

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

API NUMBER: 103 24614

Approval Date: 12/18/2013
Expiration Date: 06/18/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 24N Rge: 2W

County: NOBLE

SPOT LOCATION: NW NE NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 219 750

Lease Name: BADLANDS

Well No: 18-1N

Well will be 219 feet from nearest unit or lease boundary.

Operator Name: RANGE PRODUCTION COMPANY

Telephone: 4058107341; 4058107

OTC/OCC Number: 22664 0

RANGE PRODUCTION COMPANY
5600 N MAY AVE STE 350
OKLAHOMA CITY, OK 73112-3967

SHANNON SHAREE GUNTER, NEE CARRAHER
9946 COUNTY RD 136
LIVE OAK FL 32060

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4647	6
2			7
3			8
4			9
5			10

Spacing Orders: 600334

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307196
201307195

Special Orders:

Total Depth: 9600

Ground Elevation: 1021

Surface Casing: 210

Depth to base of Treatable Water-Bearing FM: 160

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 13-24903

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 18 Twp 24N Rge 2W County NOBLE

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 500

Depth of Deviation: 3907

Radius of Turn: 750

Direction: 360

Total Length: 4515

Measured Total Depth: 9600

True Vertical Depth: 4657

End Point Location from Lease,
Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
CARA LEA CARRAHER	501 LAKEVIEW TERRACE	PRINCETON, NJ 08540
MICHELLE LOYALEA STEINBERG, N	4463 ANNE ARUNDEL CT	LILBURN, GA 30047
SHAWN MICHAEL CARRAHER	4311 S MERIDIAN	MARION, IN 46953
HEATHER RENAE KVALE, NEE CAR	4102 ALABAMA AVE	CHATTANOOGA, TN 37409
ERIN YALE CARRAHER	2110 PULLMAN LANE, #B	REDONDO BEACH, CA 90278
CHARLES EMIL CARRAHER	2007 HIGHLANDER NORTH DR	XENIA, OH 45385
COLLEEN EVETTE SCHWARTZ	11757 VILLA AVE	BATON ROUGE, LA 70710

Notes:

Category

Description

PENDING CD - 201307195

12/17/2013 - G30 - 18-24N-2W
X600334 MSSP
2 WELLS
NO OP. NAMED
REC 11/18/13 (DECKER)

PENDING CD - 201307196

12/17/2013 - G30 - 18-24N-2W
X600334 MSSP
SHL 257 FSL, 900 FWL**
COMP. INT. NCT 330 FSL, NCT 165 FNL, NCT 330 FWL
NO OP. NAMED
REC 11/18/13 (DECKER)

**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

SPACING - 600334

12/17/2013 - G30 - (640) 18-24N-2W
EST MSSP