

## PNX Gas Detection

Schlumberger Petro Technical Services  
Processed Presentation

**COMPANY:** Crestone Peak Resources Operating LLC  
**WELL:** Ruegge #3M-4H-N165  
**FIELD:** Wattenberg  
**COUNTY:** Weld  
**STATE:** Colorado  
**COUNTRY:** Colorado

API No: 05-123-46567 PTS Job Number:

**Field Location:** SESW Sec 4, T 1N, R 65W  
**709' FSL & 2156' FWL**  
**Section 4 Township 1N Range 65W**

Other Services:

**Location**  
 Field Location: SESW Sec 4, T 1N, R 65W  
 709' FSL & 2156' FWL  
 Section 4 Township 1N Range 65W

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**Permanent Datum:** GL Elev: 4915 ft  
**Log Measured From:** KB 23 ft above Perm. Datum  
**Drilling Measured from:** KB

Elevations:  
 K.B. 4938 ft  
 D.F. 4938 ft  
 G.L. 4915 ft

Date	11-Aug-2018
Run No.	Two
Depth Driller	12261 ft
Depth Logger (Schl)	12261 ft
Btm. Log Interval	7580 ft
Top Log Interval	200 ft
Casing-Driller	5.5 in @ 12261 ft
Casing-Logger	12261 ft
Bit Size	8.5 in
Type Fluid in Hole	WATER
Dens.   Visc.	8.4 lbm/gal   -999.25 s
pH   Fluid loss	-999.25   -999.25 cm3
Source of Sample	Active Tank
Rm @ Meas. Temp.	0.2 ohm.m @ 68 degF
Rmf @ Meas. Temp.	0.15 ohm.m @ 68 degF
Rmc @ Meas. Temp.	-999.25 ohm.m @ 68 degF
Source: Rmf   Rmc	Pressed
Rm @ BHT	0.0748561 @ 193 degF
Circulation Stopped	
Logger on Bottom	11-Aug-2018 14:45:00
Max Rec. Temp.	193 degF
Equipment   Location	9102   Fort Morgan, CO
Recorded by:	Alan Moreno
Witnessed by:	Keith Karshtnik

The well name, location and borehole reference data were furnished by the customer

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Ser. Order # | OP Vers.: Maxwell | Process Date: 8/28/2018 | Center: Denver PTS | Baseline: Techlog 2016 | Log Analyst: Y Faulkner

Remarks:

Preliminary Presentation











