

IVEY O-14-23HN WELL LOCATION CERTIFICATE

NW COR. SEC. 11
3/4" ALUM. CAP
PLS 34977

N 89°27'37" E 2658.83'

N 89°47'49" E 2643.20'

NE COR. SEC. 11
3/4" ALUM. CAP
PLS 28664

N 1/4 COR. SEC. 11
3/4" ALUM. CAP
PLS 24960

SURFACE LOCATION
GROUND ELEVATION= 5110'
NAD83
LATITUDE= 39.973719°
LONGITUDE= 104.966643°

LANDING POINT LOCATION
NAD83
LATITUDE= 39.970741°
LONGITUDE= 104.961273°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 39.950308°
LONGITUDE= 104.961186°

W 1/4 COR. SEC. 11
2 1/2" ALUM. CAP
PLS 23524

N 89°40'43" E 2647.63'

N 89°40'38" E 2654.17'

E 1/4 COR. SEC. 11
3/4" ALUM. CAP
PLS 28664

C 1/4 COR. SEC. 11
3/4" ALUM. CAP
PLS 33203

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

SW COR. SEC. 11
3/4" ALUM. CAP
PLS ILLEGIBLE

S 1/4 COR. SEC. 11
3/4" ALUM. CAP
PLS 24698

SE COR. SEC. 11
2 1/2" ALUM. CAP
PLS ILLEGIBLE

S 89°45'56" W 2650.20'
(BASIS OF BEARINGS) SEE NOTE 2

S 89°45'17" W 2651.16'

LP- 465' FNL
520' FEL

LEGEND

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

NOTES:

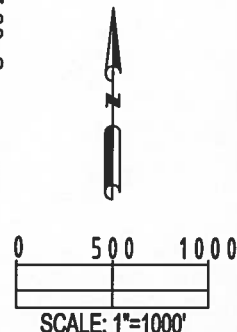
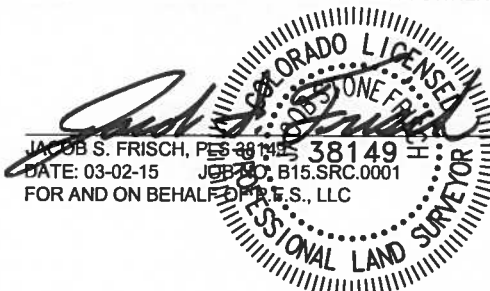
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- BEARINGS ARE BASED UPON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 11, TOWNSHIP 1 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO AS BEARING S89°45'56"W BETWEEN THE MONUMENTS SHOWN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

**WELL IVEY O-14-23HN TO BE
LOCATED 617' FSL AND 2024' 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 P.F.S., LLC



SHEET 1 OF 3

PREPARED BY:



FIELD DATE:
05-07-14

DRAWING DATE:
03-02-15

BY:
DRF

CHECKED BY:
MDCA

WELL NAME:

IVEY O-14-23HN

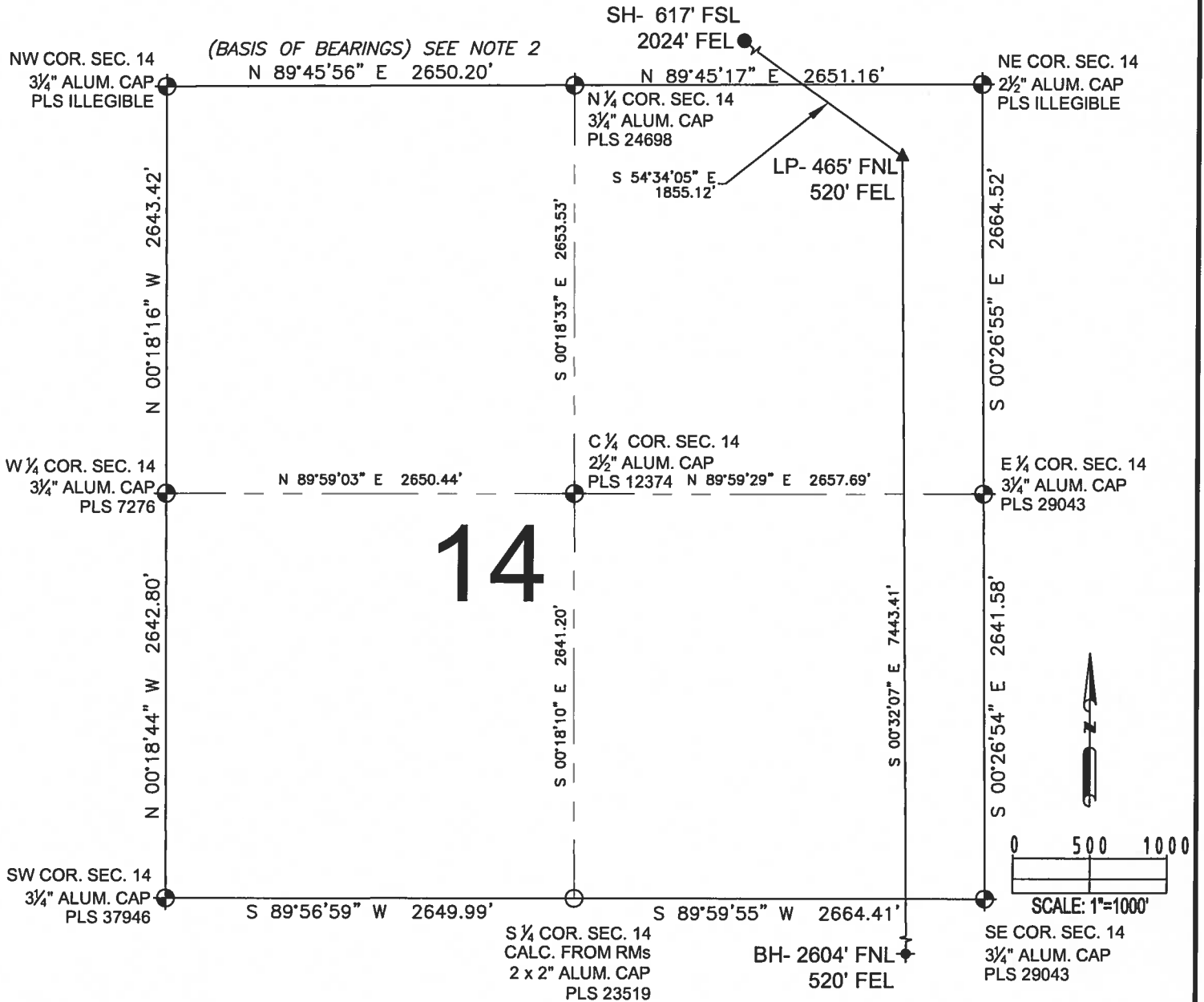
SURFACE LOCATION:

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

PREPARED FOR:



IVEY O-14-23HN WELL LOCATION CERTIFICATE



LEGEND

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



FIELD DATE:
05-07-14

DRAWING DATE:
03-02-15

BY: DRF CHECKED BY: MDCA

WELL NAME:

IVEY O-14-23HN

SURFACE LOCATION:

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

PREPARED FOR:



IVEY O-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
520' 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°32'07" E 7443.41'

S 00°41'49" E 2655.72'

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

S 89°51'35" E 2647.36'

C ¼ COR. SEC. 23
¾" ALUM. CAP
PLS 37971

S 89°52'20" E 2662.68'

BH- 2604' FNL
520' 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'

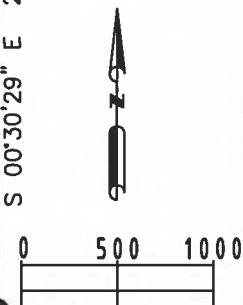
SW COR. SEC. 23
¾" ALUM. CAP
PLS 13155

N 89°49'41" W 2648.40'

N 89°32'56" W 2648.84'

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

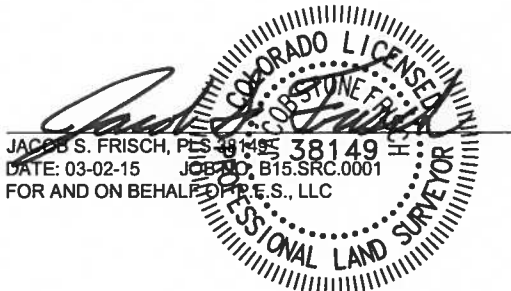
SE COR. SEC. 23
2½" ALUM. CAP
PLS 10717



SCALE: 1"=1000'

LEGEND

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- = PROPOSED WELL LP = LANDING POINT
- ◆ = EXISTING WELL 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 3 OF 3

PREPARED BY:



FIELD DATE:
05-07-14

DRAWING DATE:
03-02-15

BY:
DRF

CHECKED BY:
MDCA

WELL NAME:
IVEY O-14-23HN

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

PREPARED FOR:

