



(a) Existing Well Data:  
Hicks 4-18  
Latitude: N 40.047007°  
Longitude: W 104.936885°  
FSL: 1115'  
FWL: 1570'  
ELEV: 5101'  
PDOP: 1.9

In accordance with a request from Jay Knutson of Crestone Peak Resources, Washburn Land Surveying, LLC has determined the location of the **Hingley 31-18H-N167** well site to be SHL: 523' FSL and 1439' FWL, (TPZ: 460' FSL and 1945' FWL, BHL: 460' FNL and 1945' FWL), as measured at ninety (90) degrees from the section lines of Section 18, Township 1 North, Range 67 West of the 6th Principal Meridian, Weld County Colorado.

<u>Proposed Surface Hole Data:</u> Latitude: N 40.045387° Longitude: W 104.937359° PDOP: 1.3	<u>Proposed TPZ Data:</u> Latitude: N 40.045196° Longitude: W 104.935553°	<u>Proposed Bottom Hole Data:</u> Latitude: N 40.057250° Longitude: W 104.935506°
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Nearest Cultural Items:  
Building: 908' southeast  
Building Unit: 810' southeast  
Public Road: 509' south  
Property Line: 523' south  
Existing Well: 605' northeast (Hicks 4-18)

Above Ground Utility: 488' south  
Well Window: SHL is 406' Outside  
Railroad: +5280'  
High Occupancy Building Unit: +5280'  
Designated Outside Activity Area: +5280'

- Notes:
- 1) Bearings and distances based on NAD 83 Colorado North State Plane Coordinate. using RTK GPS observations taken 10/31/17 by operator Jason Dahlman
  - 2) Conversion factor to ground (1.0002768105).
  - 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**
- ⊕ - Found Survey Monument
  - ⊙ - Calculated Location
  - ⊙ - Surface Hole Location (SHL)
  - ▲ - Top of Production Zone (TPZ)
  - × - Bottom Hole Location (BHL)

I hereby certify that this Well Location Certificate was prepared by me or under my direct supervision on 1/28/2018 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.

1-28-2018

John Robert McGehee, Surveyor

Well: Hingley 31-18H-N167 WLC