-78.94	499.0	-353.4		346.3	318.0	28.37	12.208	
5,350.0	5,318.1	5,369.4	5,321.1	14.4	16.0	-80.12	499.0	-353.4		345.0	316.3	28.71	12.016	
5,400.0	5,367.5	5,418.9	5,370.5	14.5	16.1	-81.31	499.0	-353.4		343.8	314.7	29.05	11.835	
5,450.0	5,417.0	5,468.4	5,420.0	14.7	16.2	-82.50	499.0	-353.4		342.7	313.4	29.39	11.663	
5,500.0	5,466.5	5,517.8	5,469.5	14.9	16.2	-83.70	499.0	-353.4		341.9	312.1	29.72	11.501	
5,550.0	5,515.9	5,567.3	5,518.9	15.0	16.3	-84.91	499.0	-353.4		341.1	311.1	30.06	11.349	
5,600.0	5,565.4	5,616.8	5,568.4	15.2	16.4	-86.12	499.0	-353.4		340.6	310.2	30.39	11.207	
5,650.0	5,614.9	5,666.2	5,617.9	15.4	16.5	-87.30	499.0	-353.4		340.1	309.4	30.70	11.080	
5,700.0	5,664.5	5,715.9	5,667.5	15.5	16.6	-88.34	499.0	-353.4		339.9	308.9	30.99	10.968	
5,750.0	5,714.2	5,765.6	5,717.2	15.6	16.6	-89.25	499.0	-353.4		339.8	308.5	31.24	10.876	
5,798.9	5,762.9	5,814.3	5,765.9	15.7	16.7	-90.00	499.0	-353.4		339.8	308.3	31.48	10.793	
5,800.0	5,764.0	5,815.3	5,767.0	15.7	16.7	-90.01	499.0	-353.4		339.8	308.3	31.49	10.791	
5,850.0	5,813.8	5,865.2	5,816.8	15.8	16.8	-90.63	499.0	-353.4		339.8	308.1	31.70	10.717	
5,900.0	5,863.8	5,915.1	5,866.8	15.9	16.9	-91.11	499.0	-353.4		339.8	307.9	31.92	10.647	
5,950.0	5,913.7	5,965.1	5,916.7	16.0	17.0	-91.44	499.0	-353.4		339.9	307.8	32.11	10.586	
6,000.0	5,963.7	6,015.1	5,966.7	16.1	17.1	-91.62	499.0	-353.4		339.9	307.6	32.29	10.527	
6,050.0	6,013.7	6,065.1	6,016.7	16.2	17.1	-93.21	499.0	-353.4		339.9	307.4	32.50	10.460	
6,100.0	6,063.7	6,115.1	6,066.7	16.3	17.2	-93.21	499.0	-353.4		339.9	307.2	32.66	10.406	
6,150.0	6,113.7	6,165.1	6,116.7	16.3	17.3	-93.21	499.0	-353.4		339.9	307.1	32.84	10.349	
6,200.0	6,163.7	6,215.1	6,166.7	16.4	17.4	-93.21	499.0	-353.4		339.9	306.9	33.02	10.293	
6,250.0	6,213.7	6,265.1	6,216.7	16.5	17.5	-93.21	499.0	-353.4		339.9	306.7	33.20	10.238	
6,300.0	6,263.7	6,315.1	6,266.7	16.6	17.6	-93.21	499.0	-353.4		339.9	306.5	33.38	10.183	
6,350.0	6,313.7	6,365.1	6,316.7	16.7	17.7	-93.21	499.0	-353.4		339.9	306.3	33.56	10.128	
6,400.0	6,363.7	6,415.1	6,366.7	16.8	17.7	-93.21	499.0	-353.4		339.9	306.2	33.74	10.074	
6,450.0	6,413.7	6,465.1	6,416.7	16.9	17.8	-93.21	499.0	-353.4		339.9	306.0	33.92	10.020	
6,500.0	6,463.7	6,515.1	6,466.7	17.0	17.9	-93.21	499.0	-353.4		339.9	305.8	34.10	9.967	
6,550.0	6,513.7	6,565.1	6,516.7	17.1	18.0	-93.21	499.0	-353.4		339.9	305.6	34.28	9.914	
6,600.0	6,563.7	6,615.1	6,566.7	17.2	18.1	-93.21	499.0	-353.4		339.9	305.4	34.47	9.861	
6,650.0	6,613.7	6,665.1	6,616.7	17.3	18.2	-93.21	499.0	-353.4		339.9	305.2	34.65	9.809	
6,700.0	6,663.7	6,715.1	6,666.7	17.3	18.3	-93.21	499.0	-353.4		339.9	305.1	34.83	9.758	
6,750.0	6,713.7	6,765.1	6,716.7	17.4	18.4	-93.21	499.0	-353.4		339.9	304.9	35.02	9.706	
6,800.0	6,763.7	6,815.1	6,766.7	17.5	18.4	-93.21	499.0	-353.4		339.9	304.7	35.20	9.655	
6,850.0	6,813.7	6,865.1	6,816.7	17.6	18.5	-93.21	499.0	-353.4		339.9	304.5	35.39	9.605	
6,900.0	6,863.7	6,915.1	6,866.7	17.7	18.6	-93.21	499.0	-353.4		339.9	304.3	35.57	9.555	
6,950.0	6,913.7	6,965.1	6,916.7	17.8	18.7	-93.21	499.0	-353.4		339.9	304.1	35.76	9.505	
7,000.0	6,963.7	7,015.1	6,966.7	17.9	18.8	-93.21	499.0	-353.4		339.9	304.0	35.95	9.456	
7,050.0	7,013.7	7,065.1	7,016.7	18.0	18.9	-93.21	499.0	-353.4		339.9	303.8	36.13	9.407	
7,100.0	7,063.7	7,115.1	7,066.7	18.1	19.0	-93.21	499.0	-353.4		339.9	303.6	36.32	9.359	
7,150.0	7,113.7	7,165.1	7,116.7	18.2	19.1	-93.21	499.0	-353.4		339.9	303.4	36.51	9.310	
7,200.0	7,163.7	7,215.1	7,166.7	18.3	19.2	-93.21	499.0	-353.4		339.9	303.2	36.69	9.263	
7,250.0	7,213.7	7,265.1	7,216.7	18.4	19.3	-93.21	499.0	-353.4		339.9	303.0	36.88	9.215	
7,300.0	7,263.7	7,315.1	7,266.7	18.5	19.3	-93.21	499.0	-353.4		339.9	302.8	37.07	9.168	
7,350.0	7,313.7	7,365.1	7,316.7	18.6	19.4	-93.21	499.0	-353.4		339.9	302.6	37.26	9.122	
7,400.0	7,363.7	7,415.1	7,366.7	18.7	19.5	-93.21	499.0	-353.4		339.9	302.4	37.45	9.076	
7,450.0	7,413.7	7,465.1	7,416.7	18.8	19.6	-93.21	499.0	-353.4		339.9	302.3	37.64	9.030	
7,500.0	7,463.7	7,515.1	7,466.7	18.9	19.7	-93.21	499.0	-353.4		339.9	302.1	37.83	8.984	

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - 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			
7,550.0	7,513.7	7,565.1	7,516.7	19.0	19.8	-93.21	499.0	-353.4	339.9	301.9	38.02	8.939			
7,600.0	7,563.7	7,615.1	7,566.7	19.1	19.9	-93.21	499.0	-353.4	339.9	301.7	38.21	8.895			
7,650.0	7,613.7	7,665.1	7,616.7	19.1	20.0	-93.21	499.0	-353.4	339.9	301.5	38.41	8.850			
7,700.0	7,663.7	7,715.1	7,666.7	19.2	20.1	85.93	499.0	-353.4	339.9	301.3	38.56	8.814			
7,750.0	7,713.7	7,765.0	7,716.7	19.3	20.2	86.26	499.0	-353.4	339.8	301.1	38.71	8.778			
7,800.0	7,763.4	7,814.7	7,766.4	19.3	20.3	87.18	499.0	-353.4	339.5	300.7	38.80	8.749			
7,850.0	7,812.6	7,863.9	7,815.6	19.4	20.4	88.67	499.0	-353.4	339.1	300.3	38.84	8.732			
7,884.5	7,846.1	7,897.5	7,849.1	19.3	20.4	90.00	499.0	-353.4	339.0	300.2	38.83	8.732			
7,900.0	7,861.0	7,912.5	7,864.1	19.3	20.5	90.67	499.0	-353.4	339.1	300.2	38.82	8.735			
7,950.0	7,908.5	7,961.3	7,912.9	19.3	20.5	92.87	496.9	-353.4	339.5	300.8	38.73	8.766			
8,000.0	7,954.8	8,011.1	7,962.4	19.3	20.6	95.06	491.3	-353.5	340.5	301.9	38.58	8.826			
8,050.0	7,999.7	8,062.0	8,012.4	19.2	20.6	97.25	482.1	-353.6	342.0	303.6	38.36	8.914			
8,100.0	8,042.9	8,113.8	8,062.6	19.1	20.6	99.40	469.1	-353.8	344.0	305.9	38.09	9.031			
8,150.0	8,084.3	8,166.8	8,112.7	19.0	20.5	101.50	452.1	-354.1	346.5	308.7	37.77	9.175			
8,200.0	8,123.6	8,221.0	8,162.6	19.0	20.5	103.55	430.9	-354.4	349.4	312.1	37.38	9.348			
8,250.0	8,160.7	8,276.4	8,211.7	18.9	20.4	105.53	405.4	-354.8	352.8	315.8	36.95	9.546			
8,300.0	8,195.3	8,333.0	8,259.8	18.8	20.3	107.42	375.5	-355.3	356.4	319.9	36.49	9.767			
8,350.0	8,227.3	8,391.0	8,306.4	18.8	20.3	109.22	341.1	-355.8	360.2	324.2	35.99	10.007			
8,400.0	8,256.6	8,450.2	8,351.0	18.7	20.2	110.90	302.2	-356.4	364.1	328.6	35.50	10.259			
8,450.0	8,283.0	8,510.7	8,393.1	18.7	20.1	112.47	258.7	-357.1	368.1	333.1	35.02	10.513			
8,500.0	8,306.3	8,572.5	8,432.1	18.7	20.0	113.92	210.8	-357.8	372.1	337.5	34.58	10.760			
8,550.0	8,326.6	8,635.6	8,467.5	18.8	19.9	115.22	158.6	-358.6	375.9	341.7	34.21	10.987			
8,600.0	8,343.5	8,699.9	8,498.7	18.9	19.8	116.37	102.5	-359.4	379.4	345.5	33.94	11.180			
8,650.0	8,357.2	8,765.2	8,525.2	19.0	19.7	117.37	42.7	-360.4	382.6	348.8	33.80	11.321			
8,700.0	8,367.4	8,831.6	8,546.4	19.2	19.6	118.21	-20.1	-361.3	385.4	351.6	33.80	11.401			
8,750.0	8,374.3	8,898.7	8,561.8	19.4	19.6	118.88	-85.4	-362.3	387.7	353.7	33.97	11.411			
8,800.0	8,377.6	8,966.6	8,571.1	19.7	19.9	119.37	-152.6	-363.4	389.4	355.1	34.33	11.343			
8,850.0	8,377.9	9,034.3	8,574.0	20.0	20.3	119.65	-220.2	-364.4	390.3	355.5	34.84	11.202			
8,900.0	8,377.8	9,084.3	8,573.9	20.3	20.6	119.65	-270.3	-365.1	390.3	355.0	35.37	11.036			
8,950.0	8,377.7	9,134.3	8,573.8	20.6	21.0	119.66	-320.3	-365.9	390.4	354.3	36.06	10.827			
9,000.0	8,377.5	9,184.3	8,573.8	21.0	21.5	119.67	-370.3	-366.6	390.4	353.6	36.77	10.618			
9,050.0	8,377.4	9,234.3	8,573.7	21.5	21.9	119.68	-420.3	-367.4	390.4	352.8	37.59	10.387			
9,100.0	8,377.2	9,284.3	8,573.6	22.0	22.4	119.68	-470.2	-368.1	390.5	352.0	38.43	10.161			
9,150.0	8,377.1	9,334.3	8,573.5	22.5	22.9	119.69	-520.2	-368.9	390.5	351.1	39.36	9.922			
9,200.0	8,377.0	9,384.3	8,573.4	23.0	23.4	119.70	-570.2	-369.6	390.5	350.2	40.31	9.689			
9,250.0	8,376.8	9,434.3	8,573.4	23.6	24.0	119.71	-620.2	-370.4	390.6	349.2	41.34	9.448			
9,300.0	8,376.7	9,484.3	8,573.3	24.2	24.6	119.71	-670.2	-371.1	390.6	348.2	42.38	9.216			
9,350.0	8,376.5	9,534.3	8,573.2	24.8	25.2	119.72	-720.2	-371.8	390.6	347.1	43.50	8.980			
9,400.0	8,376.4	9,584.3	8,573.1	25.4	25.8	119.73	-770.2	-372.6	390.6	346.0	44.62	8.754			
9,450.0	8,376.3	9,634.3	8,573.0	26.1	26.5	119.74	-820.2	-373.3	390.7	344.9	45.81	8.528			
9,500.0	8,376.1	9,684.3	8,572.9	26.8	27.1	119.74	-870.2	-374.1	390.7	343.7	47.01	8.312			
9,550.0	8,376.0	9,734.3	8,572.9	27.5	27.8	119.75	-920.2	-374.8	390.7	342.5	48.25	8.098			
9,600.0	8,375.8	9,784.3	8,572.8	28.2	28.5	119.76	-970.2	-375.6	390.8	341.3	49.51	7.893			
9,650.0	8,375.7	9,834.3	8,572.7	28.9	29.2	119.77	-1,020.2	-376.3	390.8	340.0	50.81	7.691			
9,700.0	8,375.6	9,884.3	8,572.6	29.6	30.0	119.77	-1,070.2	-377.1	390.8	338.7	52.12	7.499			
9,750.0	8,375.4	9,934.3	8,572.5	30.4	30.7	119.78	-1,120.2	-377.8	390.9	337.4	53.46	7.311			
9,800.0	8,375.3	9,984.3	8,572.5	31.2	31.4	119.79	-1,170.2	-378.5	390.9	336.1	54.82	7.131			
9,850.0	8,375.1	10,034.3	8,572.4	31.9	32.2	119.80	-1,220.2	-379.3	390.9	334.7	56.20	6.956			
9,900.0	8,375.0	10,084.3	8,572.3	32.7	33.0	119.80	-1,270.2	-380.0	391.0	333.4	57.59	6.789			
9,950.0	8,374.9	10,134.3	8,572.2	33.5	33.8	119.81	-1,320.2	-380.8	391.0	332.0	59.01	6.626			
10,000.0	8,374.7	10,184.3	8,572.1	34.3	34.6	119.82	-1,370.1	-381.5	391.0	330.6	60.43	6.471			

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - 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	8,374.6	10,234.3	8,572.1	35.1	35.4	119.83	-1,420.1	-382.3	391.0	329.2	61.88	6.320		
10,100.0	8,374.4	10,284.3	8,572.0	35.9	36.2	119.83	-1,470.1	-383.0	391.1	327.7	63.33	6.176		
10,150.0	8,374.3	10,334.3	8,571.9	36.8	37.0	119.84	-1,520.1	-383.8	391.1	326.3	64.80	6.036		
10,200.0	8,374.2	10,384.3	8,571.8	37.6	37.8	119.85	-1,570.1	-384.5	391.1	324.9	66.27	5.902		
10,250.0	8,374.0	10,434.3	8,571.7	38.4	38.6	119.85	-1,620.1	-385.2	391.2	323.4	67.76	5.773		
10,300.0	8,373.9	10,484.3	8,571.7	39.3	39.5	119.86	-1,670.1	-386.0	391.2	321.9	69.26	5.648		
10,350.0	8,373.7	10,534.3	8,571.6	40.1	40.3	119.87	-1,720.1	-386.7	391.2	320.5	70.77	5.528		
10,400.0	8,373.6	10,584.3	8,571.5	41.0	41.1	119.88	-1,770.1	-387.5	391.3	319.0	72.28	5.413		
10,450.0	8,373.5	10,634.3	8,571.4	41.8	42.0	119.88	-1,820.1	-388.2	391.3	317.5	73.81	5.301		
10,500.0	8,373.3	10,684.3	8,571.3	42.7	42.8	119.89	-1,870.1	-389.0	391.3	316.0	75.34	5.194		
10,550.0	8,373.2	10,734.3	8,571.3	43.6	43.7	119.90	-1,920.1	-389.7	391.3	314.5	76.88	5.090		
10,600.0	8,373.0	10,784.3	8,571.2	44.4	44.6	119.91	-1,970.1	-390.5	391.4	312.9	78.43	4.990		
10,650.0	8,372.9	10,834.3	8,571.1	45.3	45.4	119.91	-2,020.1	-391.2	391.4	311.4	79.98	4.894		
10,700.0	8,372.8	10,884.3	8,571.0	46.2	46.3	119.92	-2,070.1	-391.9	391.4	309.9	81.54	4.801		
10,750.0	8,372.6	10,934.3	8,570.9	47.1	47.2	119.93	-2,120.1	-392.7	391.5	308.4	83.11	4.711		
10,800.0	8,372.5	10,984.3	8,570.8	48.0	48.1	119.94	-2,170.1	-393.4	391.5	306.8	84.67	4.624		
10,850.0	8,372.3	11,034.3	8,570.8	48.8	48.9	119.94	-2,220.0	-394.2	391.5	305.3	86.25	4.539		
10,900.0	8,372.2	11,084.3	8,570.7	49.7	49.8	119.95	-2,270.0	-394.9	391.6	303.7	87.83	4.458		
10,950.0	8,372.1	11,134.3	8,570.6	50.6	50.7	119.96	-2,320.0	-395.7	391.6	302.2	89.41	4.380		
11,000.0	8,371.9	11,184.3	8,570.5	51.5	51.6	119.97	-2,370.0	-396.4	391.6	300.6	91.00	4.304		
11,050.0	8,371.8	11,234.3	8,570.4	52.4	52.5	119.97	-2,420.0	-397.2	391.6	299.1	92.59	4.230		
11,100.0	8,371.6	11,284.3	8,570.4	53.3	53.4	119.98	-2,470.0	-397.9	391.7	297.5	94.19	4.159		
11,150.0	8,371.5	11,334.3	8,570.3	54.2	54.3	119.99	-2,520.0	-398.6	391.7	295.9	95.79	4.089		
11,200.0	8,371.4	11,384.3	8,570.2	55.1	55.2	120.00	-2,570.0	-399.4	391.7	294.4	97.39	4.022		
11,250.0	8,371.2	11,434.3	8,570.1	56.0	56.1	120.00	-2,620.0	-400.1	391.8	292.8	99.00	3.957		
11,300.0	8,371.1	11,484.3	8,570.0	56.9	57.0	120.01	-2,670.0	-400.9	391.8	291.2	100.60	3.894		
11,350.0	8,370.9	11,534.3	8,570.0	57.9	57.9	120.02	-2,720.0	-401.6	391.8	289.6	102.22	3.833		
11,400.0	8,370.8	11,584.3	8,569.9	58.8	58.8	120.03	-2,770.0	-402.4	391.9	288.0	103.83	3.774		
11,450.0	8,370.7	11,634.3	8,569.8	59.7	59.7	120.03	-2,820.0	-403.1	391.9	286.4	105.45	3.716		
11,500.0	8,370.5	11,684.3	8,569.7	60.6	60.6	120.04	-2,870.0	-403.8	391.9	284.9	107.07	3.661		
11,550.0	8,370.4	11,734.3	8,569.6	61.5	61.5	120.05	-2,920.0	-404.6	392.0	283.3	108.69	3.606		
11,600.0	8,370.2	11,784.3	8,569.6	62.4	62.5	120.06	-2,970.0	-405.3	392.0	281.7	110.31	3.553		
11,650.0	8,370.1	11,834.3	8,569.5	63.4	63.4	120.06	-3,020.0	-406.1	392.0	280.1	111.94	3.502		
11,700.0	8,370.0	11,884.3	8,569.4	64.3	64.3	120.07	-3,070.0	-406.8	392.0	278.5	113.57	3.452		
11,750.0	8,369.8	11,934.3	8,569.3	65.2	65.2	120.08	-3,119.9	-407.6	392.1	276.9	115.20	3.403		
11,800.0	8,369.7	11,984.3	8,569.2	66.1	66.1	120.09	-3,169.9	-408.3	392.1	275.3	116.83	3.356		
11,850.0	8,369.5	12,034.3	8,569.2	67.0	67.0	120.09	-3,219.9	-409.1	392.1	273.7	118.47	3.310		
11,900.0	8,369.4	12,084.3	8,569.1	68.0	68.0	120.10	-3,269.9	-409.8	392.2	272.1	120.10	3.265		
11,950.0	8,369.3	12,134.3	8,569.0	68.9	68.9	120.11	-3,319.9	-410.5	392.2	270.5	121.74	3.222		
12,000.0	8,369.1	12,184.3	8,568.9	69.8	69.8	120.11	-3,369.9	-411.3	392.2	268.9	123.38	3.179		
12,050.0	8,369.0	12,234.3	8,568.8	70.8	70.7	120.12	-3,419.9	-412.0	392.3	267.2	125.02	3.138		
12,100.0	8,368.8	12,284.3	8,568.7	71.7	71.7	120.13	-3,469.9	-412.8	392.3	265.6	126.66	3.097		
12,150.0	8,368.7	12,334.3	8,568.7	72.6	72.6	120.14	-3,519.9	-413.5	392.3	264.0	128.30	3.058		
12,200.0	8,368.6	12,384.3	8,568.6	73.5	73.5	120.14	-3,569.9	-414.3	392.4	262.4	129.95	3.019		
12,250.0	8,368.4	12,434.3	8,568.5	74.5	74.5	120.15	-3,619.9	-415.0	392.4	260.8	131.59	2.982		
12,300.0	8,368.3	12,484.3	8,568.4	75.4	75.4	120.16	-3,669.9	-415.8	392.4	259.2	133.24	2.945		
12,350.0	8,368.1	12,534.3	8,568.3	76.3	76.3	120.17	-3,719.9	-416.5	392.4	257.6	134.89	2.909		
12,400.0	8,368.0	12,584.3	8,568.3	77.3	77.2	120.17	-3,769.9	-417.2	392.5	255.9	136.54	2.875		
12,450.0	8,367.9	12,634.3	8,568.2	78.2	78.2	120.18	-3,819.9	-418.0	392.5	254.3	138.19	2.840		
12,500.0	8,367.7	12,684.3	8,568.1	79.1	79.1	120.19	-3,869.9	-418.7	392.5	252.7	139.84	2.807		
12,550.0	8,367.6	12,734.3	8,568.0	80.1	80.0	120.20	-3,919.9	-419.5	392.6	251.1	141.49	2.775		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - 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	8,367.4	12,784.3	8,567.9	81.0	81.0	120.20	-3,969.9	-420.2	392.6	249.5	143.14	2.743		
12,650.0	8,367.3	12,834.3	8,567.9	82.0	81.9	120.21	-4,019.8	-421.0	392.6	247.8	144.79	2.712		
12,700.0	8,367.2	12,884.3	8,567.8	82.9	82.9	120.22	-4,069.8	-421.7	392.7	246.2	146.45	2.681		
12,750.0	8,367.0	12,934.3	8,567.7	83.8	83.8	120.23	-4,119.8	-422.5	392.7	244.6	148.10	2.651		
12,800.0	8,366.9	12,984.3	8,567.6	84.8	84.7	120.23	-4,169.8	-423.2	392.7	243.0	149.76	2.622		
12,850.0	8,366.7	13,034.3	8,567.5	85.7	85.7	120.24	-4,219.8	-423.9	392.7	241.3	151.42	2.594		
12,900.0	8,366.6	13,084.3	8,567.5	86.7	86.6	120.25	-4,269.8	-424.7	392.8	239.7	153.07	2.566		
12,950.0	8,366.5	13,134.3	8,567.4	87.6	87.5	120.26	-4,319.8	-425.4	392.8	238.1	154.73	2.539		
13,000.0	8,366.3	13,184.3	8,567.3	88.5	88.5	120.26	-4,369.8	-426.2	392.8	236.4	156.39	2.512		
13,050.0	8,366.2	13,234.3	8,567.2	89.5	89.4	120.27	-4,419.8	-426.9	392.9	234.8	158.05	2.486		
13,100.0	8,366.0	13,284.3	8,567.1	90.4	90.4	120.28	-4,469.8	-427.7	392.9	233.2	159.71	2.460		
13,150.0	8,365.9	13,334.3	8,567.1	91.4	91.3	120.28	-4,519.8	-428.4	392.9	231.6	161.37	2.435		
13,200.0	8,365.8	13,384.3	8,567.0	92.3	92.2	120.29	-4,569.8	-429.2	393.0	229.9	163.03	2.410		
13,250.0	8,365.6	13,434.3	8,566.9	93.3	93.2	120.30	-4,619.8	-429.9	393.0	228.3	164.69	2.386		
13,300.0	8,365.5	13,484.3	8,566.8	94.2	94.1	120.31	-4,669.8	-430.6	393.0	226.7	166.35	2.363		
13,350.0	8,365.3	13,534.3	8,566.7	95.1	95.1	120.31	-4,719.8	-431.4	393.1	225.0	168.02	2.339		
13,400.0	8,365.2	13,584.3	8,566.6	96.1	96.0	120.32	-4,769.8	-432.1	393.1	223.4	169.68	2.317		
13,450.0	8,365.1	13,634.3	8,566.6	97.0	97.0	120.33	-4,819.8	-432.9	393.1	221.8	171.34	2.294		
13,500.0	8,364.9	13,684.3	8,566.5	98.0	97.9	120.34	-4,869.7	-433.6	393.1	220.1	173.01	2.272		
13,550.0	8,364.8	13,734.3	8,566.4	98.9	98.8	120.34	-4,919.7	-434.4	393.2	218.5	174.67	2.251		
13,600.0	8,364.6	13,784.3	8,566.3	99.9	99.8	120.35	-4,969.7	-435.1	393.2	216.9	176.34	2.230		
13,650.0	8,364.5	13,834.3	8,566.2	100.8	100.7	120.36	-5,019.7	-435.9	393.2	215.2	178.00	2.209		
13,700.0	8,364.4	13,884.3	8,566.2	101.8	101.7	120.37	-5,069.7	-436.6	393.3	213.6	179.67	2.189		
13,750.0	8,364.2	13,934.3	8,566.1	102.7	102.6	120.37	-5,119.7	-437.3	393.3	212.0	181.33	2.169		
13,800.0	8,364.1	13,984.3	8,566.0	103.7	103.6	120.38	-5,169.7	-438.1	393.3	210.3	183.00	2.149		
13,850.0	8,363.9	14,034.3	8,565.9	104.6	104.5	120.39	-5,219.7	-438.8	393.4	208.7	184.66	2.130		
13,900.0	8,363.8	14,084.3	8,565.8	105.6	105.5	120.40	-5,269.7	-439.6	393.4	207.1	186.33	2.111		
13,950.0	8,363.7	14,134.3	8,565.8	106.5	106.4	120.40	-5,319.7	-440.3	393.4	205.4	188.00	2.093		
14,000.0	8,363.5	14,184.3	8,565.7	107.5	107.4	120.41	-5,369.7	-441.1	393.5	203.8	189.66	2.075		
14,050.0	8,363.4	14,234.3	8,565.6	108.4	108.3	120.42	-5,419.7	-441.8	393.5	202.2	191.33	2.057		
14,100.0	8,363.2	14,284.3	8,565.5	109.4	109.2	120.42	-5,469.7	-442.6	393.5	200.5	193.00	2.039		
14,150.0	8,363.1	14,334.3	8,565.4	110.3	110.2	120.43	-5,519.7	-443.3	393.5	198.9	194.66	2.022		
14,200.0	8,363.0	14,384.3	8,565.4	111.3	111.1	120.44	-5,569.7	-444.0	393.6	197.2	196.33	2.005		
14,250.0	8,362.8	14,434.3	8,565.3	112.2	112.1	120.45	-5,619.7	-444.8	393.6	195.6	198.00	1.988		
14,300.0	8,362.7	14,484.3	8,565.2	113.2	113.0	120.45	-5,669.7	-445.5	393.6	194.0	199.67	1.971		
14,350.0	8,362.5	14,534.3	8,565.1	114.1	114.0	120.46	-5,719.7	-446.3	393.7	192.3	201.34	1.955		
14,400.0	8,362.4	14,584.3	8,565.0	115.1	114.9	120.47	-5,769.6	-447.0	393.7	190.7	203.01	1.939		
14,450.0	8,362.3	14,634.3	8,564.9	116.0	115.9	120.48	-5,819.6	-447.8	393.7	189.1	204.67	1.924		
14,500.0	8,362.1	14,684.3	8,564.9	117.0	116.8	120.48	-5,869.6	-448.5	393.8	187.4	206.34	1.908		
14,550.0	8,362.0	14,734.3	8,564.8	117.9	117.8	120.49	-5,919.6	-449.3	393.8	185.8	208.01	1.893		
14,600.0	8,361.8	14,784.3	8,564.7	118.9	118.7	120.50	-5,969.6	-450.0	393.8	184.1	209.68	1.878		
14,650.0	8,361.7	14,834.3	8,564.6	119.8	119.7	120.51	-6,019.6	-450.7	393.9	182.5	211.35	1.864		
14,700.0	8,361.6	14,884.3	8,564.5	120.8	120.6	120.51	-6,069.6	-451.5	393.9	180.9	213.02	1.849		
14,750.0	8,361.4	14,934.3	8,564.5	121.7	121.6	120.52	-6,119.6	-452.2	393.9	179.2	214.69	1.835		
14,800.0	8,361.3	14,984.3	8,564.4	122.7	122.5	120.53	-6,169.6	-453.0	393.9	177.6	216.36	1.821		
14,850.0	8,361.1	15,034.3	8,564.3	123.6	123.5	120.54	-6,219.6	-453.7	394.0	176.0	218.03	1.807		
14,900.0	8,361.0	15,084.3	8,564.2	124.6	124.4	120.54	-6,269.6	-454.5	394.0	174.3	219.70	1.793		
14,950.0	8,360.9	15,134.3	8,564.1	125.5	125.4	120.55	-6,319.6	-455.2	394.0	172.7	221.37	1.780		
15,000.0	8,360.7	15,184.3	8,564.1	126.5	126.4	120.56	-6,369.6	-455.9	394.1	171.0	223.04	1.767		
15,050.0	8,360.6	15,234.3	8,564.0	127.4	127.3	120.56	-6,419.6	-456.7	394.1	169.4	224.71	1.754		
15,100.0	8,360.4	15,284.3	8,563.9	128.4	128.3	120.57	-6,469.6	-457.4	394.1	167.8	226.38	1.741		

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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 502-2326H - 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	8,360.3	15,334.3	8,563.8	129.3	129.2	120.58	-6,519.6	-458.2	394.2	166.1	228.05	1.728		
15,200.0	8,360.2	15,384.3	8,563.7	130.3	130.2	120.59	-6,569.6	-458.9	394.2	164.5	229.72	1.716		
15,250.0	8,360.0	15,434.3	8,563.7	131.2	131.1	120.59	-6,619.6	-459.7	394.2	162.8	231.39	1.704		
15,300.0	8,359.9	15,484.3	8,563.6	132.2	132.1	120.60	-6,669.5	-460.4	394.3	161.2	233.06	1.692		
15,350.0	8,359.7	15,534.3	8,563.5	133.2	133.0	120.61	-6,719.5	-461.2	394.3	159.6	234.73	1.680		
15,400.0	8,359.6	15,584.3	8,563.4	134.1	134.0	120.62	-6,769.5	-461.9	394.3	157.9	236.40	1.668		
15,450.0	8,359.5	15,634.3	8,563.3	135.1	134.9	120.62	-6,819.5	-462.6	394.4	156.3	238.07	1.656		
15,500.0	8,359.3	15,684.3	8,563.3	136.0	135.9	120.63	-6,869.5	-463.4	394.4	154.6	239.74	1.645		
15,550.0	8,359.2	15,734.3	8,563.2	137.0	136.8	120.64	-6,919.5	-464.1	394.4	153.0	241.41	1.634		
15,600.0	8,359.0	15,784.3	8,563.1	137.9	137.8	120.65	-6,969.5	-464.9	394.4	151.4	243.08	1.623		
15,650.0	8,358.9	15,834.3	8,563.0	138.9	138.7	120.65	-7,019.5	-465.6	394.5	149.7	244.75	1.612		
15,700.0	8,358.8	15,884.3	8,562.9	139.8	139.7	120.66	-7,069.5	-466.4	394.5	148.1	246.42	1.601		
15,750.0	8,358.6	15,934.3	8,562.8	140.8	140.6	120.67	-7,119.5	-467.1	394.5	146.4	248.09	1.590		
15,800.0	8,358.5	15,984.3	8,562.8	141.7	141.6	120.67	-7,169.5	-467.9	394.6	144.8	249.76	1.580		
15,850.0	8,358.3	16,034.3	8,562.7	142.7	142.6	120.68	-7,219.5	-468.6	394.6	143.2	251.43	1.569		
15,900.0	8,358.2	16,084.3	8,562.6	143.7	143.5	120.69	-7,269.5	-469.3	394.6	141.5	253.10	1.559		
15,950.0	8,358.1	16,134.3	8,562.5	144.6	144.5	120.70	-7,319.5	-470.1	394.7	139.9	254.78	1.549		
16,000.0	8,357.9	16,184.3	8,562.4	145.6	145.4	120.70	-7,369.5	-470.8	394.7	138.2	256.45	1.539		
16,050.0	8,357.8	16,234.3	8,562.4	146.5	146.4	120.71	-7,419.5	-471.6	394.7	136.6	258.12	1.529		
16,100.0	8,357.6	16,284.3	8,562.3	147.5	147.3	120.72	-7,469.5	-472.3	394.8	135.0	259.79	1.520		
16,150.0	8,357.5	16,334.3	8,562.2	148.4	148.3	120.73	-7,519.5	-473.1	394.8	133.3	261.46	1.510		
16,200.0	8,357.4	16,384.3	8,562.1	149.4	149.2	120.73	-7,569.4	-473.8	394.8	131.7	263.13	1.500		
16,250.0	8,357.2	16,434.3	8,562.0	150.3	150.2	120.74	-7,619.4	-474.6	394.8	130.1	264.80	1.491 Level 3		
16,300.0	8,357.1	16,484.3	8,562.0	151.3	151.2	120.75	-7,669.4	-475.3	394.9	128.4	266.47	1.482 Level 3		
16,350.0	8,356.9	16,534.3	8,561.9	152.3	152.1	120.75	-7,719.4	-476.0	394.9	126.8	268.14	1.473 Level 3		
16,400.0	8,356.8	16,584.3	8,561.8	153.2	153.1	120.76	-7,769.4	-476.8	394.9	125.1	269.81	1.464 Level 3		
16,450.0	8,356.7	16,634.3	8,561.7	154.2	154.0	120.77	-7,819.4	-477.5	395.0	123.5	271.48	1.455 Level 3		
16,500.0	8,356.5	16,684.3	8,561.6	155.1	155.0	120.78	-7,869.4	-478.3	395.0	121.9	273.15	1.446 Level 3		
16,550.0	8,356.4	16,734.3	8,561.6	156.1	155.9	120.78	-7,919.4	-479.0	395.0	120.2	274.82	1.437 Level 3		
16,600.0	8,356.2	16,784.3	8,561.5	157.0	156.9	120.79	-7,969.4	-479.8	395.1	118.6	276.49	1.429 Level 3		
16,650.0	8,356.1	16,834.3	8,561.4	158.0	157.8	120.80	-8,019.4	-480.5	395.1	116.9	278.16	1.420 Level 3		
16,700.0	8,356.0	16,884.3	8,561.3	159.0	158.8	120.81	-8,069.4	-481.3	395.1	115.3	279.83	1.412 Level 3		
16,750.0	8,355.8	16,934.3	8,561.2	159.9	159.8	120.81	-8,119.4	-482.0	395.2	113.7	281.50	1.404 Level 3		
16,800.0	8,355.7	16,984.3	8,561.2	160.9	160.7	120.82	-8,169.4	-482.7	395.2	112.0	283.17	1.396 Level 3		
16,850.0	8,355.5	17,034.3	8,561.1	161.8	161.7	120.83	-8,219.4	-483.5	395.2	110.4	284.83	1.388 Level 3		
16,900.0	8,355.4	17,084.3	8,561.0	162.8	162.6	120.84	-8,269.4	-484.2	395.3	108.7	286.50	1.380 Level 3		
16,950.0	8,355.3	17,134.3	8,560.9	163.7	163.6	120.84	-8,319.4	-485.0	395.3	107.1	288.17	1.372 Level 3		
17,000.0	8,355.1	17,184.3	8,560.8	164.7	164.5	120.85	-8,369.4	-485.7	395.3	105.5	289.84	1.364 Level 3		
17,050.0	8,355.0	17,234.3	8,560.7	165.7	165.5	120.86	-8,419.3	-486.5	395.3	103.8	291.51	1.356 Level 3		
17,100.0	8,354.8	17,284.3	8,560.7	166.6	166.5	120.86	-8,469.3	-487.2	395.4	102.2	293.18	1.349 Level 3		
17,150.0	8,354.7	17,334.3	8,560.6	167.6	167.4	120.87	-8,519.3	-488.0	395.4	100.6	294.85	1.341 Level 3		
17,200.0	8,354.6	17,384.3	8,560.5	168.5	168.4	120.88	-8,569.3	-488.7	395.4	98.9	296.52	1.334 Level 3		
17,250.0	8,354.4	17,434.3	8,560.4	169.5	169.3	120.89	-8,619.3	-489.4	395.5	97.3	298.19	1.326 Level 3		
17,300.0	8,354.3	17,484.3	8,560.3	170.4	170.3	120.89	-8,669.3	-490.2	395.5	95.6	299.86	1.319 Level 3		
17,350.0	8,354.1	17,534.3	8,560.3	171.4	171.2	120.90	-8,719.3	-490.9	395.5	94.0	301.53	1.312 Level 3		
17,400.0	8,354.0	17,584.3	8,560.2	172.4	172.2	120.91	-8,769.3	-491.7	395.6	92.4	303.19	1.305 Level 3		
17,450.0	8,353.9	17,634.3	8,560.1	173.3	173.2	120.92	-8,819.3	-492.4	395.6	90.7	304.86	1.298 Level 3		
17,500.0	8,353.7	17,684.3	8,560.0	174.3	174.1	120.92	-8,869.3	-493.2	395.6	89.1	306.53	1.291 Level 3		
17,550.0	8,353.6	17,734.3	8,559.9	175.2	175.1	120.93	-8,919.3	-493.9	395.7	87.5	308.20	1.284 Level 3		
17,600.0	8,353.4	17,784.3	8,559.9	176.2	176.0	120.94	-8,969.3	-494.7	395.7	85.8	309.87	1.277 Level 3		
17,650.0	8,353.3	17,834.3	8,559.8	177.2	177.0	120.94	-9,019.3	-495.4	395.7	84.2	311.53	1.270 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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	8,353.2	17,884.3	8,559.7	178.1	177.9	120.95	-9,069.3	-496.1	395.8	82.6	313.20	1.264	Level 3	
17,750.0	8,353.0	17,934.3	8,559.6	179.1	178.9	120.96	-9,119.3	-496.9	395.8	80.9	314.87	1.257	Level 3	
17,800.0	8,352.9	17,984.3	8,559.5	180.0	179.9	120.97	-9,169.3	-497.6	395.8	79.3	316.54	1.250	Level 3	
17,850.0	8,352.7	18,034.3	8,559.5	181.0	180.8	120.97	-9,219.3	-498.4	395.8	77.6	318.21	1.244	Level 2	
17,900.0	8,352.6	18,084.3	8,559.4	181.9	181.8	120.98	-9,269.3	-499.1	395.9	76.0	319.87	1.238	Level 2	
17,950.0	8,352.5	18,134.3	8,559.3	182.9	182.7	120.99	-9,319.2	-499.9	395.9	74.4	321.54	1.231	Level 2	
18,000.0	8,352.3	18,184.3	8,559.2	183.9	183.7	121.00	-9,369.2	-500.6	395.9	72.7	323.21	1.225	Level 2	
18,050.0	8,352.2	18,234.3	8,559.1	184.8	184.6	121.00	-9,419.2	-501.4	396.0	71.1	324.87	1.219	Level 2	
18,100.0	8,352.0	18,284.3	8,559.1	185.8	185.6	121.01	-9,469.2	-502.1	396.0	69.5	326.54	1.213	Level 2	
18,113.7	8,352.0	18,298.0	8,559.0	186.0	185.9	121.01	-9,482.9	-502.3	396.0	69.0	327.00	1.211	Level 2, SF	

<b>Company:</b>	Clear Creek Resource Partners	<b>Local Co-ordinate Reference:</b>	Well True Ranch Fee 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.0	0.0	7.0	7.0	0.0	0.0	-92.29	-3.6	-91.1	91.2	91.2	0.01	N/A				
50.0	50.0	57.0	57.0	0.1	0.1	-92.29	-3.6	-91.1	91.2	91.0	0.12	757.595				
100.0	100.0	107.0	107.0	0.1	0.1	-92.29	-3.6	-91.1	91.2	90.9	0.24	379.069				
150.0	150.0	157.0	157.0	0.2	0.2	-92.29	-3.6	-91.1	91.2	90.7	0.47	195.944				
200.0	200.0	207.0	207.0	0.3	0.4	-92.29	-3.6	-91.1	91.2	90.5	0.69	132.118				
250.0	250.0	257.0	257.0	0.4	0.5	-92.29	-3.6	-91.1	91.2	90.3	0.91	99.657				
300.0	300.0	307.0	307.0	0.6	0.6	-92.29	-3.6	-91.1	91.2	90.0	1.14	80.001				
350.0	350.0	357.0	357.0	0.7	0.7	-92.29	-3.6	-91.1	91.2	89.8	1.36	66.821				
400.0	400.0	407.0	407.0	0.8	0.8	-92.29	-3.6	-91.1	91.2	89.6	1.59	57.370				
450.0	450.0	457.0	457.0	0.9	0.9	-92.29	-3.6	-91.1	91.2	89.4	1.81	50.261				
500.0	500.0	507.0	507.0	1.0	1.0	-92.29	-3.6	-91.1	91.2	89.1	2.04	44.719				
550.0	550.0	557.0	557.0	1.1	1.1	-92.29	-3.6	-91.1	91.2	88.9	2.26	40.278				
580.6	580.6	587.6	587.6	1.2	1.2	-92.29	-3.6	-91.1	91.2	88.8	2.40	37.969 CC				
600.0	600.0	606.9	606.9	1.2	1.3	-92.29	-3.6	-91.1	91.2	88.7	2.49	36.654 ES				
650.0	650.0	655.8	655.8	1.3	1.4	-92.17	-3.5	-91.5	91.5	88.8	2.71	33.822				
700.0	700.0	704.8	704.8	1.5	1.5	-91.86	-3.0	-92.4	92.5	89.5	2.92	31.609				
750.0	750.0	753.7	753.7	1.6	1.6	-91.38	-2.3	-93.9	93.9	90.8	3.14	29.895				
800.0	800.0	802.6	802.5	1.7	1.7	-90.75	-1.3	-95.9	96.0	92.7	3.36	28.574				
850.0	850.0	851.4	851.2	1.8	1.8	-89.98	0.0	-98.5	98.7	95.1	3.58	27.560				
900.0	900.0	900.0	899.7	1.9	1.9	-89.10	1.6	-101.6	101.9	98.1	3.80	26.823				
950.0	950.0	948.7	948.2	2.0	2.0	-88.13	3.4	-105.3	105.8	101.7	4.02	26.297				
1,000.0	1,000.0	997.2	996.5	2.1	2.1	-87.10	5.5	-109.6	110.2	106.0	4.24	25.975				
1,050.0	1,050.0	1,045.6	1,044.6	2.2	2.3	-86.04	7.9	-114.3	115.3	110.8	4.47	25.809				
1,100.0	1,100.0	1,093.8	1,092.5	2.4	2.4	-84.96	10.6	-119.6	121.0	116.3	4.69	25.796 SF				
1,150.0	1,150.0	1,141.9	1,140.1	2.5	2.5	-83.88	13.4	-125.5	127.3	122.4	4.92	25.900				
1,200.0	1,200.0	1,189.8	1,187.5	2.6	2.7	-82.82	16.6	-131.8	134.3	129.1	5.14	26.121				
1,250.0	1,250.0	1,237.5	1,234.6	2.7	2.8	-81.79	20.0	-138.6	141.8	136.5	5.37	26.431				
1,300.0	1,300.0	1,285.1	1,281.4	2.8	3.0	-80.80	23.6	-146.0	150.1	144.5	5.59	26.833				
1,350.0	1,350.0	1,332.4	1,327.9	2.9	3.1	-79.85	27.5	-153.8	158.9	153.1	5.82	27.304				
1,400.0	1,400.0	1,379.5	1,374.1	3.0	3.3	-78.95	31.6	-162.1	168.4	162.3	6.05	27.844				
1,450.0	1,450.0	1,426.3	1,419.9	3.1	3.5	-78.10	36.0	-170.8	178.5	172.2	6.28	28.438				
1,500.0	1,500.0	1,473.9	1,466.3	3.3	3.7	-77.28	40.7	-180.2	189.1	182.6	6.51	29.067				
1,550.0	1,550.0	1,522.6	1,513.8	3.4	3.9	-76.53	45.5	-189.8	199.9	193.2	6.74	29.666				
1,600.0	1,600.0	1,571.4	1,561.4	3.5	4.1	-75.86	50.3	-199.5	210.7	203.7	6.97	30.233				
1,650.0	1,650.0	1,620.2	1,608.9	3.6	4.3	-75.25	55.1	-209.1	221.5	214.3	7.20	30.767				
1,700.0	1,700.0	1,668.9	1,656.5	3.7	4.5	-74.70	59.9	-218.8	232.4	225.0	7.43	31.265				
1,750.0	1,750.0	1,717.7	1,704.0	3.8	4.7	-74.19	64.7	-228.5	243.3	235.6	7.67	31.736				
1,800.0	1,800.0	1,766.4	1,751.6	3.9	4.9	-73.73	69.5	-238.1	254.2	246.3	7.90	32.176				
1,850.0	1,850.0	1,815.2	1,799.1	4.0	5.2	-73.31	74.3	-247.8	265.1	256.9	8.13	32.594				
1,900.0	1,900.0	1,864.0	1,846.7	4.2	5.4	-72.92	79.1	-257.4	276.0	267.6	8.37	32.985				
1,950.0	1,950.0	1,912.7	1,894.3	4.3	5.6	-72.56	83.9	-267.1	286.9	278.3	8.60	33.357				
2,000.0	2,000.0	1,961.5	1,941.8	4.4	5.8	-72.23	88.7	-276.8	297.9	289.0	8.84	33.706				
2,050.0	2,050.0	2,010.3	1,989.4	4.5	6.0	-70.27	93.5	-286.4	308.7	299.6	9.08	33.994				
2,100.0	2,100.0	2,059.1	2,037.0	4.6	6.3	-70.00	98.3	-296.1	319.3	310.0	9.32	34.267				
2,150.0	2,150.0	2,108.0	2,084.7	4.7	6.5	-69.85	103.1	-305.8	329.7	320.2	9.56	34.502				
2,200.0	2,199.9	2,157.0	2,132.5	4.8	6.7	-69.80	108.0	-315.5	339.9	330.1	9.80	34.698				
2,250.0	2,249.8	2,206.0	2,180.2	4.9	7.0	-69.86	112.8	-325.2	349.9	339.9	10.04	34.858				
2,300.0	2,299.7	2,255.0	2,228.0	5.1	7.2	-70.00	117.6	-334.9	359.7	349.4	10.28	34.983				
2,350.0	2,349.5	2,304.0	2,275.8	5.2	7.4	-70.24	122.5	-344.6	369.2	358.7	10.53	35.075				
2,400.0	2,399.3	2,353.0	2,323.6	5.3	7.6	-70.55	127.3	-354.3	378.6	367.8	10.77	35.137				
2,450.0	2,449.0	2,402.1	2,371.5	5.4	7.9	-70.93	132.1	-364.1	387.7	376.7	11.03	35.165				

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 202-2326H
<b>Project:</b>	SEC.23-T15N-R65W	<b>TVD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Reference Site:</b>	True Ranch Fee 2326H East Pad Sec.23-T15N-R65W	<b>MD Reference:</b>	WELL @ 5874.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	True Ranch Fee 202-2326H	<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	2,498.6	2,451.1	2,419.3	5.5	8.1	-71.38	137.0	-373.8	396.7	385.4	11.28	35.169		
2,550.0	2,548.1	2,500.1	2,467.1	5.6	8.3	-71.90	141.8	-383.5	405.5	394.0	11.54	35.140		
2,600.0	2,597.6	2,549.1	2,514.8	5.8	8.6	-72.55	146.6	-393.2	414.3	402.5	11.81	35.091		
2,650.0	2,647.0	2,598.1	2,562.6	5.9	8.8	-73.20	151.4	-402.9	423.1	411.0	12.08	35.034		
2,700.0	2,696.5	2,647.1	2,610.4	6.0	9.0	-73.83	156.3	-412.6	431.9	419.6	12.35	34.978		
2,750.0	2,746.0	2,696.1	2,658.2	6.2	9.3	-74.43	161.1	-422.3	440.8	428.2	12.63	34.913		
2,800.0	2,795.4	2,745.1	2,706.0	6.3	9.5	-75.00	165.9	-432.0	449.7	436.8	12.91	34.850		
2,850.0	2,844.9	2,794.1	2,753.8	6.4	9.7	-75.56	170.8	-441.7	458.7	445.5	13.19	34.780		
2,900.0	2,894.3	2,843.1	2,801.5	6.6	10.0	-76.09	175.6	-451.4	467.7	454.3	13.47	34.712		
2,950.0	2,943.8	2,892.1	2,849.3	6.7	10.2	-76.60	180.4	-461.2	476.8	463.0	13.77	34.638		
3,000.0	2,993.3	2,941.1	2,897.1	6.8	10.4	-77.09	185.2	-470.9	485.9	471.8	14.06	34.567		
3,050.0	3,042.7	2,990.1	2,944.9	7.0	10.7	-77.57	190.1	-480.6	495.0	480.7	14.35	34.491		
3,100.0	3,092.2	3,039.1	2,992.7	7.1	10.9	-78.03	194.9	-490.3	504.2	489.5	14.65	34.418		
3,150.0	3,141.7	3,088.1	3,040.4	7.3	11.1	-78.47	199.7	-500.0	513.4	498.4	14.95	34.341		
3,200.0	3,191.1	3,137.0	3,088.2	7.4	11.4	-78.89	204.6	-509.7	522.6	507.3	15.25	34.267		
3,250.0	3,240.6	3,186.0	3,136.0	7.6	11.6	-79.31	209.4	-519.4	531.8	516.3	15.56	34.190		
3,300.0	3,290.1	3,235.0	3,183.8	7.7	11.8	-79.70	214.2	-529.1	541.1	525.2	15.86	34.116		
3,350.0	3,339.5	3,284.0	3,231.6	7.9	12.1	-80.09	219.0	-538.8	550.4	534.2	16.17	34.040		
3,400.0	3,389.0	3,333.0	3,279.3	8.0	12.3	-80.46	223.9	-548.5	559.7	543.2	16.48	33.966		
3,450.0	3,438.4	3,382.0	3,327.1	8.2	12.5	-80.82	228.7	-558.2	569.1	552.3	16.79	33.891		
3,500.0	3,487.9	3,431.0	3,374.9	8.3	12.8	-81.17	233.5	-567.9	578.4	561.3	17.10	33.819		
3,550.0	3,537.4	3,480.0	3,422.7	8.5	13.0	-81.50	238.4	-577.7	587.8	570.4	17.42	33.746		
3,600.0	3,586.8	3,529.0	3,470.5	8.6	13.2	-81.83	243.2	-587.4	597.2	579.5	17.73	33.675		
3,650.0	3,636.3	3,578.0	3,518.3	8.8	13.5	-82.14	248.0	-597.1	606.6	588.6	18.05	33.603		
3,700.0	3,685.8	3,627.0	3,566.0	8.9	13.7	-82.45	252.8	-606.8	616.1	597.7	18.37	33.534		
3,750.0	3,735.2	3,676.0	3,613.8	9.1	13.9	-82.75	257.7	-616.5	625.5	606.8	18.69	33.465		
3,800.0	3,784.7	3,725.0	3,661.6	9.3	14.2	-83.04	262.5	-626.2	635.0	616.0	19.01	33.397		
3,850.0	3,834.2	3,774.0	3,709.4	9.4	14.4	-83.32	267.3	-635.9	644.5	625.1	19.34	33.330		
3,900.0	3,883.6	3,823.0	3,757.2	9.6	14.7	-83.59	272.1	-645.6	654.0	634.3	19.66	33.265		
3,950.0	3,933.1	3,872.0	3,804.9	9.7	14.9	-83.85	277.0	-655.3	663.5	643.5	19.98	33.200		
4,000.0	3,982.5	3,921.0	3,852.7	9.9	15.1	-84.11	281.8	-665.0	673.0	652.7	20.31	33.137		
4,050.0	4,032.0	3,970.0	3,900.5	10.1	15.4	-84.36	286.6	-674.7	682.5	661.9	20.64	33.074		
4,100.0	4,081.5	4,019.0	3,948.3	10.2	15.6	-84.60	291.5	-684.4	692.1	671.1	20.96	33.013		
4,150.0	4,130.9	4,068.0	3,996.1	10.4	15.8	-84.84	296.3	-694.1	701.6	680.4	21.29	32.953		
4,200.0	4,180.4	4,117.0	4,043.8	10.5	16.1	-85.07	301.1	-703.9	711.2	689.6	21.62	32.894		
4,250.0	4,229.9	4,166.0	4,091.6	10.7	16.3	-85.29	305.9	-713.6	720.8	698.9	21.95	32.836		
4,300.0	4,279.3	4,215.0	4,139.4	10.9	16.5	-85.51	310.8	-723.3	730.4	708.1	22.28	32.779		
4,350.0	4,328.8	4,264.0	4,187.2	11.0	16.8	-85.72	315.6	-733.0	740.0	717.4	22.61	32.723		
4,400.0	4,378.3	4,312.9	4,235.0	11.2	17.0	-85.93	320.4	-742.7	749.6	726.7	22.95	32.669		
4,450.0	4,427.7	4,361.9	4,282.8	11.4	17.2	-86.13	325.3	-752.4	759.2	736.0	23.28	32.615		
4,500.0	4,477.2	4,410.9	4,330.5	11.5	17.5	-86.33	330.1	-762.1	768.9	745.3	23.61	32.563		
4,550.0	4,526.6	4,459.9	4,378.3	11.7	17.7	-86.52	334.9	-771.8	778.5	754.6	23.95	32.511		
4,600.0	4,576.1	4,508.9	4,426.1	11.9	18.0	-86.70	339.7	-781.5	788.2	763.9	24.28	32.460		
4,650.0	4,625.6	4,557.9	4,473.9	12.0	18.2	-86.89	344.6	-791.2	797.8	773.2	24.62	32.410		

Reference Depths are relative to WELL @ 5874.0ft (Original Well Elev)	Coordinates are relative to: True Ranch Fee 202-2326H
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°





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