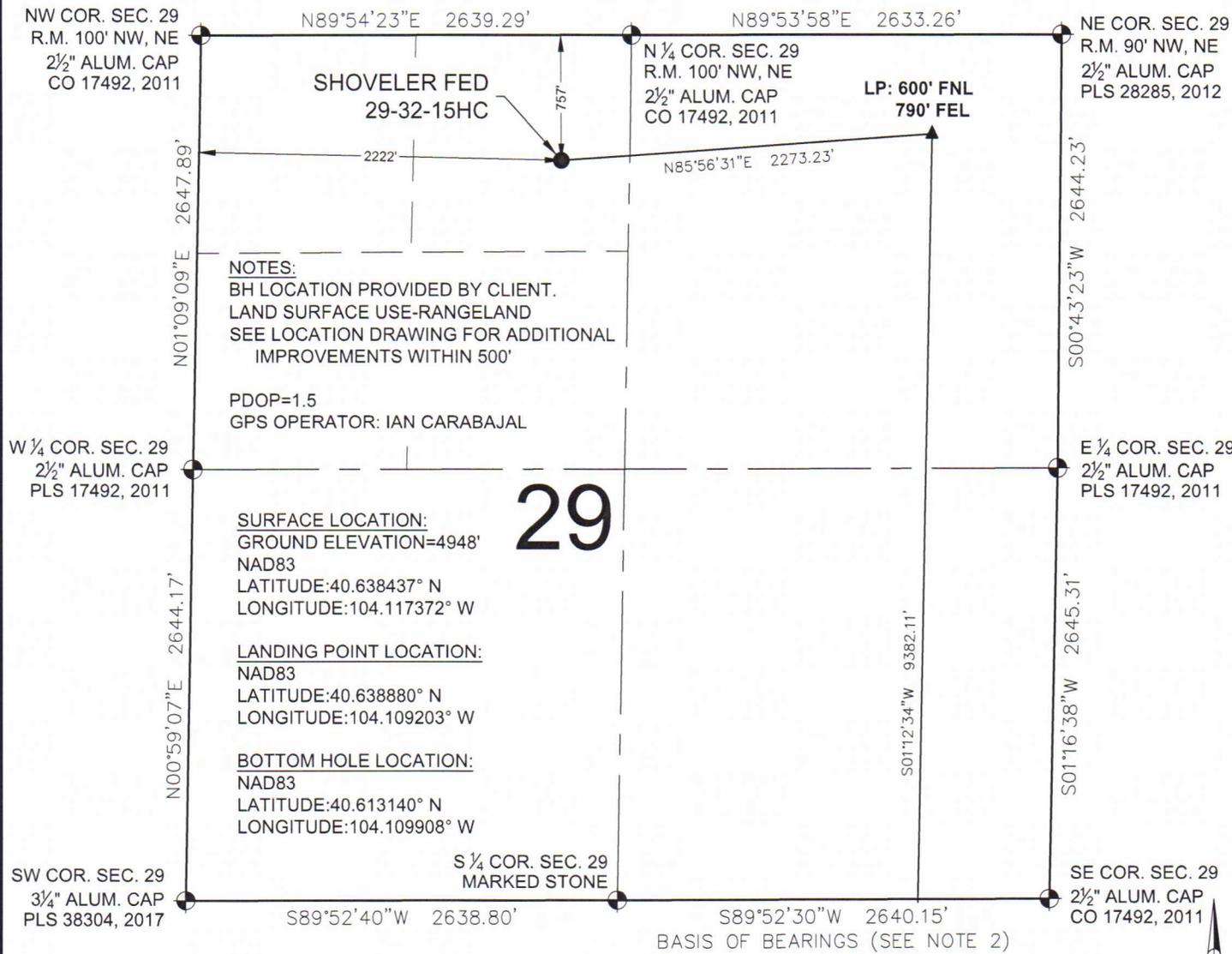


# SHOVELER FED 29-32-15HC WELL LOCATION CERTIFICATE



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

PDOP=1.5  
 GPS OPERATOR: IAN CARABAJAL

SURFACE LOCATION:  
 GROUND ELEVATION=4948'  
 NAD83  
 LATITUDE:40.638437° N  
 LONGITUDE:104.117372° W

LANDING POINT LOCATION:  
 NAD83  
 LATITUDE:40.638880° N  
 LONGITUDE:104.109203° W

BOTTOM HOLE LOCATION:  
 NAD83  
 LATITUDE:40.613140° N  
 LONGITUDE:104.109908° W

S ¼ COR. SEC. 29  
 MARKED STONE

BASIS OF BEARINGS (SEE NOTE 2)

BHL: 600' FSL } SEC. 32  
 790' FEL }

**LEGEND**

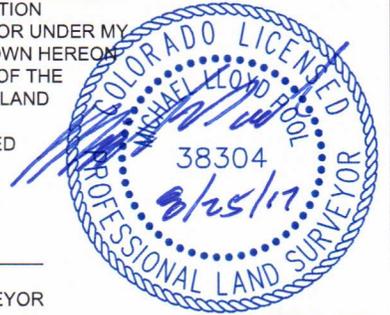
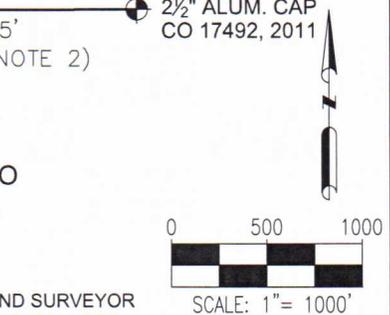
- ⊕ = EXISTING MONUMENT      ⊙ = BOTTOM HOLE
- = CALCULATED POSITION    ▲ = LANDING POINT
- = PROPOSED WELL        LP = LANDING POINT
- ◆ = EXISTING WELL        BHL = BOTTOM HOLE LOCATION

- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
  2. BEARINGS ARE BASED ON THE ASSUMPTION THAT THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 29, BEARS S89°52'30"W BETWEEN THE MONUMENTS SHOWN HEREON.
  3. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.655085°N, A CENTRAL MERIDIAN LONGITUDE OF 104.086861°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000232 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
  4. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE.

**WELL SHOVELER FED 29-32-15HC TO  
BE LOCATED 757' FNL & 2222' FWL**

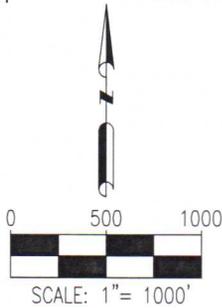
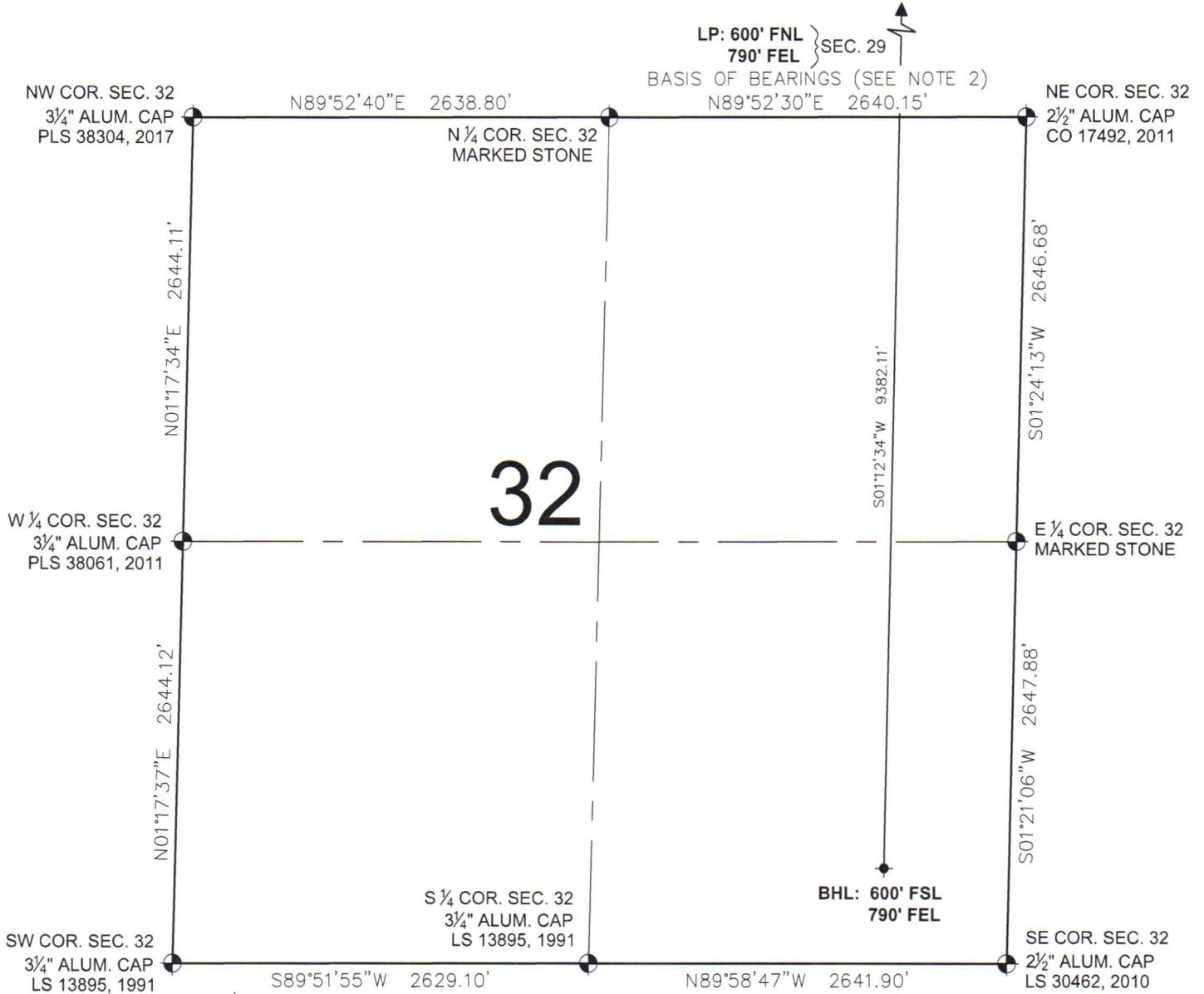
I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **MALLARD EXPLORATION**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED 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



<p style="font-size: 8px;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE: <b>08-10-17</b>	WELL NAME: <b>SHOVELER FED 29-32-15HC</b>	PREPARED FOR:
	DRAWING DATE: <b>08-24-17</b>	SURFACE LOCATION: <b>NE 1/4 NW 1/4 SEC. 29 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO</b>	
BY: <b>SMF</b>	CHECKED: <b>DJP</b>		

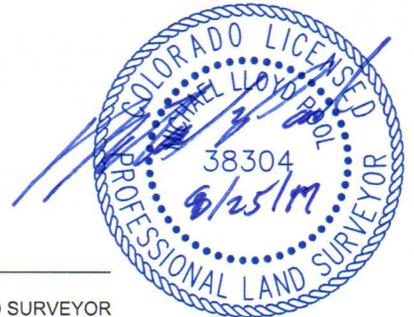
# SHOVELER FED 29-32-15HC WELL LOCATION CERTIFICATE



### LEGEND

- ⊕ = EXISTING MONUMENT
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- ▲ = LANDING POINT
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MICHAEL L. POOL, PLS 38304  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
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SHEET 2 OF 2

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