

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

API NUMBER: 071 24837

Approval Date: 01/05/2015  
Expiration Date: 07/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 25N Rge: 1W County: KAY  
SPOT LOCATION:  NW  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 184 316

Lease Name: COPPERHEAD FEDERAL Well No: 14-8N Well will be 184 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

ROBERT Q. DIEMER, JR & CAROL A. DIEMER  
14211 SOUTH 13TH ST.  
TONKAWA OK 74653

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4408	6
2			7
3			8
4			9
5			10

Spacing Orders: 601337

Location Exception Orders: 634598

Increased Density Orders:

Pending CD Numbers: 201408334

Special Orders:

Total Depth: 9600

Ground Elevation: 950

**Surface Casing: 360**

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29144  
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - ARKANSAS RIVER, SALT FORK)

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 14 Twp 25N Rge 1W County KAY

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 500

Depth of Deviation: 3678

Radius of Turn: 750

Direction: 355

Total Length: 4744

Measured Total Depth: 9600

True Vertical Depth: 4428

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

Notes:

Category

Description

LOCATION EXCEPTION - 634598

1/2/2015 - G75 - (I.O.)  
X601337 MSSP  
SHL 235 FSL, 330 FWL 13-25N-1W \*\*  
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 330 FEL 14-25N-1W  
RANGE PROD. CO., LLC  
12-29-2014

\*\* ITD HAS SHL AS 184 FNL, 316 FWL 24-25N-1W; TO BE CORRECTED AT HEARING FOR FINAL  
ORDER LOCATION EXCEPTION PER OPERATOR

PENDING CD - 201408334

1/2/2015 - G75 - 14-25N-1W  
X601337 MSSP  
4 WELLS  
NO OP. NAMED  
REC 12-4-2014 (LEAVITT)

SPACING - 601337

1/2/2015 - G75 - (640)(HOR) 14-25N-1W  
EXT 590857 MSSP  
EST OTHERS  
POE TO BHL NLT 660' FB  
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH  
PRODUCING NON-HORIZONTAL SPACING UNITS)