

1700 Broadway  
Suite 650  
Denver, Colorado 80290



Shannon Hartnett  
Permitting Agent  
Tel: 303.830.9893  
E-mail: shartnett@gwogco.com

February 1, 2013

Colorado Oil and Gas Conservation Commission  
The Chancery Building  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203

RE: 30 Day Certification Letter

Raindance FD 29-31D (Surface: 170' FEL & 683' FNL) Sec. 30 (Bottom: 1319' FNL & 0' FEL) Sec. 30  
Raindance FD 29-11D (Surface: 169' FEL & 668' FNL) Sec. 30 (Bottom: 1980' FNL & 660' FWL) Sec. 29  
Raindance FD 29-4D (Surface: 169' FEL & 653' FNL) Sec. 30 (Bottom: 660' FNL & 660' FWL) Sec. 29  
Raindance FD 20-25D (Surface: 169' FEL & 638' FNL) Sec. 30 (Bottom: 660' FSL & 660' FWL) Sec. 20  
Raindance FD 20-18D (Surface: 169' FEL & 623' FNL) Sec. 30 (Bottom: 1980' FSL & 660' FWL) Sec. 20  
Raindance FD 20-32D (Surface: 184' FEL & 622' FNL) Sec. 30 (Bottom: 2619' FSL & 0' FWL) Sec. 20  
Raindance FD 20-33D (Surface: 184' FEL & 637' FNL) Sec. 30 (Bottom: 1310' FSL & 0' FWL) Sec. 20  
Raindance FD 20-34D (Surface: 184' FEL & 652' FNL) Sec. 30 (Bottom: 0' FNL & 0' FEL) Sec. 30  
Raindance FD 19-14D (Surface: 184' FEL & 667' FNL) Sec. 30 (Bottom: 2623' FSL & 1244' FEL) Sec. 19  
Raindance FD 29-32D (Surface: 185' FEL & 682' FNL) Sec. 30 (Bottom: 2635' FNL & 0' FEL) Sec. 30

Niobrara/Codell New Drills  
Township 2 North, Range 65 West, 6<sup>th</sup> P.M.  
Section 17: SW/4NE/4  
Weld County, Colorado

Dear Director:

Great Western Oil and Gas Company, LLC hereby certifies to the Director that a thirty (30) day notice has been given by certified mail to all owners in the proposed wellbore spacing unit consisting of:

- W½NW¼ Sec. 29 E½NE¼ Sec. 30 for Raindance FD 29-31D
- W½NW¼ Sec. 29 for Raindance FD 29-11D
- W½NW¼ Sec. 29 for Raindance FD 29-4D
- W½SW¼ Sec. 20 for Raindance FD 20-25D
- W½SW¼ Sec. 20 for Raindance FD 20-18D
- SE¼NE¼ Sec. 19, SW¼NW¼ Sec. 20, NE¼SE¼ Sec. 19, NW¼SW¼ Sec. 20 for Raindance FD 20-32D
- E½SE¼ Sec. 19, W½SW¼ Sec. 20 for Raindance FD 20-33D
- SE¼SE¼ Sec. 19, SW¼SW¼ Sec. 20, NW¼NW¼ Sec. 29, NE¼NE¼ Sec. 30 for Raindance FD 20-34D
- N½SE¼ Sec. 19, S½NE¼ Sec. 19 for Raindance FD 19-14D
- SE¼NE¼ Sec. 30, SW¼NW¼ Sec. 29, NE¼SE¼ Sec. 30, NW¼SW¼ Sec. 29 for Raindance FD 29-32D

The 30 day notification date has past and we have not received any objections to such well locations or proposed spacing unit, therefore Great Western hereby requests the Director to approve the infill wells.

If you should have any questions or concerns regarding this permit, please contact the undersigned at 303-830-9893.

Respectfully,



Shannon Hartnett

Permitting Agent

Great Western Oil and Gas Company, LLC



Great Western  
OIL & GAS COMPANY

GREAT WESTERN OIL & GAS COMPANY

Well location, RANDANCE FD #19-14D (SURFACE LOCATION), located as shown in the NE 1/4 NE 1/4 of Section 30, T6N, R67W, 6th P.M., Weld County, Colorado.

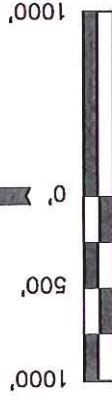
## BASIS OF ELEVATION

USGS COOPERATIVE BASE NETWORK CONTROL STATION,  
DESIGNATION 'VERMILYEA'. NGS DATA SHEET LISTS THE  
NAVD 88 ELEVATION AS BEING 5026 FEET

## BASIS OF BEARINGS

**BASIS OF BEARINGS IS A G.P.S. OBSERVATION.**

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N18°15'10"W	3439.12'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

2001, Private Alum. Cap,  
0.2' Below Ground,  
Found in Monument Box  
Lat: 40.450731°  
Long: 104.926503°

REVISÉ: 10-19-12

UTAH ENGINEERING &amp; LAND SURVEYING

85 SOUTH 200 EAST - VERNAL UTAH 84078

(435) 789-1017

**PDOP = 1.9**

SCALE	DATE SURVEYED:	DATE DRAWN:
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ATION)  
T-78 / 10 103458)

PARTY	REFERENCES
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64" (104.927122)

WEATHER	L.S.	G.W.	J.W.	G.L.V. PLANT
				FILE GREAT WESTERN CO.

43" (40.463175)

WARM  
GREAT WESTERN OIL  
& GAS COMPANY

LEGEND:

$\angle = 90^\circ$  SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

$\Delta$  = SECTION CORNERS RE-ESTABLISHED

(Not Set on Ground.)



T6N, R67W, 6th P.M.

GREAT WESTERN OIL & GAS COMPANY

R 68  
W

S88°55'24"W - 4927.58' (Meas.)

2012 Alum. Cap.  
Found in Monument Box.  
Lat: 40.479247°  
Long: 104.944131°

N00°29'40"W - 2639.77' (Meas.)

1998 Alum. Cap.  
Found in Range Box  
Lat: 40.472003°  
Long: 104.944114°

RAINDANCE FD #19-14D  
Target Bottom Hole

NOTE:  
THE PROPOSED BOTTOM HOLE BEARS N8°15'10"W  
3439.12' FROM THE PROPOSED WELL HEAD WHICH  
IS LOCATED IN THE NE 1/4 NE 1/4 OF SECTION  
30, T6N, R67W, 6th P.M. AT 667' FNL 184' FEL

Private Alum. Cap  
PLS #22098  
Lat: 40.472142°  
Long: 104.939900°

1998 Alum. Cap. 0.4'  
Below Ground, Found  
in Monument Box at  
Rd. Intersection  
Lat: 40.472189°  
Long: 104.926436°

2000 Alum. Cap. 0.2'  
Below Ground, Found  
in Monument Box  
Lat: 40.479408°  
Long: 104.926422°

N00°19'08"W - 2630.97' (Meas.)

S88°48'54"W  
1244.64' (Meas.)

1244'

N00°09'39"W - 2623.55' (Meas.)

N00°18'48"W - 2620.12' (Meas.)

WC 1987 Alum. Cap 0.3'  
Above Ground, Alum. Pipe  
Lat: 40.465067°  
Long: 104.926453°

2011 Alum. Cap.  
0.2' High,  
Lat: 40.464942°  
Long: 104.935950°

1995, Alum. Cap.  
0.3' Below Ground,  
P.L.S. #22098  
Lat: 40.464889°  
Long: 104.935444°

1998, Alum. Cap.  
0.2' Below Ground,  
Found in Monument  
Box, L.S. #23515  
Lat: 40.464803°  
Long: 104.944131°

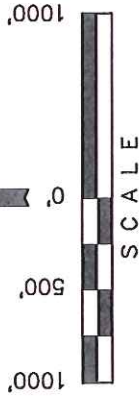
S88°41'13"W  
1251.78' (Meas.)

S88°52'51"W - 2417.82' (Meas.)

25.00'

REVISED: 10-19-12

Surface  
Location



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO  
10-19-12

BASIS OF ELEVATION

USGS COOPERATIVE BASE NETWORK CONTROL STATION,  
DESIGNATION 'VERMILYEA'. NGS DATA SHEET LISTS THE  
NAVD 88 ELEVATION AS BEING 5026 FEET

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- Δ = SECTION CORNERS RE-ESTABLISHED (Not Set on Ground.)

UNTIAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 09-28-12	DATE DRAWN: 10-02-12
PARTY L.S. G.W. J.W.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE GREAT WESTERN OIL & GAS COMPANY	

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°28'19.71" (40.472142)
LONGITUDE = 104°55'51.27" (104.930908)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°28'19.77" (40.472158)
LONGITUDE = 104°55'49.36" (104.930378)