

WELL LOCATION CERTIFICATE: DECHANT 13N-1HZ

SECTION 36, TOWNSHIP 3 NORTH, RANGE 65 WEST, 6TH P.M.

NW SEC. 36
3 1/2" ALUM. CAP
LS 7242

N 88°30'57" E 2580.61'

N 89°30'36" E 2714.66'

NE SEC. 36
3 1/4" ALUM. CAP
LS 20327

N 1/4 SEC. 36
2 1/2" ALUM. CAP
LS 34980

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

PDOP= 1.8
GPS OPERATOR: CHRIS BOUB

(BASIS OF BEARINGS) SEE NOTE 3
N 00°30'59" W 5276.33'

S 00°21'19" E 5289.90'

36

SURFACE LOCATION
GROUND ELEVATION= 4827'
NAD83
LATITUDE= 40.174996°
LONGITUDE= 104.617015°

LATITUDE= 40°10'29.985"
LONGITUDE= 104°37'01.253"

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.161614°
LONGITUDE= 104.619497°

LATITUDE= 40°09'41.810"
LONGITUDE= 104°37'10.189"

DECHANT
13N-1HZ

SW SEC. 36
3 1/2" ALUM. CAP
LS 13155

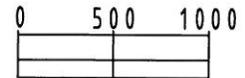
1333'
250'
S 07°31'46" W 4924'
(TRUE S 08°05'59" W)

S 89°10'16" W 5280.13'

SE SEC. 36
3 1/4" ALUM. CAP
LS 13155

WELL DECHANT 13N-1HZ TO BE LOCATED
250' FSL AND 1333' FWL

BH- 460' FSL
513' FWL



SCALE: 1"=1000'

LEGEND

- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ⊖ = BOTTOM HOLE
- ◆ = EXISTING WELL
- BH = BOTTOM HOLE

NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, L. KELLEY STEVENSON, 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.

L. KELLEY STEVENSON, PLS 38231
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

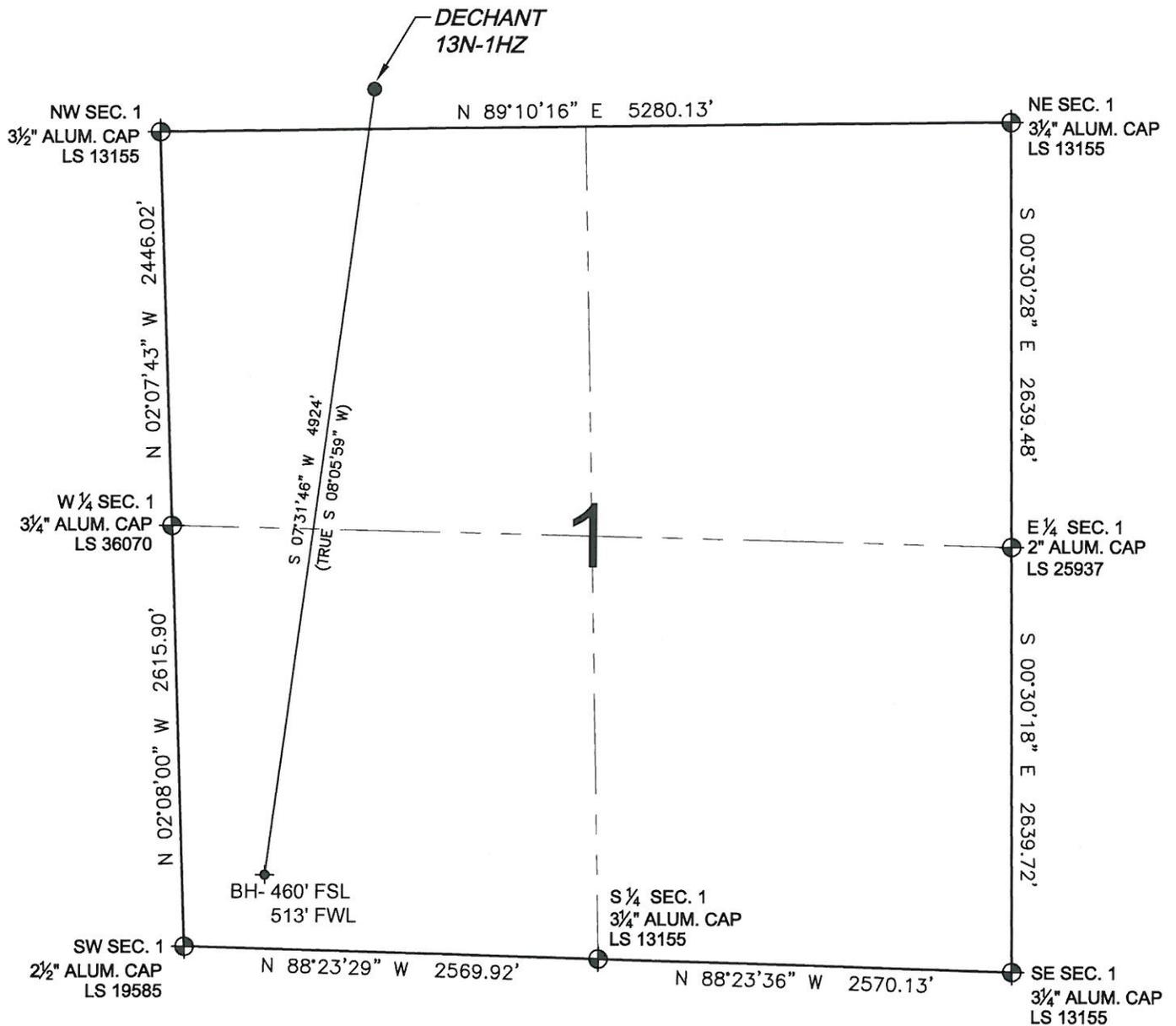


SHEET 1 OF 2

PREPARED BY: Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 01-26-12	SURFACE LOCATION:
	DRAWING DATE: 02-03-12	SE 1/4 SW 1/4, SEC. 36, T3N, R65W, 6TH P.M.
	BY: SMF	WELD COUNTY, COLORADO

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.

WELL LOCATION CERTIFICATE: DECHANT 13N-1HZ

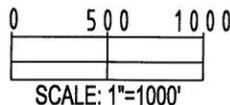


LEGEND

- ⊙ = EXISTING MONUMENT
- ⬤ = PROPOSED WELL
- ⬥ = EXISTING WELL
- ⬧ = BOTTOM HOLE
- 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.



L. KELLEY STEVENSON, P.L.S. No. 38231
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

SHEET 2 OF 2

PREPARED BY: 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 01-26-12	SURFACE LOCATION: SE 1/4 SW 1/4,
	DRAWING DATE: 02-03-12	SEC. 36, T3N, R65W, 6TH P.M.
	BY: SMF	WELD COUNTY, COLORADO

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.