

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

API NUMBER: 129 23835 A

Approval Date: 06/17/2013  
Expiration Date: 12/17/2013

Horizontal Hole Oil & Gas

Amend reason: CHANGE OF OPERATOR

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 14N Rge: 25W County: ROGER MILLS  
SPOT LOCATION:  SE  SW  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 235 404

Lease Name: **BLM BULL BEAR** Well No: **1H-18** Well will be **235** 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

RUSSELL CLAY  
17329 E 920 ROAD  
REYDON OK 73660

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

Name	Depth	Name	Depth
1 DOUGLAS	8300	6 CLEVELAND	10690
2 TONKAWA	9140	7 MARMATON	11800
3 COTTAGE GROVE	9755	8	
4 HOGSHOOTER	10334	9	
5 CHECKERBOARD	10584	10	

Spacing Orders: 132977 Location Exception Orders: 606108 Increased Density Orders:  
588397 616638

Pending CD Numbers: Special Orders:

Total Depth: 16816 Ground Elevation: 2404 **Surface Casing: 920** Depth to base of Treatable Water-Bearing FM: 770

Under Federal Jurisdiction: Yes Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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: OGALLALA

Approved Method for disposal of Drilling Fluids:  
A. Evaporation/dewater and backfilling of reserve pit.  
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-23638  
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: ON SITE
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: 3
Liner required for Category: 3
Pit Location is BED AQUIFER
Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 18 Twp 14N Rge 25W County ROGER MILLS
Spot Location of End Point: N2 N2 NW NW
Feet From: NORTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 660
Depth of Deviation: 11531
Radius of Turn: 1000
Direction: 5
Total Length: 4285
Measured Total Depth: 16816
True Vertical Depth: 12079
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Table with 2 columns: Category and Description. Contains notes about location exceptions, memos, and spacings for various well operations.

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