

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

API NUMBER: 071 24839 A

Approval Date: 01/06/2015  
Expiration Date: 07/06/2015

Horizontal Hole Oil & Gas

Amend reason: CHANGE TO OIL BASE MUD

AMEND PERMIT TO DRILL

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

County: KAY

SPOT LOCATION:  SW  SE  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 252 898

Lease Name: MOCCASIN

Well No: 12-1N

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 - TRUST DEPARTMENT  
122 EAST GRAND  
PONCA CITY OK 74601

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4364	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 611791

Location Exception Orders: 634603

Increased Density Orders: 634602

Pending CD Numbers:

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-29146

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 12 Twp 25N Rge 1W County KAY

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 500

Depth of Deviation: 3634

Radius of Turn: 750

Direction: 360

Total Length: 4788

Measured Total Depth: 9600

True Vertical Depth: 4384

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

Notes:

Category

Description

INCREASED DENSITY - 634602

1/6/2015 - G91 - 12-25N-1W  
X611791 MSSP  
2 WELLS  
RANGE PRODUCTION CO., LLC.  
12-29-2014

LOCATION EXCEPTION - 634603

1/6/2015 - G91 - (I.O.) 12-25N-1W  
X611791 MSSP  
SHL 225 FSL, 500 FWL \*\*  
COMPL. INT. NCT 330 FSL, NCT 165 FNL, NCT 330 FWL  
RANGE PRODUCTION CO., LLC.  
12-29-2014

\*\*SHL TO BE AMENDED AT FINAL HEARING PER OPERATOR\*\*

MEMO

1/22/2015 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - ARKANSAS RIVER,  
SALT FORK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 611791

1/6/2015 - G91 - (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)

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