

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

API NUMBER: 071 24810

Approval Date: 10/01/2014
Expiration Date: 04/01/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 27N Rge: 1E County: KAY
SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 225 800

Lease Name: BRAKE Well No: 4-7N Well will be 225 feet from nearest unit or lease boundary.
Operator Name: RANGE PRODUCTION COMPANY LLC Telephone: 4058107341; 4058107 OTC/OCC Number: 22664 0

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

RANGE PRODUCTION COMPANY, LLC
5600 NORTH MAY, SUITE 350
OKLAHOMA CITY OK 73112

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3717	6
2			7
3			8
4			9
5			10

Spacing Orders: 622020

Location Exception Orders: 622329

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9600

Ground Elevation: 1106

Surface Casing: 280

Depth to base of Treatable Water-Bearing FM: 230

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: 14-27284

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 04 Twp 27N Rge 1E County KAY

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1400

Depth of Deviation: 3217

Radius of Turn: 600

Direction: 359

Total Length: 5441

Measured Total Depth: 9600

True Vertical Depth: 3817

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

Notes:

Category	Description
LOCATION EXCEPTION - 622329	10/1/2014 - G91 - (I.O.) 4-27N-1E X 622020 MSSP SHL 225 FNL 800 FEL COMP. INT. NCT 165 FNL, NCT 330 FSL, NCT 330 FEL RANGE PRODUCTION CO. 3-7-2014
SPACING - 622020	10/1/2014 - G91 - (640)(HOR) 4-27N-1E EXT 611026 MSSP, OTHERS POE TO BHL NCT 660' FB (SUPERCEDED NON-DEVELOP NON-HORIZONTAL) SPACING UNITS; COEXIST PRODUCING NON-HORIZONTAL SPACING UNITS)