

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

API NUMBER: 153 23551

Approval Date: 12/13/2013
Expiration Date: 06/13/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 23N Rge: 21W

County: WOODWARD

SPOT LOCATION: N2 N2 NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 265 660

Lease Name: HUNTER

Well No: 1-28H

Well will be 265 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

VERNON STRICKER & D. LAVOINNE STRICKER,
TRUSTEES
39194 S COUNTY RD 199
WOODWARD OK 73801

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

Name	Depth	Name	Depth
1 MERAMEC	9004	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 101245
101496

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307978

Special Orders:

Total Depth: 13000

Ground Elevation: 1988

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 240

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: 8000 Average: 5000

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-25041

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 28 Twp 23N Rge 21W County WOODWARD

Spot Location of End Point: C SW SW

Feet From: SOUTH 1/4 Section Line: 660

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 8362

Radius of Turn: 780

Direction: 180

Total Length: 3460

Measured Total Depth: 13000

True Vertical Depth: 9142

End Point Location from Lease,
Unit, or Property Line: 660

Notes:

Category	Description
PENDING CD - 201307978	12/13/2013 - G30 - 28-23N-21W X101245/101496 MRMC SHL 265 FNL, 910 FWL** COMP. INT. NCT 330 FNL, NCT 165 FSL, NCT 660 FWL NO OP. NAMED REC 12/9/13 (DECKER)
	**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION
SPACING - 101245	12/13/2013 - G30 - (640) 28-23N-21W EXT OTHERS
SPACING - 101496	12/13/2013 - G30 - NPT 101245 TO INCLUDE 28-23N-21W IN MRMC SPACING EXT 87359 MRMC