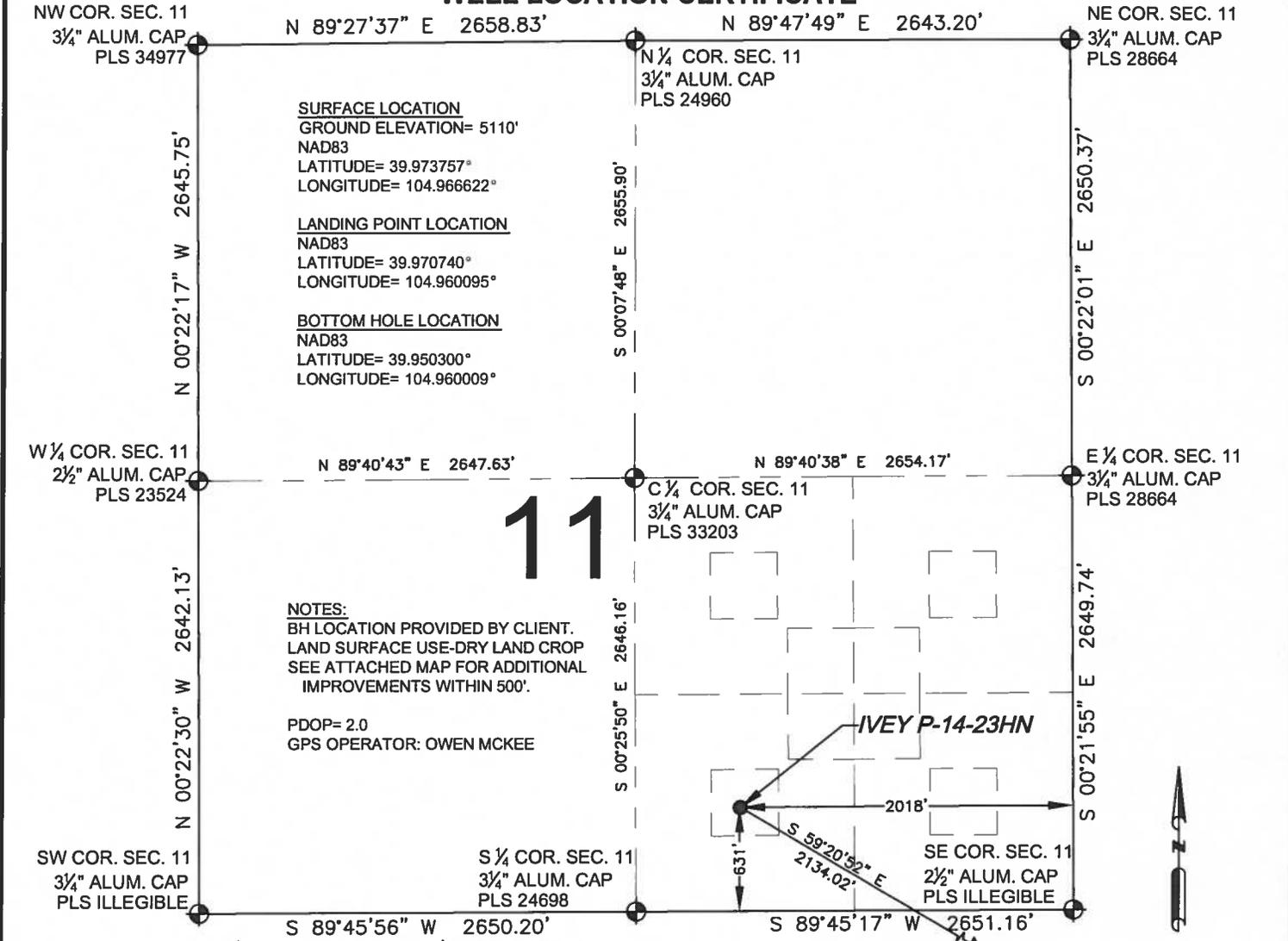


# IVEY P-14-23HN WELL LOCATION CERTIFICATE



**SURFACE LOCATION**  
GROUND ELEVATION= 5110'  
NAD83  
LATITUDE= 39.973757°  
LONGITUDE= 104.966622°

**LANDING POINT LOCATION**  
NAD83  
LATITUDE= 39.970740°  
LONGITUDE= 104.960095°

**BOTTOM HOLE LOCATION**  
NAD83  
LATITUDE= 39.950300°  
LONGITUDE= 104.960009°

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

PDOP= 2.0  
GPS OPERATOR: OWEN MCKEE

**LEGEND**

= EXISTING MONUMENT      = CALCULATED POSITION  
 = PROPOSED WELL      = EXISTING WELL  
 = BOTTOM HOLE      = LANDING POINT  
 LP = LANDING POINT     BH = BOTTOM HOLE

**WELL IVEY P-14-23HN TO BE  
LOCATED 631' FSL AND 2018' FEL**

I, JACOB S. FRISCH, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **SYNERGY RESOURCES**, 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.

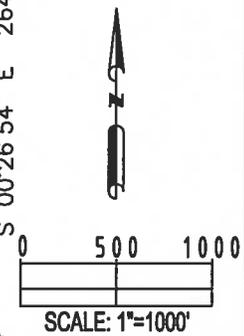
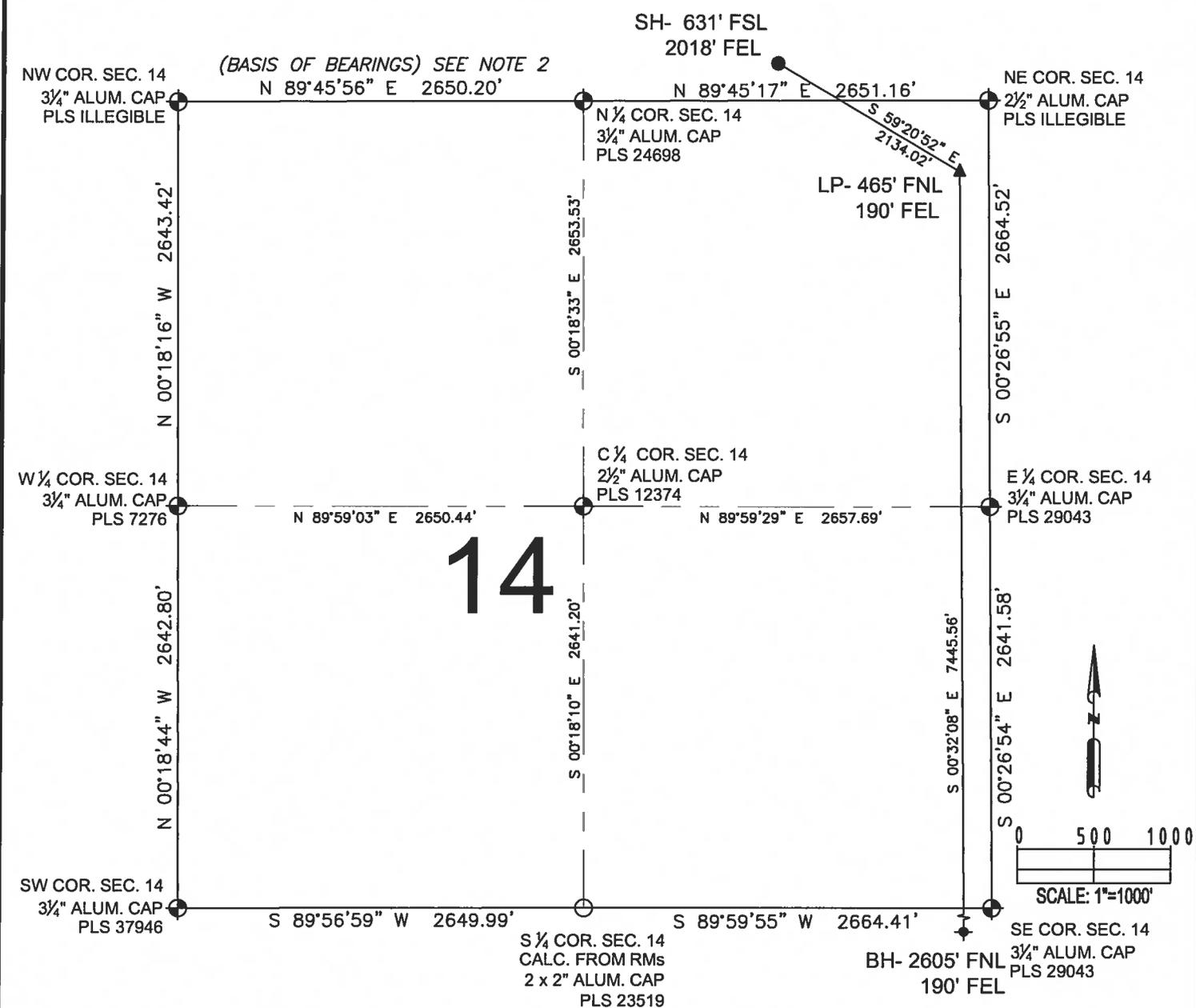
JACOB S. FRISCH, PLS 38149  
 DATE: 03-02-15     JOB NO. B15.SRC.0001  
 FOR AND ON BEHALF OF SYNERGY RESOURCES, LLC  
 PROFESSIONAL LAND SURVEYOR

- NOTES:**
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
  - BEARINGS ARE BASED UPON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 11, TOWNSHIP 1 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO AS BEARING S89°45'56"W BETWEEN THE MONUMENTS SHOWN HEREON.
  - 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 1.000274814.
  - ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.

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.

PREPARED BY:  <b>PFS</b> Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 05-07-14  DRAWING DATE: 03-02-15  BY: DRF     CHECKED BY: MDCA	WELL NAME: IVEY P-14-23HN  SURFACE LOCATION: SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M. ADAMS COUNTY, COLORADO	PREPARED FOR:  <b>SYNERGY</b> RESOURCES CORPORATION
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# IVEY P-14-23HN WELL LOCATION CERTIFICATE



- LEGEND**
- ⊕ = EXISTING MONUMENT
  - = CALCULATED POSITION
  - = PROPOSED WELL
  - ◆ = EXISTING WELL
  - ⚡ = BOTTOM HOLE
  - ▲ = LANDING POINT
  - LP = LANDING POINT
  - BH = BOTTOM HOLE

JACOB S. FRISCH, PLS 38149  
 DATE: 03-02-15 JOB NO. B15.SRC.0001  
 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: 05-07-14 DRAWING DATE: 03-02-15 BY: DRF	WELL NAME: IVEY P-14-23HN SURFACE LOCATION: SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M. ADAMS COUNTY, COLORADO CHECKED BY: MDCA	PREPARED FOR:  SYNERGY RESOURCES CORPORATION
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# IVEY P-14-23HN WELL LOCATION CERTIFICATE

N ¼ COR. SEC. 23  
CALC. FROM RMs  
2 x 2" ALUM. CAP  
PLS 23519

NW COR. SEC. 23  
¾" ALUM. CAP  
PLS 37946

N 89°56'59" E 2649.99'

N 89°59'55" E 2664.41'

LP- 465' FNL  
190' FEL

NE COR. SEC. 23  
¾" ALUM. CAP  
PLS 29043

N 00°47'45" W 2640.98'

S 00°44'10" E 2649.74'

S 00°32'08" E 7445.56'

S 00°41'49" E 2655.72'

W ¼ COR. SEC. 23  
½" ALUM. CAP  
PLS 34579

S 89°51'35" E 2647.36'

S 89°52'20" E 2662.68'

BH- 2605' FNL  
190' FEL

E ¼ COR. SEC. 23  
¾" ALUM. CAP  
PLS 9655

# 23

N 00°47'26" W 2641.40'

S 00°48'45" E 2642.88'

S 00°30'29" E 2657.63'

SW COR. SEC. 23  
¾" ALUM. CAP  
PLS 13155

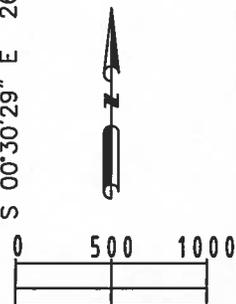
N 89°49'41" W 2648.40'

N 89°32'56" W 2648.84'

SCALE: 1"=1000'

S ¼ COR. SEC. 23  
¾" ALUM. CAP  
PLS 36053

SE COR. SEC. 23  
½" ALUM. CAP  
PLS 10717



**LEGEND**

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

JACOB S. FRISCH, PLS 38149 H  
DATE: 03-02-15 JOB NO. B15.SRC.0001  
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 3 OF 3

PREPARED BY:



FIELD DATE:  
05-07-14

DRAWING DATE:  
03-02-15

BY:  
DRF

CHECKED BY:  
MDCA

WELL NAME:  
IVEY P-14-23HN

SURFACE LOCATION:  
SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M.  
ADAMS COUNTY, COLORADO

PREPARED FOR:

