

# WELL LOCATION CERTIFICATE: CANNON 15N-3HZ

SECTION 3, TOWNSHIP 2 NORTH, RANGE 66 WEST, 6TH P.M.

NW SEC. 3  
3/4" ALUM. CAP  
PLS 13155

N 1/4 SEC. 3  
3/4" ALUM. CAP  
PLS 13155

NE SEC. 3  
2 1/2" ALUM. CAP  
PLS 19585

N 88°59'30" E 2649.12' N 88°58'47" E 2648.84'

CANNON 15N-3HZ

NOTES:  
BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE-RANGELAND  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 400'.

PDOP= 1.6  
GPS OPERATOR: OWEN MCKEE

W 1/4 SEC. 3  
1 1/2" BRASS CAP  
PSC ROW

N 89°41'20" E (C)  
2639.07'

E 1/4 SEC. 3  
3/4" ALUM. CAP  
PLS 17508

N 88°48'02" E (C)  
2658.84'

SURFACE LOCATION  
GROUND ELEVATION= 5022'  
NAD83  
LATITUDE= 40.173016°  
LONGITUDE= 104.757009°

LATITUDE= 40°10'22.857"  
LONGITUDE= 104°45'25.231"

BOTTOM HOLE LOCATION  
NAD83  
LATITUDE= 40.161182°  
LONGITUDE= 104.760358°

LATITUDE= 40°09'40.256"  
LONGITUDE= 104°45'37.288"

SW SEC. 3  
W.C. 115.89' WEST  
LS 13155

S 88°52'48" W 5337.16'

SE SEC. 3  
3/4" ALUM. CAP  
PLS 13155

WELL CANNON 15N-3HZ TO BE LOCATED 516' FNL AND 904' FEL

## LEGEND

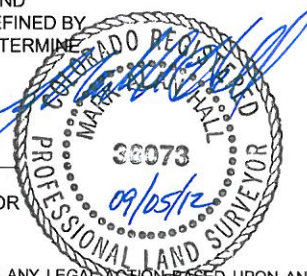
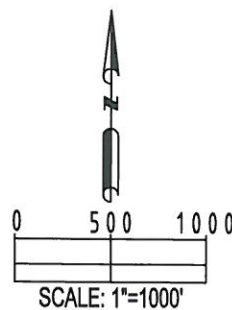
● = EXISTING MONUMENT    ♦ = BOTTOM HOLE    BH = BOTTOM HOLE  
● = PROPOSED WELL    ♦ = EXISTING WELL    ⊕ = CORNER NO MONUMENT

## 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 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



PREPARED BY:	FIELD DATE: 07-12-12	SURFACE LOCATION: NE 1/4 NE 1/4, SEC. 3, T2N, R66W, 6TH P.M.
BY:	DRAWING DATE: 09-04-12	WELD COUNTY, COLORADO
WCL	CHECKED: TJN	

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.