

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 TO POOL ALL INTERESTS IN AN )  
APPROXIMATE 720-ACRE DESIGNATED )  
WELLBORE SPACING UNIT LOCATED IN )  
SECTIONS 15, 16, 21, 22, 27 AND 28, )  
TOWNSHIP 2 NORTH, RANGE 66 WEST, 6<sup>TH</sup> )  
P.M., FOR THE CODELL FORMATION, )  
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 an approximate 720-acre wellbore spacing unit to produce oil, gas, and associated hydrocarbons from the Codell Formation for the following described lands:

Cannon State 34C-27HZ Well (API No. Pending) ("Well"):

Township 2 North, Range 66 West, 6<sup>th</sup> P.M.

Section 15: SW $\frac{1}{4}$ SW $\frac{1}{4}$

Section 16: SE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 21: E $\frac{1}{2}$ E $\frac{1}{2}$

Section 22: W $\frac{1}{2}$ W $\frac{1}{2}$

Section 27: W $\frac{1}{2}$ W $\frac{1}{2}$

Section 28: E $\frac{1}{2}$ E $\frac{1}{2}$

Weld County, Colorado (together "Application Lands").

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 entered Order No. 407-87 (amended August 20, 1993), which among other things, established 80-acre drilling and spacing units for the production of oil, gas and associated hydrocarbons from the Codell Formation underlying certain lands, including the Application Lands, with the permitted well locations in accordance with the provisions of Order No. 407-1. Order 407-781 includes portions of the Application Lands, but does not apply and has no effect on the relief requested in this Application.



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 Formations 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. On August 8, 2011, Rule 318A was again amended to, among other things, address drilling of horizontal wells.

5. Pursuant to Rule 318A.e, Applicant designated an approximate 720-acre wellbore spacing unit for the Well for the production of oil, gas, and associated hydrocarbons from Codell Formation. Applicant notified all owners in the proposed wellbore spacing unit pursuant to Rule 318A.e.(6), as applicable. Applicant did not receive any objections to the establishment of the proposed wellbore spacing units within the 30-day response period, and, as such, certifies to the Commission that it did not receive any objections to well location, proposed spacing unit, or proposed formations.

6. Applicant, pursuant to the provisions of C.R.S. § 34-60-116 (6) & (7) and Commission Rule 530, seeks an order pooling all interests, including but not limited to, any nonconsenting interests, in the Well for development and operation of the Codell Formation underlying the following designated 720-acre wellbore spacing unit:

Township 2 North, Range 66 West, 6<sup>th</sup> P.M.

Section 15: SW $\frac{1}{4}$ SW $\frac{1}{4}$

Section 16: SE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 21: E $\frac{1}{2}$ E $\frac{1}{2}$

Section 22: W $\frac{1}{2}$ W $\frac{1}{2}$

Section 27: W $\frac{1}{2}$ W $\frac{1}{2}$

Section 28: E $\frac{1}{2}$ E $\frac{1}{2}$

(hereafter, "the Wellbore Spacing Unit").

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 the Well to the Codell Formation 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 Well, and will be provided with the information required by Rule 530 as applicable. 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 Wellbore Spacing Unit should be pooled for the orderly development of the Codell Formation, 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 Application Lands and the Wellbore Spacing Unit for the development of the Codell Formation.

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) are first incurred for the drilling of each of the Well to the Codell Formation on the Application Lands.

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 Well are pooled by operation of statute, pursuant to C.R.S. § 34-60-116(6) and (7), and made subject to the cost recovery provisions thereof with respect to the Well drilled to develop the Codell Formation in the Wellbore Spacing Unit comprising the Application Lands.

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

DATED this 17<sup>th</sup> day of October, 2013.

Respectfully submitted,

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

By: 

Michael J. Wozniak  
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: Dave Sullivan  
1099 18<sup>th</sup> Street, Suite 1800  
Denver, Colorado 80202



VERIFICATION

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

Dave Sullivan of lawful age, being first duly sworn upon oath, deposes and says that he is 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.


  
\_\_\_\_\_  
Dave Sullivan  
Kerr-McGee Oil & Gas Onshore LP      *TKG*

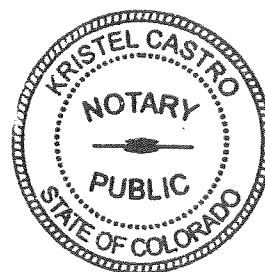
Subscribed and sworn to before this 17<sup>th</sup> day of October, 2013.

Witness my hand and official seal.

[SEAL]

My commission expires: 2/4/2015

  
\_\_\_\_\_  
Notary Public





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 TO POOL ALL INTERESTS IN AN )  
APPROXIMATE 720-ACRE DESIGNATED )  
WELLBORE SPACING UNIT LOCATED IN )  
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P.M., FOR THE CODELL FORMATION, )  
WATTENBERG FIELD, WELD COUNTY, )  
COLORADO )

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

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

**AFFIDAVIT OF MAILING**

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

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

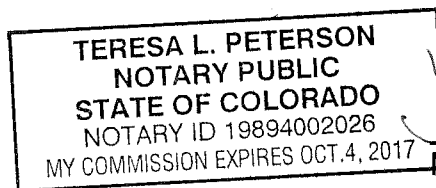
That she is a Legal Assistant at Beatty & Wozniak, P.C., attorneys for Kerr-McGee Oil & Gas Onshore LP, and on or before October 24<sup>th</sup>, 2013, caused a copy of the attached Application to be deposited in the United States Mail, postage prepaid, addressed to the parties listed on Exhibit A to the Application.

  
\_\_\_\_\_  
Jennifer L. Pittenger

Subscribed and sworn to before me October 17 2013.

Witness my hand and official seal.

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



  
\_\_\_\_\_  
Notary Public



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

Kerr-Mcgee Oil And Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202

Anadarko E&P Compnay LP  
1099 18th Street, Suite 1800  
Denver, CO 80202

Noble Energy, Inc.  
1625 Broadway, Suite 2200  
Denver, CO 80202

Encana Oil & Gas (USA) Inc  
370 17th Street, Suite 1700  
Denver, Colorado 80202

PDC Energy, Inc.  
1775 Sherman Street, Suite 3000  
Denver, CO 80203

Mission Oil Corporation  
Gunter B. Hafer  
410 17th Street, Suite 1170  
Denver, CO 80202

Mission Oil Corporation  
(a dissolved corporation)  
1600W. First St.  
Loveland, CO 80537

Gerhard Maier  
4605 Reed St.  
Wheat Ridge, CO 80030

Ursula Coltharp  
2298 E. Piazza Place  
Grand Junction, CO 81506

Xcel Energy, Inc. (as successor to Public  
Service Company of Colorado)  
414 Nicollet Mall  
Minneapolis, MN 55401

Robin P. Valois and Michelle A. Valois, JT  
14950 County Road 18  
Fort Lupton, CO 806021

Carmona Margarita  
420 South 2nd Street  
LaSalle, CO 80645

Weld County, Colorado  
c/o Board of County Commissioners  
1150 "O" Street P.O. Box 758  
Greeley, CO 80632

Martin Gutierrez and Bertha A. Gutierrez, joint  
tenants  
7717 County Road 31  
Fort Lupton, CO 80621-4036

William I. McQueary, Sr. and Ann McQueary,  
joint tenants  
14519 County Road 16  
Fort Lupton, Colorado 80621

Jonathan Mahann Glover and Dona Jeanne  
Glover, joint tenants  
7241 County Road 31  
Fort Lupton, Colorado 80621

Jonathan D. Glover and Jonathan M. Glover,  
joint tenants  
7261 County Road 31  
Fort Lupton, Colorado 80621

Fort Lupton East, LLP,  
a Colorado limited liability partnership  
8791 Circle Drive  
Westminster, Colorado 80631

Mary Elizabeth Boston,  
a/k/a Mary Elizabeth Dempsey  
2117 Diane Way  
Lakeport, CA 95453

John Thomas Boston, an incapacitated  
person Patrick M. Groom, Trustee Witwer,  
Oldenburg, Barry, et al.  
822 7th Street, Suite 760  
Greeley, Colorado 80631



John Michael Farrell  
8145 West 71st Ave.  
Arvada, Colorado 80004

Dorothy May Bird  
7241 Weld County Road 31  
Fort Lupton, Colorado 80621

D5 Minerals, LP, a Texas limited partnership  
P.O. Box 61111  
San Antonio, Texas 78209

Nancy Louise Holton  
7241 Weld County Road 31  
Fort Lupton, Colorado 80621

Beverly Hamm  
Route 1 Box 1430  
Thorsby, Alabama 35171

Elaine M. Martin  
121 Foxdale Place  
Escondido, CA 92027

Robert John Schlegel and Edna Mae  
Schlegel, Co-Trustees of the Schlegel Trust  
dated March 14, 1988  
2895 Brentwood Court  
Carlsbad, California 92008

David Breickler  
P.O. Box 424  
Hudson, Colorado 80642

Estate of Douglas E. Breickler, Shirley  
Breickler, Personal Representative  
15169 Nancy Ave.  
Fort Lupton, Colorado 80621

Jacobson Family Trust  
no address available

Jackie A. Scott  
3442 South 62nd Road B-3  
Humansville, Missouri 65674

Kevin Clark Scott  
11570 Scout Camp  
Bismark, Missouri 63624

Leslie Renee Scott  
RR#1 Box 71  
Weaubleau, Missouri 65774

Tracy Lyn Mason  
511 North Arthur  
Humansville, Missouri 65674

Kelly W. Scott  
201 E. 368th Road  
Dunnegan, Missouri 65640

K & J Royalty Corporation,  
a Colorado corporation  
10735 Yates Drive  
Westminster, Colorado 80031

K. P. Kauffman Company, Inc  
1675 Broadway, Suite 2800  
Denver, CO 80202

Macey & Mershon Oil Inc  
P.O. Box 2210  
Denver, CO 80201

U.S. National Bank Association,  
Trustee of Paul Girard Schomber Trust  
U.S. National Bank Association  
c/o US Bank Real Estate Tax Desk  
Box 64142, St. Paul, MN 55164-0142

Ruth M. Martin  
8592 WCR 24  
Ft. Lupton, CO 80504

Mindy Rene Sprague  
10732 WCR 17  
Longmont, CO 80504

Justin Robert Sprague  
430 Creekside St.  
Anchorage, AL 99504

Tina Kay Sprague Trust  
818 Busch St.  
Longmont, CO 80501



John Jay Pointer and Susan Stambaugh-  
Pointer,  
joint tenants  
15104 WCR 20  
Ft. Lupton, CO 80621-9124

Marjorie Ainsworth  
5023 Guinevere Dr.  
San Antonio, TX 78218

Alan Travis and Mary Travis  
1927 East Betty Elyse Lane,  
Phoenix, AZ 85022

Jane Elizabeth Carlson  
3400 Exmoor Mile Rd.  
Byers, CO 80103

Adantes Marlene Enrici  
11403 N. 113th Dr.  
Youngstown, AZ 85363

Michelle Leggins Tantarelli  
1316 Miller Dr.  
Santa Rosa, CA 95405

Michael Leggins  
2052 Bigham Ct.  
Eureka, CA 95503

Greg Leggins  
1029 Badger Ct.  
Santa Rosa, CA 95405

Douglas Leggins  
2149 Bluebird Lane  
Sacramento, CA 95821

Denise Leggins  
1316 Miller Dr.  
Santa Rosa, CA 95405

Lynn Leggins Russell  
25 Caulfield Ct.  
Petaluma, CA 94952

Rick Leggins aka David Rick Leggins  
99 E. Middlefield Rd., #3  
Mountain View, CA 94043

Dorothy Leggins Ako  
216 Ezra Ave.,  
Santa Rosa, CA 95401

James D. Brownlie  
135 Lafayette,  
Denver, CO 80206

Hoefle Royalty Partners,  
a Montana general partnership  
2812 1st Avenue North, Suite 502  
Billings, Montana 59101

JPFP Family, LLC,  
a New Mexico limited liability company  
P.O. Box 0051,  
Broomfield, CO 80038-0051

Mark S. Wallace  
2200 South Corona  
Denver, CO 80210

Eileen M. Hladky  
14168 WCR 18.5  
Ft. Lupton, CO 80621

William D. Lansdown  
15697 E. Monmouth Place  
Aurora, CO 80015

Manuel Luis, Sr  
14705 WCR 18,  
Ft. Lupton, CO 80621

Ronald K. Barnes  
1908 New Hampshire Ave. NW  
Washington, DC 20009

Barry Remington, Trustee of the Marilyn V.  
Stone Irrevocable Trust  
645 East Wiggins St.  
Superior, CO 80027

Richard L. Hein  
6578 WCR 23,  
Ft. Lupton, CO 80621



Timothy J. Gonzales  
14477 WCR 18  
Ft. Lupton, CO 80621

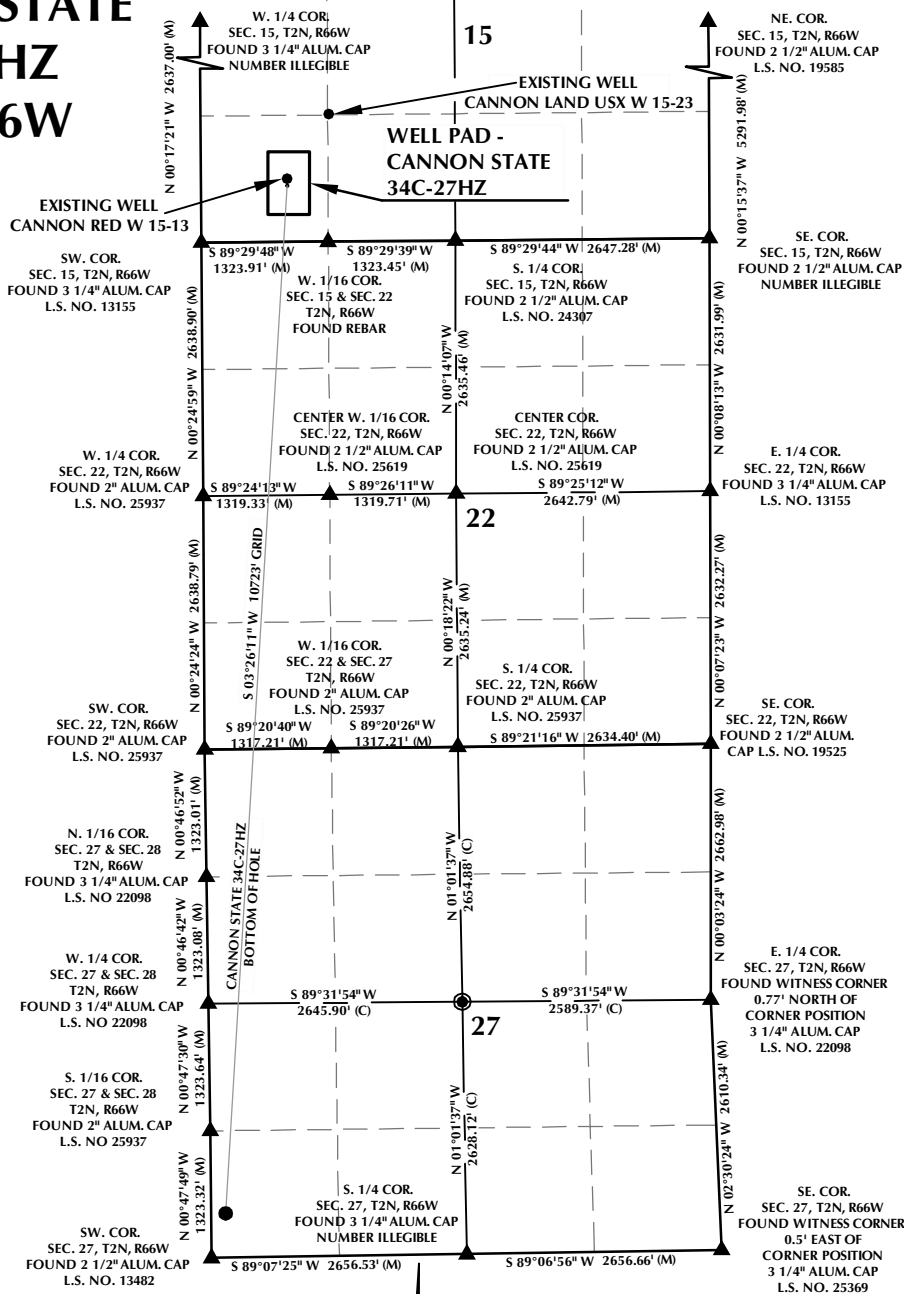
Public Service Company of Colorado  
P.O. Box 1979,  
Denver, CO 80201-1979

Weld County, CO  
915 10th Street  
Greeley, CO 80631

State of Colorado  
Acting By and Through The State Board of  
Land Commissioners  
1313 Sherman St., Room 620  
Denver, CO 80203



# CANNON STATE 34C-27HZ T2N, R66W



**WELL NOTES:**  
CANNON STATE 34C-27HZ  
SURFACE: 588' FSL, 900' FWL  
BOTTOM HOLE: 460' FSL, 150' FWL

**NOTES:**

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99972183
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.

**WELL PAD - CANNON STATE 34C-27HZ**

**INTERFERENCE DIAGRAM  
CANNON STATE 34C-27HZ  
LOCATED IN SECTIONS 15, 22 & 27  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO**

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



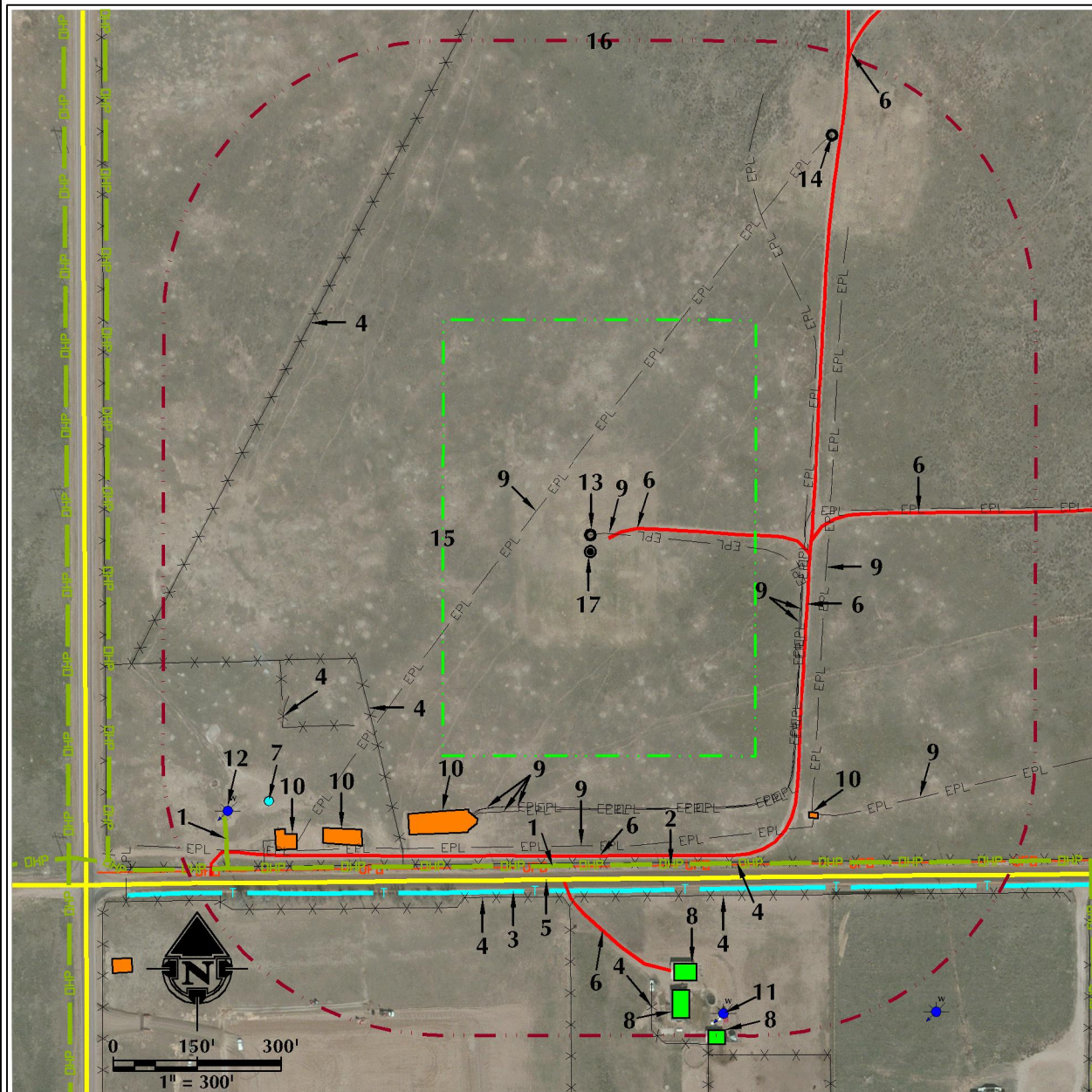
**CONSULTING, LLC**

**SHERIDAN OFFICE**  
2155 North Main Street  
Sheridan, Wyoming 82801  
Phone 307-674-0609

**LOVELAND OFFICE**  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

DRAFTED BY:	APF	CHECKED BY:	BJR
DATE DRAFTED:	8/26/13	DATE SURVEYED:	8/21/13
REVISED:		FILE NAME:	13-83





## FEATURE NOTES

- OVERHEAD POWER LINES ARE  $\pm 560'$  S AND  $\pm 809'$  SW.
- BURIED FIBER OPTIC LINE IS  $\pm 563'$  S.
- EXISTING BURIED TELEPHONE LINE IS  $\pm 606'$  S.
- EXISTING FENCES ARE  $\pm 557'$  S,  $\pm 618'$  S,  $\pm 620'$  S,  $\pm 778'$  S,  $\pm 461'$  SW,  $\pm 525'$  SW AND  $\pm 635'$  NW.
- COUNTY ROAD 20 IS  $\pm 585'$  S.
- EXISTING PRIMITIVE ROADS ARE  $\pm 41'$  NE,  $\pm 992'$  NE,  $\pm 392'$  E,  $\pm 396'$  E,  $\pm 544'$  S AND  $\pm 588'$  S.
- EXISTING STOCK TANK IS  $\pm 728'$  SW.
- EXISTING BUILDINGS/RESIDENCES ARE  $\pm 752'$  S,  $\pm 798'$  S AND  $\pm 881'$  S.
- EXISTING BURIED PIPELINES ARE  $\pm 30'$  N,  $\pm 380'$  E,  $\pm 382'$  E,  $\pm 422'$  E,  $\pm 621'$  SE,  $\pm 459'$  S,  $\pm 460'$  S,  $\pm 461'$  S,  $\pm 526'$  S AND  $\pm 122'$  NW.
- EXISTING PRODUCTION FACILITIES ARE  $\pm 608'$  SE,  $\pm 510'$  SW,  $\pm 645'$  SW AND  $\pm 729'$  SW.
- EXISTING WATER WELL (WELL CONSTRUCTED #228963) IS  $\pm 860'$  S. (NOT FIELD VERIFIED)
- EXISTING WATER WELL (WELL CONSTRUCTED #34176) IS  $\pm 798'$  SW.
- EXISTING WELL: CANNON RED W 15-13 IS  $\pm 30'$  N.
- EXISTING WELL: CANNON LAND USX W 15-23 IS  $\pm 862'$  NE.
- PROPOSED WELL PAD: CANNON STATE 34C-27HZ
- WELL PAD 500' BUFFER
- PROPOSED WELL: CANNON STATE 34C-27HZ

## LEGEND

- |  |                |  |                      |
|--|----------------|--|----------------------|
|  | EXISTING WELL  |  | EXISTING PIPELINE    |
|  | PROPOSED WELL  |  | OVERHEAD POWER LINE  |
|  | WATER WELL     |  | BURIED POWER LINE    |
|  | EXISTING FENCE |  | BURIED FIBER OPTIC   |
|  | COUNTY ROAD    |  | BURIED TELEPHONE     |
|  | IMPROVED ROAD  |  | DITCH/CANAL/DRAINAGE |
|  | PRIMITIVE ROAD |  | ELECTRIC BOX         |
|  | 500' BUFFER    |  | PRODUCTION FACILITY  |
|  | WELL PAD       |  | BUILDINGS/RESIDENCES |
|  | PROPOSED       |  | POND                 |
|  | FACILITY PAD   |  | WETLANDS             |
|  |                |  | STOCK TANK           |

## LOCATION DRAWING - CANNON STATE 34C-27HZ

**WELL PAD - LOCATION DRAWING**  
**CANNON STATE 34C-27HZ**  
 LOCATED IN SW1/4 SW1/4  
 SECTION 15, T2N, R66W, 6TH P.M.  
 WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
 Gas Onshore L.P.**  
 1099 18th Street  
 Denver, Colorado 80202



**LOVELAND OFFICE**  
 1635 Foxtrail Drive, Suite 204  
 Loveland, Colorado 80538  
 Phone 970-776-4331

**SHERIDAN OFFICE**  
 2155 North Main Street  
 Sheridan, Wyoming 82801  
 Phone 307-674-0609

## DATA SOURCES:

- AERIAL COURTESY OF ESRI, INC.  
 - WATER WELLS COURTESY OF COLORADO  
 DIVISION OF WATER RESOURCES

SURFACE USE: RANGELAND

SCALE: 1" = 300'

DATE:  
 REVISED:

## ALL MEASUREMENTS ARE MADE FROM

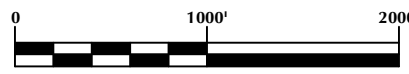
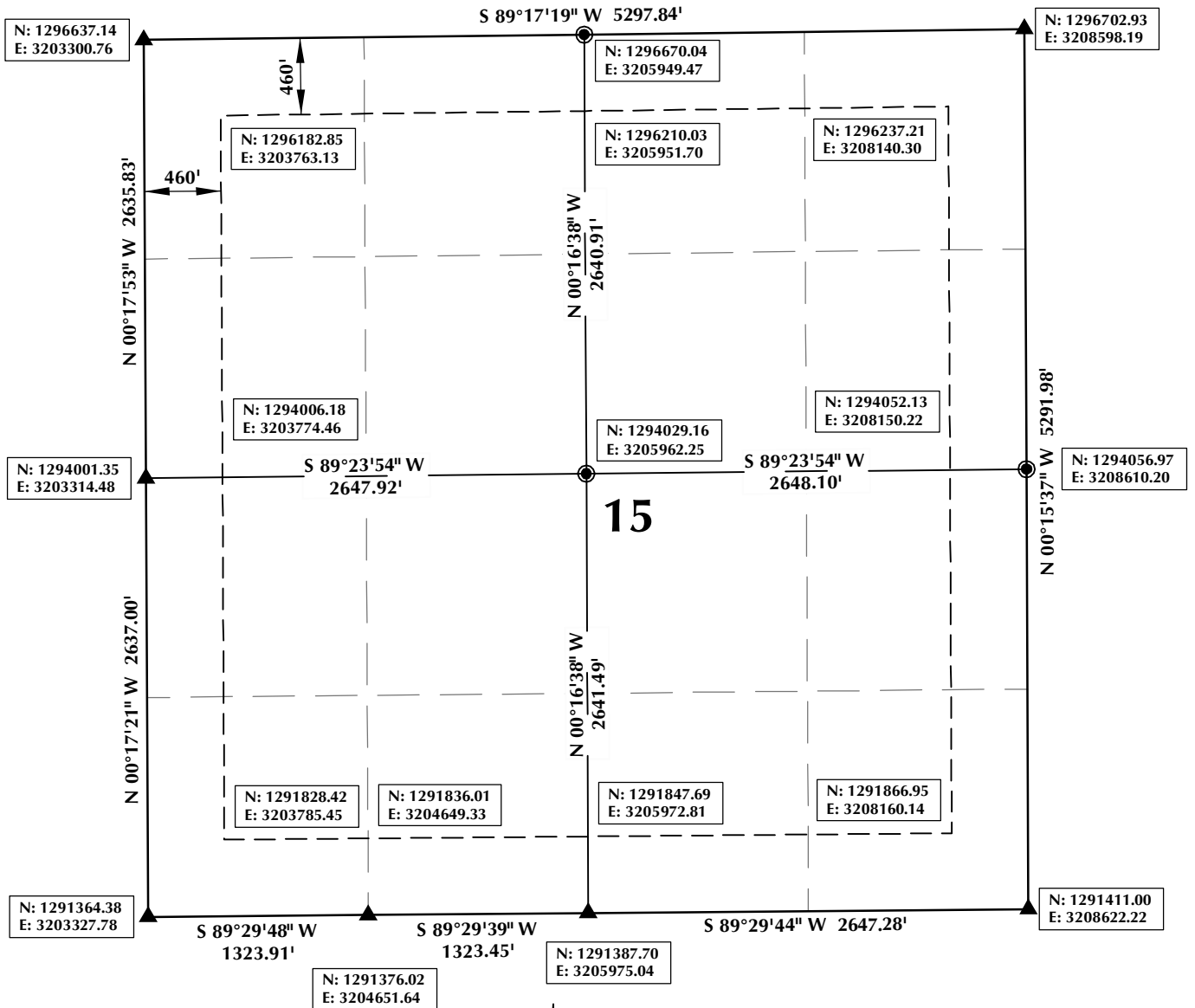
REFERENCE WELL:  
 CANNON STATE 34C-27HZ  
 LAT: 40.132516° (NAD83)  
 LONG: -104.769598° (NAD83)  
 EXISTING GROUND ELEVATION= 5000.5'  
 WELL FOOTAGES: 588' FSL & 900' FWL

DATE SURVEYED: 8/21/13

8/26/13



# COORDINATE EXHIBIT SECTION 15, T2N, R66W



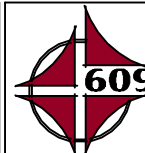
SCALE: 1" = 1000'

## NOTES:

1. ▲ INDICATES FOUND SECTION CORNER
2. ● INDICATES CALCULATED CORNER
3. BEARINGS ARE BASED ON GRID NORTH, COLORADO STATE PLANE NORTH GRID (NAD 83)
4. DRAWING N/E COORDINATES ARE BASED ON COLORADO STATE PLANE NORTH GRID (NAD 83)

COORDINATE EXHIBIT  
SECTION 15, T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



## CONSULTING, LLC

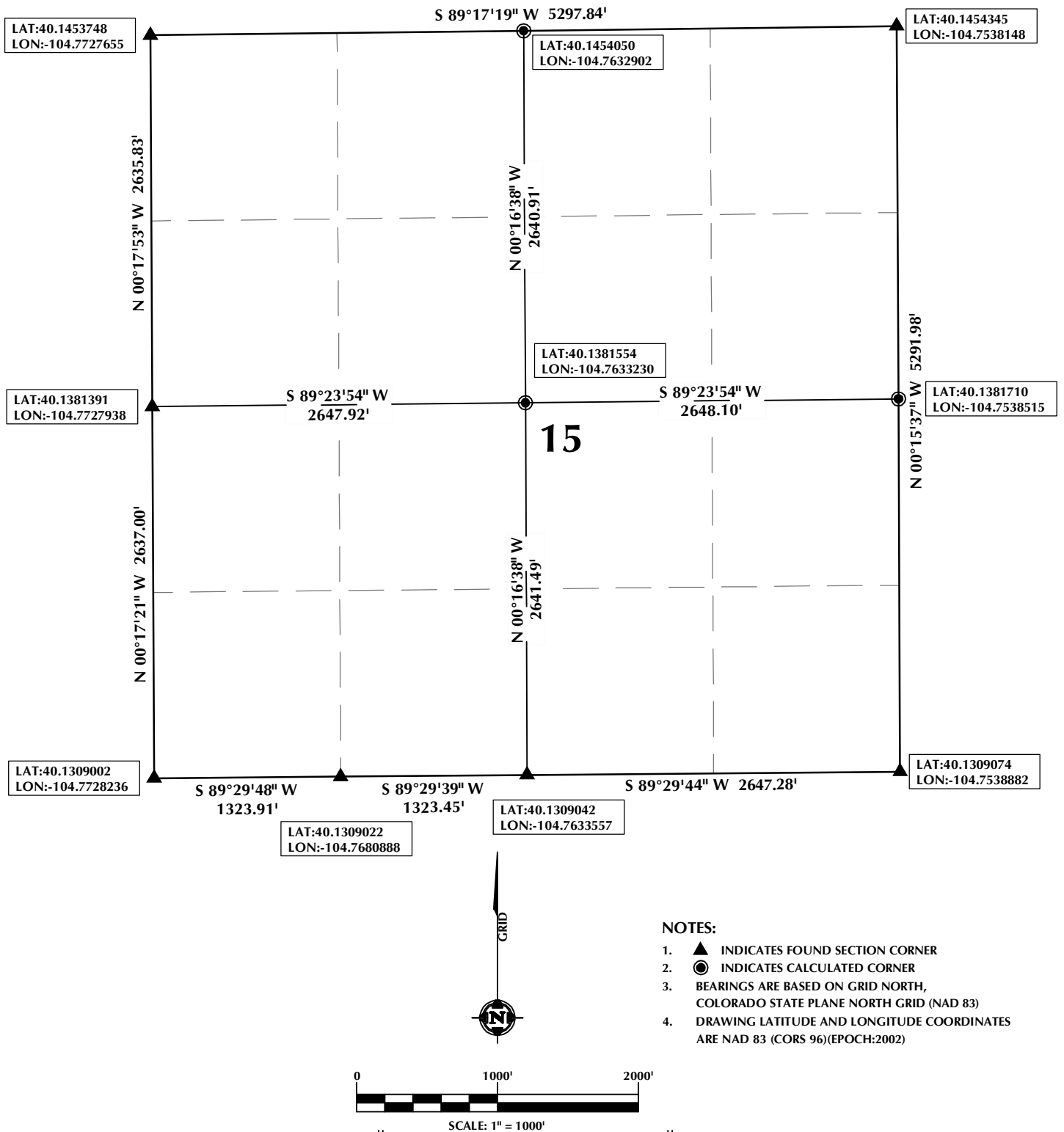
SHERIDAN OFFICE  
2155 North Main Street  
Sheridan, Wyoming 82801  
Phone 307-674-0609

LOVELAND OFFICE  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

DRAFTED BY:	APF	CHECKED BY:	BJR
DATE DRAFTED:	8/26/13	DATE SURVEYED:	8/21/13
REVISED:		FILE NAME:	13-83



# LAT/LONG EXHIBIT SECTION 15, T2N, R66W



## NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- BEARINGS ARE BASED ON GRID NORTH, COLORADO STATE PLANE NORTH GRID (NAD 83)
- DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (CORS 96)(EPOCH:2002)

**LAT/LONG EXHIBIT  
SECTION 15, T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO**

**Kerr-McGee Oil &  
Gas Onshore L.P.  
1099 18th Street  
Denver, Colorado 80202**



## CONSULTING, LLC

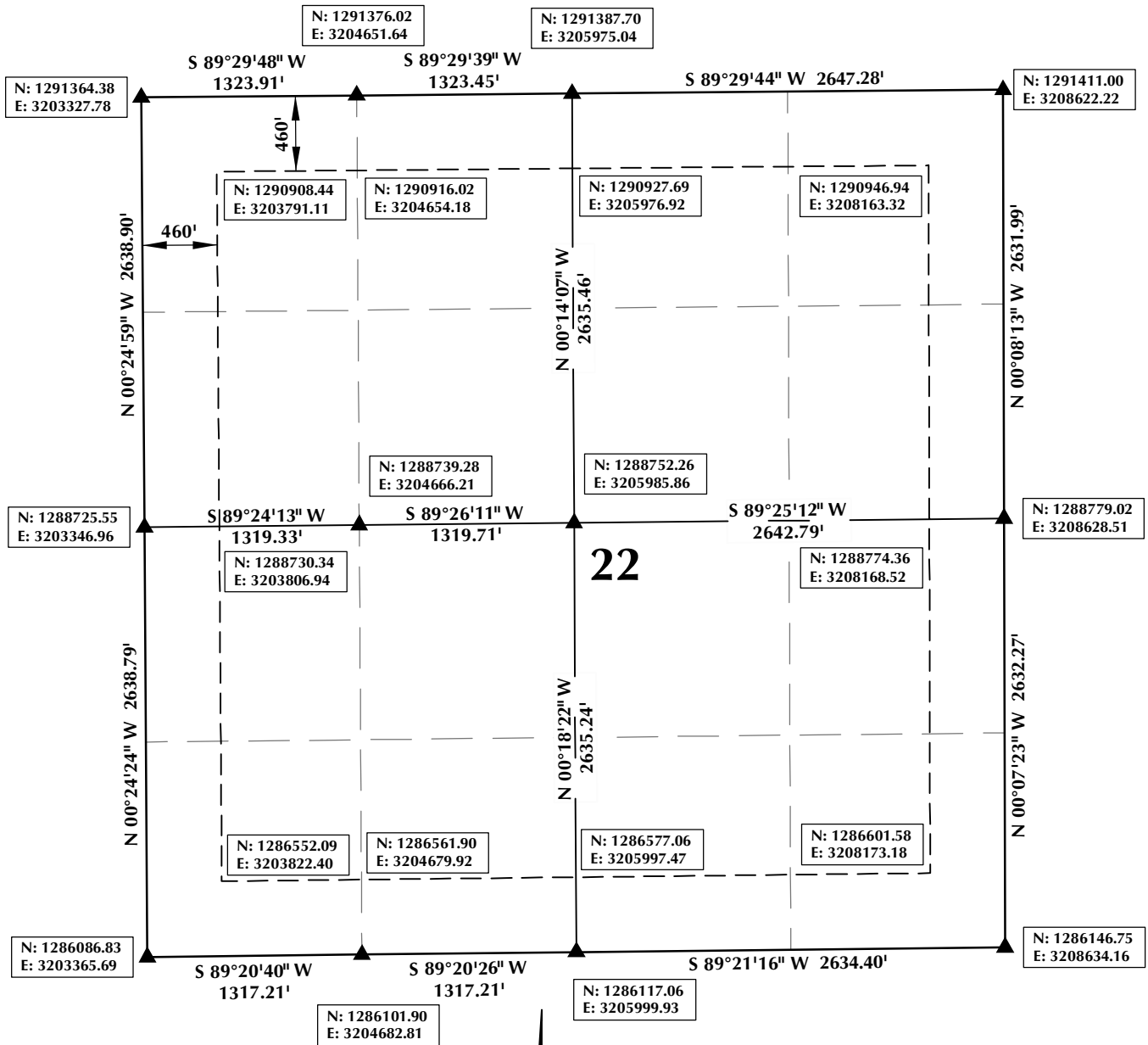
**SHERIDAN OFFICE**  
2155 North Main Street  
Sheridan, Wyoming 82801  
Phone 307-674-0609

**LOVELAND OFFICE**  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

DRAFTED BY:	APF	CHECKED BY:	BJR
DATE DRAFTED:	8/26/13	DATE SURVEYED:	8/21/13
REVISED:		FILE NAME:	13-61

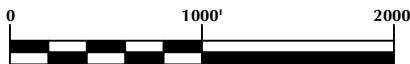


# COORDINATE EXHIBIT SECTION 22, T2N, R66W



## NOTES:

1. ▲ INDICATES FOUND SECTION CORNER
2. ● INDICATES CALCULATED CORNER
3. BEARINGS ARE BASED ON GRID NORTH, COLORADO STATE PLANE NORTH GRID (NAD 83)
4. DRAWING N/E COORDINATES ARE BASED ON COLORADO STATE PLANE NORTH GRID (NAD 83)



SCALE: 1" = 1000'

COORDINATE EXHIBIT  
SECTION 22, T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



**CONSULTING, LLC**

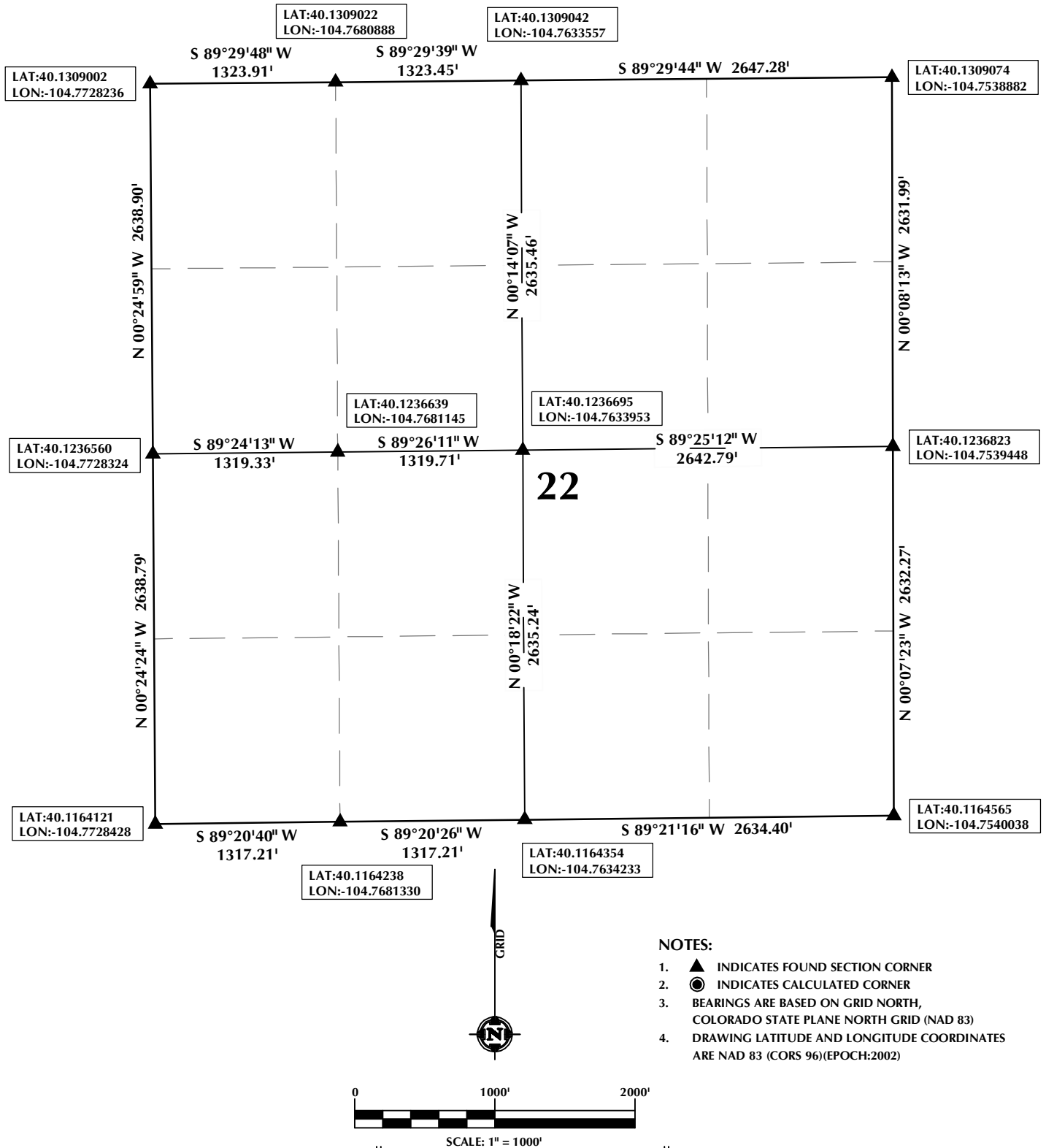
SHERIDAN OFFICE  
2155 North Main Street  
Sheridan, Wyoming 82801  
Phone 307-674-0609

LOVELAND OFFICE  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

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REVISED:		FILE NAME:	13-83



# LAT/LONG EXHIBIT SECTION 22, T2N, R66W



**LAT/LONG EXHIBIT  
SECTION 22, T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO**

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



**CONSULTING, LLC**

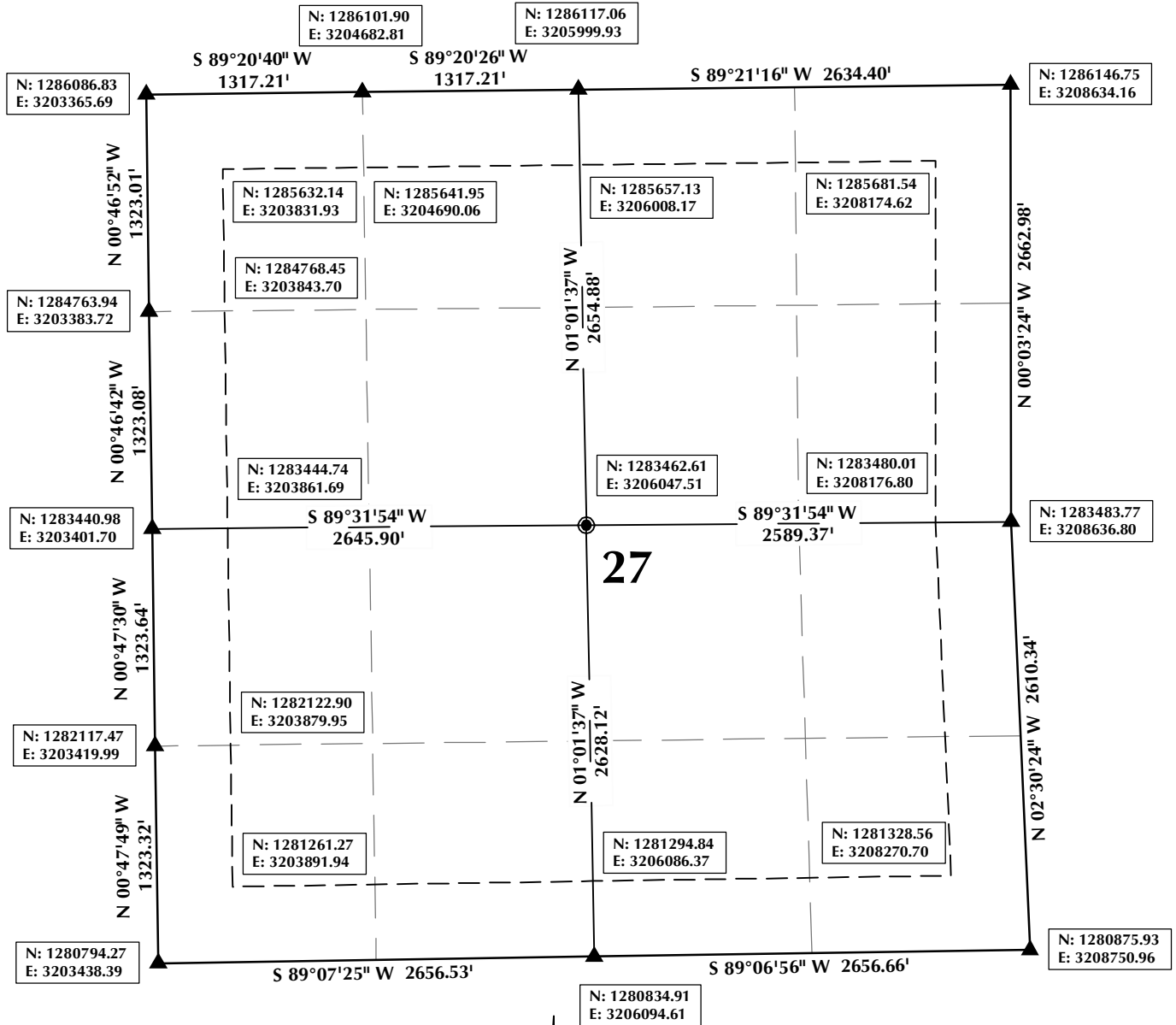
**SHERIDAN OFFICE**  
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Sheridan, Wyoming 82801  
Phone 307-674-0609

**LOVELAND OFFICE**  
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Loveland, Colorado 80538  
Phone 970-776-4331

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DATE DRAFTED:	8/26/13	DATE SURVEYED:	8/21/13
REVISED:		FILE NAME:	13-61

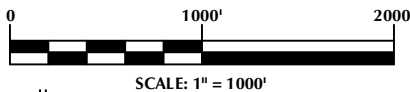


# COORDINATE EXHIBIT SECTION 27, T2N, R66W



## NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- BEARINGS ARE BASED ON GRID NORTH, COLORADO STATE PLANE NORTH GRID (NAD 83)
- DRAWING N/E COORDINATES ARE BASED ON COLORADO STATE PLANE NORTH GRID (NAD 83)



**COORDINATE EXHIBIT  
SECTION 27, T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO**

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



**CONSULTING, LLC**

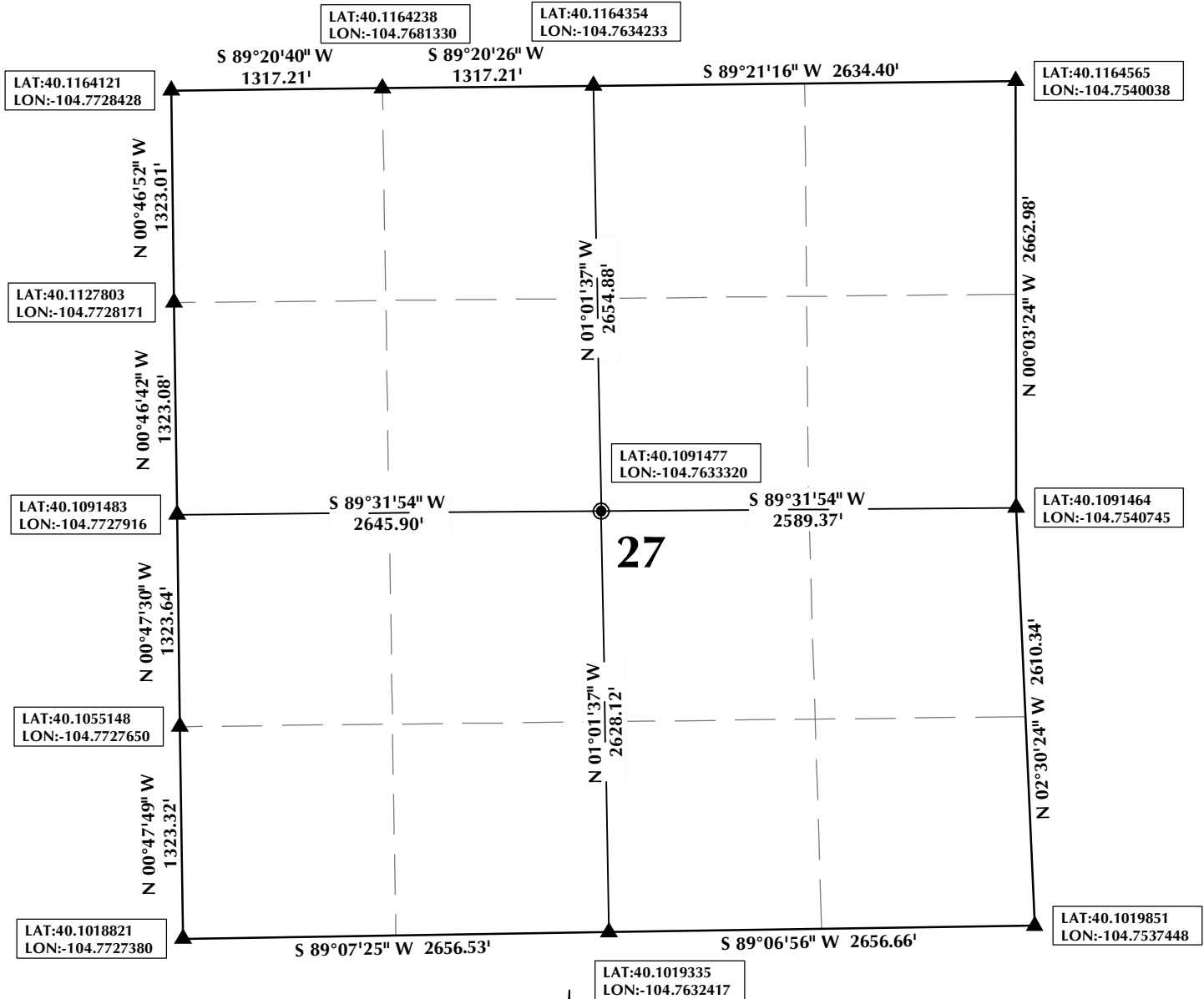
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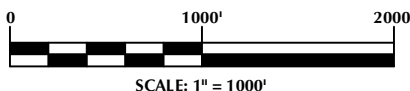


# LAT/LONG EXHIBIT SECTION 27, T2N, R66W



## NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- BEARINGS ARE BASED ON GRID NORTH, COLORADO STATE PLANE NORTH GRID (NAD 83)
- DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (CORS 96)(EPOCH:2002)



**LAT/LONG EXHIBIT  
SECTION 27, T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO**

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



**CONSULTING, LLC**

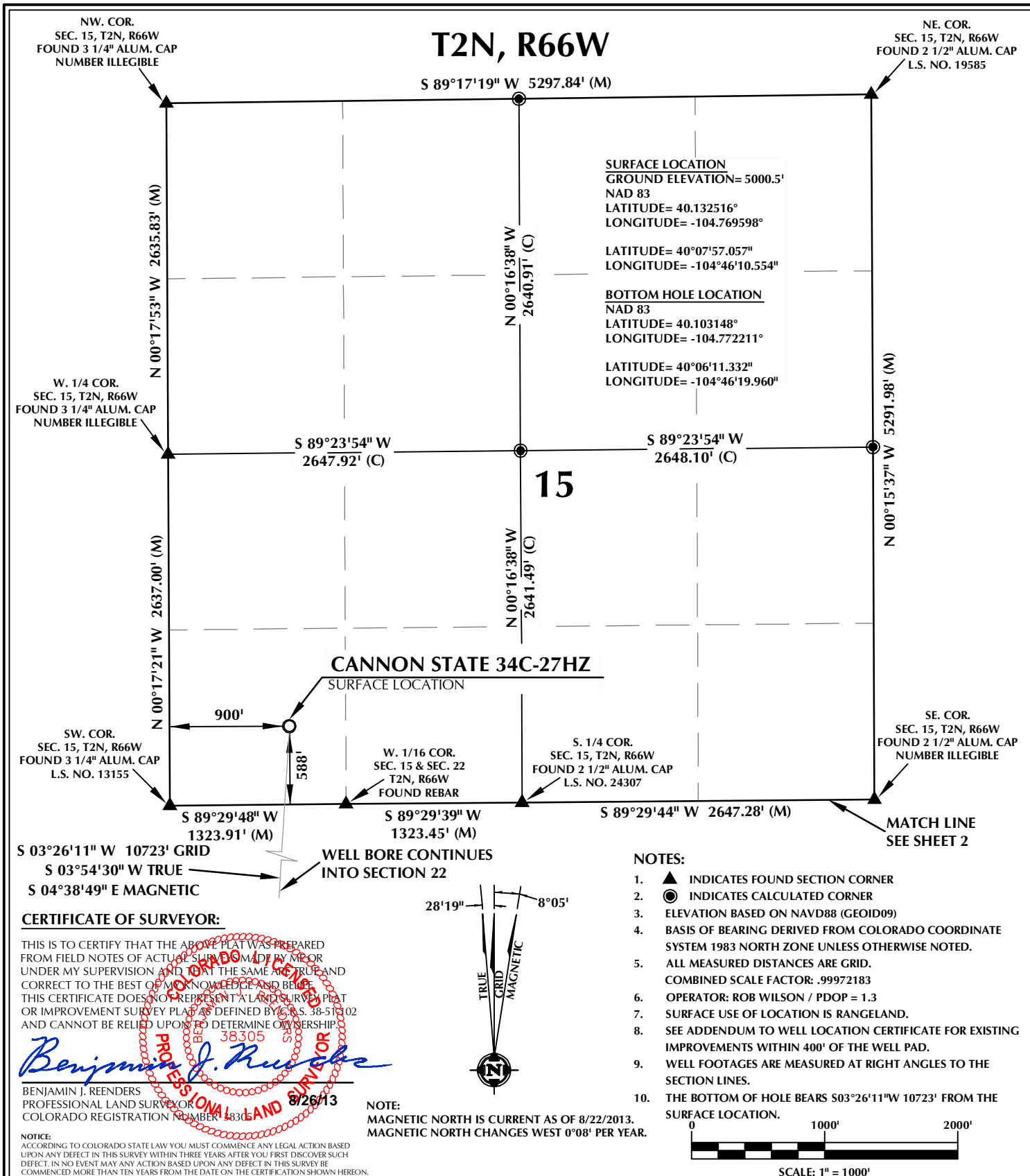
**SHERIDAN OFFICE**  
2155 North Main Street  
Sheridan, Wyoming 82801  
Phone 307-674-0609

**LOVELAND OFFICE**  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

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REVISED:		FILE NAME:	13-61



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## WELL PAD - CANNON STATE 34C-27HZ

CANNON STATE 34C-27HZ  
WELL LOCATION CERTIFICATE  
588' FSL & 900' FWL SWSW (SURFACE)  
LOCATED IN SECTION 15  
460' FSL & 150' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 27  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
Gas Onshore L.P.**

1099 18th Street  
Denver, Colorado 80202



## CONSULTING, LLC

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Sheridan, Wyoming 82801  
Phone 307-674-0609

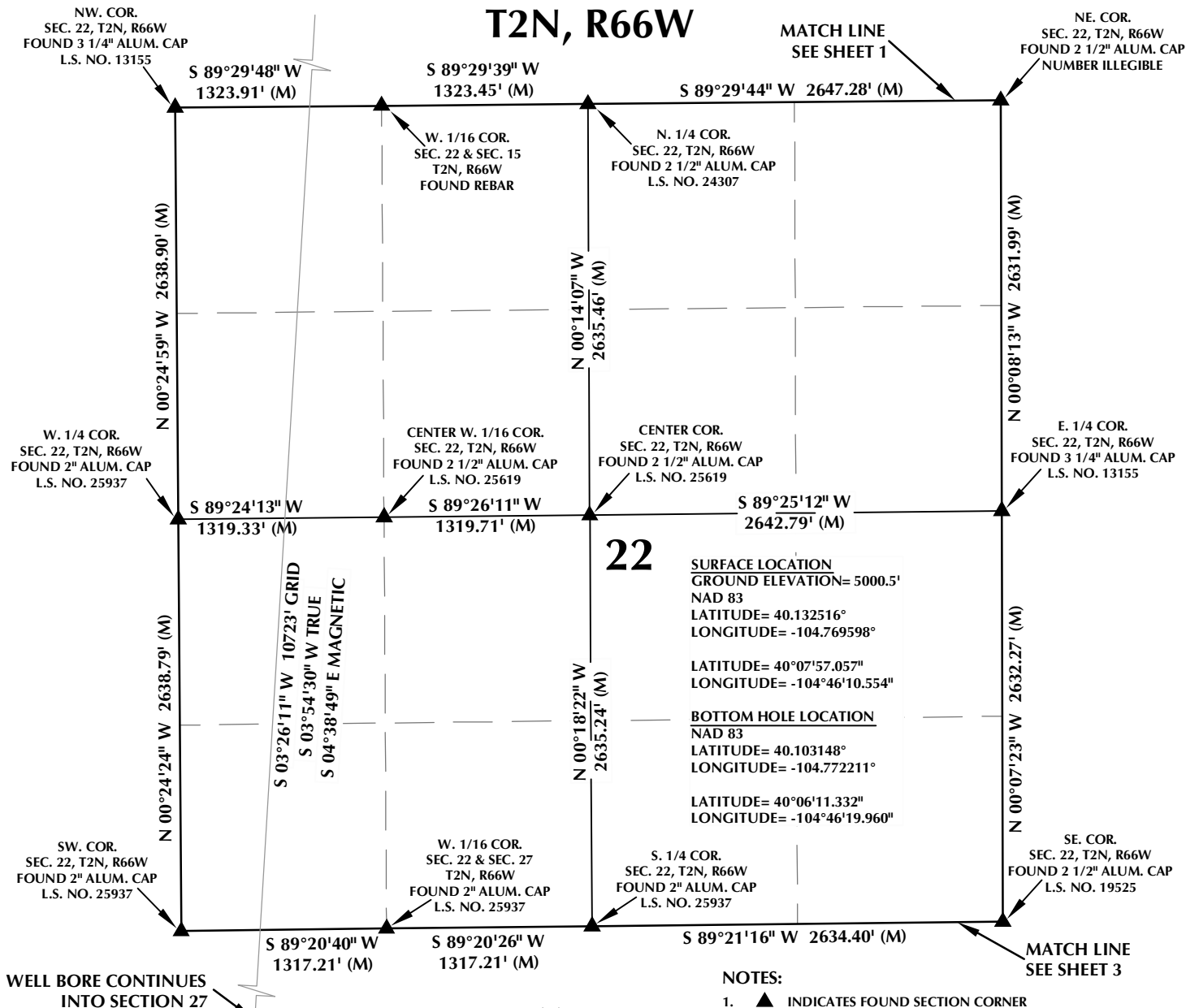
LOVELAND OFFICE  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

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T2N, R66W



#### CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

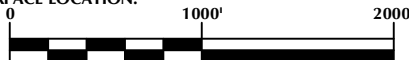
*Benjamin J. Reenders*  
BENJAMIN J. REENDERS  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 183613

NOTICE:  
ACCORDING TO COLORADO STATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 8/22/2013.  
MAGNETIC NORTH CHANGES WEST 0°08' PER YEAR.

#### NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID.  
COMBINED SCALE FACTOR: .99972183
- OPERATOR: ROB WILSON / PDOP = 1.3
- SURFACE USE OF LOCATION IS RANGELAND.
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 400' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS S03°26'11"W 10723' FROM THE SURFACE LOCATION.



SCALE: 1" = 1000'

#### WELL PAD - CANNON STATE 34C-27HZ

CANNON STATE 34C-27HZ  
WELL LOCATION CERTIFICATE  
588' FSL & 900' FWL SWSW (SURFACE)  
LOCATED IN SECTION 15  
460' FSL & 150' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 27  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

Kerr-McGee Oil &  
Gas Onshore L.P.  
1099 18th Street  
Denver, Colorado 80202



#### CONSULTING, LLC

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Sheridan, Wyoming 82801  
Phone 307-674-0609

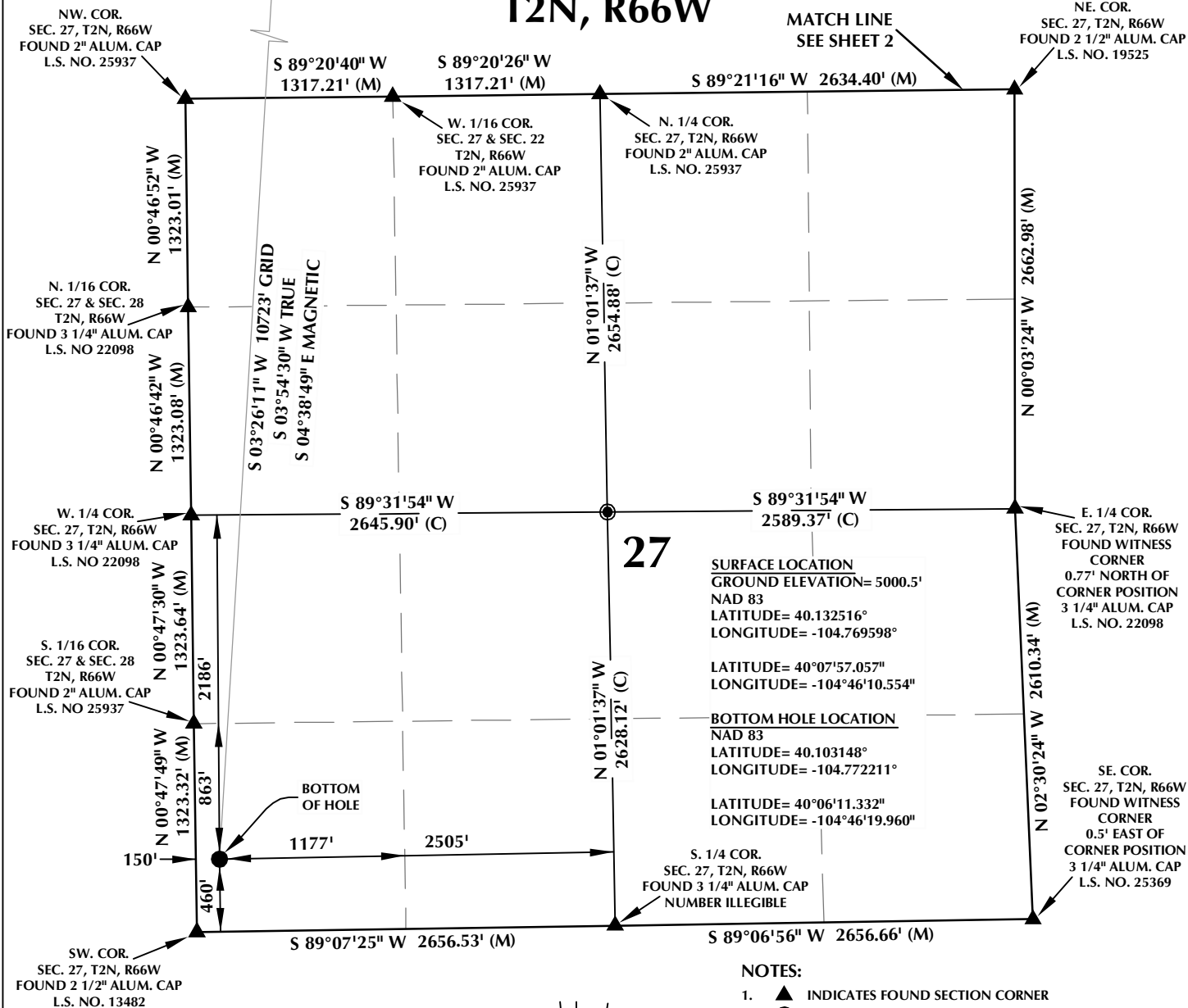
LOVELAND OFFICE  
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Loveland, Colorado 80538  
Phone 970-776-4331

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REVISED:		FILE NAME:	13-83	2 OF 3



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T2N, R66W

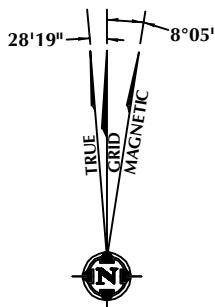


#### CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.S. 38-513-02 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

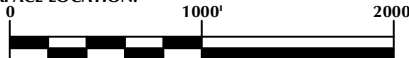
*Benjamin J. Reenders*  
BENJAMIN J. REENDERS  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 48305  
8/26/13

NOTICE:  
ACCORDING TO COLORADO STATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.



#### NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID.  
COMBINED SCALE FACTOR: .99972183
- OPERATOR: ROB WILSON / PDOP = 1.3
- SURFACE USE OF LOCATION IS RANGELAND.
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 400' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS S03°26'11"W 10723' FROM THE SURFACE LOCATION.



#### WELL PAD - CANNON STATE 34C-27HZ

CANNON STATE 34C-27HZ  
WELL LOCATION CERTIFICATE  
588' FSL & 900' FWL SWSW (SURFACE)  
LOCATED IN SECTION 15  
460' FSL & 150' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 27  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

Kerr-McGee Oil &  
Gas Onshore L.P.  
1099 18th Street  
Denver, Colorado 80202



#### CONSULTING, LLC

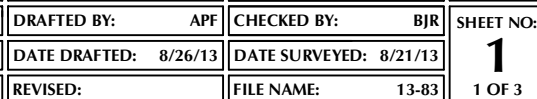
SHERIDAN OFFICE  
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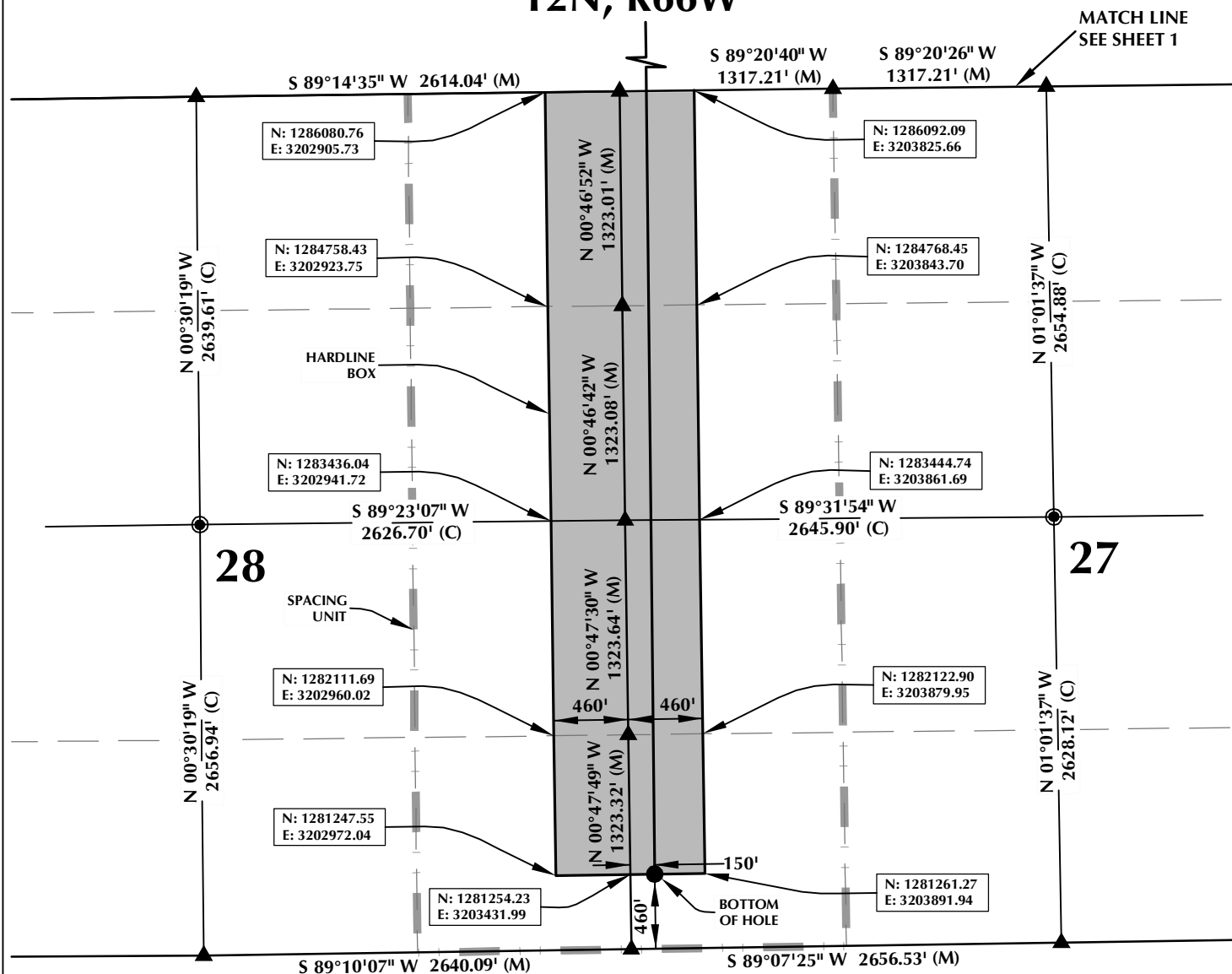


\\ANADARKO\2013\2013 83 COLORADO T2N R66W SEC 15\PLATS\HARDLINES\CANNON STATE 34C-27HZ HARDLINE SHEET 1.dwg, 8/27/2013 3:39:14 PM, andy





# SPACING UNIT: CANNON STATE 34C-27HZ T2N, R66W



## HEEL LOCATION

NAD 83

N: 1,291,364.70'  
E: 3,203,477.78'

LATITUDE= 40.130898°  
LONGITUDE= -104.772287°

LATITUDE= 40°07'51.232\"/>  
LONGITUDE= -104°46'20.234"

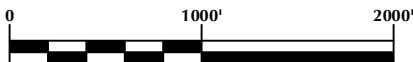
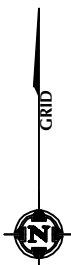
## BOTTOM HOLE LOCATION

NAD 83

N: 1,281,256.52'  
E: 3,203,581.97'

LATITUDE= 40.103148°  
LONGITUDE= -104.772211°

LATITUDE= 40°06'11.332\"/>  
LONGITUDE= -104°46'19.960"



SCALE: 1" = 1000'

## NOTES:

1. INDICATES FOUND SECTION CORNER
2. INDICATES CALCULATED CORNER
3. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
4. DRAWING NORTHING / EASTING COORDINATES ARE BASED ON COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
5. COMBINED SCALE FACTOR: .99972183
6. THIS EXHIBIT 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.

## WELL PAD - CANNON STATE 34C-27HZ

CANNON STATE 34C-27HZ  
SPACING UNIT EXHIBIT  
1' FNL & 150' FWL NWNW (HEEL)  
LOCATED IN SECTION 22  
460' FSL & 150' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 27  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
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## CONSULTING, LLC

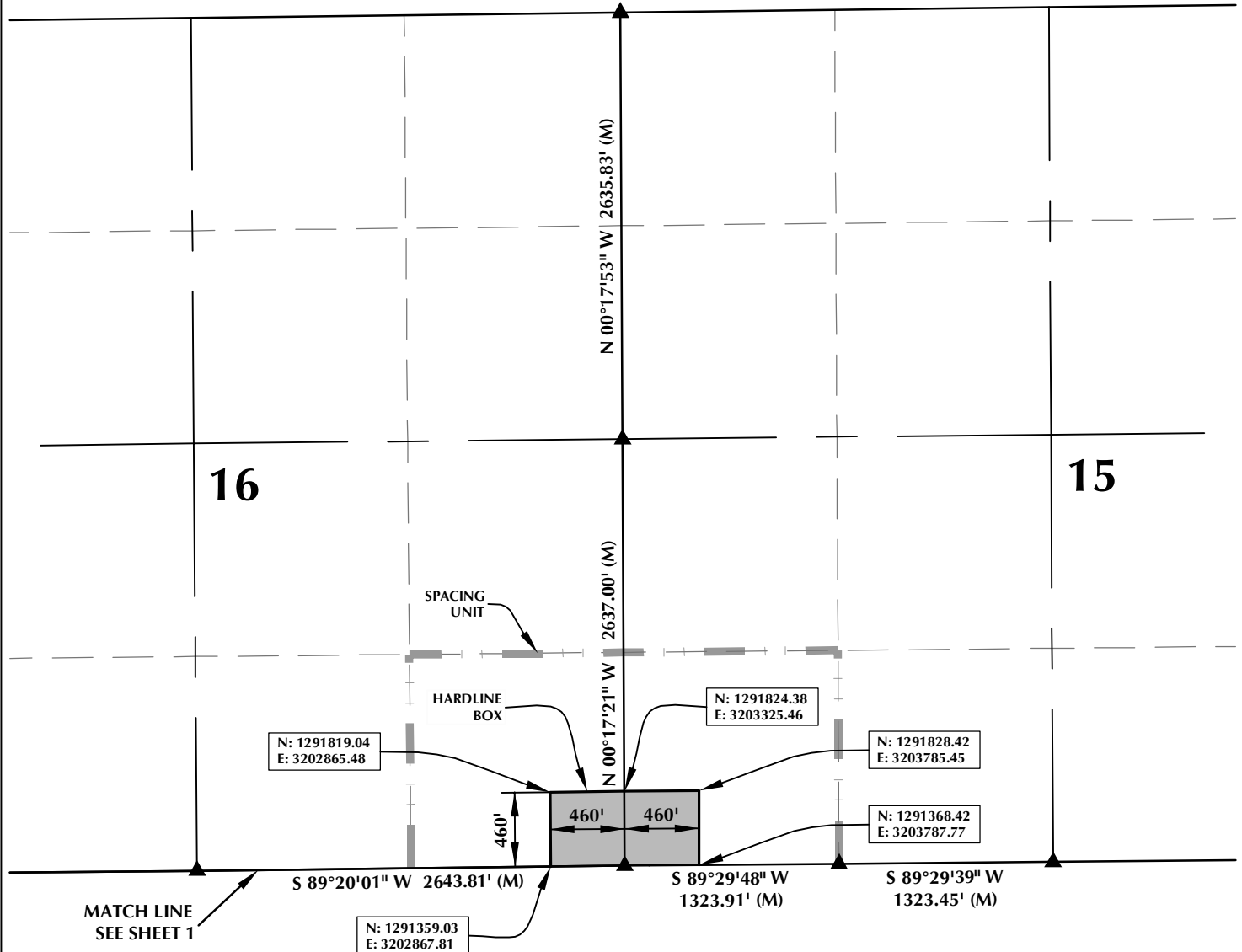
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REVISED:		FILE NAME:	13-83	2 OF 3



# SPACING UNIT: CANNON STATE 34C-27HZ T2N, R66W



## HEEL LOCATION

NAD 83

N: 1,291,364.70'  
E: 3,203,477.78'

LATITUDE= 40.130898°  
LONGITUDE= -104.772287°

LATITUDE= 40°07'51.232\"/>

## BOTTOM HOLE LOCATION

NAD 83

N: 1,281,256.52'  
E: 3,203,581.97'

LATITUDE= 40.103148°  
LONGITUDE= -104.772211°

LATITUDE= 40°06'11.332\"/>

## NOTES:

1. INDICATES FOUND SECTION CORNER
2. INDICATES CALCULATED CORNER
3. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
4. DRAWING NORTHING / EASTING COORDINATES ARE BASED ON COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
5. COMBINED SCALE FACTOR: .99972183
6. THIS EXHIBIT 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.

## WELL PAD - CANNON STATE 34C-27HZ

CANNON STATE 34C-27HZ  
SPACING UNIT EXHIBIT  
1' FNL & 150' FWL NWNW (HEEL)  
LOCATED IN SECTION 22  
460' FSL & 150' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 27  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

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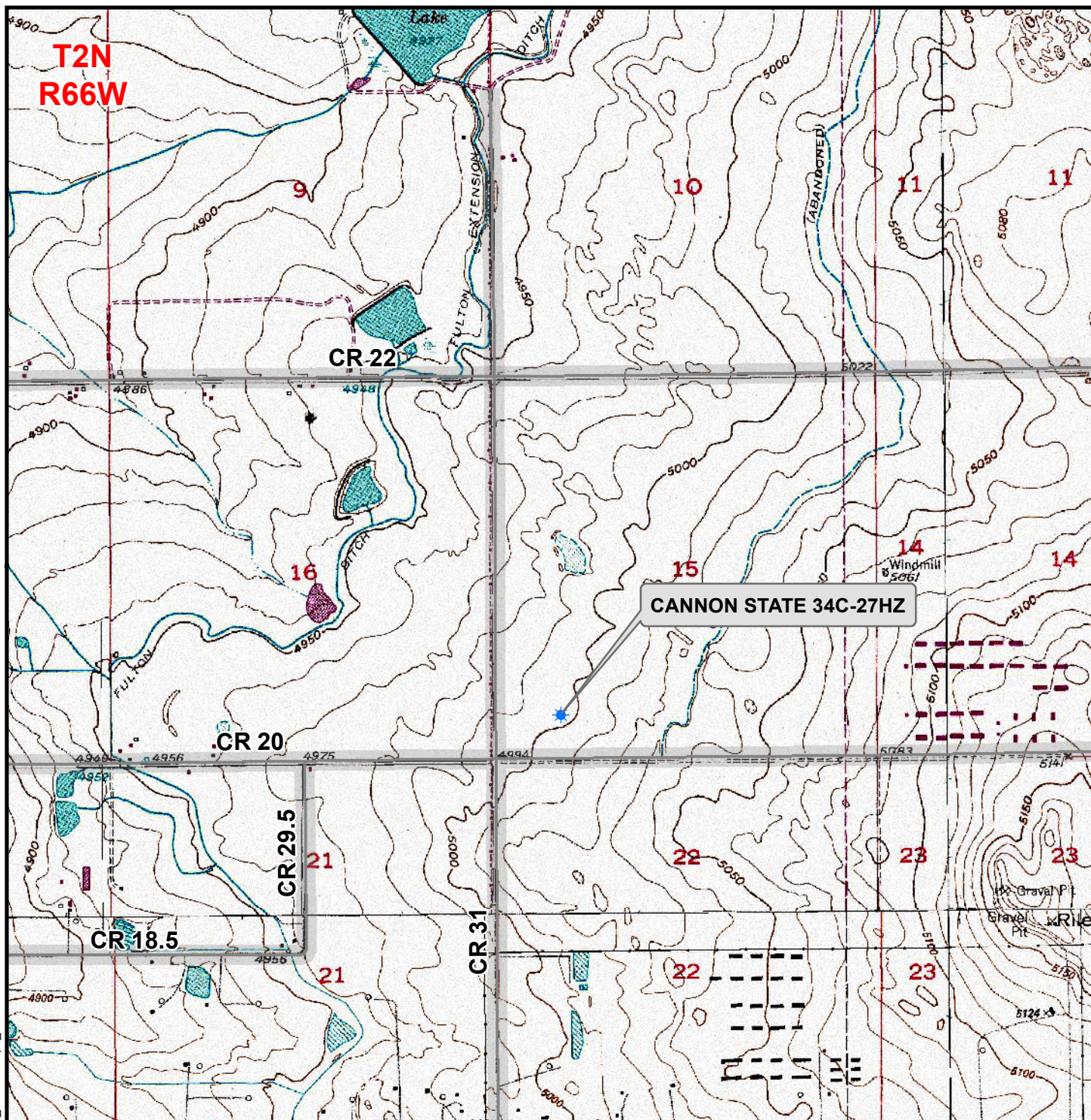
## CONSULTING, LLC

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REVISED:		FILE NAME:	13-83	3 OF 3





### Legend

- ★ Well - State - Proposed   
  Road - Primitive - Existing   
  Road - County - Existing  
 Road - Improved - Existing   
 Road - Highway - Existing

**WELL PAD - CANNON STATE 34C-27HZ**

**GENERAL LOCATION MAP**  
**CANNON STATE 34C-27HZ**  
**LOCATED IN SECTION 15**  
**T2N, R66W, 6th P.M.**  
**WELD COUNTY, COLORADO**

**Kerr-McGee Oil &**  
**Gas Onshore L.P.**

1099 18th Street  
 Denver, Colorado 80202



**CONSULTING, LLC**

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 Phone 307-674-0609

LOVELAND OFFICE  
 1635 Foxtail Drive, Suite 204  
 Loveland, Colorado 80538  
 Phone 970-776-4331



SCALE: 1" = 2,000ft

NAD83 CO-Nft

DRAWN:

JELo

DATE: 26 Aug 2013

REVISED:

DATE: