

BEFORE THE OIL & GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF )  
KERR-MCGEE OIL & GAS ONSHORE LP FOR )  
AN ORDER POOLING ALL INTERESTS IN )  
THE CODELL AND/OR NIOBRARA )  
FORMATIONS IN EIGHT (8) DESIGNATED )  
WELLBORE SPACING UNITS LOCATED IN )  
THE WATTENBERG FIELD, WELD COUNTY, )  
COLORADO )

Cause No. \_\_\_\_\_

Docket No. \_\_\_\_\_

APPLICATION

COMES NOW Kerr-McGee Oil & Gas Onshore LP (referred to herein as "Applicant"), by and through its undersigned attorneys, and makes application to the Colorado Oil and Gas Conservation Commission ("Commission"), for an order to pool all interests within eight (8) designated wellbore spacing units for the drilling of eight (8) horizontal wells (collectively, the "Weichel Wells") to produce oil, gas, and associated hydrocarbons from the Codell and/or Niobrara Formations as described below:

- A. Weichel 13N-11HZ Well, API No. 05-123-35283  
(Wellbore Spacing Unit #1 – 200 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.  
Section 11: SW $\frac{1}{4}$ SW $\frac{1}{4}$   
Section 14: W $\frac{1}{2}$ W $\frac{1}{2}$

- B. Weichel 14N-11HZ Well, API No. 05-123-35149  
(Wellbore Spacing Unit #2 – 200 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.  
Section 11: SE $\frac{1}{4}$ SW $\frac{1}{4}$   
Section 14: E $\frac{1}{2}$ W $\frac{1}{2}$

- C. Weichel 26N-11HZ Well, API No. 05-123-35355  
(Wellbore Spacing Unit #3 – 640 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.  
Section 11: E $\frac{1}{2}$ E $\frac{1}{2}$   
Section 12: W $\frac{1}{2}$ W $\frac{1}{2}$   
Section 13: W $\frac{1}{2}$ W $\frac{1}{2}$   
Section 14: E $\frac{1}{2}$ E $\frac{1}{2}$



- D. Weichel 26N-15HZ Well, API No. 05-123-35284  
(Wellbore Spacing Unit #4 – 320 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.

Section 14:  $W\frac{1}{2}W\frac{1}{2}$

Section 15:  $E\frac{1}{2}E\frac{1}{2}$

- E. Weichel 28N-11HZ Well, API No. 05-123-35158  
(Wellbore Spacing Unit #5 – 640 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.

Section 11:  $E\frac{1}{2}W\frac{1}{2}$ ,  $W\frac{1}{2}E\frac{1}{2}$

Section 14:  $E\frac{1}{2}W\frac{1}{2}$ ,  $W\frac{1}{2}E\frac{1}{2}$

- F. Weichel 30N-23HZ Well, API No. 05-123-35359  
(Wellbore Spacing Unit #6 – 320 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.

Section 14:  $S\frac{1}{2}S\frac{1}{2}$

Section 23:  $N\frac{1}{2}N\frac{1}{2}$

- G. Weichel 34C-11HZ Well, API No. 05-123-35285  
(Wellbore Spacing Unit #7 – 400 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.

Section 10:  $SE\frac{1}{2}SE\frac{1}{2}$

Section 11:  $SW\frac{1}{2}SW\frac{1}{2}$

Section 14:  $W\frac{1}{2}W\frac{1}{2}$

Section 15:  $E\frac{1}{2}E\frac{1}{2}$

- H. Weichel 35N-11HZ Well, API No. 05-123-35282  
(Wellbore Spacing Unit #8 – 400 acres)

Township 2 North, Range 65 West, 6<sup>th</sup> P.M.

Section 11:  $S\frac{1}{2}SW\frac{1}{4}$

Section 14:  $W\frac{1}{2}$

Weld County, Colorado (the "Application Lands", or individually, "Wellbore Spacing Unit" or collectively, the "Wellbore Spacing Units").

In support thereof, the Applicant states and alleges as follows:

1. Applicant is a limited partnership formed under the laws of the State of Delaware; is a wholly owned subsidiary of Anadarko Petroleum Corporation; is duly authorized to conduct business in the State of Colorado; and is a registered operator in good standing with the Commission.

2. Applicant owns certain interests in the Application Lands.



3. On February 19, 1992, the Commission issued Order No. 407-87 (amended August 20, 1993), which among other things, established 80-acre drilling and spacing units for the production of oil and/or gas from the Codell and Niobrara Formations underlying certain lands, including the Application Lands, with the permitted well locations in accordance with the provisions of Order No. 407-1. Order No. 407-1 (amended on March 29, 2000 in accordance with Order No. 407-17, entered November 18, 1985), among other things, established 80-acre drilling and spacing units for the production of oil and/or gas and associated hydrocarbons from the Codell Formation underlying certain lands, including the Application Lands, with the drilling and spacing unit to be designated by the operator drilling the first well in the quarter section, (or the Director, if the operator fails to designate). The permitted well shall be located in the center of either 40-acre tract within the drilling and spacing unit with a tolerance of 200 feet in any direction. The operator shall have the option to drill an additional well on the undrilled 40-acre tract in each 80-acre drilling and spacing unit. The Application Lands are subject to Order No. 407-87 for the Codell and Niobrara Formations.

4. On April 27, 1998, the Commission adopted Rule 318A, which, among other things, allowed certain drilling locations to be utilized to drill or twin a well, deepen a well or recomplete a well and to commingle any or all of the Cretaceous Age Formation from the base of the Dakota Formation to the surface. On December 5, 2005, Rule 318A was amended to allow interior infill and boundary wells to be drilled and wellbore spacing units to be established. In August 2011, Rule 318A was amended to allow horizontal wellbore spacing units to be established. The Application Lands are subject to this Rule for the Codell and Niobrara Formations.

5. Applicant designated the eight (8) Wellbore Spacing Units for each of the Weichel Wells for the production of oil, gas, and associated hydrocarbons from the Codell and/or Niobrara Formations pursuant to Rule 318A.e. and notified all owners in each proposed Wellbore Spacing Unit pursuant to Rule 318A.e.(6). Applicant did not receive any objections to the establishment of the proposed Wellbore Spacing Unit within the 30-day response period, and, as such, certifies to the Commission that it did not receive any objections to the well location, proposed spacing unit, or proposed formations.

6. Applicant, pursuant to Commission Rule 530 and pursuant to the provisions of C.R.S. §34-60-116 (6) and (7), seeks an order to pool all interests, including but not limited to, any nonconsenting interests, in the Application Lands in the Codell and/or Niobrara Formations underlying each of the eight (8) Wellbore Spacing Units.

7. Applicant requests that the Commission's pooling order be made effective as of the earlier of the date of this Application, or the date that the costs specified in C.R.S. § 34-60-116(7)(b)(II) are first incurred for the drilling of each of the Weichel Wells to the Codell and/or Niobrara Formations on the Application Lands.

8. Applicant certifies that copies of this Application will be served on all persons owning an interest in the mineral estate of the tracts to be pooled within seven (7) days of the date hereof, as required by Rule 507.b(2), and that at least thirty (30) days prior to the hearing on this matter, each such interest owner not already leased or



voluntarily pooled will be offered the opportunity to lease, or to participate in the drilling of the eight (8) Wells, as applicable, and will be provided with the information required by Rule 530. The list of such interested parties is attached hereto as Exhibit A.

9. That in order to prevent waste and to protect correlative rights, all interests in the Application Lands and eight (8) above-referenced Wellbore Spacing Units should be pooled for the orderly development of the Codell and/or Niobrara Formations, including any nonconsenting interests therein.

WHEREFORE, Applicant requests that this matter be set for hearing at the next available opportunity, that notice be given as required by law, and that upon such hearing, the Commission enter its order:

A. Pooling all interests in the eight (8) Wellbore Spacing Units and the Application Lands for the development of the Codell and/or Niobrara Formations.

B. Providing that the Commission's pooling order is made effective as of the earlier of the date of this Application, or the date that any of the costs specified in C.R.S. § 34-60-116(7)(b)(II) were first incurred for the drilling of each of the Weichel Wells.

C. Providing that the interests of any owners with whom the Applicant has been unable to secure a lease or other agreement to participate in the drilling of the Wells are pooled by operation of statute, pursuant to C.R.S. § 34-60-116(7), and made subject to the cost recovery provisions thereof with respect to all wells drilled to develop the Codell and/or Niobrara Formations in the Wellbore Spacing Units comprised of the Application Lands.

D. For such other findings and orders as the Commission may deem proper or advisable in this matter.



DATED this 21<sup>st</sup> day of June, 2012.

Respectfully submitted,

**KERR-MCGEE OIL & GAS ONSHORE LP**

By: Jamie L. Jost

Jamie L. Jost  
Elizabeth Y. Gallaway  
Beatty & Wozniak, P.C.  
Attorneys for Applicant  
216 16th Street, Suite 1100  
Denver, Colorado 80202

Address of Applicant

Kerr-McGee Oil & Gas Onshore LP  
ATTN: Rocky Kimball  
1099 18<sup>th</sup> Street, Suite 1800  
Denver, Colorado 80202



VERIFICATION

STATE OF COLORADO                    )  
  ) ss.  
CITY AND COUNTY OF DENVER)

R.C. Kimball, of lawful age, being first duly sworn upon oath, deposes and says that he is a Staff Landman for Kerr-McGee Oil & Gas Onshore LP and that he has read the foregoing Application and that the matters therein contained are true to the best of his knowledge, information and belief.

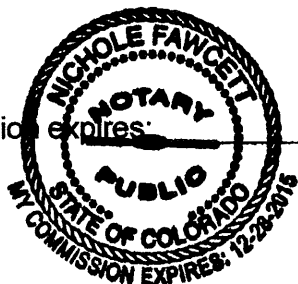
*R.C. Kimball*  
Title: Staff Landman  
Kerr-McGee Oil & Gas Onshore LP

Subscribed and sworn to before this 21<sup>st</sup> day of June, 2012.

Witness my hand and official seal.

[SEAL]

My commission expires: \_\_\_\_\_



*[Signature]*  
Notary Public



**EXHIBIT A**  
**Interested Parties**

Consolidated Farms Company, a  
Colorado Corp  
Address Unknown

Noble Energy, Inc.  
1625 Broadway, Suite 2000  
Denver, CO 80202

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Front Range Resources, LLC  
999 18th Street, Suite 270 North Tower  
Denver, CO 80202

Natalie Cypher  
29089 State Highway 72  
Golden, CO 80403

Front Range Resources, LLC  
1801 Broadway, Suite 1010  
Denver, CO 80202

Janet Robinson  
1493 Lake Shore Ct  
Barrington, Illinois 60010-3504

Charlotte Lynn Harkis  
925 Nirthwest 127th Court  
Ocala, Florida 34482

David E. Zweifel  
3423 Glenmoor Drive  
Chevy Chase, Maryland 20815

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Judith Rae Bjornstad  
520 Maple St  
Woodland Park, Co 80863

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

James R. Figg  
8035 Lamar St  
Arvada, CO 80003

Mekusukey Oil Company, LLC  
201 South Mekusukey Ave  
Wewoka, Oklahoma 74884

Renae Johnson  
319 Shangrila Estate Drive  
Fenton, Missouri 63026-4858

Fred Brewer  
3 Bridle Path Drive  
Park City, Montana 59063

Jenell McElhinney  
318 North 14th Avenue  
Brighton, CO 80601-1536

Connie Harkis  
PO Box 955  
Forsyth, Montana 59327

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Delbert Brewer  
PO Box 401  
Columbus, Montana 59019

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Ramona Faye Glover  
5813 Weld County Road 37  
Fort Lupton, CO 80621



Robert Ryon Brewer  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Noble Energy Inc.  
1625 Broadway, Ste 2000  
Denver, CO 80202

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202

Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033

Gordon P. Weichel  
22762 WCR 22  
Hudson, CO 80642

Ward E. Terry, Jr. Trustee of the Family  
Trust  
1610 Wynkoop Street #200  
Denver, CO 80202

The Everett O Cummings Family Trust  
4750 Pleasant Oak Dr #303  
Ft. Collins, CO 80525

Martin J. Harrington, Jr.  
2236 South Jackson Street  
Denver, CO 80210

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

Mekusukey Oil Company, LLC  
201 South Mekusukey Ave  
Wewoka, Oklahoma 74884

Fred Brewer  
3 Bridle Path Drive  
Park City, Montana 59063

Connie Harkis  
PO Box 955  
Forsyth, Montana 59327

Delbert Brewer  
PO Box 401  
Columbus, Montana 59019

Ramona Faye Glover  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Robert Ryon Brewer  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Noble Energy Inc.  
1625 Broadway, Ste 2000  
Denver, CO 80202

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202



Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033

BGSPE Energy, Ltd.  
PO Box 509  
Tyler, TX 75710

Robert S. Pirtle  
PO Box 1310  
Tyler, TX 75710-1310

Anthony R. Dowdy  
22071 Weld County Road 22  
Hudson, CO 80642

Stephen G. Dowdy  
22071 Weld County Road 22  
Hudson, CO 80642

Dennis C. Dowdy  
22071 Weld County Road 22  
Hudson, CO 80642

Gordon P. Weichel  
22762 WCR 22  
Hudson, CO 80642

Ward E. Terry, Jr. Trustee of the Family  
Trust  
1610 Wynkoop Street #200  
Denver, CO 80202

The Everett O Cummings Family Trust  
4750 Pleasant Oak Dr #303  
Ft. Collins, CO 80525

Martin J. Harrington, Jr.  
2236 South Jackson Street  
Denver, CO 80210

Gordon P. Weichel and  
Clarkie R. Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Natalie Cypher  
29089 State Highway 72  
Golden , CO 80403

Janet Robinson  
1493 Lake Shore Ct  
Barrington, Illinois 60010-3504

David E. Zweifel  
3423 Glenmoor Drive  
Chevy Chase, Maryland 20815

Judith Rae Bjornstad  
520 Maple St  
Woodland Park, Co 80863

James R. Figg  
8035 Lamar St  
Arvada, CO 80003

Renae Johnson  
319 Shangrila Estate Drive  
Fenton, Missouri 63026-4858

Jenell McElhinney  
318 North 14th Avenue  
Brighton, CO 80601-1536

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202



Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033

Gordon P. Weichel  
22762 WCR 22  
Hudson, CO 80642

Ward E. Terry, Jr. Trustee of the Family  
Trust  
1610 Wynkoop Street #200  
Denver, CO 80202

The Everett O Cummings Family Trust  
4750 Pleasant Oak Dr #303  
Ft. Collins, CO 80525

Martin J. Harrington, Jr.  
2236 South Jackson Street  
Denver, CO 80210

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

Mekusukey Oil Company, LLC  
201 South Mekusukey Ave  
Wewoka, Oklahoma 74884

Fred Brewer  
3 Bridle Path Drive  
Park City, Montana 59063

Connie Harkis  
PO Box 955  
Forsyth, Montana 59327

Delbert Brewer  
PO Box 401  
Columbus, Montana 59019

Ramona Faye Glover  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Robert Ryon Brewer  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202

Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033

Gordon P. Weichel  
22762 WCR 22  
Hudson, CO 80642

Ward E. Terry, Jr.  
Trustee of the Family Trust  
1610 Wynkoop Street #200  
Denver, CO 80202

The Everett O Cummings Family Trust  
4750 Pleasant Oak Dr #303  
Ft. Collins, CO 80525

Martin J. Harrington, Jr.  
2236 South Jackson Street  
Denver, CO 80210

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642



Natalie Cypher  
29089 State Highway 72  
Golden , CO 80403

Janet Robinson  
1493 Lake Shore Ct  
Barrington, Illinois 60010-3504

David E. Zweifel  
3423 Glenmoor Drive  
Chevy Chase, Maryland 20815

Judith Rae Bjornstad  
520 Maple St  
Woodland Park, Co 80863

James R. Figg  
8035 Lamar St  
Arvada, CO 80003

Renae Johnson  
319 Shangrila Estate Drive  
Fenton, Missouri 63026-4858

Jenell McElhinney  
318 North 14th Avenue  
Brighton, CO 80601-1536

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

Mekusukey Oil Company, LLC  
201 South Mekusukey Ave  
Wewoka, Oklahoma 74884

Fred Brewer  
3 Bridle Path Drive  
Park City, Montana 59063

Connie Harkis  
PO Box 955  
Forsyth, Montana 59327

Delbert Brewer  
PO Box 401  
Columbus, Montana 59019

Ramona Faye Glover  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Robert Ryon Brewer  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202

Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033

Gordon P. Weichel  
22762 WCR 22  
Hudson, CO 80642

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

Mekusukey Oil Company, LLC  
201 South Mekusukey Ave  
Wewoka, Oklahoma 74884



Fred Brewer  
3 Bridle Path Drive  
Park City, Montana 59063

Connie Harkis  
PO Box 955  
Forsyth, Montana 59327

Delbert Brewer  
PO Box 401  
Columbus, Montana 59019

Ramona Faye Glover  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Robert Ryon Brewer  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202

Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033

Gordon P. Weichel  
22762 WCR 22  
Hudson, CO 80642

Gordon P. Weichel and Clarkie R.  
Weichel, JT  
22762 WCR 22  
Hudson, CO 80642

Carpenter Ranch, LLC  
518 17th Street Ste 1100  
Denver, CO 80202-4162

Mekusukey Oil Company, LLC  
201 South Mekusukey Ave  
Wewoka, Oklahoma 74884

Fred Brewer  
3 Bridle Path Drive  
Park City, Montana 59063

Connie Harkis  
PO Box 955  
Forsyth, Montana 59327

Delbert Brewer  
PO Box 401  
Columbus, Montana 59019

Ramona Faye Glover  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Robert Ryon Brewer  
5813 Weld County Road 37  
Fort Lupton, CO 80621

Kerr-McGee Onshore Oil & Gas  
1099 18th St. #1800  
Denver, CO 80202

Anadarko Petroleum Corporation  
1099 18th St. #1800  
Denver, CO 80202

Encana Oil & Gas (USA), Inc.  
370 17th St. Ste 1700  
Denver, CO 80202

Ronald D. McCartney  
4251 Kipling Street, Unit 575  
Wheatridge, Colorado 80033



BEFORE THE OIL & GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF )  
KERR-MCGEE OIL & GAS ONSHORE LP FOR )  
AN ORDER POOLING ALL INTERESTS IN )  
THE CODELL AND/OR NIOBRARA )  
FORMATIONS IN EIGHT (8) DESIGNATED )  
WELLBORE SPACING UNITS LOCATED IN )  
THE WATTENBERG FIELD, WELD COUNTY, )  
COLORADO )

Cause No. \_\_\_\_\_

Docket No. \_\_\_\_\_

**AFFIDAVIT OF MAILING**

STATE OF COLORADO )  
 )ss.  
CITY AND COUNTY OF DENVER )

Jamie L. Jost, of lawful age, and being first duly sworn upon her oath, states and declares:

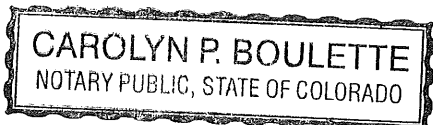
That she is the attorney for Kerr-McGee Oil & Gas Onshore LP, that on or before June 11, 2012, she caused a copy of the attached Application to be deposited in the United States Mail, postage prepaid, addressed to the parties listed on Exhibit A to the Application.

Jamie L. Jost  
Jamie L. Jost

Subscribed and sworn to before me June 21 2012.

Witness my hand and official seal.

My commission expires: October 22, 2015



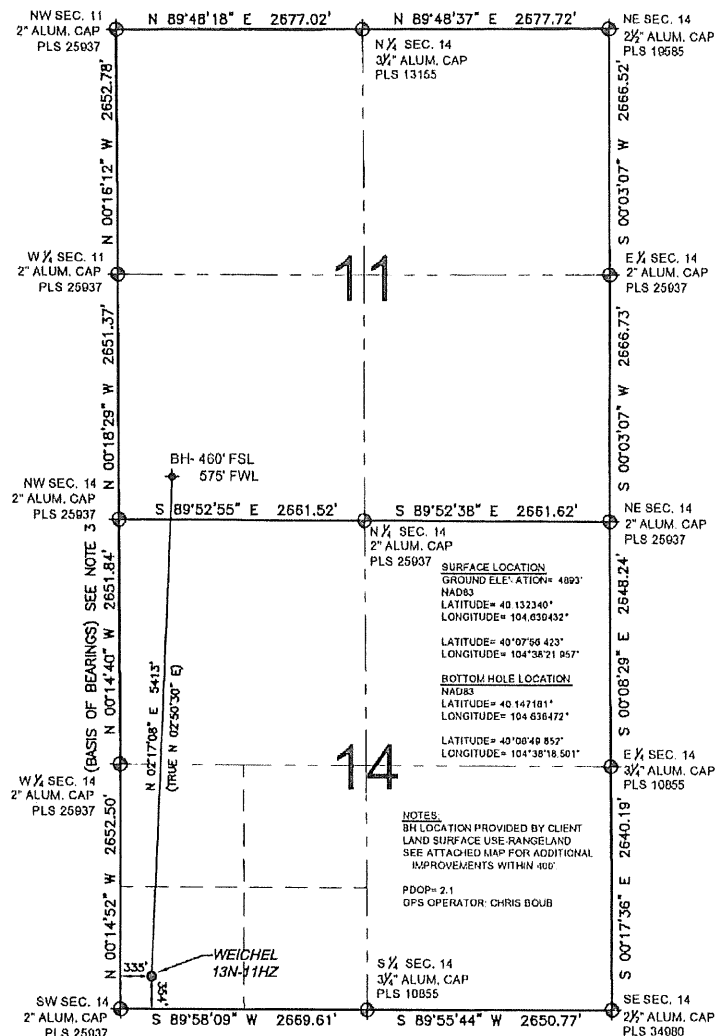
My Comm. Expires October 22, 2015

Carolyn P. Boulette  
Notary Public



# WELL LOCATION CERTIFICATE: WEICHEL 13N-11HZ

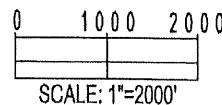
## SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL WEICHEL 13N-11HZ TO BE LOCATED 354' FSL AND 335' FWL

### LEGEND

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

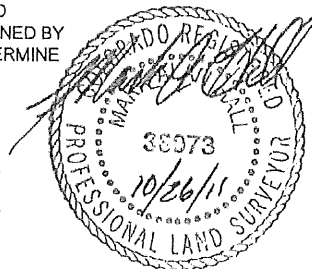


### NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:



FIELD DATE:  
10-14-11  
DRAWING DATE:  
10-24-11  
BY:  
SMF

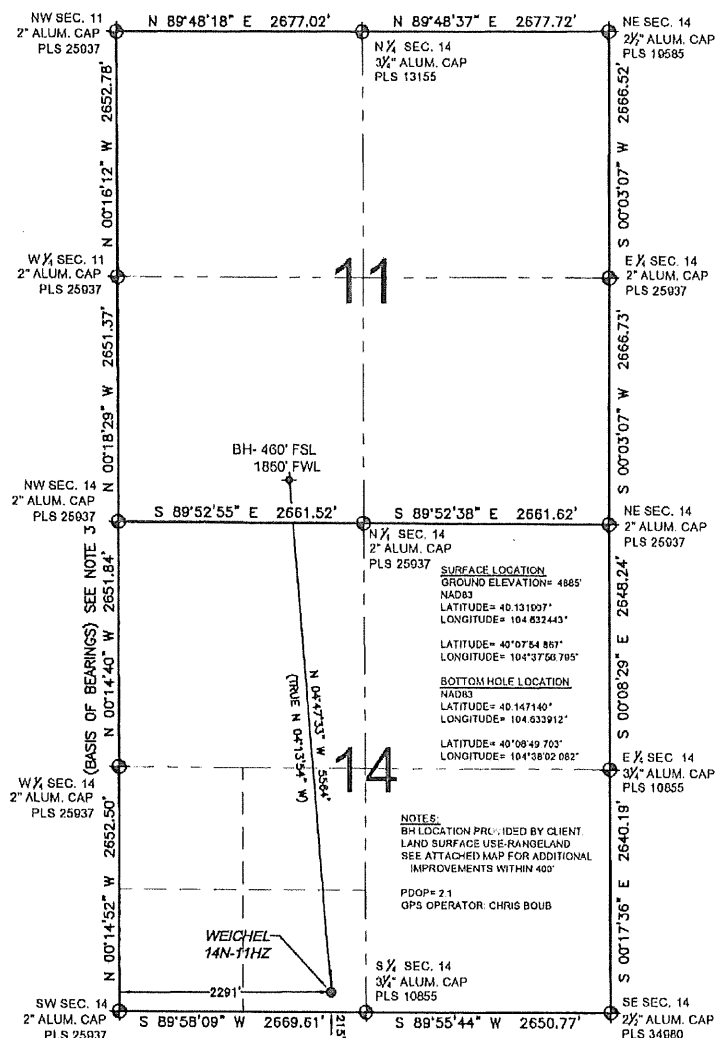
SURFACE LOCATION:  
SW 1/4 SW 1/4,  
SEC. 14, T2N, R65W, 6TH P.M.  
WELD COUNTY, COLORADO

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.



# WELL LOCATION CERTIFICATE: WEICHEL 14N-11HZ

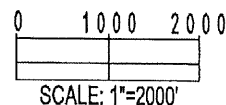
## SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL WEICHEL 14N-11HZ TO BE LOCATED 215' FSL AND 2291' FWL

### LEGEND

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



### NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:



FIELD DATE:

10-14-11

DRAWING DATE:

10-24-11

BY:

SMF

SURFACE LOCATION:

SE 1/4 SW 1/4,

SEC. 14, T2N, R65W, 6TH P.M.

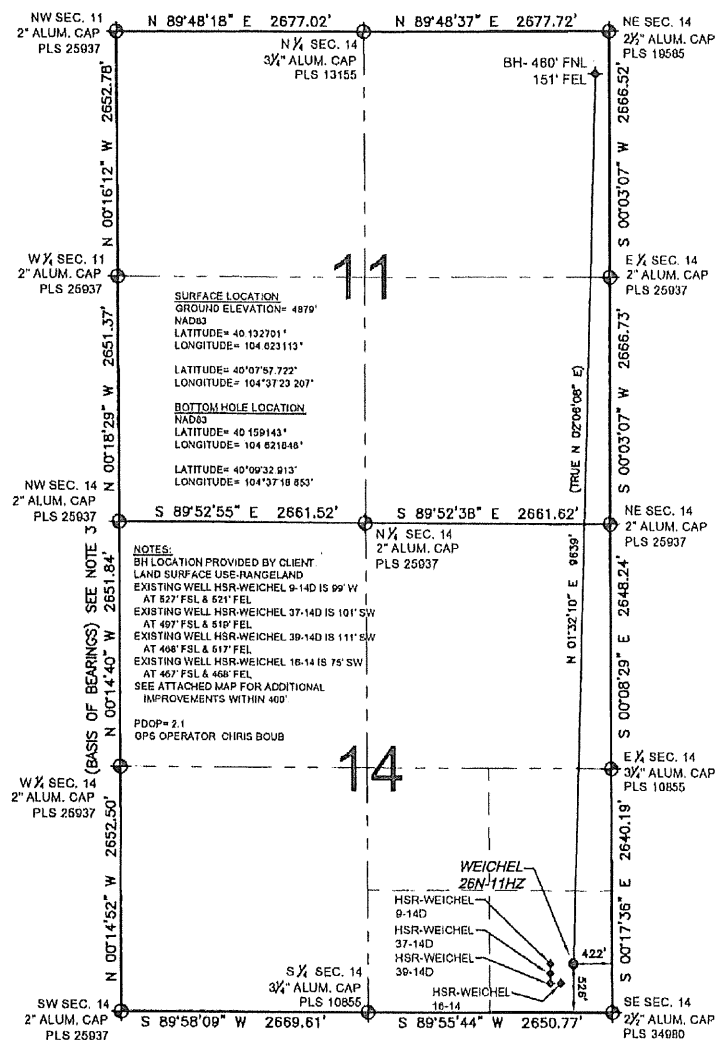
WELD COUNTY, COLORADO

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.



# WELL LOCATION CERTIFICATE: WEICHEL 26N-11HZ

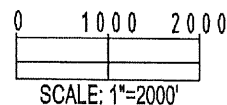
SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL WEICHEL 26N-11HZ TO BE LOCATED 526' FSL AND 422' FEL

## LEGEND

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

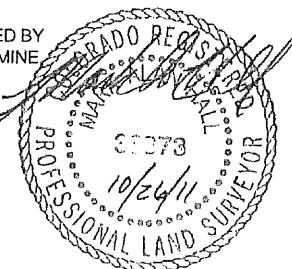


## NOTES:

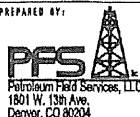
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S.  
DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:



FIELD DATE:  
10-14-11  
DRAWING DATE:  
10-24-11  
BY:  
SMF

SURFACE LOCATION:

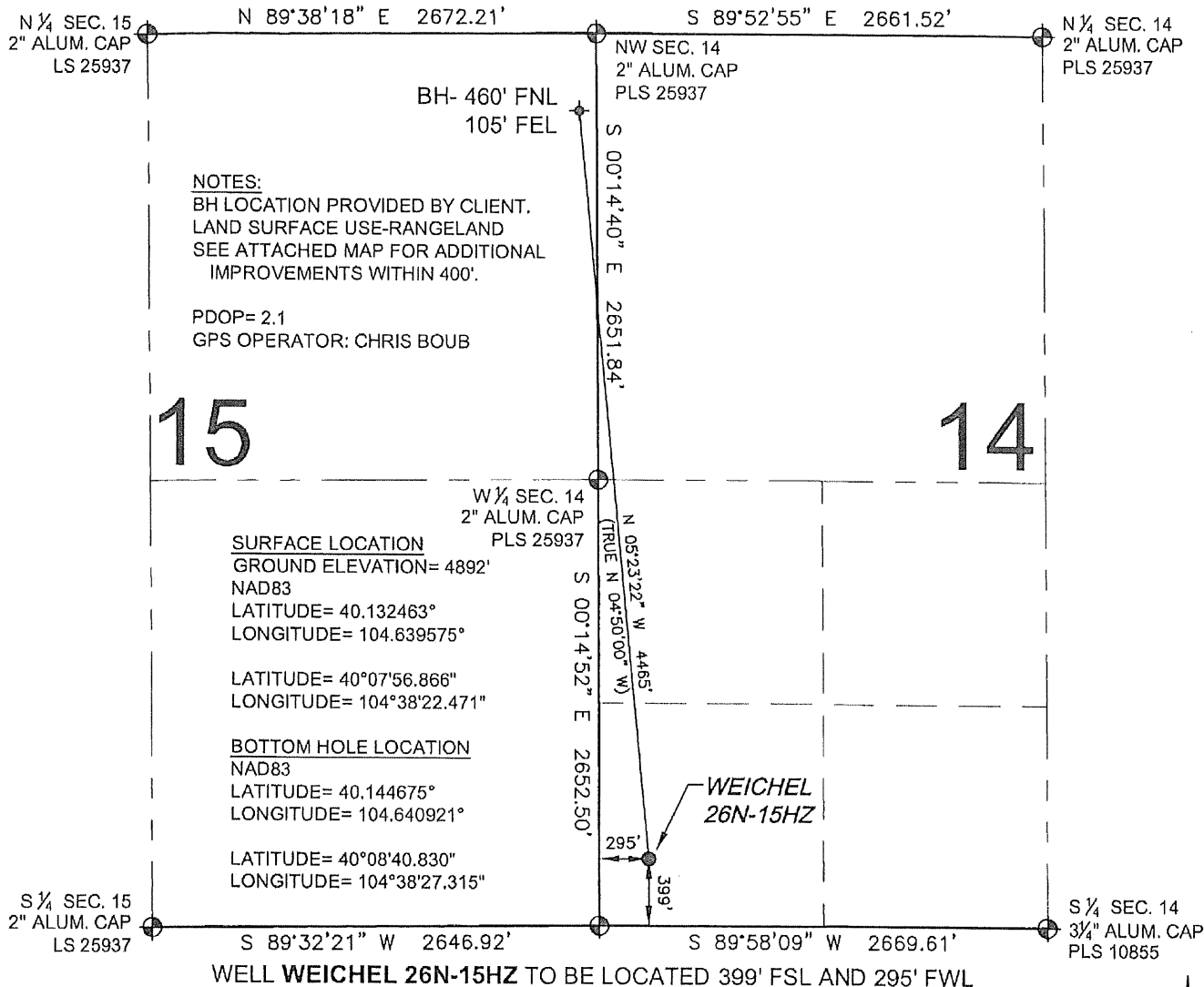
SE 1/4 SE 1/4,  
SEC. 14, T2N, R65W, 6TH P.M.  
WELD COUNTY, COLORADO

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.



# WELL LOCATION CERTIFICATE: WEICHEL 26N-15HZ

SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



## LEGEND

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

0 1000 2000  
SCALE: 1"=2000'

## NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
3. THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, L. KELLEY STEVENSON, 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.

L. KELLEY STEVENSON, PLS 38231  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY:



FIELD DATE:

01-05-12

DRAWING DATE:

01-11-12

BY:  
SMF

SURFACE LOCATION:

SW 1/4 SW 1/4,

SEC. 14, T2N, R65W, 6TH P.M.

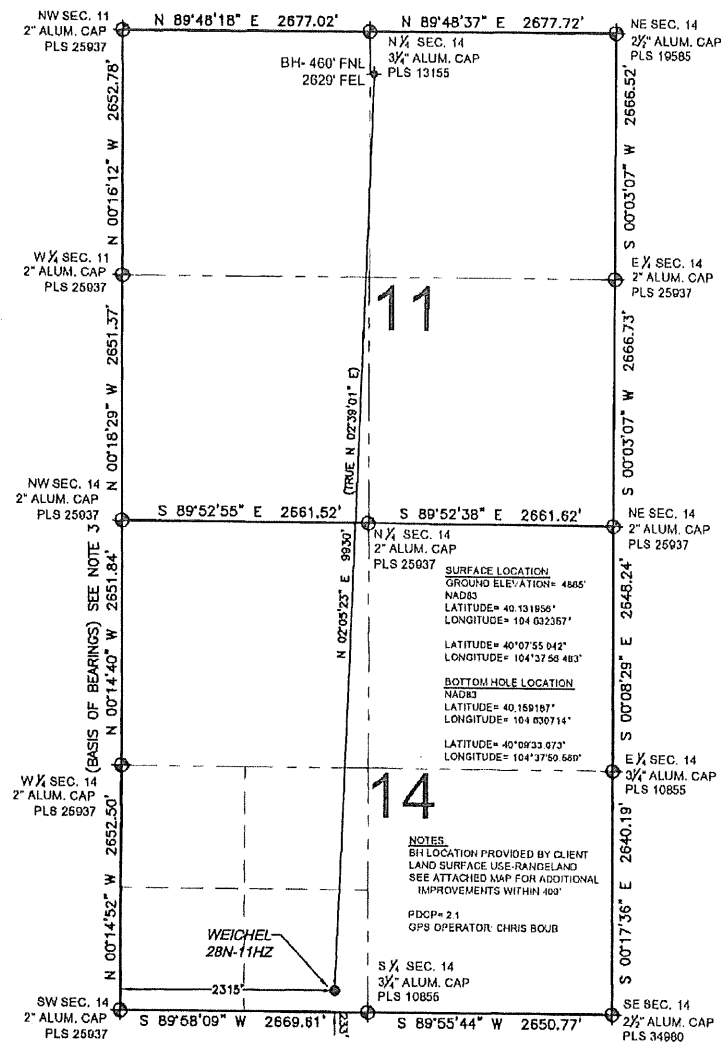
WELD COUNTY, COLORADO

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.



# WELL LOCATION CERTIFICATE: WEICHEL 28N-11HZ

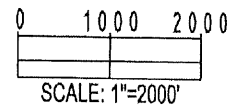
SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL WEICHEL 28N-11HZ TO BE LOCATED 233' FSL AND 2315' FWL

## LEGEND

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

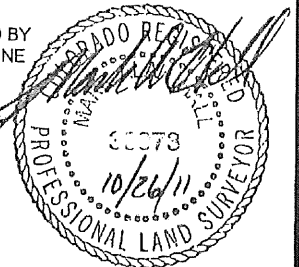


## NOTES:

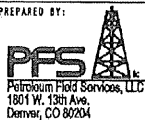
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S.  
DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:



FIELD DATE:  
10-14-11

DRAWING DATE:  
10-24-11

BY:  
SMF

SURFACE LOCATION:

SE 1/4 SW 1/4,  
SEC. 14, T2N, R65W, 6TH P.M.  
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.



# WELL LOCATION CERTIFICATE: WEICHEL 30N-23HZ

SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.

W ¼ SEC. 14  
2" ALUM. CAP  
PLS 25937

E ¼ SEC. 14  
3 ¼" ALUM. CAP  
PLS 10855

(BASIS OF BEARINGS) SEE NOTE 3  
N 00°14'52" W 2652.50'

SURFACE LOCATION  
GROUND ELEVATION= 4879'  
NAD83  
LATITUDE= 40.132618°  
LONGITUDE= 104.623106°

LATITUDE= 40°07'57.425"  
LONGITUDE= 104°37'23.182"

BOTTOM HOLE LOCATION  
NAD83  
LATITUDE= 40.130966°  
LONGITUDE= 104.638996°

LATITUDE= 40°07'51.478"  
LONGITUDE= 104°38'20.385"

SW SEC. 14  
2" ALUM. CAP  
PLS 25937

S 89°58'09" W 2669.61'

BH- 145' FNL  
460' FWL

S ¼ SEC. 14  
3 ¼" ALUM. CAP  
PLS 10855

S 81°43'31" W 4484'  
(TRUE S 82°17'30" W)

HSR-WEICHEL  
9-14D  
HSR-WEICHEL  
37-14D  
HSR-WEICHEL  
39-14D

**WEICHEL  
30N-23HZ**

HSR-WEICHEL  
16-14

S 89°55'44" W 2650.77'

SE SEC. 14  
2 ½" ALUM. CAP  
PLS 34980

N 00°18'18" W 2644.45'

S 00°08'23" E 2636.07'

## NOTES:

BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE-RANGELAND  
EXISTING WELL HSR-WEICHEL 9-14D IS 106' NW  
AT 527' FSL & 521' FEL  
EXISTING WELL HSR-WEICHEL 37-14D IS 99' W  
AT 497' FSL & 519' FEL  
EXISTING WELL HSR-WEICHEL 39-14D IS 101' SW  
AT 468' FSL & 517' FEL  
EXISTING WELL HSR-WEICHEL 16-14 IS 56' SW  
AT 467' FSL & 468' FEL  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 400'.

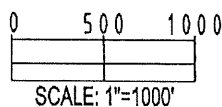
PDOP= 2.1  
GPS OPERATOR: CHRIS BOUB

23

WELL WEICHEL 30N-23HZ TO BE LOCATED 496' FSL AND 420' FEL

## LEGEND

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

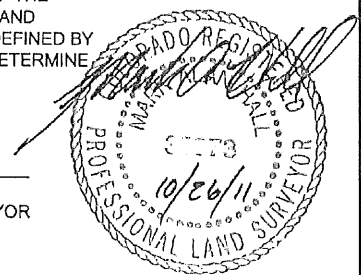


## NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
3. THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



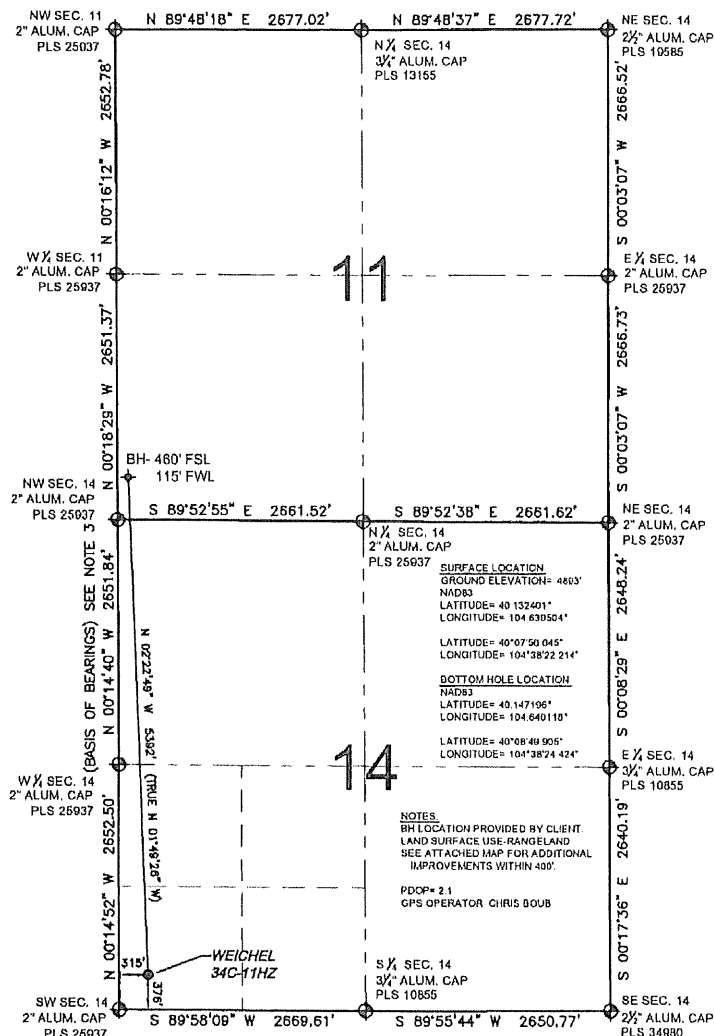
PREPARED BY: <b>PFS</b> Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80224	FIELD DATE: 10-14-11 DRAWING DATE: 10-24-11 BY: SMF	SURFACE LOCATION: SE 1/4 SE 1/4, SEC. 14, T2N, R65W, 6TH P.M. WELD COUNTY, COLORADO
--	--	--

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.



# WELL LOCATION CERTIFICATE: WEICHEL 34C-11HZ

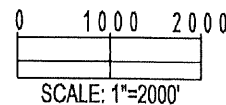
SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL WEICHEL 34C-11HZ TO BE LOCATED 376' FSL AND 315' FWL

## LEGEND

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



## NOTES:

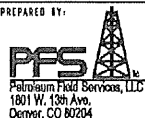
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:



FIELD DATE:  
10-14-11

DRAWING DATE:  
10-21-11

BY:  
SMF

SURFACE LOCATION:

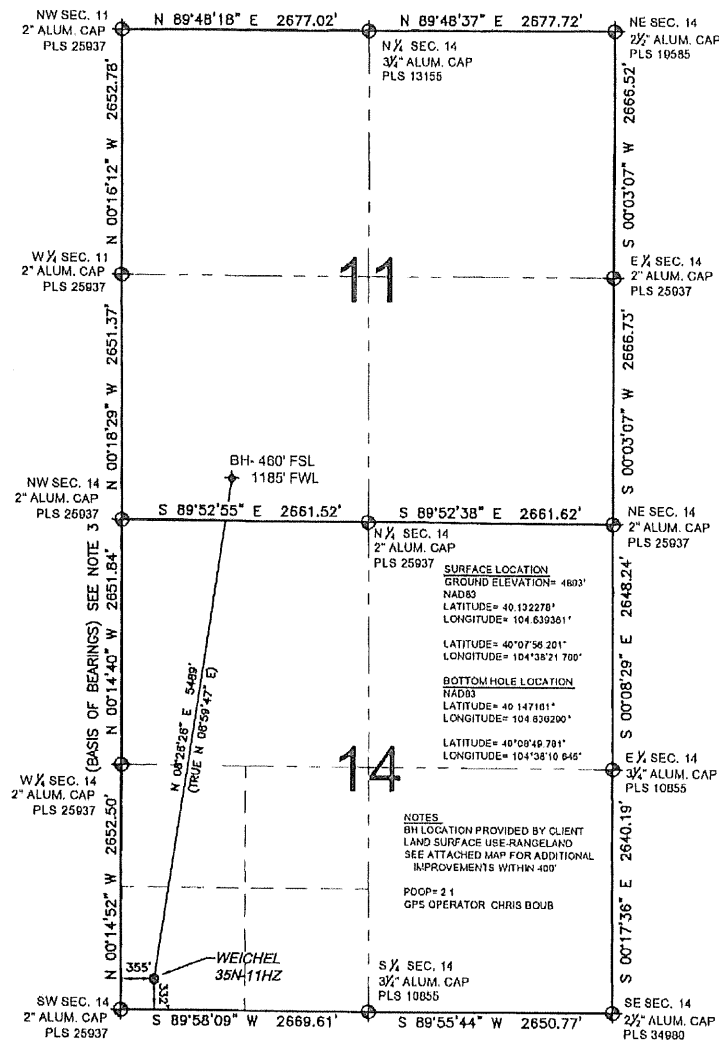
SW 1/4 SW 1/4,  
 SEC. 14, T2N, R65W, 6TH P.M.  
 WELD COUNTY, COLORADO

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.



# WELL LOCATION CERTIFICATE: WEICHEL 35N-11HZ

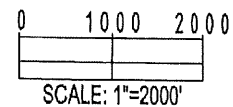
SECTION 14, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL WEICHEL 35N-11HZ TO BE LOCATED 332' FSL AND 355' FWL

## LEGEND

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

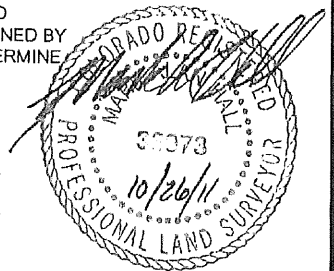


## NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S.  
DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:



FIELD DATE:

10-14-11

DRAWING DATE:

10-24-11

BY:

SMF

SURFACE LOCATION:

SW 1/4 SW 1/4,

SEC. 14, T2N, R65W, 6TH P.M.

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.