

# THORNTON C-29-30HN WELL LOCATION CERTIFICATE

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

N89°09'29"E 2669.58'

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

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

**SURFACE LOCATION:**  
GROUND ELEVATION=4908'  
NAD83  
LATITUDE:40.548789°  
LONGITUDE:104.791521°

**LANDING POINT LOCATION:**  
NAD83  
LATITUDE:40.551616°  
LONGITUDE:104.794360°

**BOTTOM HOLE LOCATION:**  
NAD83  
LATITUDE:40.551043°  
LONGITUDE:104.830275°

# 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

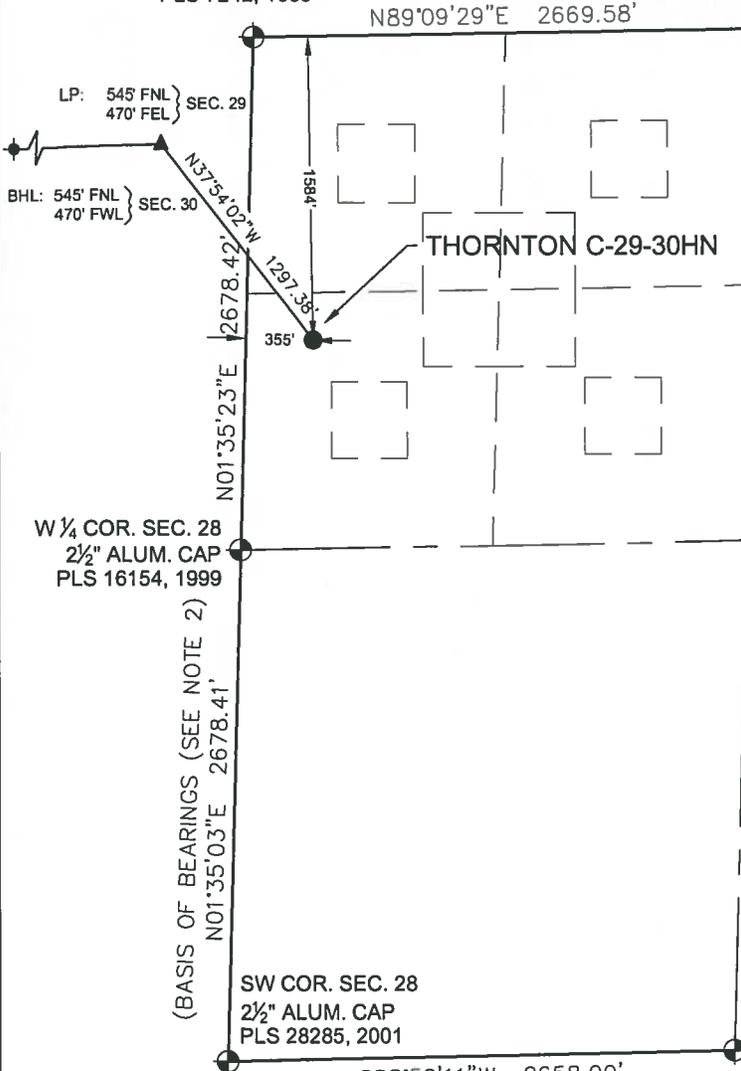
S 1/4 COR. SEC. 28  
3/4" ALUM. CAP  
PLS 7242, 1998

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

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

(BASIS OF BEARINGS (SEE NOTE 2))

LP: 545' FNL } SEC. 29  
470' FEL }  
BHL: 545' FNL } SEC. 30  
470' FNL }



**LEGEND**

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

**WELL THORNTON C-29-30HN TO  
BE LOCATED 1584' FNL & 355' FWL**

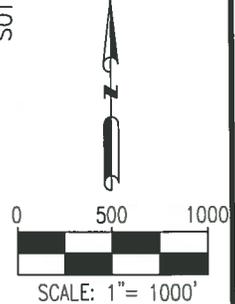
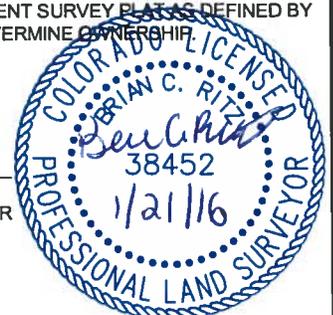
**NOTES:**

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.

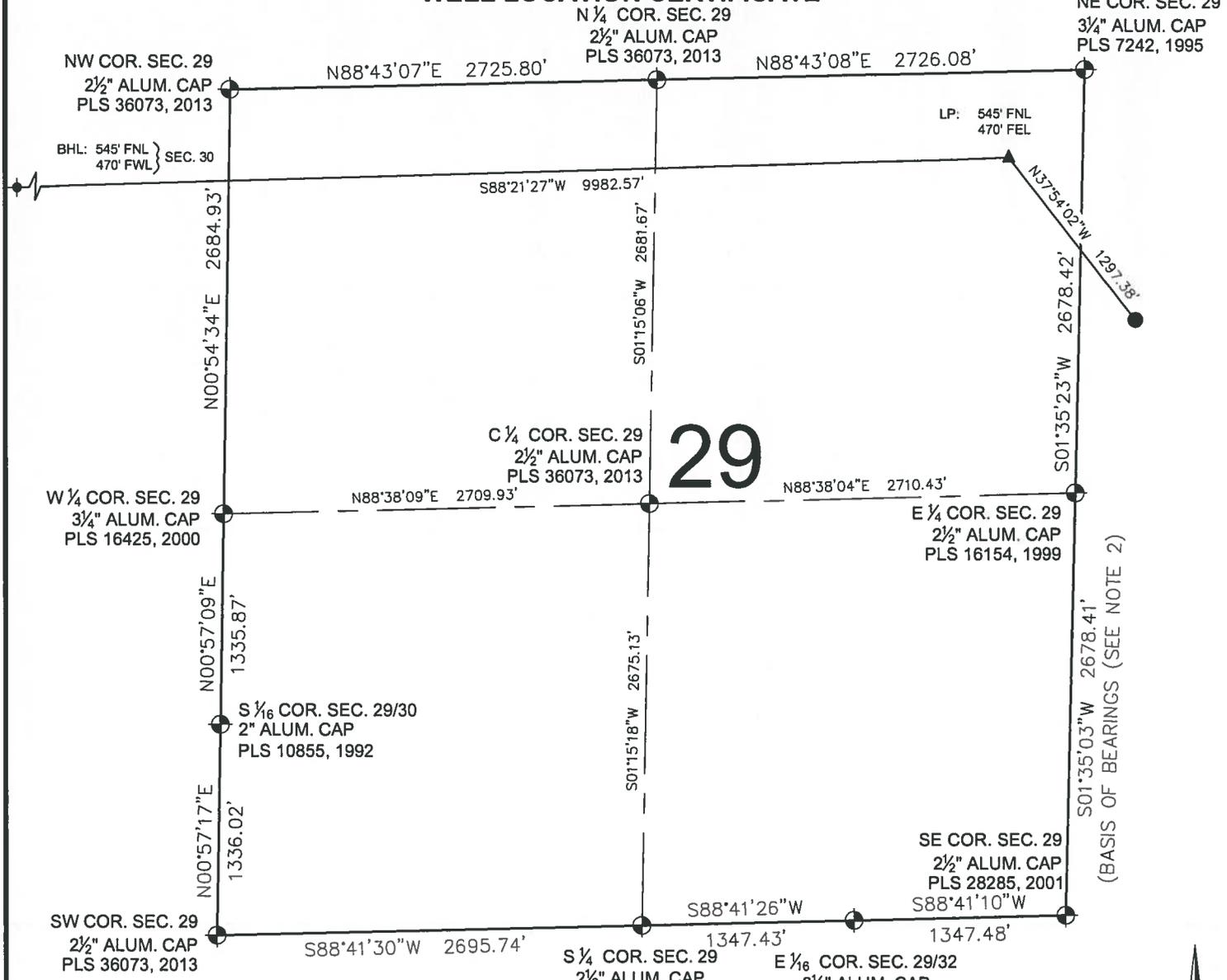
BRIAN C. RITZ, PLS 38452  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 1 OF 3

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

# THORNTON C-29-30HN WELL LOCATION CERTIFICATE



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

N88°43'08"E 2726.08'

N88°43'07"E 2725.80'

LP: 545' FNL  
470' FEL

BHL: 545' FNL } SEC. 30  
470' FWL }

S88°21'27"W 9982.57'

N00°54'34"E 2684.93'

S01°15'06"W 2681.67'

N37°54'02"W 1297.38'

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

N88°38'04"E 2710.43'

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

N88°38'09"E 2709.93'

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

N00°57'09"E  
1335.87'

S01°15'18"W 2675.13'

S01°35'03"W 2678.41'  
(BASIS OF BEARINGS (SEE NOTE 2))

S 1/6 COR. SEC. 29/30  
2" ALUM. CAP  
PLS 10855, 1992

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

S88°41'26"W

S88°41'10"W

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

S88°41'30"W 2695.74'

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

E 1/6 COR. SEC. 29/32  
3/4" ALUM. CAP  
PLS 22098, 2007



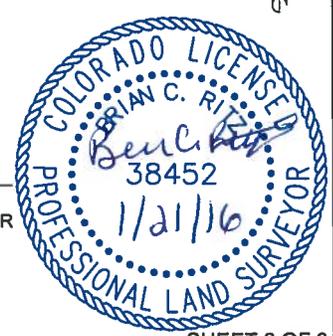
SCALE: 1" = 1000'



**LEGEND**

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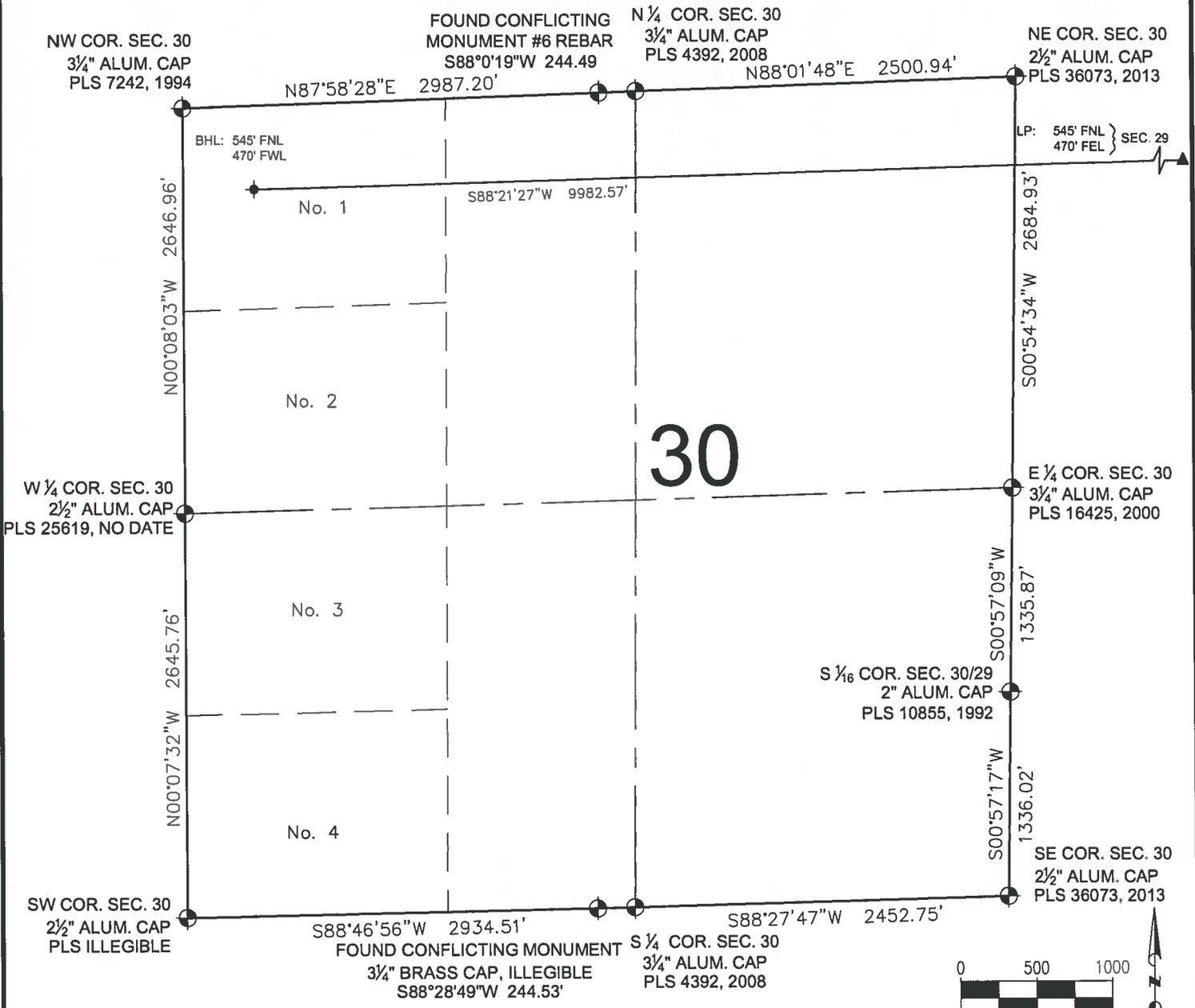
BRIAN C. RITZ, PLS 38452  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 2 OF 3

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

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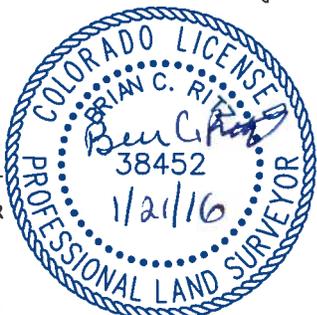


# 30



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  - = PROPOSED WELL
  - ◆ = EXISTING WELL
  - ⬮ = BOTTOM HOLE
  - ▲ = LANDING POINT
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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

|  |                           |   |  |                       |
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|  | BY:<br>KAD                | CHECKED BY:<br>TJN  |  | WELD COUNTY, COLORADO |