

# IVEY N-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

SURFACE LOCATION  
GROUND ELEVATION= 5110'  
NAD83  
LATITUDE= 39.973681°  
LONGITUDE= 104.966663°

LANDING POINT LOCATION  
NAD83  
LATITUDE= 39.970743°  
LONGITUDE= 104.962450°

BOTTOM HOLE LOCATION  
NAD83  
LATITUDE= 39.950315°  
LONGITUDE= 104.962363°

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

S 00°07'48" E 2655.90'

S 00°22'01" E 2650.37'

N 00°22'17" W 2645.75'

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

# 11

**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

S 00°25'50" E 2646.16'

S 00°21'55" E 2649.74'

N 00°22'30" W 2642.13'

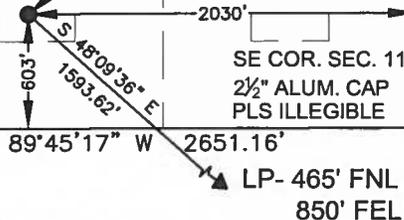
SW COR. SEC. 11  
3/4" ALUM. CAP  
PLS ILLEGIBLE

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'



**LEGEND**

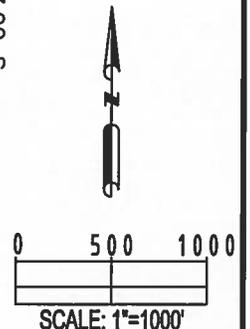
- ⊕ = EXISTING MONUMENT    ⊕ = BOTTOM HOLE
- = CALCULATED POSITION    ▲ = LANDING POINT
- = PROPOSED WELL    LP = LANDING POINT
- ◆ = EXISTING WELL    BH = BOTTOM HOLE

- 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 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.
  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 1.000274814.
  4. 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 N-14-23HN TO BE  
LOCATED 603' FSL AND 2030' FEL**

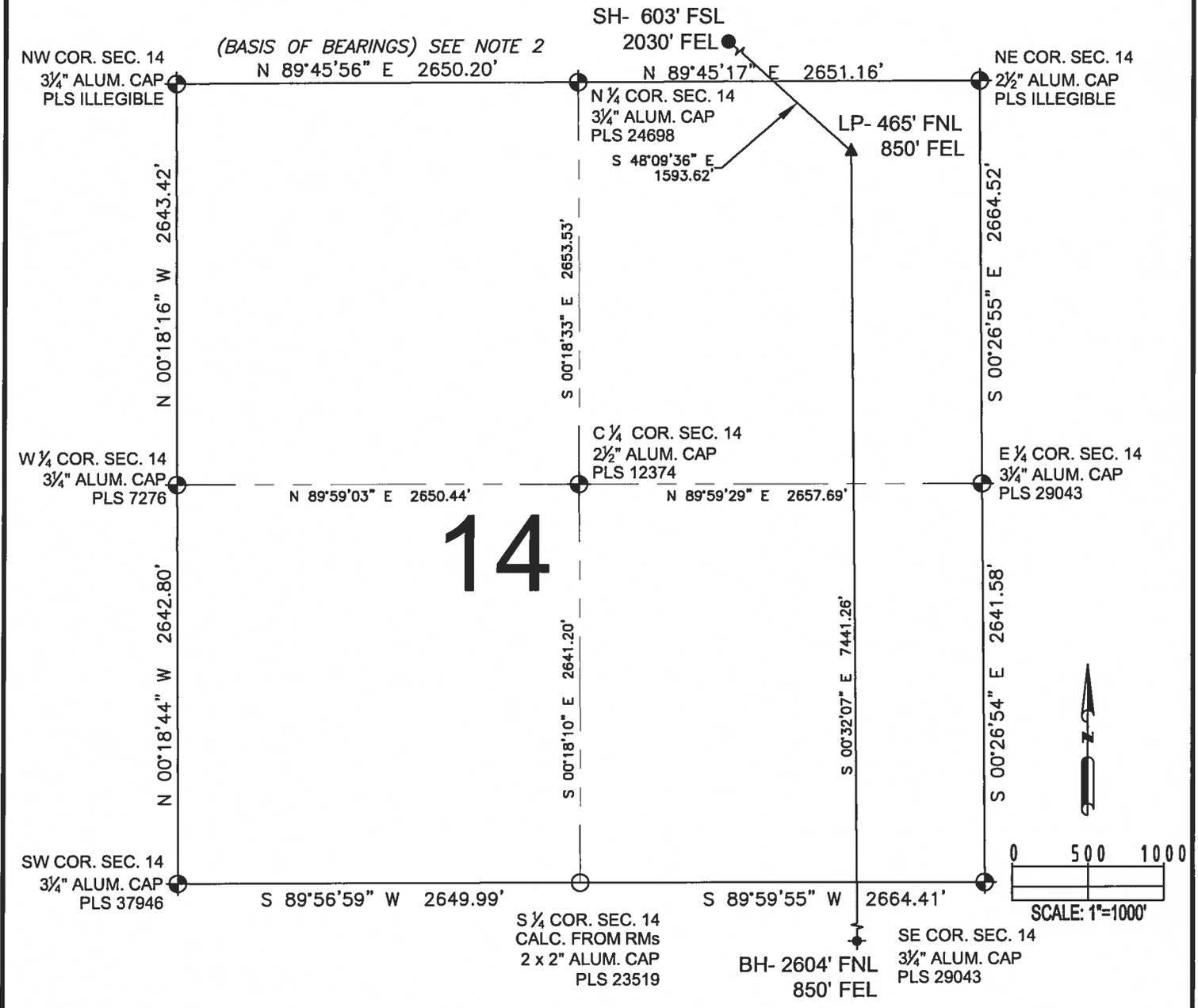
I, JACOB S. FRISCH, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **SYNERGY RESOURCES**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION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



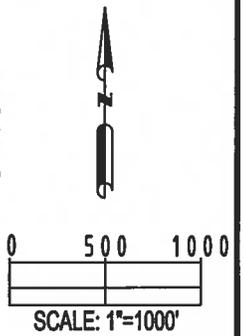
SHEET 1 OF 3

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

# IVEY N-14-23HN WELL LOCATION CERTIFICATE



# 14



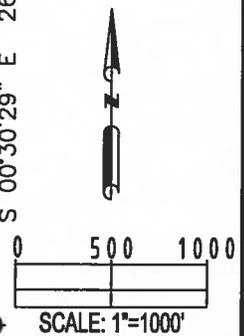
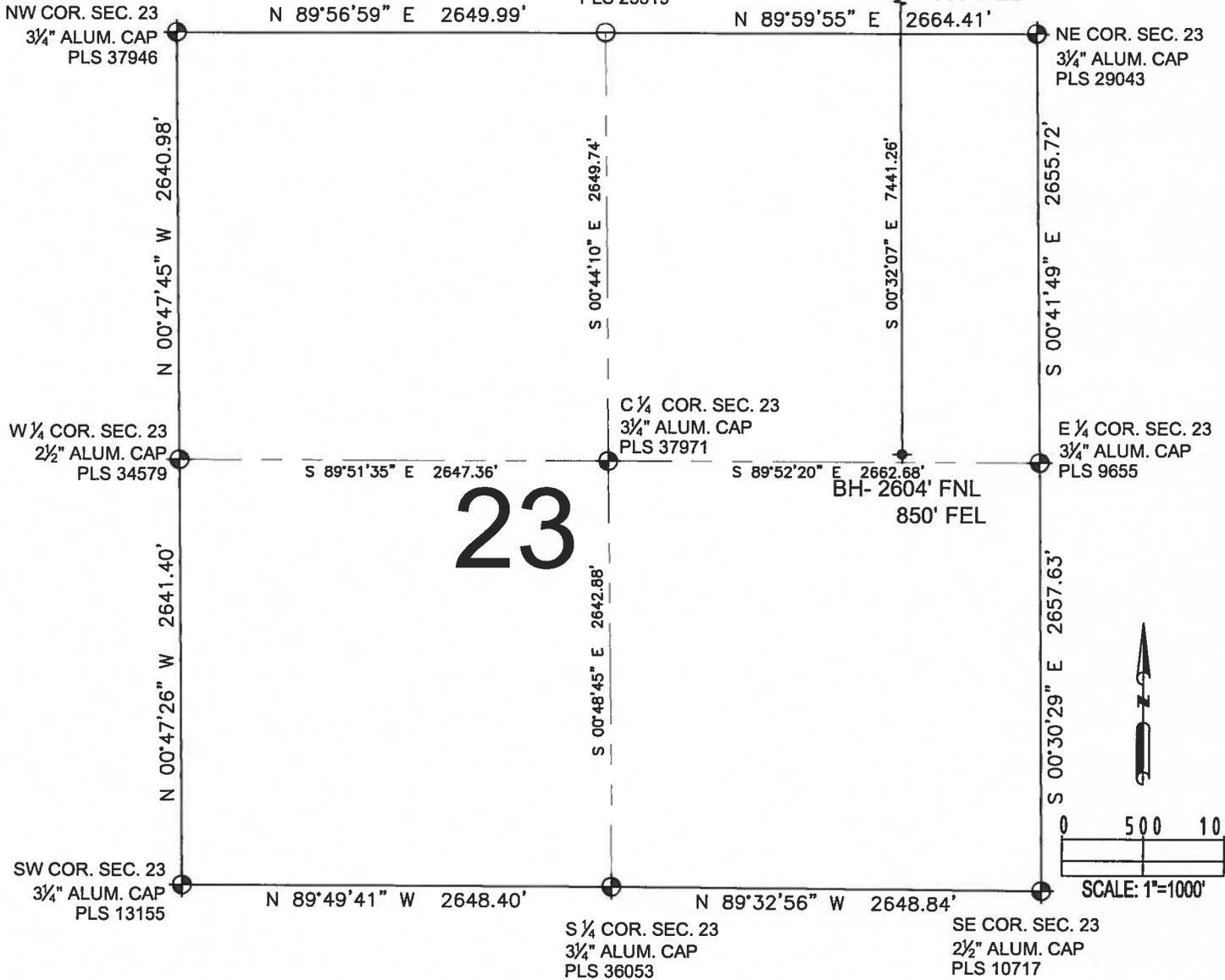
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SHEET 2 OF 3

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

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



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

**LEGEND**

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SHEET 3 OF 3

PREPARED BY: 	FIELD DATE: 05-07-14	WELL NAME: IVEY N-14-23HN	PREPARED FOR: 	
	DRAWING DATE: 03-02-15	SURFACE LOCATION: SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M. ADAMS COUNTY, COLORADO		
	BY: DRF	CHECKED BY: MDCA		