

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

API NUMBER: 129 23864

Approval Date: 08/19/2013  
Expiration Date: 02/19/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 13N Rge: 25W County: ROGER MILLS  
SPOT LOCATION:  SW  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 235 2140

Lease Name: RED CLOUD Well No: 1H-29 Well will be 165 feet from nearest unit or lease boundary.  
Operator Name: ENERVEST OPERATING LLC Telephone: 7134956530 OTC/OCC Number: 19848 0

ENERVEST OPERATING LLC  
1001 FANNIN ST STE 800  
HOUSTON, TX 77002-6708

DOROTHY SIMMONS  
PO BOX 66  
MCLEAN TX 79057

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

Name	Depth	Name	Depth
1	CHEROKEE	12650	6
2			7
3			8
4			9
5			10

Spacing Orders: 110840

Location Exception Orders: 607813

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17536

Ground Elevation: 2359

**Surface Casing: 860**

Depth to base of Treatable Water-Bearing FM: 750

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 13-22035

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 13N Rge 25W County ROGER MILLS

Spot Location of End Point: NW NE NE NE

Feet From: SOUTH 1/4 Section Line: 2475

Feet From: WEST 1/4 Section Line: 2140

Depth of Deviation: 12879

Radius of Turn: 573

Direction: 360

Total Length: 3757

Measured Total Depth: 17536

True Vertical Depth: 12894

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

Notes:

Category

Description

LOCATION EXCEPTION - 607813

8/12/2013 - G30 - (I.O.) 29-13N-25W  
X110840 CHRK, OTHERS  
XOTHERS  
SHL NCT 235 FSL, NCT 500 FEL  
COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 500 FEL  
LAREDO PETROLEUM, INC.\*\*  
2/14/13

\*\*OPERATOR NAME TO BE CHANGED TO ENERVEST OPERATING LLC IN HEARING FOR FINAL  
ORDER PER OPERATOR

SPACING - 110840

8/12/2013 - G30 - (640) 29-13N-25W  
EST CHRK, OTHERS