

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

API NUMBER: 153 23542

Approval Date: 02/28/2013
Expiration Date: 08/28/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 23N Rge: 21W County: WOODWARD
SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 1320

Lease Name: VERNON STRICKER Well No: 1-29H Well will be 250 feet from nearest unit or lease boundary.
Operator Name: RANGE PRODUCTION COMPANY Telephone: 4058107341 OTC/OCC Number: 22664 0

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

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

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

Name	Depth	Name	Depth
1	MERAMEC	9014	6
2			7
3			8
4			9
5			10

Spacing Orders: 101245
101496

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201300790

Special Orders:

Total Depth: 13000

Ground Elevation: 2014

Surface Casing: 310

Depth to base of Treatable Water-Bearing FM: 260

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: 13-22477

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 29 Twp 23N Rge 21W County WOODWARD

Spot Location of End Point: SE NE SW SE

Feet From: SOUTH 1/4 Section Line: 666

Feet From: EAST 1/4 Section Line: 1445

Depth of Deviation: 8294

Radius of Turn: 780

Direction: 180

Total Length: 3000

Measured Total Depth: 13000

True Vertical Depth: 9174

End Point Location from Lease,
Unit, or Property Line: 666

Notes:

Category	Description
PENDING CD - 201300790	2/27/2013 - G30 - 29-23N-21W X101245/101496 MRMC SHL 250 FNL, 1320 FEL COMP. INT. NCT 600 FNL, NCT 330 FSL, NCT 1320 FEL NO OP. NAMED REC 2/25/13 (NORRIS)
SPACING - 101245	2/27/2013 - G30 - (640) 29-23N-21W EXT 87359 MRMC, OTHERS EST OTHERS
SPACING - 101496	2/27/2013 - G30 - NPT 101245 EXT 87359 MRMC

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