

# IVEY M-11-2HC WELL LOCATION CERTIFICATE

NW COR. SEC. 11 (BASIS OF BEARINGS) SEE NOTE 2

3/4" ALUM. CAP  
PLS 34977

N 89°27'37" E 2658.83'

N 89°47'49" E 2643.20'

BH- 465' FNL  
1015' FEL

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= 5106'  
NAD83  
LATITUDE= 39.975251°  
LONGITUDE= 104.965359°

LANDING POINT LOCATION  
NAD83  
LATITUDE= 39.976920°  
LONGITUDE= 104.963044°

BOTTOM HOLE LOCATION  
NAD83  
LATITUDE= 39.999052°  
LONGITUDE= 104.962946°

N 00°22'17" W 2645.75'

S 00°07'48" E 2655.90'

N 00°09'07" W 8061.96'

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'

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

N 89°40'38" E 2654.17'

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

# 11

LP- 1785' FSL  
1015' FEL

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

PDOP= 1.6  
GPS OPERATOR: ALAN HNIZDO

IVEY M-11-2HC

S 00°25'50" E 2646.16'

N 46°28'59" E  
889.21'

1664'

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'

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

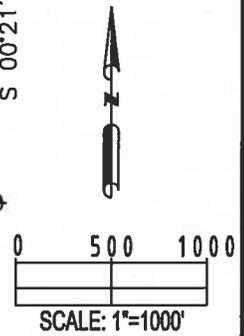
**NOTES:**

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 NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 11, TOWNSHIP 1 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO AS BEARING N89°27'37"E 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.

**WELL IVEY M-11-2HC TO BE  
LOCATED 1176' FSL AND 1664' 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.

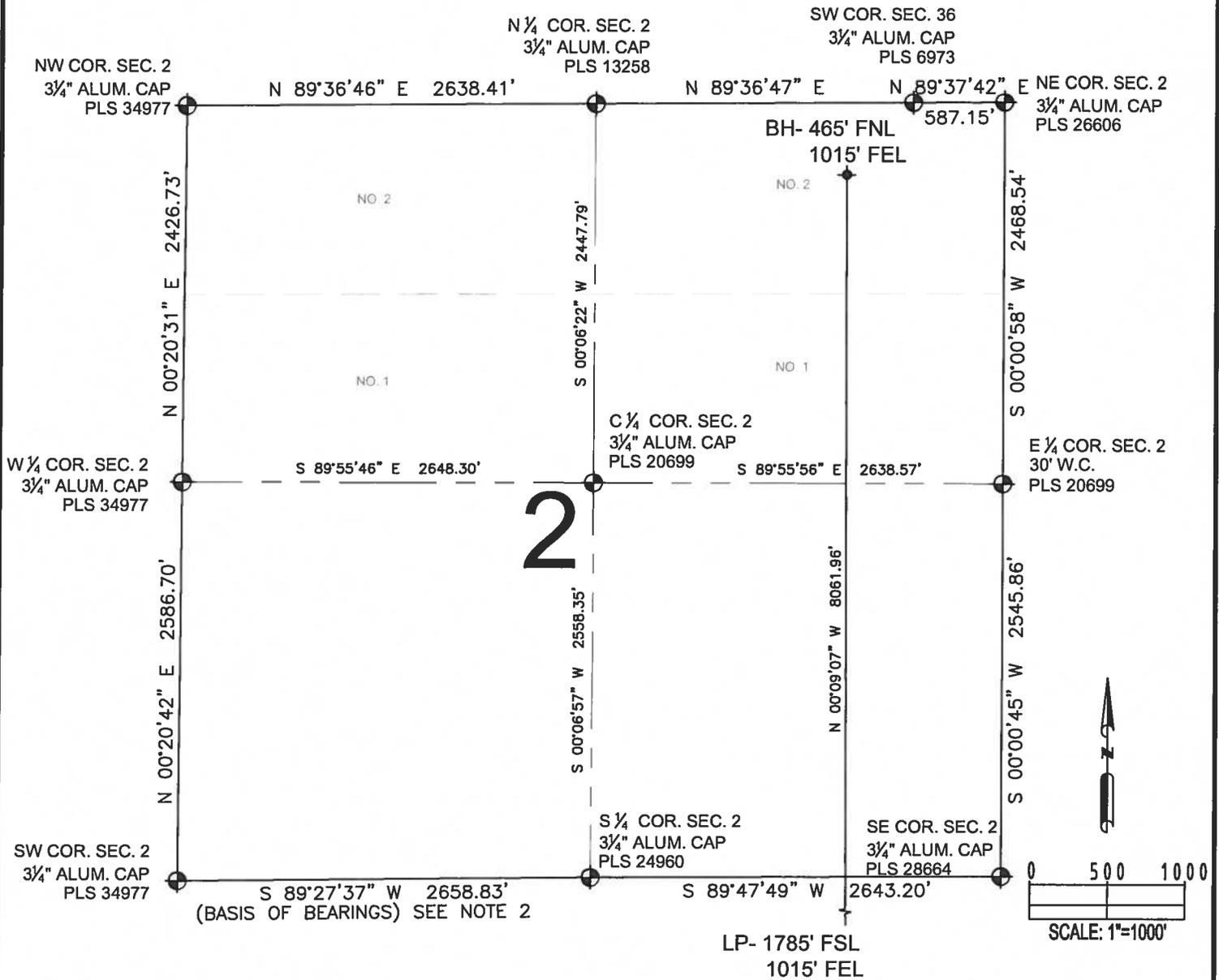
JACOB S. FRISCH, PLS 38149 H  
DATE: 03-04-15 JOB NO. B15.SRC.0001  
FOR AND ON BEHALF OF P.F.S., LLC



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:  	FIELD DATE: 06-03-14	WELL NAME: IVEY M-11-2HC	PREPARED FOR:  
	DRAWING DATE: 02-27-15	SURFACE LOCATION: SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M. ADAMS COUNTY, COLORADO	
BY: DRF	CHECKED BY: CSG		

# IVEY M-11-2HC WELL LOCATION CERTIFICATE



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JACOB S. FRISCH, PLS 38149  
 DATE: 03-04-15 JOB NO. B15.SRC.0001  
 FOR AND ON BEHALF OF P.F.S., LLC  
 PROFESSIONAL LAND SURVEYOR

SHEET 2 OF 2

PREPARED BY:  PFS Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 06-03-14 DRAWING DATE: 02-27-15 BY: DRF CHECKED BY: CSG	WELL NAME: IVEY M-11-2HC SURFACE LOCATION: SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M. ADAMS COUNTY, COLORADO	PREPARED FOR:  SYNERGY RESOURCES CORPORATION
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