

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

API NUMBER: 071 24824

Approval Date: 11/18/2014  
Expiration Date: 05/18/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 26N Rge: 1W County: KAY  
SPOT LOCATION:  NW  NE  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 225 2200

Lease Name: PROSPECT Well No: 13-4S 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

COMMISSIONERS OF THE LAND OFFICE  
120 N. ROBINSON, SUITE 1000W  
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3882	6
2			7
3			8
4			9
5			10

Spacing Orders: 606793

Location Exception Orders: 631357

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9600

Ground Elevation: 1002

**Surface Casing: 250**

Depth to base of Treatable Water-Bearing FM: 190

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: 14-28812

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 13 Twp 26N Rge 1W County KAY

Spot Location of End Point: W2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2200

Depth of Deviation: 3382

Radius of Turn: 903

Direction: 180

Total Length: 4800

Measured Total Depth: 9600

True Vertical Depth: 3908

End Point Location from Lease,  
Unit, or Property Line: 330

Notes:

Category

Description

LOCATION EXCEPTION - 631357

11/18/2014 - G91 - (I.O.) 13-26N-1W  
X606793 MSSP  
SHL 225 FSL, 2200 FWL \*\*  
COMPL. INT. NCT 330 FSL, NCT 165 FNL. NCT 660 FWL  
RANGE PROD. CO., LLC.  
10-1-2014

\*\* SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR\*\*

SPACING - 606793

11/18/2014 - G91 - (640)(HOR) 13-26N-1W  
EST MSSP, OTHERS  
POE TO BHL NCT 660' FB  
(SUPERCEDE NON-DEVELOP NON-HORIZONTAL SPACING UNITS; COEXIST PRODUCING NON-HORIZONTAL SPACING UNITS)

SURFACE CASING

11/18/2014 - G71 - MIN. 250' PER ORDER 240901