



December 17, 2009

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**  
CARMA 32-36  
Township 3 North, Range 68 West, Section 36: SE/4NW/4  
Unit Spacing: 03N-68W-36 SW/4NW/; NW/4SW/4  
03N-68W-35 SE/4NE/; NE/4SE/4  
Weld County, Colorado

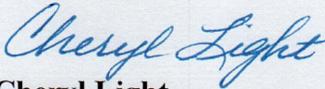
Ladies/Gentlemen:

Kerr McGee Oil and Gas Onshore LP ("KMG") hereby certify to the Director that KMG owns one-hundred percent (100%) of the mineral rights in the proposed spacing unit. Therefore, KMG respectfully 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,

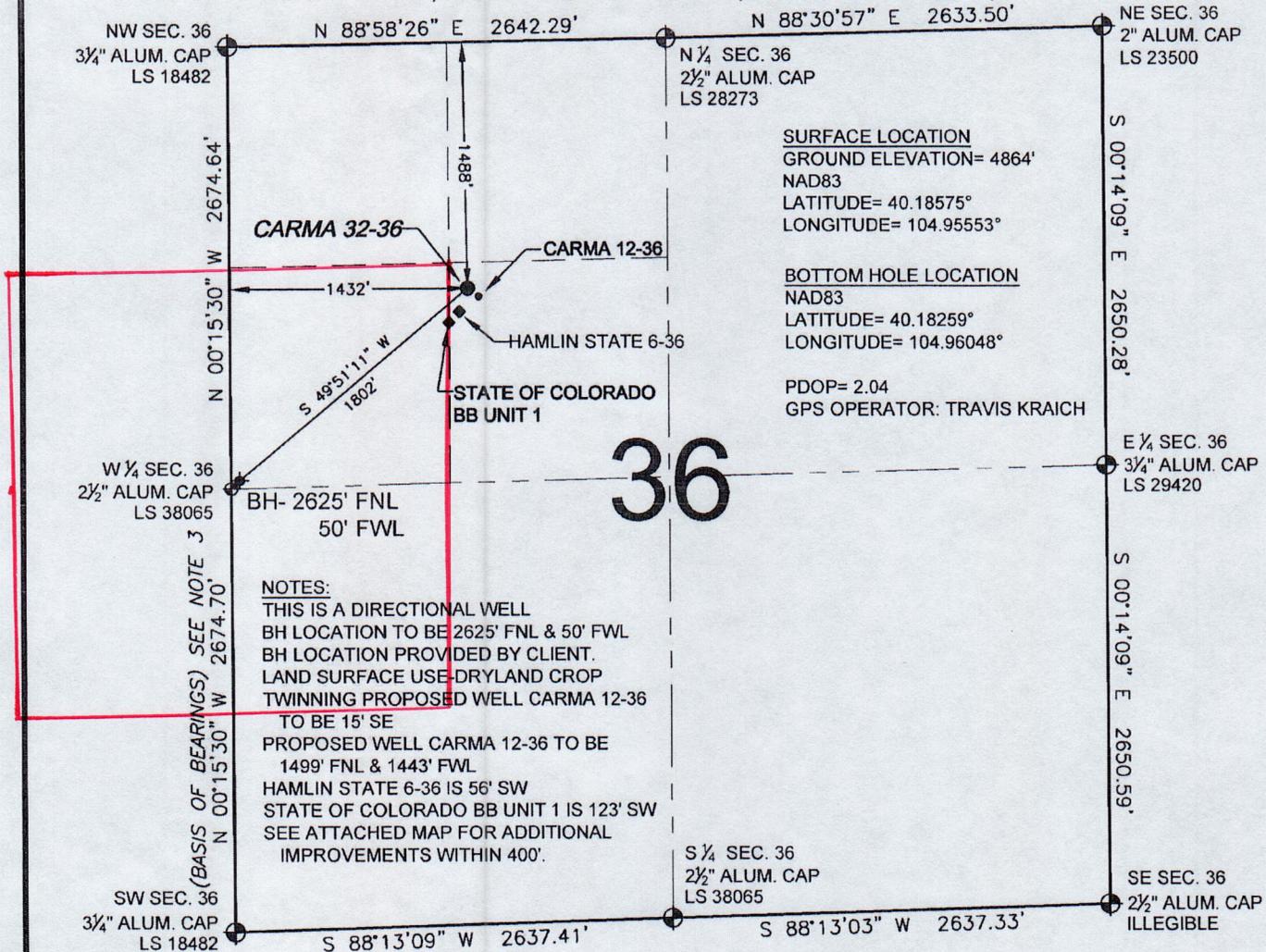
**KERR-McGEE OIL AND GAS ONSHORE LP**

  
**Cheryl Light**  
Senior Regulatory Analyst

:cl  
Enclosure

# WELL LOCATION CERTIFICATE: CARMA 32-36

SECTION 36, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



**SURFACE LOCATION**  
 GROUND ELEVATION= 4864'  
 NAD83  
 LATITUDE= 40.18575°  
 LONGITUDE= 104.95553°

**BOTTOM HOLE LOCATION**  
 NAD83  
 LATITUDE= 40.18259°  
 LONGITUDE= 104.96048°

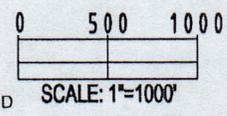
PDOP= 2.04  
 GPS OPERATOR: TRAVIS KRAICH

**NOTES:**  
 THIS IS A DIRECTIONAL WELL  
 BH LOCATION TO BE 2625' FNL & 50' FWL  
 BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE-DRYLAND CROP  
 TWINNING PROPOSED WELL CARMA 12-36  
 TO BE 15' SE  
 PROPOSED WELL CARMA 12-36 TO BE  
 1499' FNL & 1443' FWL  
 HAMLIN STATE 6-36 IS 56' SW  
 STATE OF COLORADO BB UNIT 1 IS 123' SW  
 SEE ATTACHED MAP FOR ADDITIONAL  
 IMPROVEMENTS WITHIN 400'.

WELL **CARMA 32-36** TO BE LOCATED 1488' FNL AND 1432' FWL, SECTION 36, T3N, R68W OF THE 6th P.M.

**LEGEND**

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



**NOTES:**

1. THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. 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
3. THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
4. 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 **CARMA 32-36**. 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.

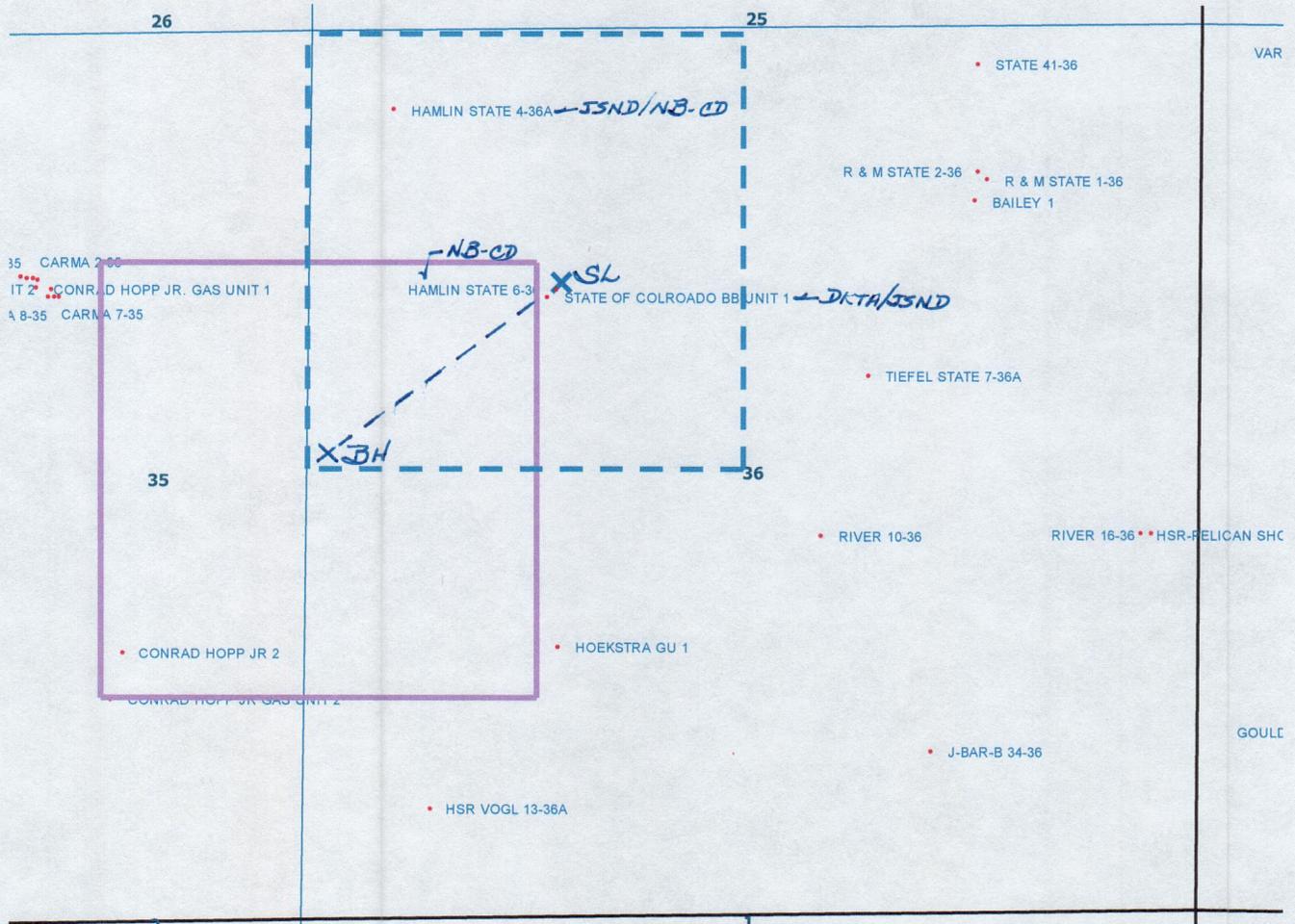
JERRY F. HARCEK JR., PLS 34997  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY: <b>PFS</b> Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 11-18-09	WELL NAME: CARMA 32-36
	DRAWING DATE: 11-20-09	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	SE 1/4 NW 1/4, SEC. 36, T3N, R68W

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.

# CARMA 32-36 SENW Sec. 36 T3N-R68W



## LEGEND



Proposed 160 acre Spacing Unit (Solid line).



Bottom Hole Located SW/4NW/4, Sec. 36-T3N-R68W (Dashed line).

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