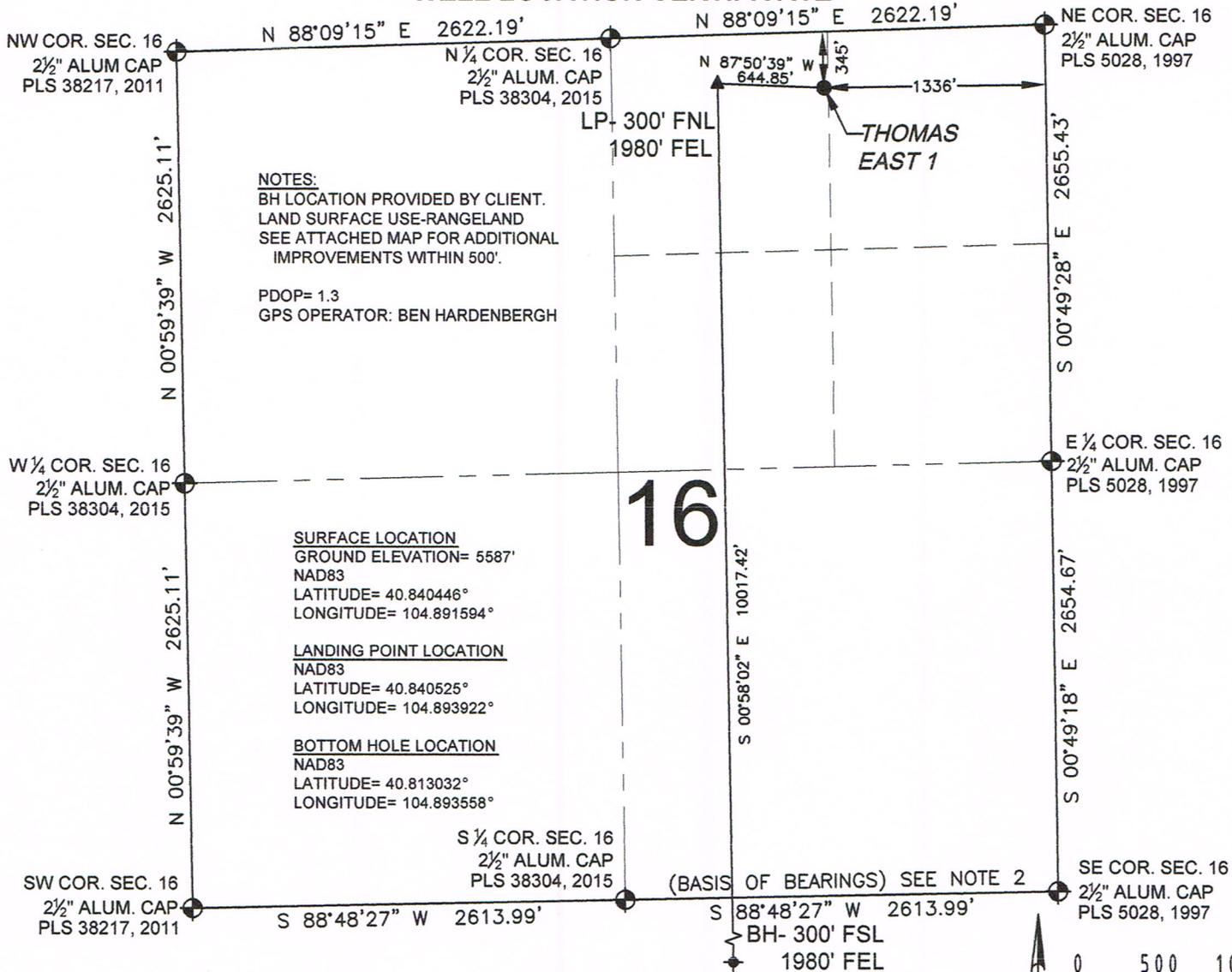


THOMAS EAST 1 WELL LOCATION CERTIFICATE



NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-RANGELAND
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'.

PDOP= 1.3
GPS OPERATOR: BEN HARDENBERGH

SURFACE LOCATION
GROUND ELEVATION= 5587'
NAD83
LATITUDE= 40.840446°
LONGITUDE= 104.891594°

LANDING POINT LOCATION
NAD83
LATITUDE= 40.840525°
LONGITUDE= 104.893922°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.813032°
LONGITUDE= 104.893558°

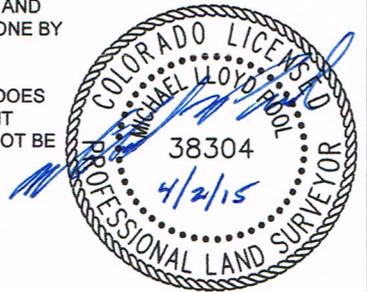
WELL THOMAS EAST 1 TO BE LOCATED
345' FNL AND 1336' FEL

LEGEND

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

- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215 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.
 2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID BEARINGS AND DISTANCES 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.



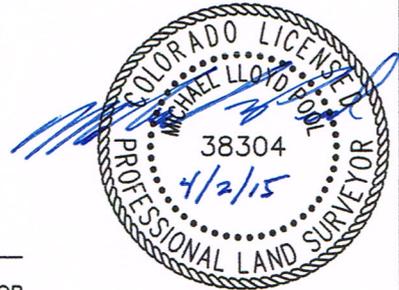
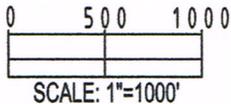
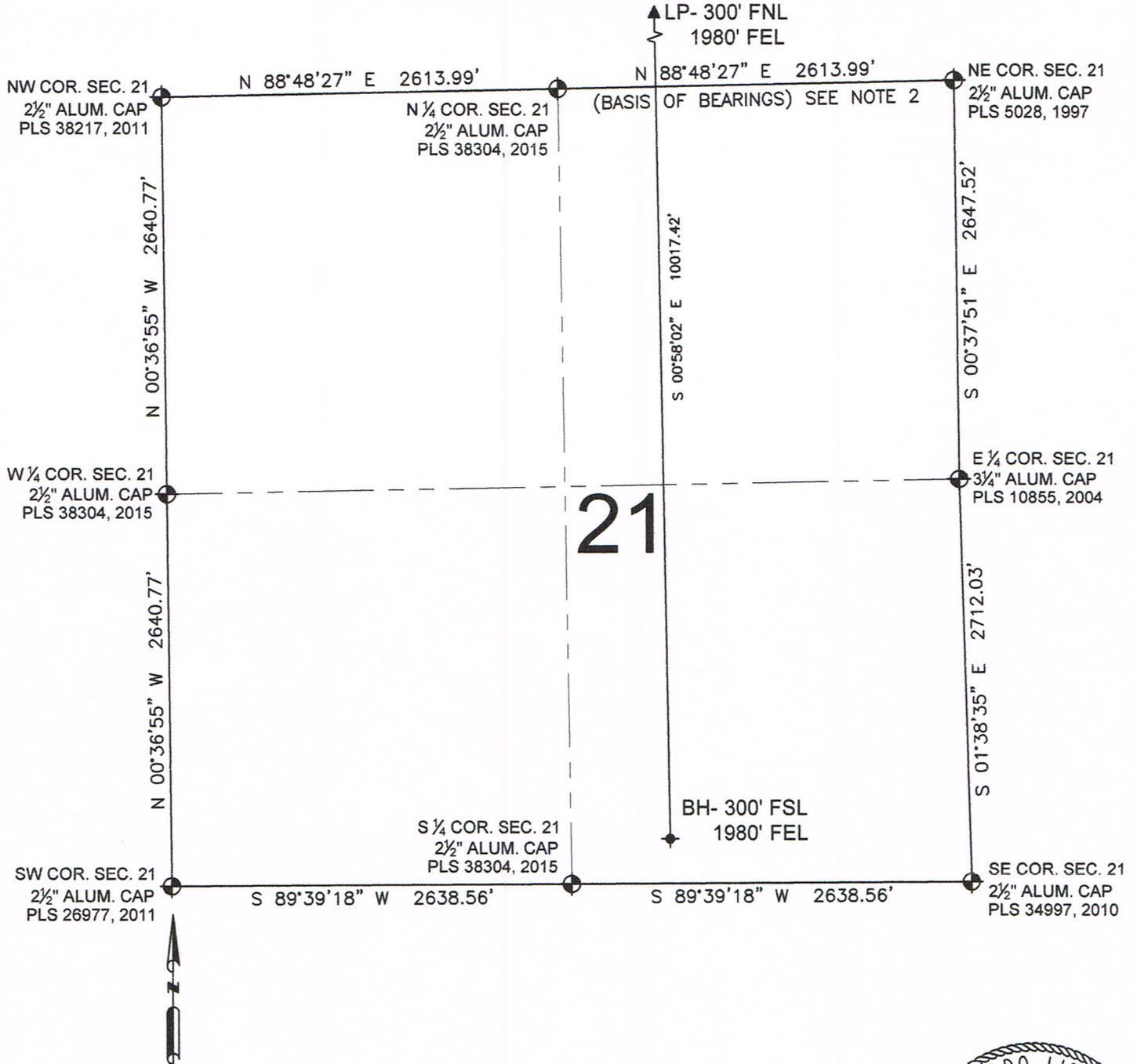
NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION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

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: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 03-27-15 DRAWING DATE: 03-31-15 BY: SMF CHECKED BY: TJN	WELL NAME: THOMAS EAST 1 SURFACE LOCATION: NW 1/4 NE 1/4, SEC. 16, T10N, R67W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR:
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THOMAS EAST 1 WELL LOCATION CERTIFICATE



- LEGEND**
- ⊙ = EXISTING MONUMENT
 - ⊕ = PROPOSED WELL
 - BH = BOTTOM HOLE
 - ◆ = BOTTOM HOLE
 - ▲ = LANDING POINT
 - LP = LANDING POINT

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

SHEET 2 OF 2

PREPARED BY: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 03-27-15	WELL NAME: THOMAS EAST 1	PREPARED FOR: Oil & Gas
	DRAWING DATE: 03-31-15	SURFACE LOCATION: NW 1/4 NE 1/4, SEC. 16, T10N, R67W, 6TH P.M. WELD COUNTY, COLORADO	
	BY: SMF	CHECKED BY: TJN	