

IVEY M-14-23HC 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= 39.973643°
LONGITUDE= 104.966684°

LANDING POINT LOCATION
NAD83
LATITUDE= 39.970744°
LONGITUDE= 104.963039°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 39.950319°
LONGITUDE= 104.962952°

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

N 00°22'17" W 2645.75'

S 00°07'48" E 2655.90'

S 00°22'01" E 2650.37'

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

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

N 00°22'30" W 2642.13'

S 00°25'50" E 2646.16'

S 00°21'55" E 2649.74'

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'

IVEY M-14-23HC

2036'

S 44°23'43" E 1469.33'

LP- 465' FNL
1015' FEL

LEGEND

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- ◆ = EXISTING WELL BH = BOTTOM HOLE

**WELL IVEY M-14-23HC TO BE
LOCATED 589' FSL AND 2036' 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 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.

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.

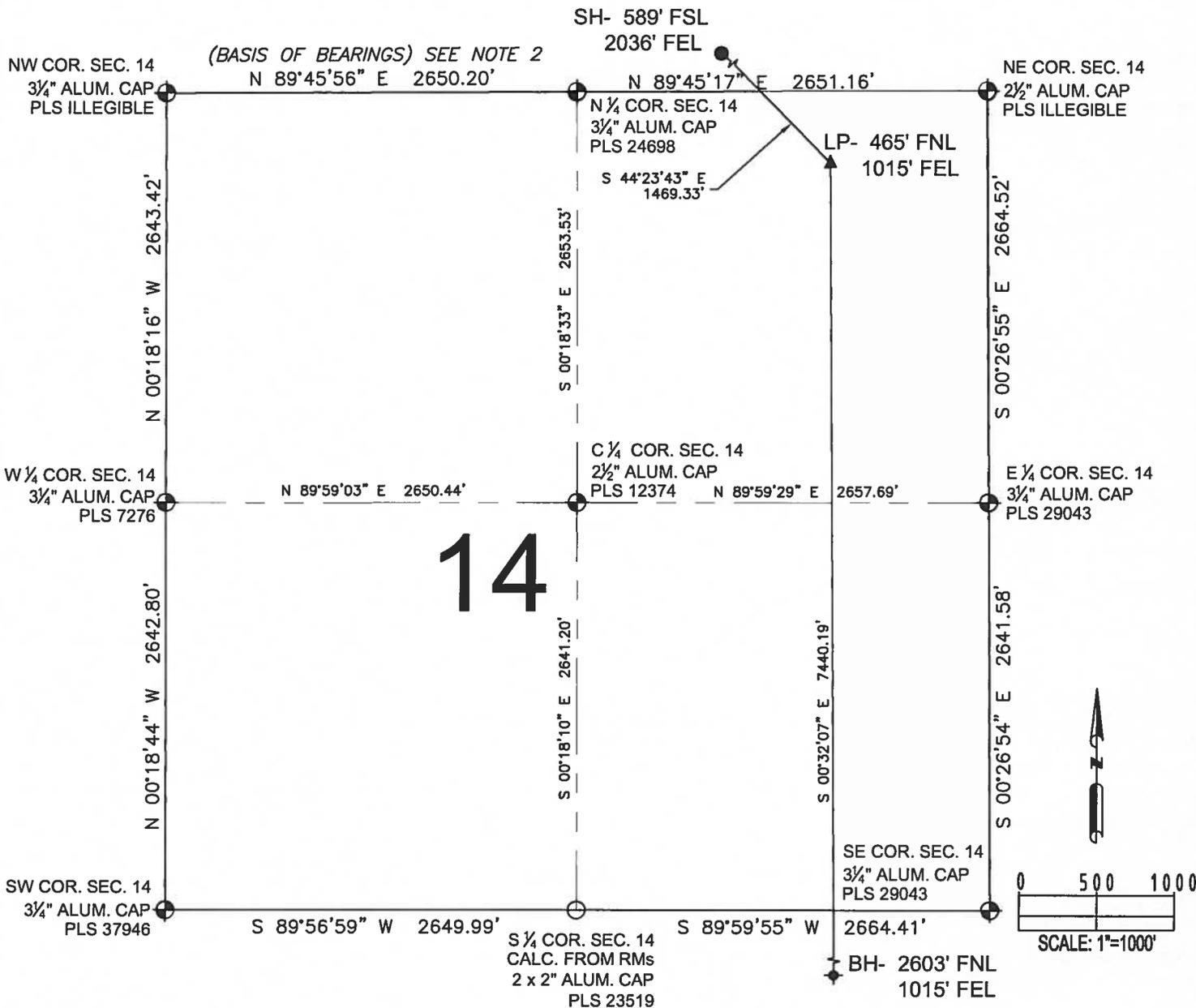
JACOB S. FRISCH, PLS 38149
DATE: 03-02-15 JOB NO. B15.SRC.0001
FOR AND ON BEHALF OF P.F.S., LLC

SCALE: 1"=1000'

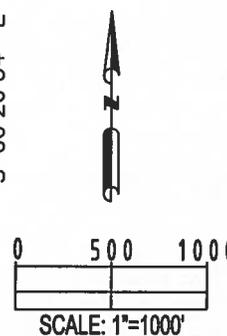
NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

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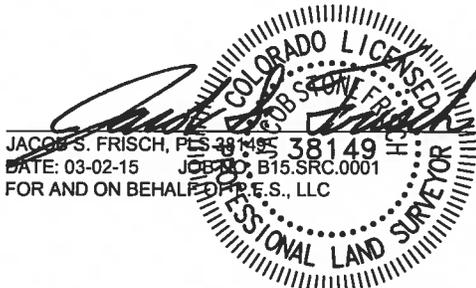
IVEY M-14-23HC WELL LOCATION CERTIFICATE



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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	WELL NAME: IVEY M-14-23HC	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	

IVEY M-14-23HC WELL LOCATION CERTIFICATE

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

LP- 465' FNL
1015' FEL

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

N 89°56'59" E 2649.99'

N 89°59'55" E 2664.41'

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 7440.19'

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- 2603' FNL
1015' 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'

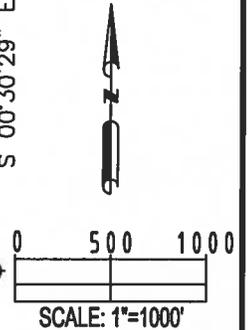
SW COR. SEC. 23
¾" ALUM. CAP
PLS 13155

N 89°49'41" W 2648.40'

N 89°32'56" W 2648.84'

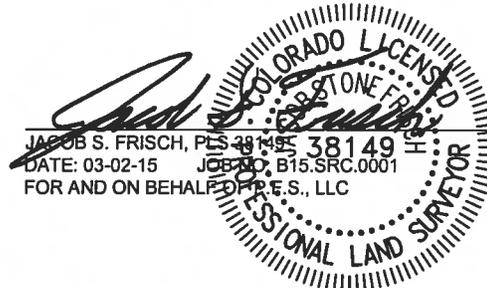
SE COR. SEC. 23
½" ALUM. CAP
PLS 10717

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



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SHEET 3 OF 3

PREPARED BY: <small>Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221</small>	FIELD DATE: 05-07-14	WELL NAME: IVEY M-14-23HC	PREPARED FOR:	
	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		