

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

API NUMBER: 071 24845 A

Approval Date: 02/03/2015  
Expiration Date: 08/03/2015

Horizontal Hole Oil & Gas

Amend reason: ADD OIL BASED MUD, UPDATE ORDERS

AMEND PERMIT TO DRILL

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

County: KAY

SPOT LOCATION: SW SW SW SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 290 2574

Lease Name: MOCCASIN

Well No: 12-5N

Well will be 290 feet from nearest unit or lease boundary.

Operator Name: RANGE PRODUCTION COMPANY LLC

Telephone: 8178694130; 4058107

OTC/OCC Number: 22664 0

RANGE PRODUCTION COMPANY LLC  
100 THROCKMORTON STE 1200  
FORT WORTH, TX 76102

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

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4324	6
2			7
3			8
4			9
5			10

Spacing Orders: 611791

Location Exception Orders: 636410

Increased Density Orders: 636409

Pending CD Numbers:

Special Orders:

Total Depth: 9600

Ground Elevation: 949

**Surface Casing: 320**

Depth to base of Treatable Water-Bearing FM: 270

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: 14-29217

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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

HORIZONTAL HOLE 1

Sec 12 Twp 25N Rge 1W County KAY

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 3594

Radius of Turn: 750

Direction: 15

Total Length: 4828

Measured Total Depth: 9600

True Vertical Depth: 4344

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

Notes:

Category

Description

INCREASED DENSITY - 636409

3/31/2015 - G76 - 12-25N-1W  
X611791 MSSP  
2 WELLS  
RANGE PROD. CO., L.L.C.  
2/10/2015

LOCATION EXCEPTION - 636410

3/31/2015 - G76 - (I.O.) 12-25N-1W  
X611791 MSSP  
SHL 225 FSL, 2000 FEL \*\*  
COMPL. INT. NCT 330 FSL, NCT 165 FNL, NCT 660 FEL  
RANGE PROD. CO., L.L.C.  
2/10/2015

\*\*S/B 290 FSL, 2574 FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION  
EXCEPTION PER OPERATOR

MEMO

3/30/2015 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS REQUIRED PER OPERATOR  
REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 611791

1/30/2015 - 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)

SURFACE HOLE LOCATION

1/30/2015 - G76 - 290' FSL, 2574' FEL PER OPERATOR

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Office of the Conservation Division as to when Surface Casing will be run.