

CARLSON E-15-16HC WELL LOCATION CERTIFICATE

E 1/4 COR. SEC. 10/15
3/4" ALUM. CAP
PLS 7242, 1997

NW COR. SEC. 15
3/4" ALUM. CAP
PLS 10855, 1994

NE COR. SEC. 15
3/4" ALUM. CAP
PLS 7242, 1997

BHL- 985' FNL }
2340' FWL } SEC. 16

N 89°07'40" E 2630.72'
N 1/4 COR. SEC. 15
3/4" ALUM. CAP
PLS 22098, 2002

N 88°47'44" E 1319.72'

N 88°43'43" E 1320.39'

N 00°38'51" W 2653.22'

S 89°08'05" W 7765.72'

S 00°36'04" E 2649.06'

LP- 985' FNL
470' FEL

1056'

S 00°29'42" E 2662.40'

294'

CARLSON E-15-16HC
EX. CARLSON HA 41-15

N 69°07'45" W
188.81'

W 1/4 COR. SEC. 15
2 1/2" ALUM. CAP
PLS 23501, NO DATE

N 89°02'13" E 2628.59'

N 89°03'03" E 2635.06'

E 1/4 COR. SEC. 15
3/4" ALUM. CAP
PLS 10855, 1998

N 00°37'41" W 2653.77'
(BASIS OF BEARINGS) SEE NOTE 2

15
SURFACE LOCATION
GROUND ELEVATION= 4621'
NAD83
LATITUDE= 40.403695°
LONGITUDE= 104.641023°

LANDING POINT LOCATION
NAD83
LATITUDE= 40.403885°
LONGITUDE= 104.641655°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.403766°
LONGITUDE= 104.669539°

C 1/4 COR. SEC. 15
3/4" ALUM. CAP
PLS 7242, 1987

NOTES:

BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-IRRIGATED CROP
EXISTING WELL CARLSON HA 41-15 IS 103' SE
AT 1135' FNL & 227' FEL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'.

PDOP= 1.4
GPS OPERATOR: BEN HARDENBERGH

SW COR. SEC. 15
2 1/2" ALUM. CAP
433.33' W.C.
PLS 38149, 2015

S 1/4 COR. SEC. 15
2 1/2" ALUM. CAP
15' W.C.
PLS 9644, 2004

SE COR. SEC. 15
3/4" ALUM. CAP
PLS 7242, 1998

N 89°15'39" W 2698.85'

S 88°09'42" W 2585.73'

LEGEND

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

**WELL CARLSON E-15-16HC TO BE
LOCATED 1056' FNL AND 294' FEL**

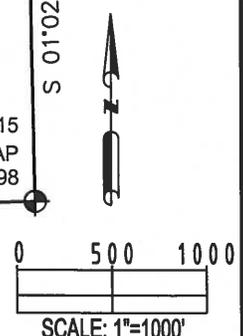
NOTES:

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 SOUTHWEST QUARTER OF SECTION 15, BEARS N00°37'41"W 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 1.000258264.
4. ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
5. FIELD VERIFICATION OF MONUMENTS COMPLETED ON FEBRUARY 11, 2015. WELL STAKING COMPLETED ON MARCH 20, 2015.

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.

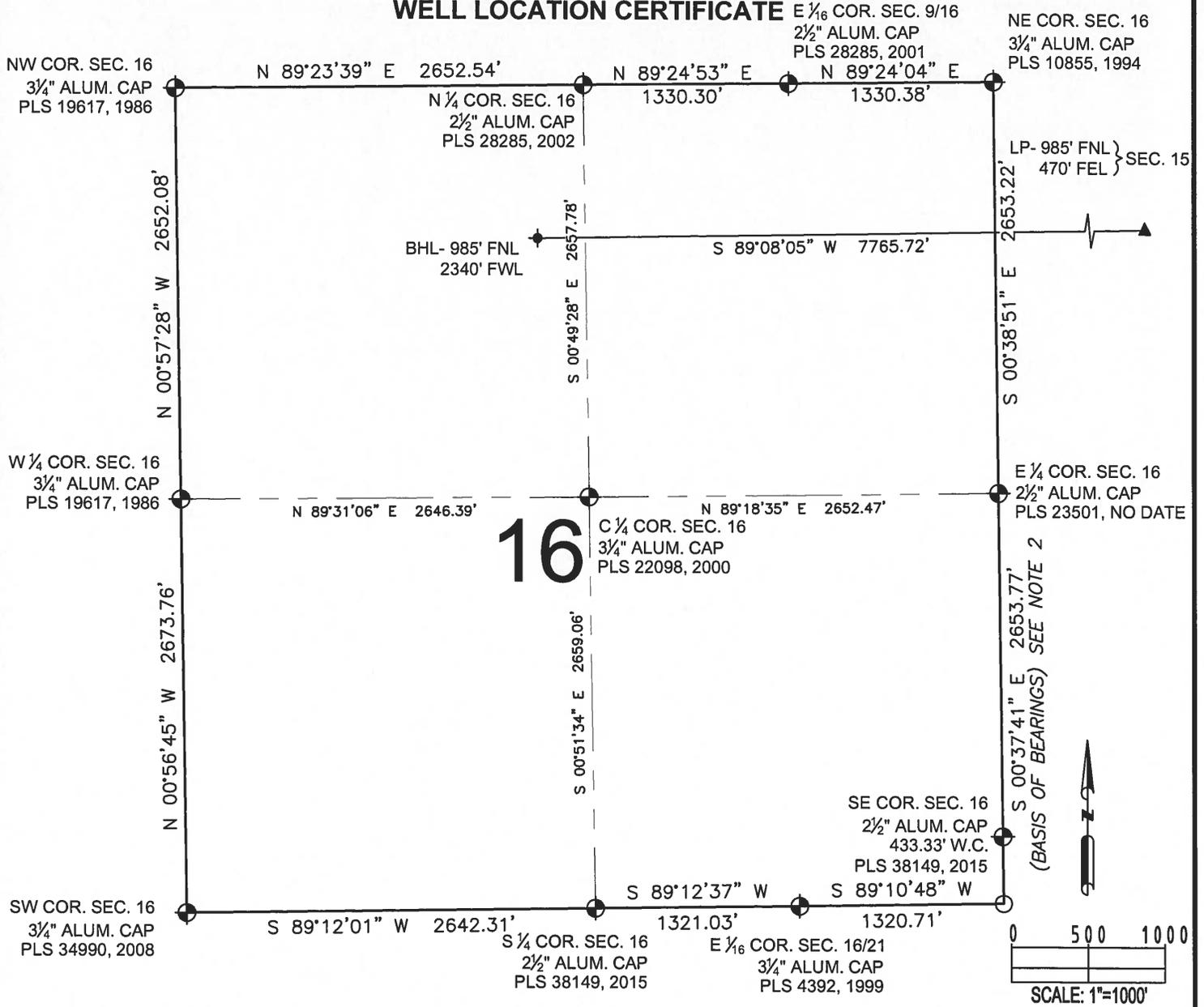
I, JACOB S. FRISCH, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **BAYSWATER EXPLORATION & PRODUCTION, LLC**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS 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.

JACOB S. FRISCH, PLS 38149
DATE: 06-19-15
JOB NO: B14.BEP.011
FOR AND ON BEHALF OF BAYSWATER EXPLORATION & PRODUCTION, LLC



PREPARED BY: 	FIELD DATE: 03-20-15 DRAWING DATE: 06-18-15 BY: CSG CHECKED BY: KAD	WELL NAME: CARLSON E-15-16HC SURFACE LOCATION: NE 1/4 NE 1/4, SEC. 15, T5N, R65W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR:
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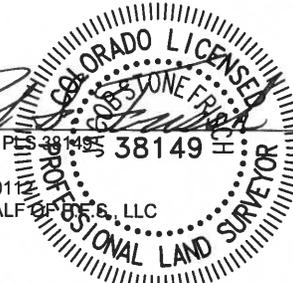
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JACOB S. FRISCH, PLS 38149
 DATE: 06-19-15
 JOB NO: B14.BEP.01
 FOR AND ON BEHALF OF PFS, LLC



SHEET 2 OF 2

PREPARED BY: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 03-20-15 DRAWING DATE: 06-18-15 BY: CSG	WELL NAME: CARLSON E-15-16HC SURFACE LOCATION: NE 1/4 NE 1/4, SEC. 15, T5N, R65W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR: BAYSWATER EXPLORATION AND PRODUCTION, LLC
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