



March 23, 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**
COTTONWOOD 39-33
Township 2 North, Range 66 West, Section 33: SE/4SE/4
Unit Spacing: 02N-66W-33 E/2SE/4
02N-66W-34 W/2SW/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 'Cheryl Light'.

Cheryl Light
Senior Regulatory Analyst

:cl
Enclosure

WELL LOCATION CERTIFICATE: COTTONWOOD 39-33

SECTION 33, TOWNSHIP 2 NORTH, RANGE 66 WEST, 6TH P.M.

NW SEC. 33
3 3/4" ALUM. CAP
ILLEGIBLE

N 89°43'46" E 2646.35'

N 89°09'46" E 2640.23'

NE SEC. 33
2 1/2" ALUM. CAP
LS 13482

N 1/4 SEC. 33
3 3/4" ALUM. CAP
LS 13258

NOTES:
THIS IS A DIRECTIONAL WELL
BH LOCATION TO BE 1320' FSL & 50' FEL
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-OPEN FIELD
TWINNING PROPOSED WELL COTTONWOOD
9-33 TO BE 16' W
PROPOSED WELL COTTONWOOD 9-33
TO BE 800' FSL & 725' FEL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

W 1/4 SEC. 33
3 3/4" ALUM. CAP
LS 12330

N 00°36'39" W 2641.81'

N 00°36'19" W 2641.52'

(BASIS OF BEARINGS) SEE NOTE 3

SURFACE LOCATION
GROUND ELEVATION= 4987'
NAD83
LATITUDE= 40.089539°
LONGITUDE= 104.775229°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.090957°
LONGITUDE= 104.772880°

PDOP= 2.44
GPS OPERATOR: TRAVIS KRAICH

S 1/4 SEC. 33
2 1/2" ALUM. CAP
LS 22097

S 00°38'00" E 2649.64'

E 1/4 SEC. 33
2" ALUM. CAP
LS 25937

S 00°35'41" E 2650.57'

SE SEC. 33
2 1/2" ALUM. CAP
LS 22097

S 89°23'00" W 2645.15'

S 89°52'33" W 2642.02'

33

COTTONWOOD
39-33

COTTONWOOD
9-33

BH- 1320' FSL
50' FEL

N 51°22'31" E
836'

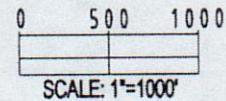
709'

800'

WELL COTTONWOOD 39-33 TO BE LOCATED 800' FSL AND 709' FEL, SECTION 33, T2N, R66W OF THE 6th P.M.

LEGEND

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



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 **COTTONWOOD 39-33**. 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.

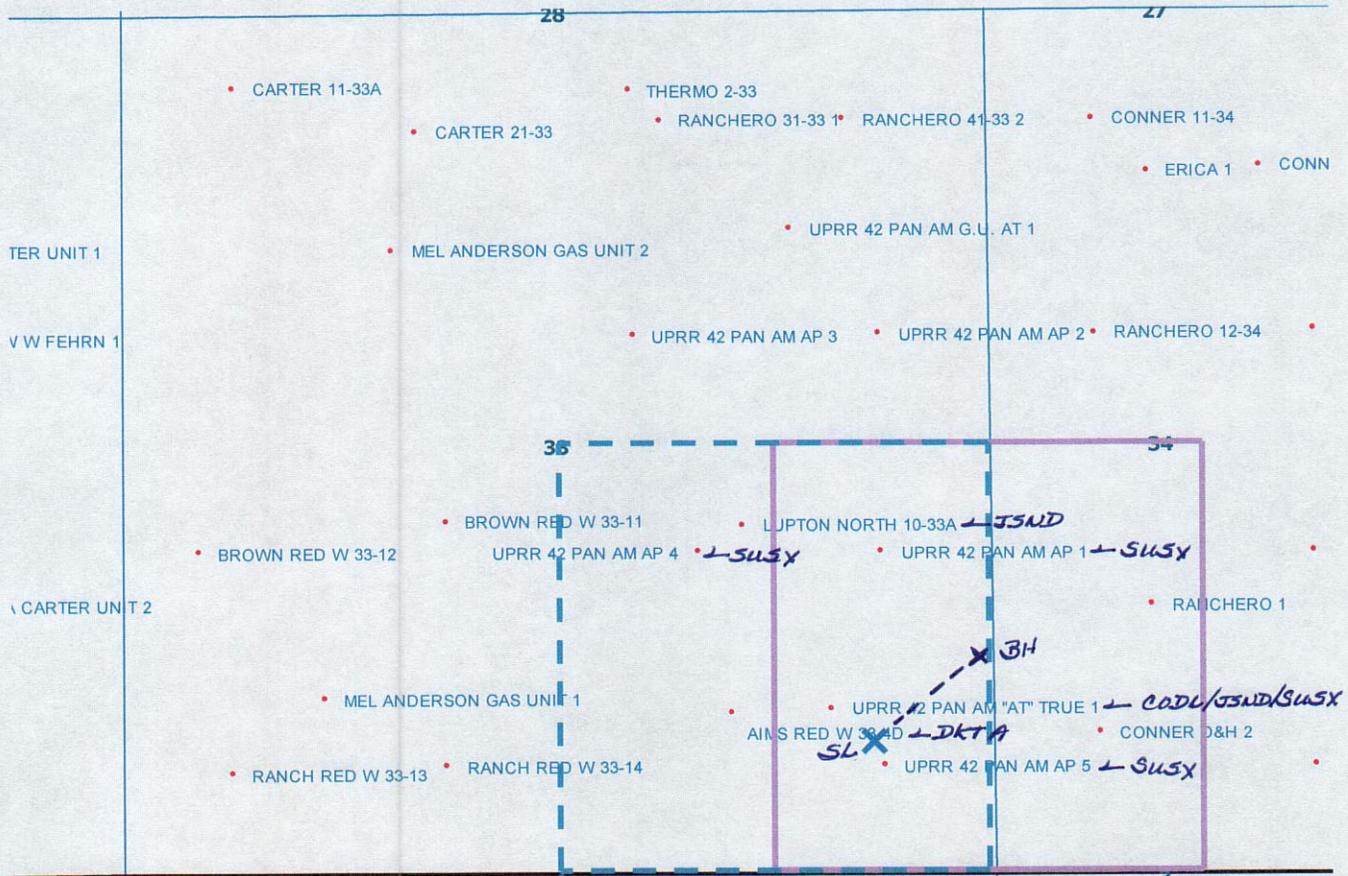
JERRY F. HARCEK JR., PLS 34997
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY: 	FIELD DATE: 01-15-10	WELL NAME: COTTONWOOD 39-33
	DRAWING DATE: 01-19-10	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	SE 1/4 SE 1/4, SEC. 33, T2N, R66W

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.

COTTONWOOD 39-33 SESE Sec. 33 T2N-R66W



LEGEND



Proposed 160 acre Spacing Unit (Solid line).



Bottom Hole Located SE/4SE/4, Sec. 33-T2N-R66W (Dashed line).

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