WELL LOCATION CERTIFICATE: VIPER PYRO 26C-14HZ
SECTION 15, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.

NW COR. SEC. 15
2" BRASS CAP
PLS 10915

S 89°21'41" E 2610.73'

S 89°21'16" E 2610.08'

NE COR. SEC. 15
1½" BRASS CAP
PSC

N ¼ COR. SEC. 15
3¾" ALUM. CAP
PLS 13258

N 87°05'16" E 10170'
(TRUE N 87°29'05" E)

BH-50' FNL
1' FEL

710'

2643.18'

265'

VIPER PYRO
26C-14HZ

N 00°43'57" W

2641.60'

S 00°40'42" E

2639.38'

S 00°29'43" E

W ¼ COR. SEC. 15
2½" ALUM. CAP
PLS 24305

S 89°23'41" E 2608.19'

S 89°23'58" E 2601.60'

E ¼ COR. SEC. 15
3¾" BRASS CAP
ILLEGIBLE

C ¼ COR. SEC. 15
2½" ALUM. CAP
PLS 30462

15

2630.29'

N 01°03'07" W

SURFACE LOCATION
GROUND ELEVATION= 4794'
NAD83
LATITUDE= 40.230991°
LONGITUDE= 104.885297°

LATITUDE= 40°13'51.568"
LONGITUDE= 104°53'07.071"

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.232211°
LONGITUDE= 104.848906°

LATITUDE= 40°13'55.958"
LONGITUDE= 104°50'56.063"

2628.03'

S 00°41'11" E

NOTES:
BH LOCATION PROVIDED BY CLIENT.
SEE ATTACHED MAP FOR ADDITIONAL
  IMPROVEMENTS WITHIN 500'.

PDOP= 2.1
GPS OPERATOR: BART PFEIFER

2639.28'

S 00°30'02" E (BASIS OF BEARINGS) SEE NOTE 2

S ¼ COR. SEC. 15
3¾" ALUM. CAP
PLS 13155

SW COR. SEC. 15
3¾" ALUM. CAP
PLS 13155

N 89°26'07" W 2591.37'

N 89°08'50" W 2593.32'

SE COR. SEC. 15
2½" ALUM. CAP
ILLEGIBLE

WELL VIPER PYRO 26C-14HZ TO BE LOCATED 710' FNL AND 265' FWL

0   500   1000
SCALE: 1"= 1000'

LEGEND

⬢ = EXISTING MONUMENT   ✦ = BOTTOM HOLE
● = PROPOSED WELL   ◆ = EXISTING WELL
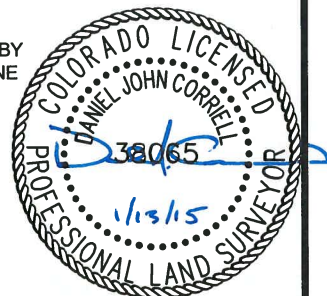BH = BOTTOM HOLE   ○ = CALCULATED POSITION

NOTES:
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM
   STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND
   BASED ON THE COLORADO STATE PLANE COORDINATE
   SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED
   HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS
   DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD,
   WITH TIES TO WELLS MEASURED PERPENDICULAR TO
   SECTION LINES.
4. ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD
   BE CONSIDERED SCALED AND ONLY REPRESENT A
   GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF
   SAID LINE.

I, DANIEL JOHN CORRIELL, A LICENSED PROFESSIONAL LAND
SURVEYOR IN THE STATE OF COLORADO DO HEREBY
CERTIFY TO **KERR-MCGEE OIL & GAS ONSHORE LP** ,
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.

DANIEL JOHN CORRIELL, PLS 38065
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
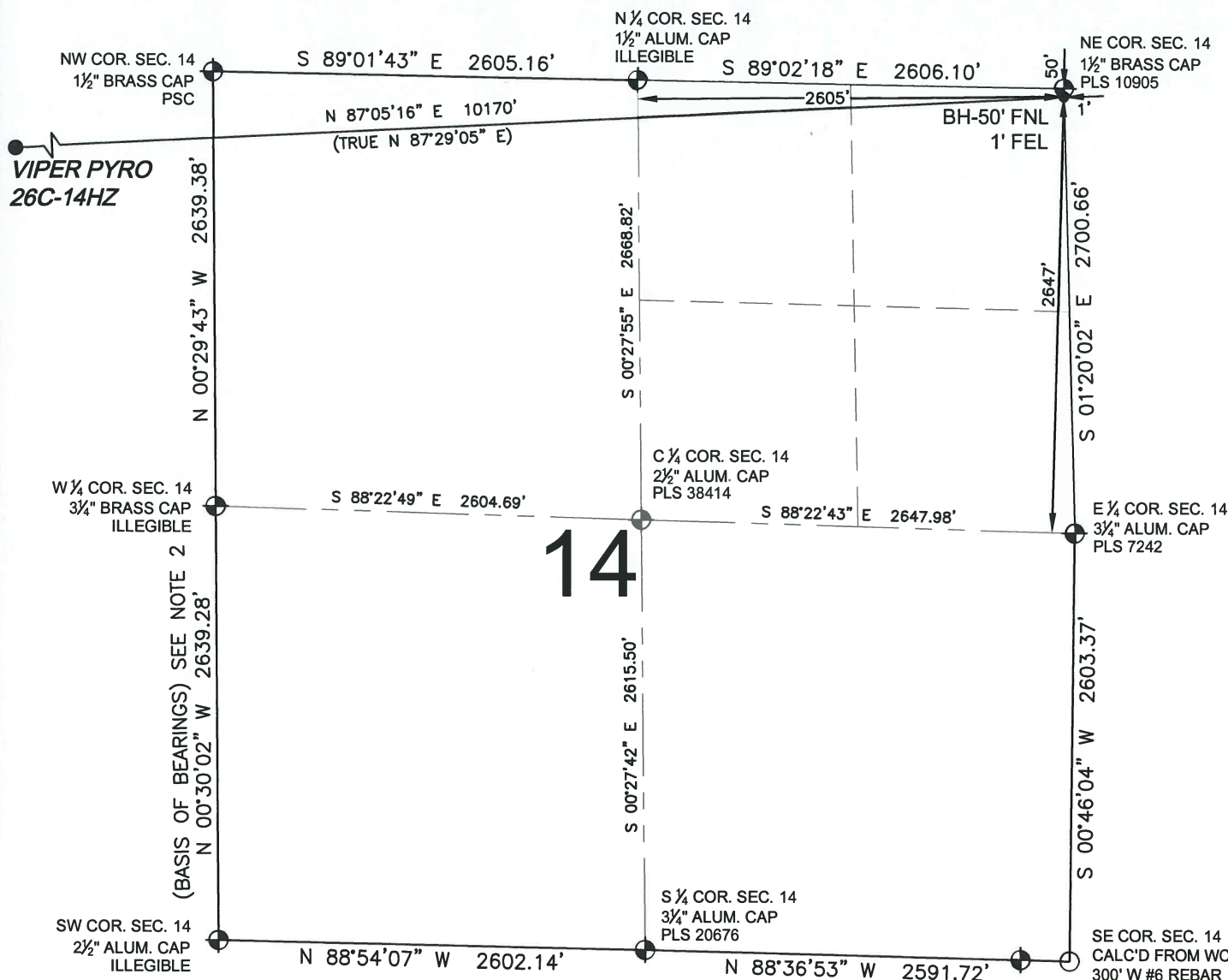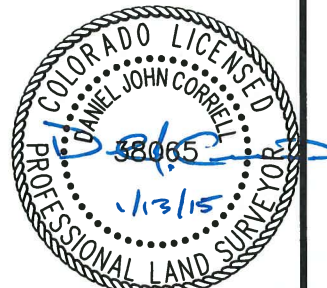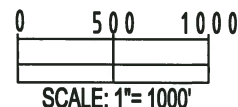FOR AND ON BEHALF OF P.F.S., LLC

SHEET 1 OF 2

COLORADO LICENSED
DANIEL JOHN CORRIELL
38065
PROFESSIONAL LAND SURVEYOR
1/13/15

PREPARED BY:
PFS
Petroleum Field Services, LLC
7535 Hilltop Circle
Denver, CO 80221

FIELD DATE:
09-03-14

DRAWING DATE:
01-11-15

BY: CHECKED:
SMF   ATK

SURFACE LOCATION:
NW 1/4 NW 1/4,
SEC. 15, T3N, R67W, 6TH P.M.
WELD COUNTY, COLORADO

WELL LOCATION CERTIFICATE: VIPER PYRO 26C-14HZ
SECTION 14, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.

N ¼ COR. SEC. 14
1½" ALUM. CAP
ILLEGIBLE

NW COR. SEC. 14
1½" BRASS CAP
PSC

NE COR. SEC. 14
1½" BRASS CAP
PLS 10905

S 89°01'43" E   2605.16'

S 89°02'18" E   2606.10'

2605'

50'

1'

VIPER PYRO
26C-14HZ

N 87°05'16" E   10170'
(TRUE N 87°29'05" E)

BH-50' FNL
1' FEL

N 00°29'43" W   2639.38'

S 00°27'55" E   2668.82'

S 01°20'02" E   2700.66'

2647'

C ¼ COR. SEC. 14
2½" ALUM. CAP
PLS 38414

W ¼ COR. SEC. 14
3¼" BRASS CAP
ILLEGIBLE

S 88°22'49" E   2604.69'

S 88°22'43" E   2647.98'

E ¼ COR. SEC. 14
3¼" ALUM. CAP
PLS 7242

(BASIS OF BEARINGS) SEE NOTE 2
N 00°30'02" W   2639.28'

14

S 00°27'42" E   2615.50'

S 00°46'04" W   2603.37'

SW COR. SEC. 14
2½" ALUM. CAP
ILLEGIBLE

S ¼ COR. SEC. 14
3¼" ALUM. CAP
PLS 20676

SE COR. SEC. 14
CALC'D FROM WC
300' W #6 REBAR

N 88°54'07" W   2602.14'

N 88°36'53" W   2591.72'

LEGEND

- ⊕ = EXISTING MONUMENT
- ● = PROPOSED WELL
- BH = BOTTOM HOLE
- ◆ = BOTTOM HOLE
- ◆ = EXISTING WELL
- ○ = CALCULATED POSITION

0   500   1000

SCALE: 1"= 1000'

NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.
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SHEET 2 OF 2

DANIEL JOHN CORRIELL, PLS 38065
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

COLORADO LICENSED
DANIEL JOHN CORRIELL
38065
1/13/15
PROFESSIONAL LAND SURVEYOR