

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

API NUMBER: 071 24815

Approval Date: 10/07/2014
Expiration Date: 04/07/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 28N Rge: 1E County: KAY
SPOT LOCATION: NE NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 225 2390

Lease Name: CANTEEN Well No: 32-5S 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

WILLIAM & KATHERINE ALEXANDER, CO-TRUSTEES
14901 N. PENNSYLVANIA AVE., APT 2424
OKLAHOMA CITY OK 73134

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	3635	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406684
201406685

Special Orders:

Total Depth: 9600 Ground Elevation: 1080 Surface Casing: 240 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: 14-28277

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 32 Twp 28N Rge 1E County KAY

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 2905

Radius of Turn: 750

Direction: 170

Total Length: 5517

Measured Total Depth: 9600

True Vertical Depth: 3655

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

Notes:

Category

Description

PENDING CD - 201406684

10/7/2014 - G75 - (640)(HOR) 32-28N-1E
EXT 622020 MSSP, OTHER
POE TO BHL NLT 660' FB
REC 9-30-2014 (CANDLER)

PENDING CD - 201406685

10/7/2014 - G75 - (I.O.) 32-28N-1E
X201406684 MSSP
SHL 225 FNL, 2350 FWL **
COMPL. INT NCT 330 FNL, NCT 165 FSL, NCT 660 FEL
NO OP. NAMED
REC 9-30-2014 (CANDLER)

** ITD HAS SHL AS 225 FNL, 2390 FWL; TO BE CORRECTED AT HEARING FOR FINAL ORDER
LOCATION EXCEPTION PER OPERATOR