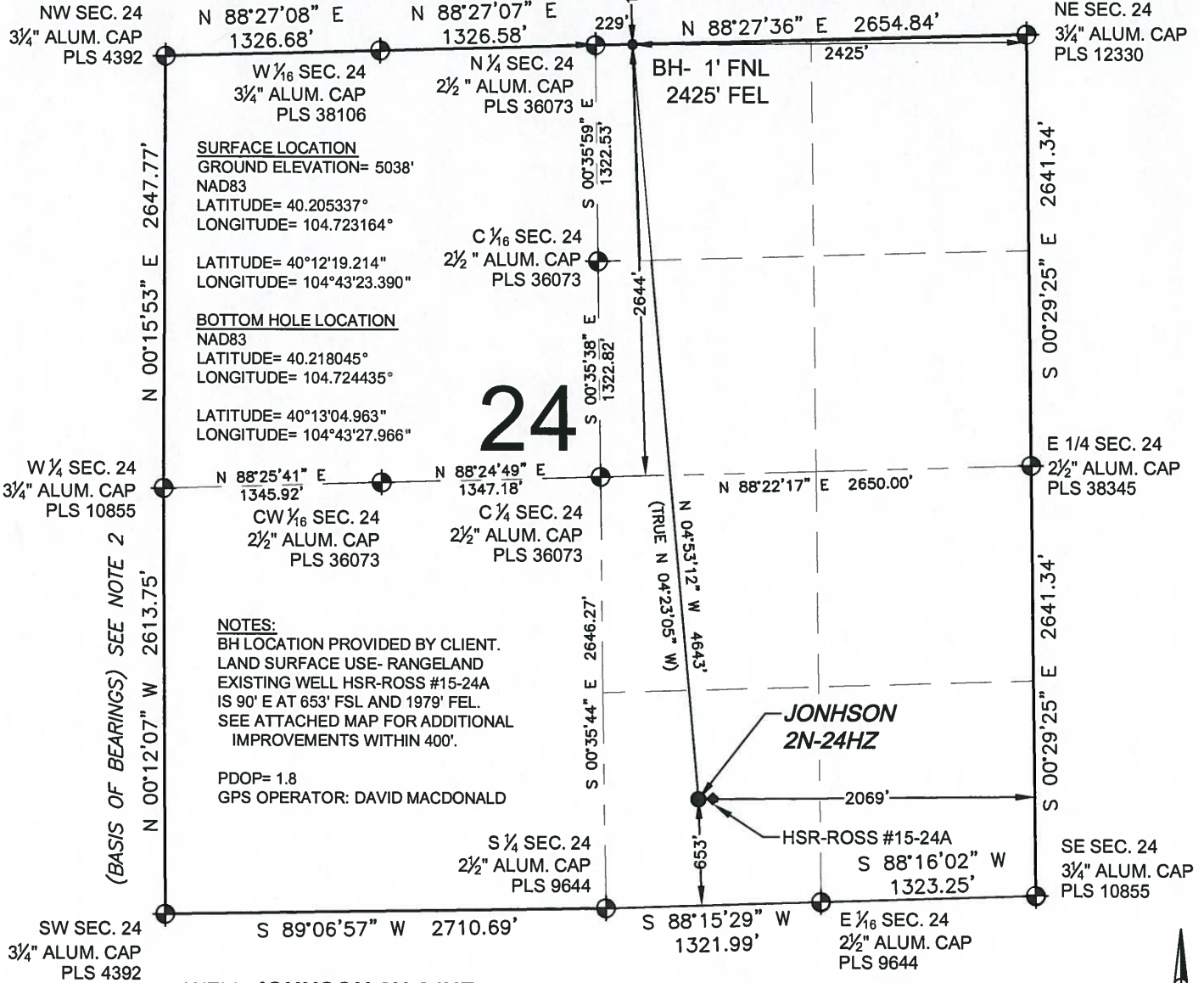


# WELL LOCATION CERTIFICATE: JOHNSON 2N-24HZ

SECTION 24, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



- NOTES:**
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
  - 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.
  - GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, BRADLEY L. LAMAN, 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.

BRADLEY L. LAMAN, PLS 38345  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

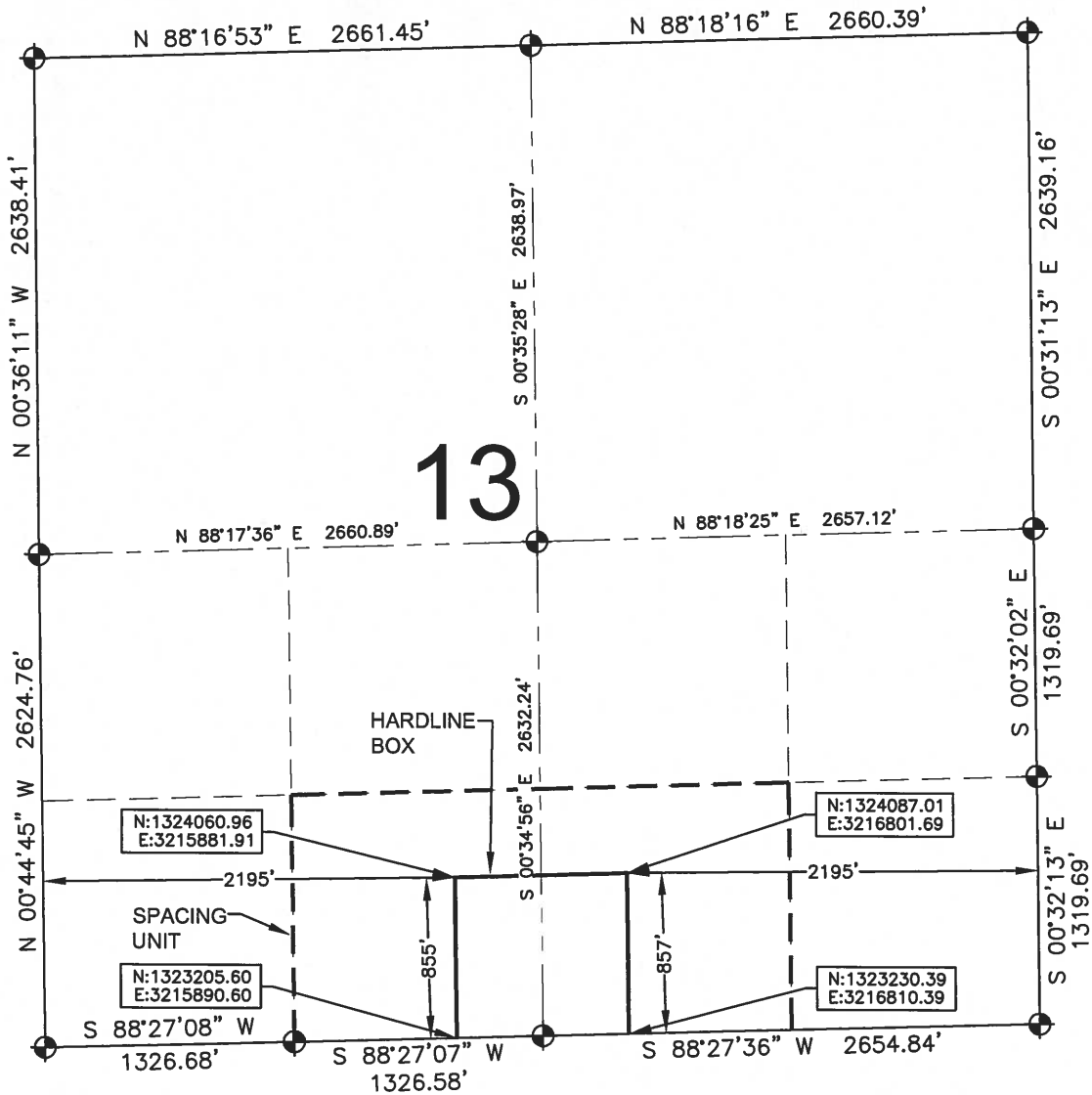


|  |   |  |
|--|---|--|
| PREPARED BY:<br><b>PFS</b><br>Petroleum Field Services, LLC<br>1801 W. 13th Ave.<br>Denver, CO 80204 | FIELD DATE:<br>08-22-12<br>DRAWING DATE:<br>09-16-13<br>BY:<br>CPO<br>CHECKED:<br>JAH | SURFACE LOCATION:<br>SW 1/4 SE 1/4,<br>SEC. 24, T3N, R66W, 6TH P.M.<br>WELD COUNTY, 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.

# HARDLINE EXHIBIT: JOHNSON 2N-24HZ

SECTION 13, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



## LEGEND

- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED HEEL
- ⚬ = BOTTOM HOLE
- BH = BOTTOM HOLE

## HEEL LOCATION

NAD83  
 LATITUDE= 40.202535°  
 LONGITUDE= 104.724437°

LATITUDE= 40°12'09.127"  
 LONGITUDE= 104°43'27.972"

## BOTTOM HOLE LOCATION

NAD83  
 LATITUDE= 40.218045°  
 LONGITUDE= 104.724435°

LATITUDE= 40°13'04.963"  
 LONGITUDE= 104°43'27.966"

## QRT/QRT SECTIONS WITHIN PATH OF THE HARDLINE.

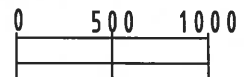
SWSE, SEC. 13  
 SESW, SEC. 13

## AVAILABLE FOOTAGE

6990'

## NOTES:

- THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT. THIS DOCUMENT DOES NOT REFLECT A FIELD SURVEY. SECTION BREAKDOWN, MONUMENTATION AND HORIZONTAL POSITIONS SHOWN ARE BASED ON THE HEEL AND BOTTOM HOLE LOCATION PROVIDED BY ANADARKO PETROLEUM CORPORATION



SCALE: 1"=1000'

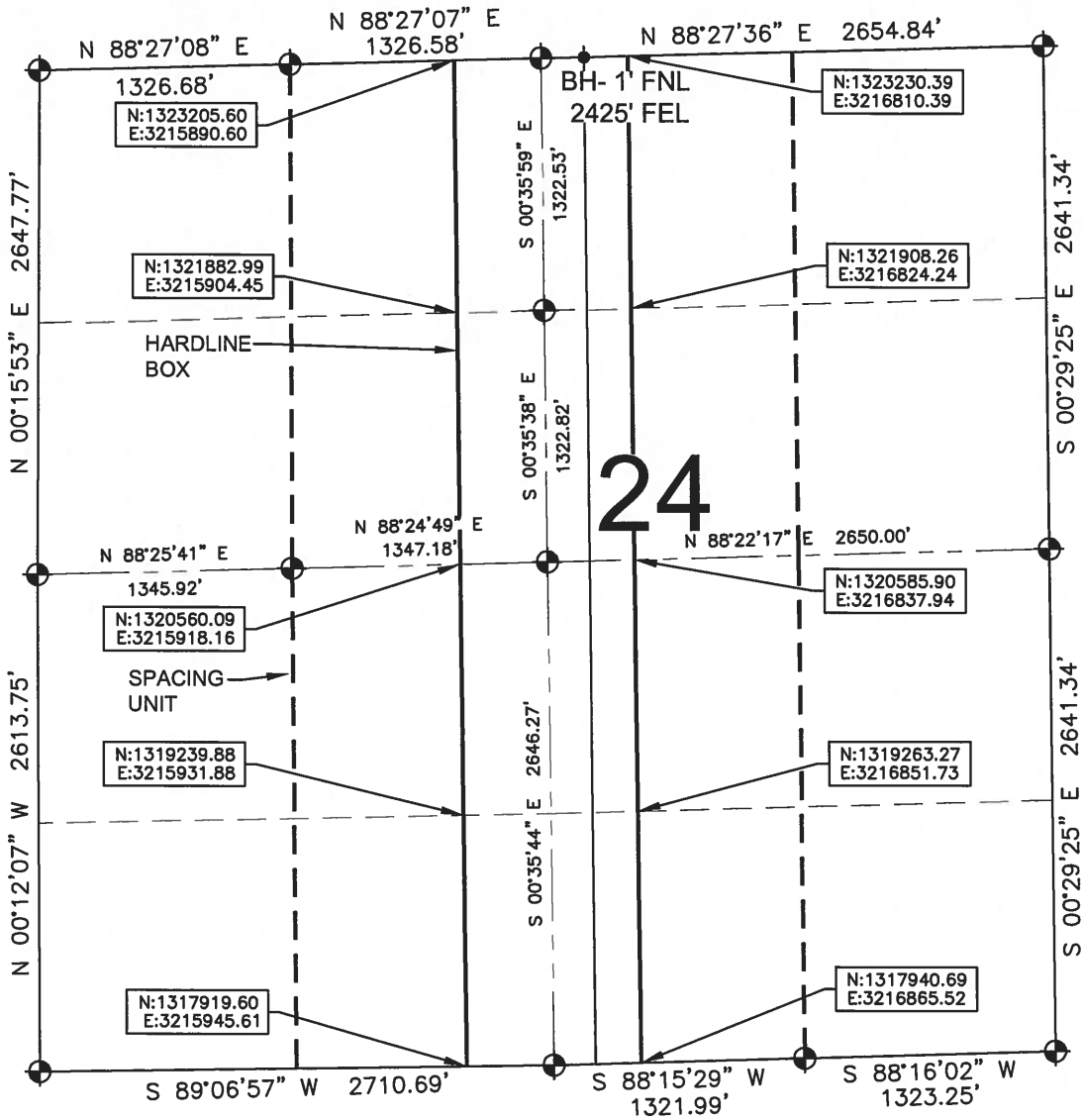
SHEET 1 OF 3

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

|                           |   |
|---------------------------|---|
| DRAWING DATE:<br>02-13-14 | HEEL LOCATION:<br>NW 1/4 NE 1/4,<br>SEC. 25, T3N, R66W, 6TH P.M.<br>WELD COUNTY, COLORADO |
| BY:<br>SMF                | CHECKED:<br>DRF   |

# HARDLINE EXHIBIT: JOHNSON 2N-24HZ

SECTION 24, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



## LEGEND

- ⊕ = EXISTING MONUMENT    ⊕ = BOTTOM HOLE
- = PROPOSED HEEL        BH = BOTTOM HOLE

## QRT/QRT SECTIONS WITHIN PATH OF THE HARDLINE.

- NWNE, SEC. 24    NENW, SEC. 24
- SWNE, SEC. 24    SENW, SEC. 24
- NWSE, SEC. 24    NESW, SEC. 24
- SWSE, SEC. 24    SESW, SEC. 24

## NOTES:

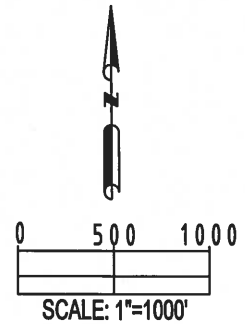
- THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT. THIS DOCUMENT DOES NOT REFLECT A FIELD SURVEY. SECTION BREAKDOWN, MONUMENTATION AND HORIZONTAL POSITIONS SHOWN ARE BASED ON THE HEEL AND BOTTOM HOLE LOCATION PROVIDED BY ANADARKO PETROLEUM CORPORATION

PREPARED BY:

PFS  
Petroleum Field Services, LLC  
7836 Hilltop Circle  
Denver, CO 80221

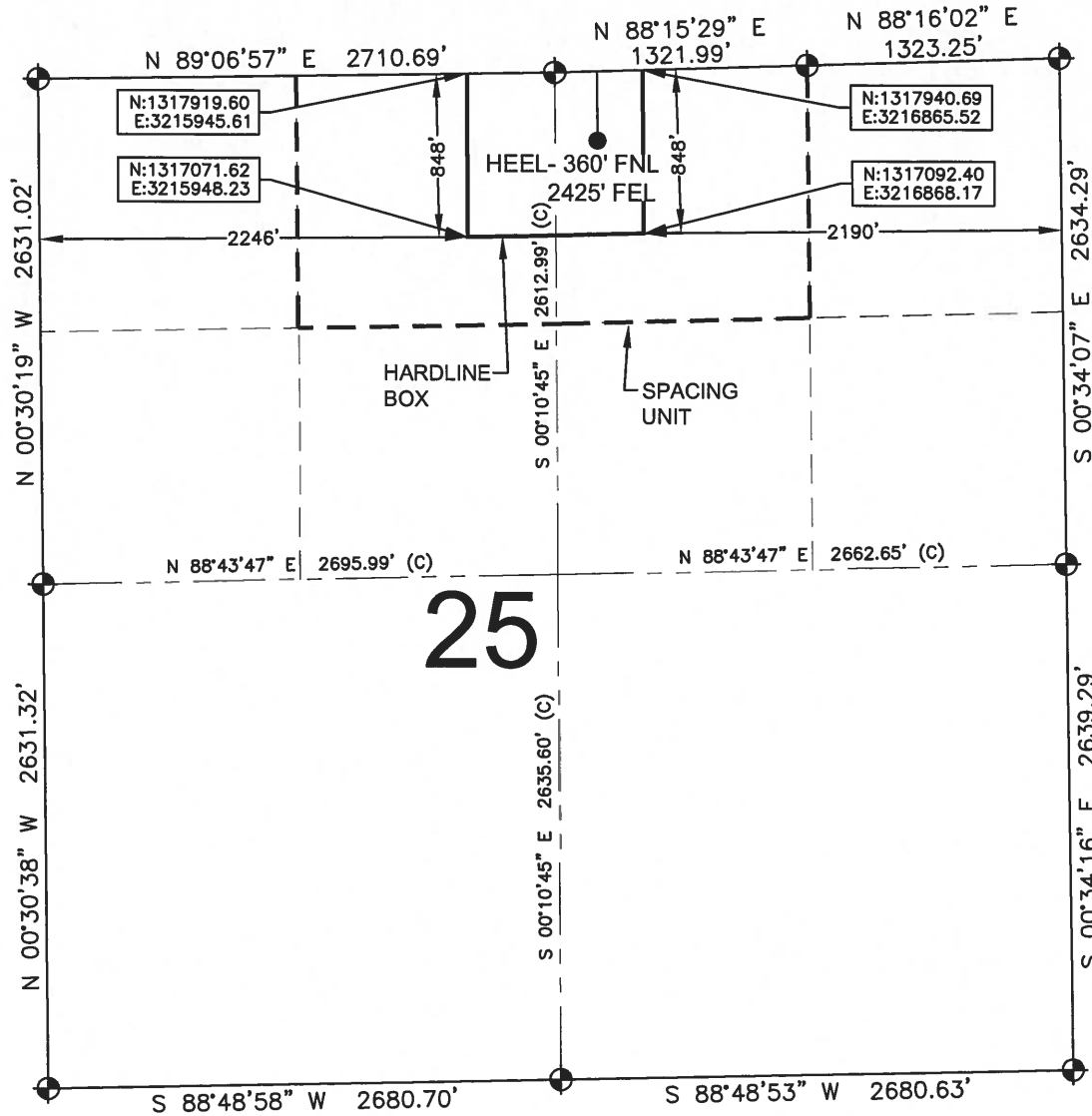
|                           |                 |  |
|---------------------------|-----------------|--|
| DRAWING DATE:<br>02-13-14 |                 | HEEL LOCATION:<br>NW 1/4 NE 1/4,<br>SEC. 25, T3N, R66W, 6TH P.M. |
| BY:<br>SMF                | CHECKED:<br>DRF | WELD COUNTY, COLORADO  |

SHEET 2 OF 3



# HARDLINE EXHIBIT: JOHNSON 2N-24HZ

SECTION 25, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



## LEGEND

- ⊕ = EXISTING MONUMENT
- ⊕ = BOTTOM HOLE
- = PROPOSED HEEL
- BH = BOTTOM HOLE

QRT/QRT SECTIONS WITHIN PATH OF THE HARDLINE.

NWNE, SEC. 25  
NENW, SEC. 25

## NOTES:

- THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT. THIS DOCUMENT DOES NOT REFLECT A FIELD SURVEY. SECTION BREAKDOWN, MONUMENTATION AND HORIZONTAL POSITIONS SHOWN ARE BASED ON THE HEEL AND BOTTOM HOLE LOCATION PROVIDED BY ANADARKO PETROLEUM CORPORATION



SHEET 3 OF 3

|                           |                 |  |
|---------------------------|-----------------|--|
| DRAWING DATE:<br>02-13-14 |                 | HEEL LOCATION:<br>NW 1/4 NE 1/4,<br>SEC. 25, T3N, R66W, 6TH P.M. |
| BY:<br>SMF                | CHECKED:<br>DRF | WELD COUNTY, COLORADO  |

