

# IVEY O-11-2HN WELL LOCATION CERTIFICATE

NW COR. SEC. 11 (BASIS OF BEARINGS) SEE NOTE 2  
 3/4" ALUM. CAP PLS 34977

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

BH- 465' FNL  
 520' FEL

N 00°22'17" W 2645.75'

SURFACE LOCATION  
 GROUND ELEVATION= 5106'  
 NAD83  
 LATITUDE= 39.975250°  
 LONGITUDE= 104.965252°

LANDING POINT LOCATION  
 NAD83  
 LATITUDE= 39.976918°  
 LONGITUDE= 104.961278°

BOTTOM HOLE LOCATION  
 NAD83  
 LATITUDE= 39.999053°  
 LONGITUDE= 104.961179°

S 00°07'48" E 2655.90'

N 00°09'07" W 8063.17'

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

N 00°22'30" W 2642.13'

**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 HNZDO

S 00°25'50" E 2646.16'

IVEY O-11-2HN

LP- 1785' FSL  
 520' FEL

N 61°02'17" E  
 1268.69'

1634'

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

N 00°22'30" W 2642.13'

S 89°45'56" W 2650.20'

S 89°45'17" W 2651.16'

S 00°21'55" E 2649.74'

**LEGEND**

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

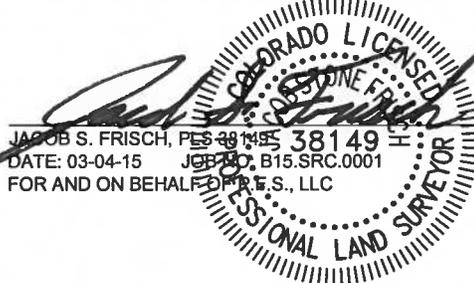
**WELL IVEY O-11-2HN TO BE  
 LOCATED 1175' FSL AND 1634' FEL**

**NOTES:**

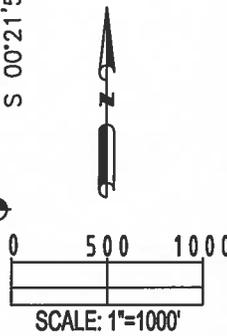
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS ARE BASED UPON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 11, TOWNSHIP 1 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO AS BEARING N89°27'37"E BETWEEN THE MONUMENTS 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.

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.

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.



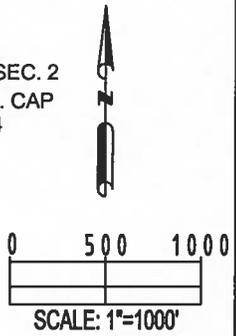
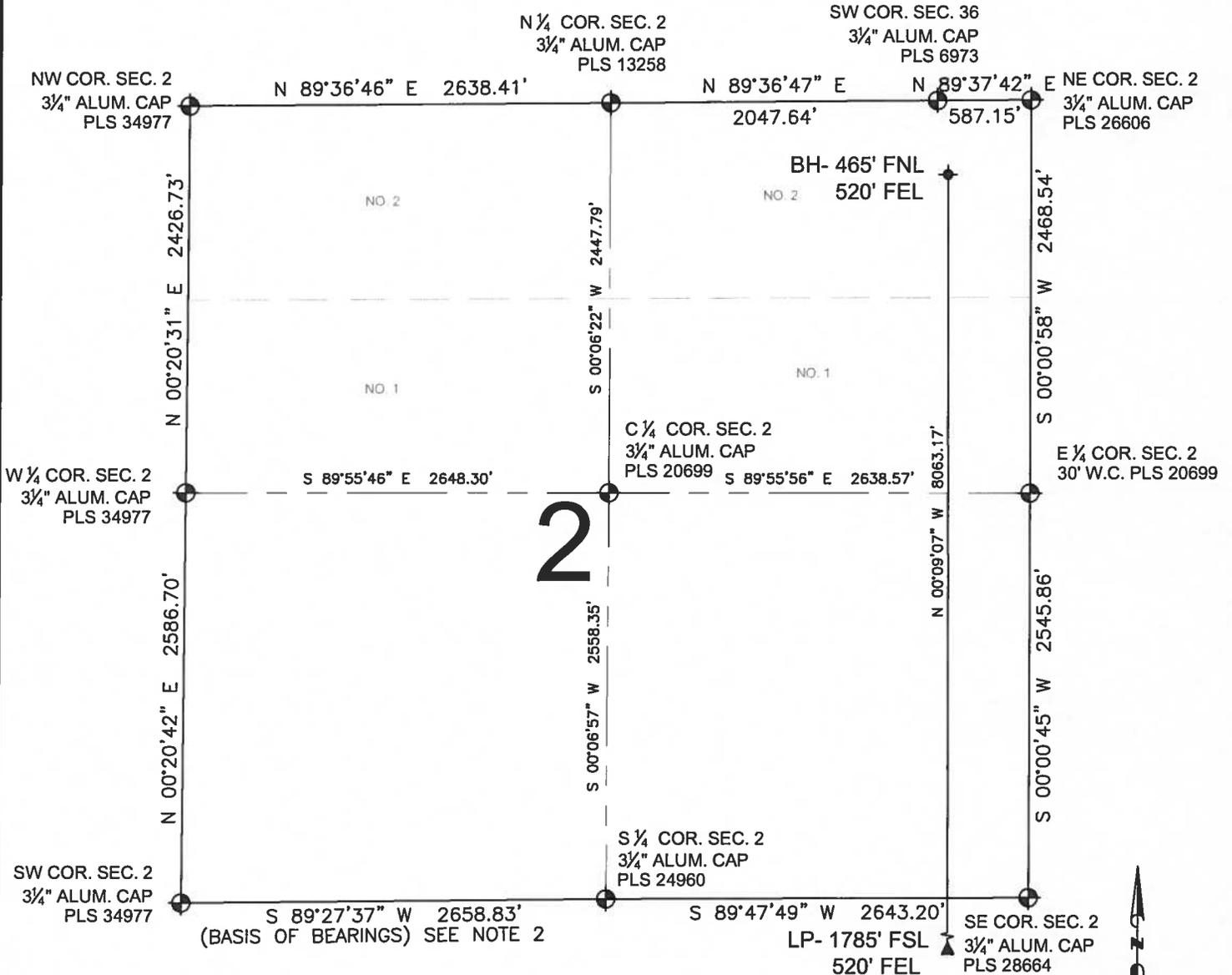
JACOB S. FRISCH, PLS 38149  
 DATE: 03-04-15 JOB NO. B15.SRC.0001  
 FOR AND ON BEHALF OF P.F.E.S., LLC



SHEET 1 OF 2

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

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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

SHEET 2 OF 2

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