

CASTOR FED 8-59 19-24-6 WELL LOCATION CERTIFICATE

NW COR. SEC. 19
2½" ALUM. CAP
RLS 26294, 2008

NE COR. SEC. 19
2½" ALUM. CAP
RLS 26964, 2007

BASIS OF BEARINGS
(SEE NOTE 2)
N01°09'43"E 2652.14'

S89°01'06"E 2702.32' S89°01'06"E 2629.78'

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

PDOP=1.9
GPS OPERATOR: MICHAEL HERNANDEZ

LP: 1849' FNL
600' FEL

BHL: 1849' FNL
2340' FEL } SEC. 24

W ¼ COR. SEC. 19
2½" ALUM. CAP
CO 17492, 2011

E ¼ COR. SEC. 19
2½" ALUM. CAP
RLS 26294, 2007

N01°09'44"E 2652.12'

LOT 3
SURFACE LOCATION:
GROUND ELEVATION=4860'
NAD83
LATITUDE: 40.644568° N
LONGITUDE: 104.012531° W

LANDING POINT LOCATION:
NAD83
LATITUDE: 40.650029° N
LONGITUDE: 104.012588° W

LOT 4
BOTTOM HOLE LOCATION:
NAD83
LATITUDE: 40.650239° N
LONGITUDE: 104.038144° W

SW COR. SEC. 19
2½" ALUM. CAP
R.M. 100' NW, NE
CO 17492, 2011

N88°53'26"W 2744.62' S ¼ COR. SEC. 19
2½" ALUM. CAP
PLS 28285, 2012

N88°53'27"W 2637.70' SE COR. SEC. 19
¾" ALUM. CAP
PLS 10740, 1990

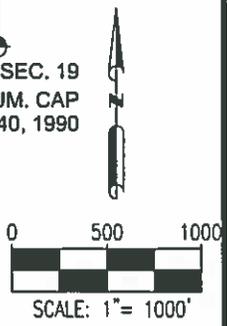
19

CASTOR FED 8-59 19-24-6

LEGEND

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

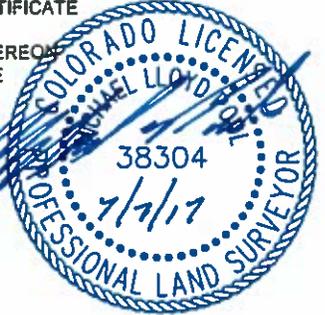
**WELL CASTOR FED 8-59 19-24-6 TO BE
LOCATED 1476' FSL & 560' FEL**



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 WEST LINE OF THE NORTHWEST QUARTER OF SECTION 19, BEARS N01°09'43"E 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 40.855085°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.

I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO BISON OIL & GAS 2, LLC, 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.

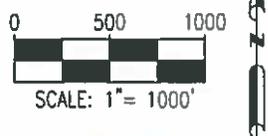
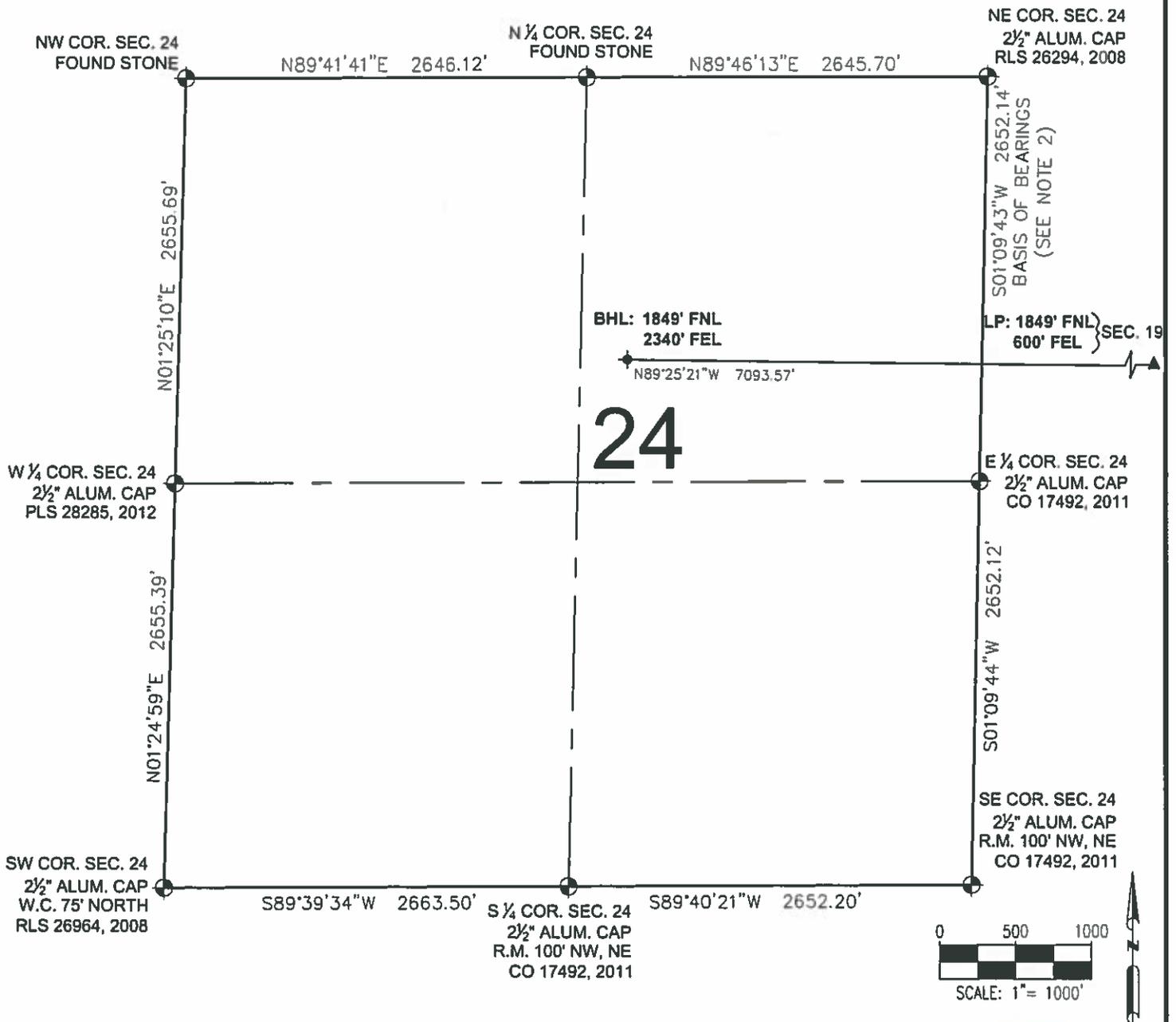


MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 1 OF 2

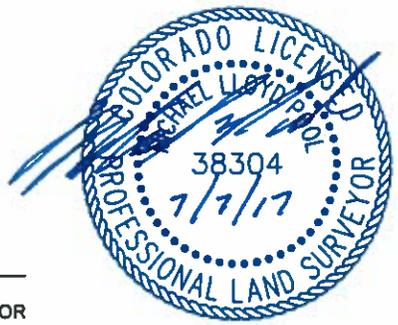
<p style="font-size: 8pt;">2535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE 06-28-17	WELL NAME CASTOR FED 8-59 19-24-6	PREPARED FOR
	DRAWING DATE 07-05-17	SURFACE LOCATION: NE 1/4 SE 1/4 SEC. 19, T8N, R59W, 6TH P.M. WELD COUNTY, COLORADO	
BY: MAG	CHECKED: CLP		

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



SHEET 2 OF 2

<p style="font-size: 8px;">7535 HiTop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE 06-28-17	WELL NAME CASTOR FED 8-59 19-24-6	PREPARED FOR
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