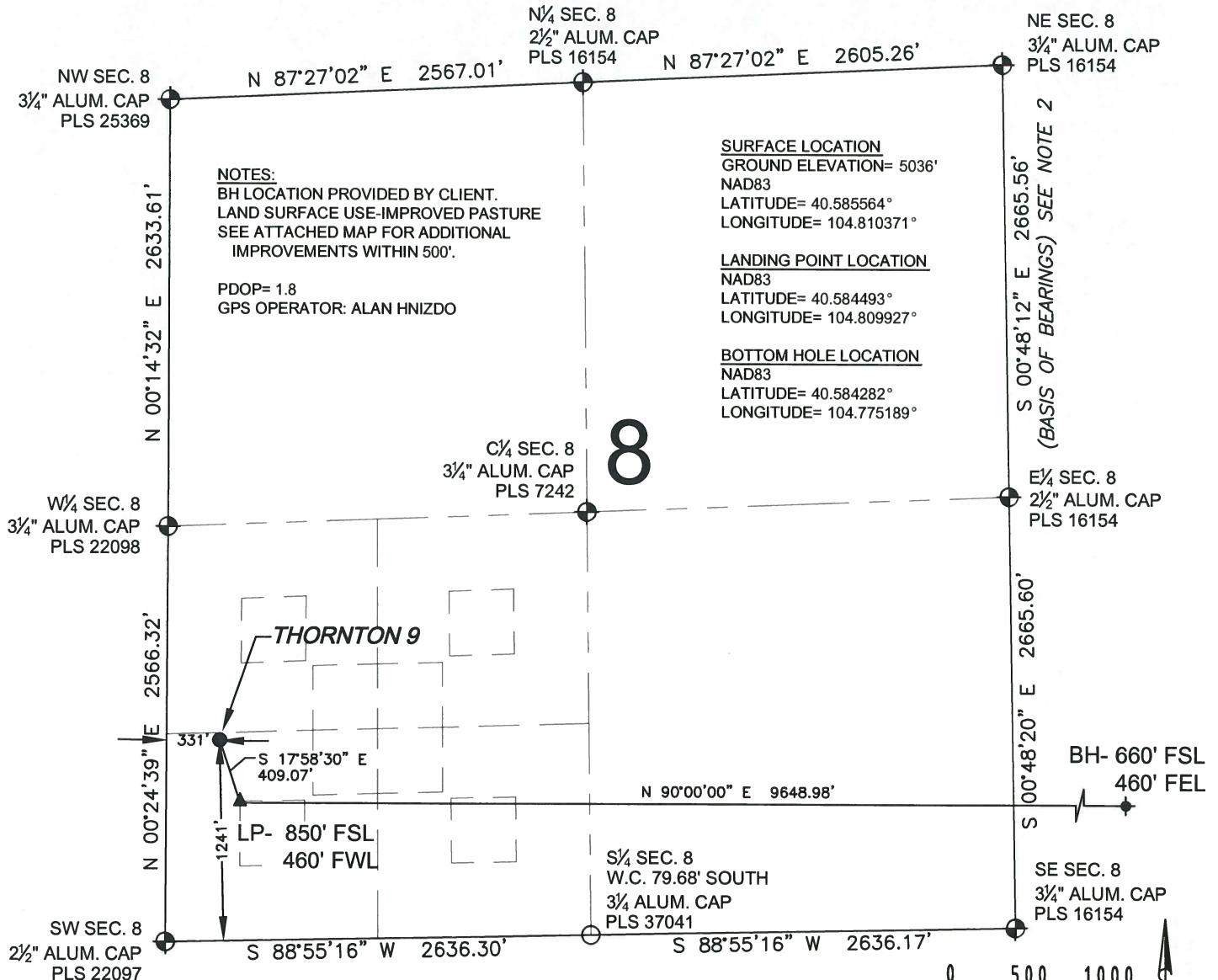


WELL LOCATION CERTIFICATE: THORNTON 9

SECTION 8, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.



WELL THORNTON 9 TO BE LOCATED 1241' FSL AND 331' FWL

LEGEND

- = EXISTING MONUMENT
- ◆ = PROPOSED WELL
- ◆ = EXISTING WELL
- = CALCULATED POINT
- ◆ = BOTTOM HOLE
- ▲ = LANDING POINT
- LP = LANDING POINT
- BH = BOTTOM HOLE

NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **EXTRACTION OIL & GAS**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC









SHEET 1 OF 2

PREPARED BY: PFS Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 05-02-14	SURFACE LOCATION: SW 1/4 SW 1/4, SEC. 8, T7N, R66W, 6TH P.M.
	DRAWING DATE: 05-16-14	WELD COUNTY, COLORADO
BY: JLD	CHECKED: DRF	

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

SECTION 9, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

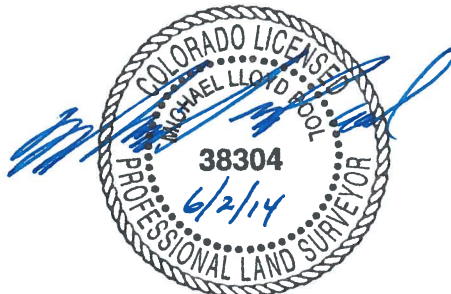


-  = EXISTING MONUMENT  = BOTTOM HOLE
 = PROPOSED WELL  = LANDING POINT
 = EXISTING WELL LP = LANDING POINT
 = CALCULATED POINT BH = BOTTOM HOLE

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SHEET 2 OF 2



MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY:

PFS  LLC
Petroleum Field Services, LLC
7535 Hilltop Circle
Denver, CO 80221

FIELD DATE: 05-02-14		SURFACE LOCATION: SW 1/4 SW 1/4, SEC. 8, T7N, R66W, 6TH P.M. WELD COUNTY, COLORADO
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