

THORNTON J-29-30HN WELL LOCATION CERTIFICATE

NW COR. SEC. 28
3/4" ALUM. CAP
PLS 7242, 1995

NE COR. SEC. 28
3/4" BRASS CAP
PLS 26595, 2000

N89°09'29"E 2669.58'

N89°09'52"E 2669.55'

N 1/4 COR. SEC. 28
3/4" BRASS CAP
PLS 26595, 2000

SURFACE LOCATION:
GROUND ELEVATION=4905'
NAD83
LATITUDE:40.548501°
LONGITUDE:104.791535°

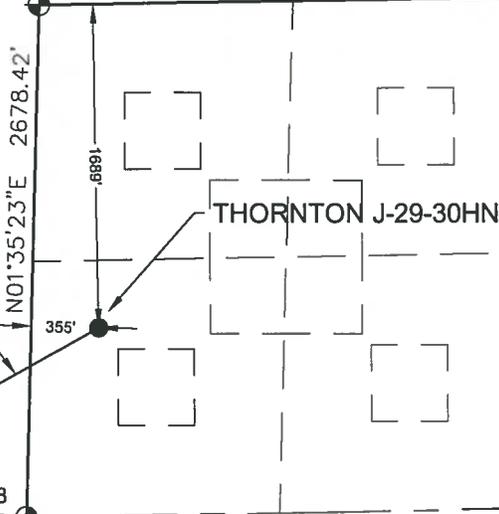
LANDING POINT LOCATION:
NAD83
LATITUDE:40.547235°
LONGITUDE:104.794565°

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.546663°
LONGITUDE:104.830305°

28

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

PDOP=1.8
GPS OPERATOR: ALEC SHULL



S60°50'39"W 960.00'
LP: 2140' FNL } SEC. 29
470' FEL }
BHL: 2140' FNL } SEC. 30
470' FWL }
W 1/4 COR. SEC. 28
2 1/2" ALUM. CAP
PLS 16154, 1999

(BASIS OF BEARINGS (SEE NOTE 2)
N01°35'03"E 2678.41'

SW COR. SEC. 28
2 1/2" ALUM. CAP
PLS 28285, 2001

S 1/4 COR. SEC. 28
3/4" ALUM. CAP
PLS 7242, 1998

SE COR. SEC. 28
2 1/2" ALUM. CAP
PLS 23513, NO DATE

S88°50'11"W 2658.99'

S88°50'22"W 2658.68'

LEGEND

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

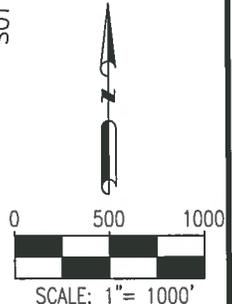
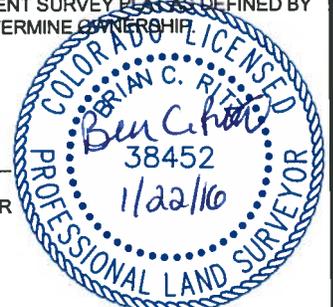
**WELL THORNTON J-29-30HN TO
BE LOCATED 1889' FNL & 355' FWL**

- 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 SOUTHWEST QUARTER OF SECTION 28, BEARS N01°35'03"E BETWEEN THE MONUMENTS SHOWN HEREON.
 3. GRID DISTANCES ARE SHOWN, AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES. TO GET GROUND DISTANCES MULTIPLY THE SHOWN DISTANCE BY 1.000264178.
 4. ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
 5. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE.

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.

I, BRIAN C. RITZ, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **BAYSWATER EXPLORATION & PRODUCTION, 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.

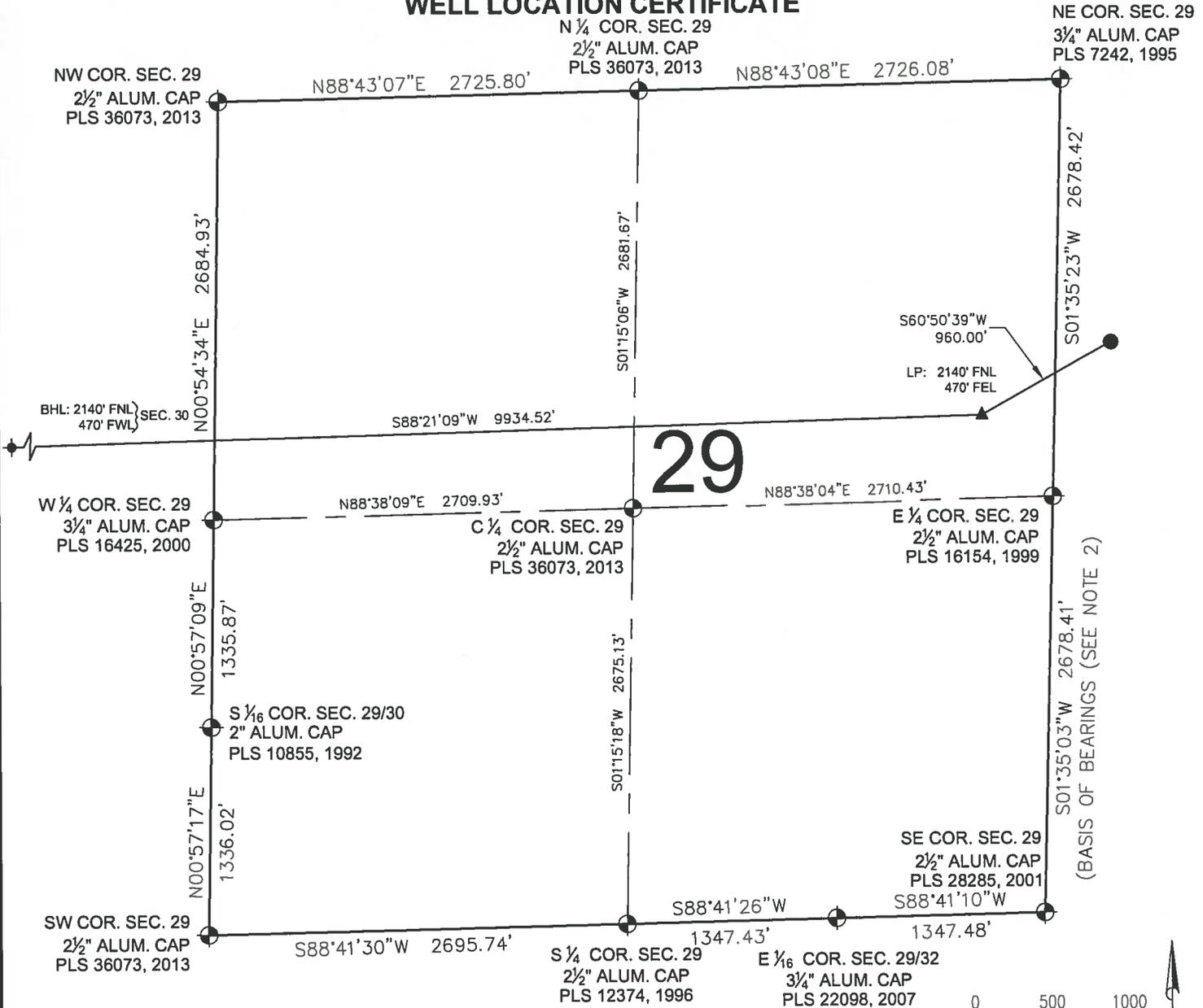
BRIAN C. RITZ, PLS 38452
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 1 OF 3

PREPARED BY: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-06-16 DRAWING DATE: 01-18-16 BY: KAD CHECKED BY: TJN	WELL NAME: THORNTON J-29-30HN SURFACE LOCATION: SW 1/4 NW 1/4 SEC. 28, T7N, R66W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR: BAYSWATER EXPLORATION AND PRODUCTION, LLC
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THORNTON J-29-30HN WELL LOCATION CERTIFICATE



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NE COR. SEC. 29
3/4" ALUM. CAP
PLS 7242, 1995

NW COR. SEC. 29
2 1/2" ALUM. CAP
PLS 36073, 2013

N 1/4 COR. SEC. 29
2 1/2" ALUM. CAP
PLS 36073, 2013

BHL: 2140' FNL
470' FWL } SEC. 30

W 1/4 COR. SEC. 29
3/4" ALUM. CAP
PLS 16425, 2000

C 1/4 COR. SEC. 29
2 1/2" ALUM. CAP
PLS 36073, 2013

E 1/4 COR. SEC. 29
2 1/2" ALUM. CAP
PLS 16154, 1999

S 1/16 COR. SEC. 29/30
2" ALUM. CAP
PLS 10855, 1992

SE COR. SEC. 29
2 1/2" ALUM. CAP
PLS 28285, 2001

SW COR. SEC. 29
2 1/2" ALUM. CAP
PLS 36073, 2013

S 1/4 COR. SEC. 29
2 1/2" ALUM. CAP
PLS 12374, 1996

E 1/16 COR. SEC. 29/32
3/4" ALUM. CAP
PLS 22098, 2007

BASIS OF BEARINGS (SEE NOTE 2)



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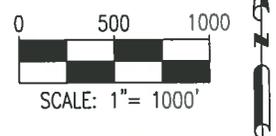
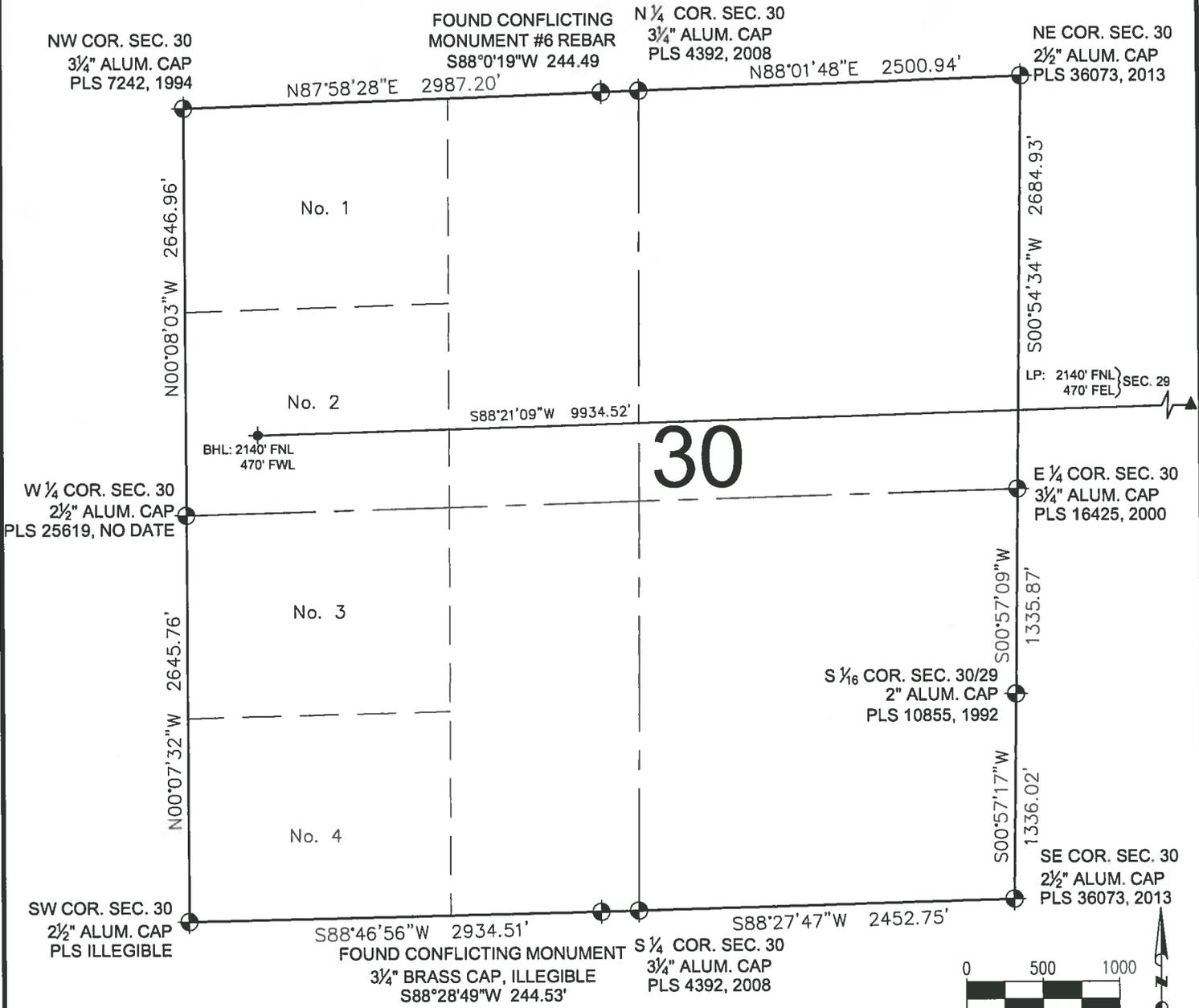
BRIAN C. RITZ, PLS 38452
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 2 OF 3

PREPARED BY: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-06-16	WELL NAME: THORNTON J-29-30HN	PREPARED FOR: BAYSWATER EXPLORATION AND PRODUCTION, LLC
	DRAWING DATE: 01-18-16	SURFACE LOCATION: SW 1/4 NW 1/4 SEC. 28, T7N, R66W, 6TH P.M. WELD COUNTY, COLORADO	
	BY: KAD	CHECKED BY: TJN	

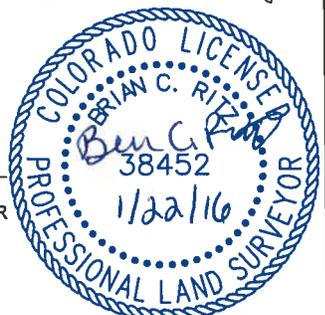
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BRIAN C. RITZ, PLS 38452
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC



SHEET 3 OF 3

PREPARED BY: PFS Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-06-16	WELL NAME: THORNTON J-29-30HN	PREPARED FOR:	
	DRAWING DATE: 01-18-16	SURFACE LOCATION: SW 1/4 NW 1/4 SEC. 28, T7N, R66W, 6TH P.M. WELD COUNTY, COLORADO		BAYSWATER EXPLORATION AND PRODUCTION, LLC
	BY: KAD	CHECKED BY: TJN		