

SECTION 34, TOWNSHIP 4 NORTH, RANGE 66 WEST, 6TH P.M.



0 500 1000

SCALE: 1"=1000'

I, JERRY F. HARCEK JR., 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 PIERSON 27-34. 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.

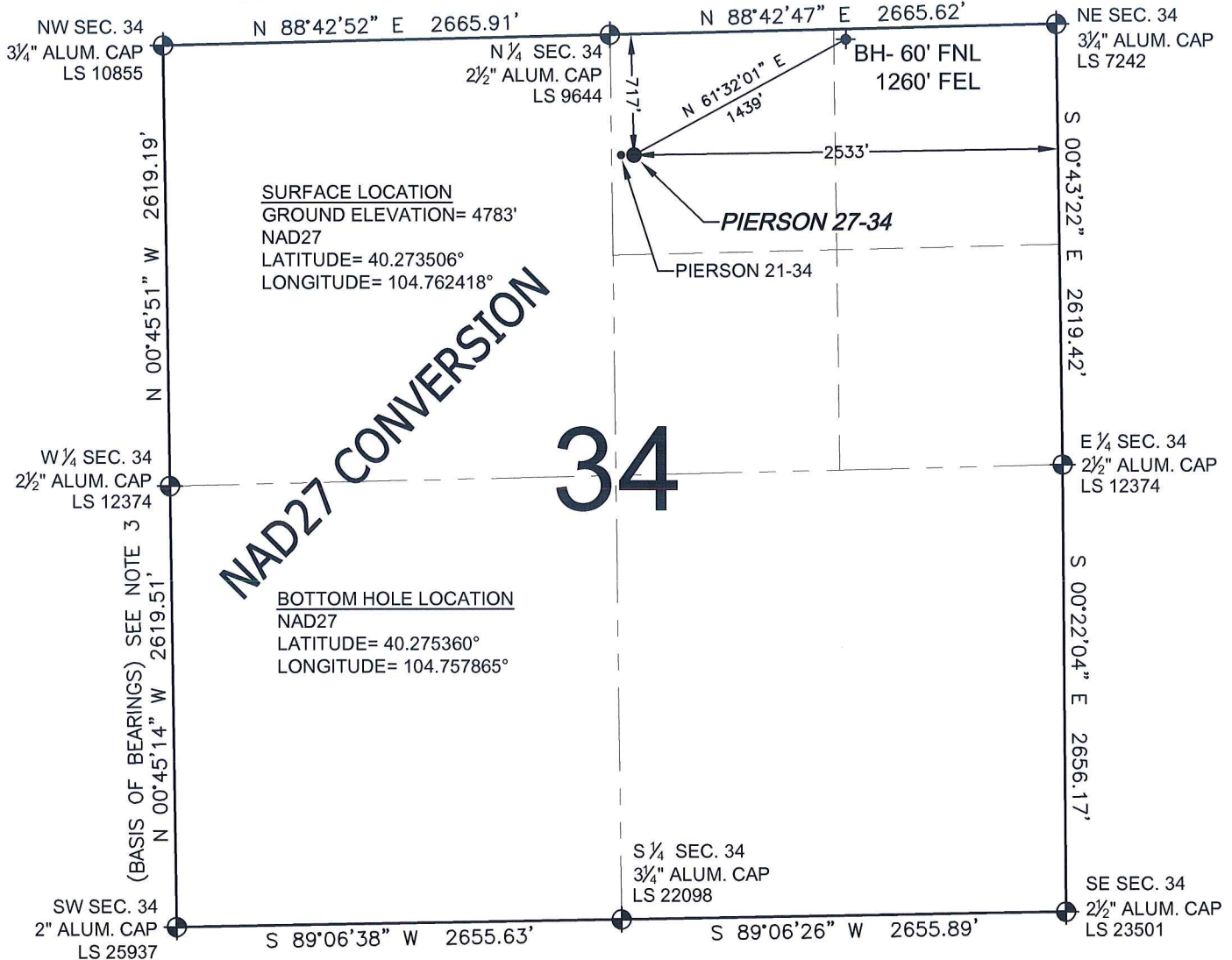
A circular professional seal for Jerry F. Harcek, Jr., a Colorado Licensed Professional Land Surveyor. The seal features the text "COLORADO LICENSED" at the top and "PROFESSIONAL LAND SURVEYOR" at the bottom. The center contains the name "JERRY F. HARCEK, JR." and the license number "34997". A blue ink signature is written across the seal, and the commission expiration date "04/09/2010" is handwritten at the bottom.

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.

FIELD DATE: 04-07-10	WELL NAME: PIERSON 27-34
DRAWING DATE: 04-08-10	SURFACE LOCATION: WELD COUNTY, COLORADO
BY: SMF	NW 1/4 NE 1/4, SEC. 34, T4N, R66W

EXHIBIT: NAD27 CONVERSION

SECTION 34, TOWNSHIP 4 NORTH, RANGE 66 WEST, 6TH P.M.



WELL PIERSON 27-34 TO BE LOCATED 717' FNL AND 2533' FEL, SECTION 34, T4N, R66W OF THE 6th P.M.

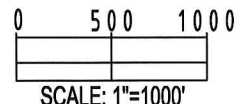
NOTES:

- THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- ELEVATIONS SHOWN AT THE WELL HEAD, AS WELL AS HORIZONTAL CONTROL, ARE BASED ON GPS-RTK VALUES DERIVED FROM DOING 2-HOUR STATIC GPS SESSIONS AND REDUCTIONS USING O.P.U.S. SOLUTIONS.
VERTICAL = NAVD88; HORIZONTAL = NAD83/92
- THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
- DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.

LEGEND

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

NOTE: LATITUDE AND LONGITUDE SHOWN WERE CONVERTED FROM NAD83 USING CORPSCON 6.0 (PROGRAM). PFS DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY.



PREPARED BY:	FIELD DATE:	WELL NAME:
PFS Petroleum Field Services, LLC 1601 W. 13th Ave. Denver, CO 80204	04-07-10	PIERSON 27-34
BY:	DRAWING DATE:	SURFACE LOCATION:
SMF	04-08-10	WELD COUNTY, COLORADO
		NW 1/4 NE 1/4, SEC. 34, T4N, R66W

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