



In accordance with a request from Jay Knutson of Crestone Peak Resources, Washburn Land Surveying, LLC has determined the location of the **Sam 3K-25H-M166** well site to be SHL: 1313' FSL and 310' FWL, (TPZ: 670' FSL and 480' FWL), (BHL: 670' FSL and 460' FEL), as measured at ninety (90) degrees from the section lines of Section 25 Township 1 North, Range 66 West of the 6th Principal Meridian, Weld County Colorado.

Proposed Well Data:

Latitude: (SHL: N 40.018620°) (TPZ: N 40.016856°) (BHL: N 40.016873°)  
Longitude: (SHL: W 104.733855°) (TPZ: W 104.733248°) (BHL: W 104.717784°)  
PDOP: 2.4

Nearest:

Building: 868' southwest  
Building Unit: 1179' southwest  
Public Road: 977' west  
Property Line: 310' west  
Existing Well: Sam 13-25; 1311' northeast

Above Ground Utility: 1278' south  
Railroad: +5280'  
Well Window: SHL is 474' outside  
High Occupancy Building Unit: +5280'

Notes:

- 1) Bearings and distances based on NAD 83 Colorado North State Plane Coordinate, using RTK GPS observations taken 10/27/16 by operator Jason Dahlman.
- 2) Conversion factor to ground (1.0002722148).
- 3) Elevations based on NAVD 88 GPS heights and Geoid 2009 corrections.
- 4) See Location Drawing for visible improvements within 500 feet of Pad Site.
- 5) The surface use is a cultivated field.

**NOTICE:** According to Colorado law you must commence any legal action based upon any defect in this W.L.C. within three years after you first discover such defect. In no event may any action based upon any defect in this W.L.C. be commenced more than ten years from this said date of the certification shown hereon.

### LEGEND

- ⊗ - Existing Well  
 ⊕ - Found Survey Monument  
 (c) - Calculated Dimension  
 ⊙ - Surface Hole Location (SHL)  
 ▲ - Top of Producing Zone (TPZ)  
 ✕ - Bottom Hole Location (BHL)

I hereby certify that this Well Location Certificate was prepared by me or under my direct supervision on 10/27/2016 for and on behalf of Crestone Peak Resources. That it is not a Land Survey Plat or an Improvement Survey Plat and that it is not to be relied upon for establishment of fences, buildings, or other future improvement lines.

John Robert McGehee LS#38219  
Well: Sam 3K-25H-M166 WLC