

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

API NUMBER: 071 24844

Approval Date: 01/29/2015

Expiration Date: 07/29/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 25N Rge: 1W County: KAY

SPOT LOCATION: SE SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 252 998

Lease Name: MOCCASIN

Well No: 12-3N

Well will be 252 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

REBECCA A NORTH & RCB BANK
122 EAST GRAND
THE NEAL & REBECCA NORTH FAMILY TRUST, CO-TRUSTEES
PONCA CITY OK 74601

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4339	6
2			7
3			8
4			9
5			10

Spacing Orders: 611791

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201409272
201409270

Special Orders:

Total Depth: 9600

Ground Elevation: 949

Surface Casing: 330

Depth to base of Treatable Water-Bearing FM: 280

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 15-29378

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 12 Twp 25N Rge 1W County KAY

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1400

Depth of Deviation: 3609

Radius of Turn: 750

Direction: 10

Total Length: 4813

Measured Total Depth: 9600

True Vertical Depth: 4359

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

Notes:

Category	Description
PENDING CD - 201409270	1/28/2015 - G76 - 12-25N-1W X611791 MSSP 2 WELLS NO OP. NAMED REC. 1/13/2015 (LEAVITT)
PENDING CD - 201409272	1/28/2015 - G76 - (I.O.) 12-25N-1W X611791 MSSP SHL 225 FSL, 1000 FWL ** COMPL. INT. NCT 330 FSL, NCT 165 FNL, NCT 660 FWL NO OP. NAMED REC. 1/13/2015 (LEAVITT) **S/B SHL 225 FSL, 998 FWL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
SPACING - 611791	1/28/2015 - G76 - (640)(HOR) 12-25N-1W EXT 605669 MSSP, OTHERS POE TO BHL NLT 660' FB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)