

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

API NUMBER: 103 24650

Approval Date: 03/14/2014  
Expiration Date: 09/14/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 24N Rge: 2W

County: NOBLE

SPOT LOCATION:  NW  NW  NE  NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 170 1620

Lease Name: DAKOTA

Well No: 9-4S

Well will be 170 feet from nearest unit or lease boundary.

Operator Name: RANGE PRODUCTION COMPANY

Telephone: 4058107341; 4058107

OTC/OCC Number: 22664 0

RANGE PRODUCTION COMPANY  
5600 N MAY AVE STE 350  
OKLAHOMA CITY, OK 73112-3967

ODENWALD FARMS, INC  
6601 COWBOY RD  
BILLINGS OK 74630

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4553	6
2			7
3			8
4			9
5			10

Spacing Orders: 591804

Location Exception Orders:

Increased Density Orders: 622424

Pending CD Numbers: 201400552

Special Orders:

Total Depth: 9600

Ground Elevation: 1036

**Surface Casing: 170**

Depth to base of Treatable Water-Bearing FM: 120

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: 14-26346

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 09 Twp 24N Rge 2W County NOBLE

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2200

Depth of Deviation: 3836

Radius of Turn: 750

Direction: 180

Total Length: 5014

Measured Total Depth: 9600

True Vertical Depth: 4586

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

Notes:

Category	Description
INCREASED DENSITY - 622424	3/14/2014 - G30 - 9-24N-2W X591804 MSSP 1 WELL RANGE PRODUCTION COMPANY 3/10/14
PENDING CD - 201400552	3/14/2014 - G30 - 9-24N-2W X591804 MSSP SHL 341 FSL, 1696 FWL 4-24N-2W** COMP. INT. NCT 165 FNL, NCT 165 FSL, NCT 660 FWL 9-24N-2W NO OP. NAMED REC 2/18/14 (P.PORTER)
	**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION
SPACING - 591804	3/14/2014 - G30 - (640) 9-24N-2W VAC 250929 MSSCT, MSSLM EST MSSP