

# WELL LOCATION CERTIFICATE: SHURVIEW 33C-3HZ

SECTION 3, TOWNSHIP 5 NORTH, RANGE 67 WEST, 6TH P.M.

NE SEC. 3  
3" BRASS CAP  
ILLEGIBLE

N ¼ SEC. 3  
¾" ALUM. CAP  
PLS 20685

N 84°15'58" E 2923.29'

N 84°19'24" E 2953.23'

NW SEC. 3  
¾" ALUM. CAP  
PLS 22098

SURFACE LOCATION  
GROUND ELEVATION= 4888'  
NAD83  
LATITUDE= 40.426836°  
LONGITUDE= 104.872900°

LATITUDE= 40°25'36.611"  
LONGITUDE= 104°52'22.439"

BOTTOM HOLE LOCATION  
NAD83  
LATITUDE= 40.424250°  
LONGITUDE= 104.886315°

LATITUDE= 40°25'27.300"  
LONGITUDE= 104°53'10.735"

NOTES:  
BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE-RANGELAND  
EXISTING WELL HSR-KNOX 9-3 IS 60' SE  
NO OTHER VISIBLE IMPROVEMENTS  
WITHIN 200'.

PDOP= 1.8  
GPS OPERATOR: OWEN MCKEE

N 06°48'44" E 2832.16' (C)

3

N 86°29'55" E 2741.30' (C)

E ¼ SEC. 3  
¾" ALUM. CAP  
PLS 33642

W ¼ SEC. 3  
½" ALUM. CAP  
PLS 32444

N 86°29'55" E 2740.16' (C)

SHURVIEW  
33C-3HZ

1191'  
HSR-KNOX 9-3

(BASIS OF BEARINGS) SEE NOTE 3  
S 09°49'27" W 3042.20'

S ¼ SEC. 3  
½" ALUM. CAP  
PLS 32444

S 75°26'25" W 3852'  
(TRUE S 75°50'45" W)

BH-1090' FSL  
460' FWL

S ¼ SEC. 3  
½" ALUM. CAP  
ILLEGIBLE

E ¼ SEC. 3  
½" ALUM. CAP  
PLS 37881

SW SEC. 3  
½" ALUM. CAP  
PLS 25951

S 89°20'48" W 2558.36'

1279.49'

1279.29'

SE SEC. 3  
½" ALUM. CAP  
PLS 23513

WELL SHURVIEW 33C-3HZ TO BE LOCATED 2016' FSL AND 1191' FEL

## LEGEND

● = EXISTING MONUMENT    ◆ = BOTTOM HOLE  
● = PROPOSED WELL    ◆ = 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. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
3. THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
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.

0 500 1000  
SCALE: 1"=1000'



PREPARED BY:  
**PFS**  
Petroleum Field Services, LLC  
1801 W. 13th Ave.  
Denver, CO 80204

FIELD DATE:  
04-30-12  
DRAWING DATE:  
06-11-12  
BY:  
KAG  
CHECK:  
DA

SURFACE LOCATION:  
NE ¼ 1/4 SE ¼ 1/4,  
SEC. 3, T5N, R67W, 6TH P.M.  
WELD COUNTY, COLORADO