



August 30, 2010

Department of Natural Resources
Oil and Gas Conservation Commission
The Chancery Building
1120 Lincoln St., Suite 801
Denver, CO 80203

Re: **20 Day Certification Letter - 318A-e**
PIERSON 22-34
Township 4 North, Range 66 West, Section 34: NW/4NE/4
Unit Spacing: 04N-66W-34 S/2NW/4; N/2NE/4
Weld County, Colorado

Ladies/Gentlemen:

Kerr-McGee Oil and Gas Onshore LP ("KMG") hereby certifies to the Director that a twenty (20) day notice has been given by certified mail to all owners in the proposed wellbore spacing unit. We have not received any objections to such well location, proposed spacing unit, or additional producing formation. KMG hereby requests the Director to approve the boundary well.

If you have any questions or issues regarding this permit, please contact Cheryl Light at (720) 929-6461.

Very truly yours,

Kerr-McGee Oil and Gas Onshore LP

A handwritten signature in blue ink that reads "Rebecca Heim". The signature is written in a cursive style.

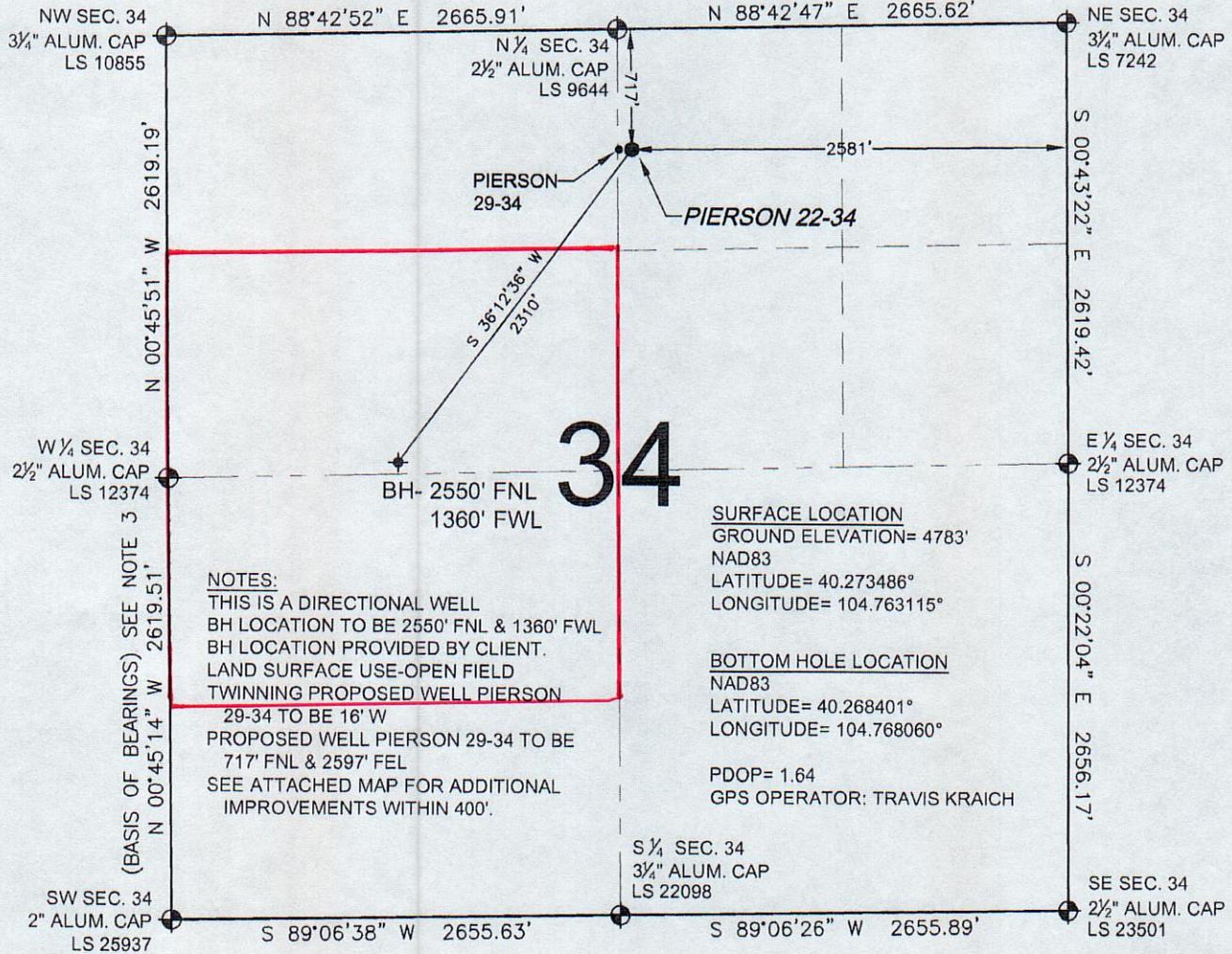
Rebecca Heim
Regulatory Analyst II

Enclosure

318A Proposed Spacing
Unit Plan

WELL LOCATION CERTIFICATE: PIERSON 22-34

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



NOTES:

THIS IS A DIRECTIONAL WELL
BH LOCATION TO BE 2550' FNL & 1360' FWL
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-OPEN FIELD
TWINNING PROPOSED WELL PIERSON
29-34 TO BE 16' W
PROPOSED WELL PIERSON 29-34 TO BE
717' FNL & 2597' FEL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

SURFACE LOCATION

GROUND ELEVATION= 4783'
NAD83
LATITUDE= 40.273486°
LONGITUDE= 104.763115°

BOTTOM HOLE LOCATION

NAD83
LATITUDE= 40.268401°
LONGITUDE= 104.768060°

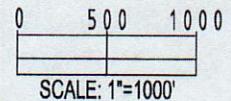
PDOP= 1.64

GPS OPERATOR: TRAVIS KRAICH

WELL **PIERSON 22-34** TO BE LOCATED 717' FNL AND 2581' FEL, SECTION 34, T4N, R66W OF THE 6th P.M.

LEGEND

- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ⬤ = BOTTOM HOLE
- ⬤ = EXISTING WELL
- BH = BOTTOM HOLE



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.

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 22-34**. 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.

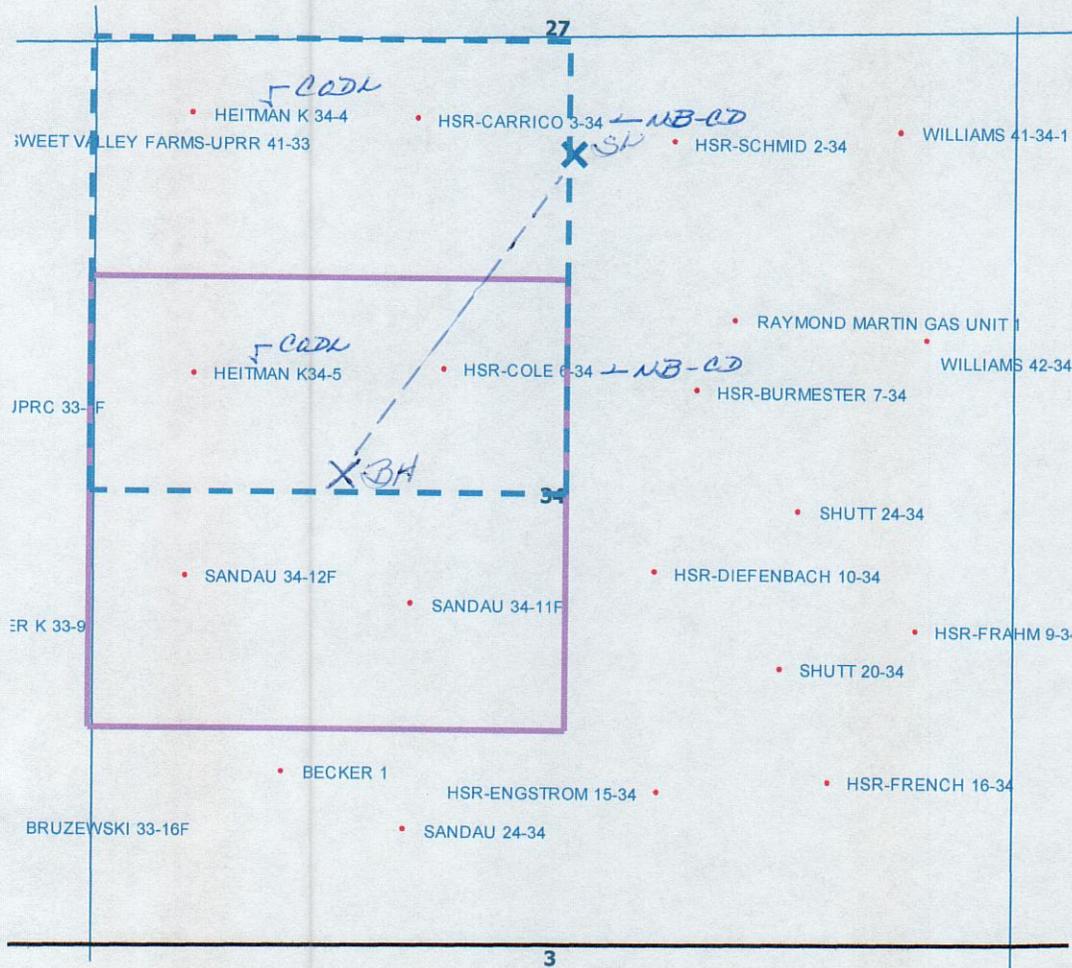
JERRY F. HARCEK JR., PLS 34997
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY: 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 04-07-10	WELL NAME: PIERSON 22-34
	DRAWING DATE: 04-08-10	SURFACE LOCATION: WELD COUNTY, COLORADO NW 1/4 NE 1/4, SEC. 34, T4N, R66W
BY: SMF		

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.

PIERSON 22-34
NWNE Sec. 34 T4N-R66W



LEGEND



Proposed 160 acre Spacing Unit (Solid line).



Bottom Hole Located SE/4NW/4, Sec. 34-T4N-R66W (Dashed line).

This 1/4 Section has less than 8 bottom hole wells producing from the Codell, Niobrara & J Sand Formations.