

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

API NUMBER: 129 23992

Approval Date: 09/03/2014

Expiration Date: 03/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 13N Rge: 25W

County: ROGER MILLS

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 211 1569

Lease Name: RED CLOUD

Well No: 2-29HA

Well will be 211 feet from nearest unit or lease boundary.

Operator
Name: ENERVEST OPERATING LLC

Telephone: 7134956530

OTC/OCC Number: 19848 0

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

STERLING J. MOORE & SUE T. MOORE
17424 E. 990 ROAD
REYDON OK 73660

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

	Name	Depth	Name	Depth
1	MARMATON	12360	6	
2	CHEROKEE	13642	7	
3			8	
4			9	
5			10	

Spacing Orders: 163680
110840

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405890
201405894

Special Orders:

Total Depth: 17596

Ground Elevation: 2396

Surface Casing: 950

Depth to base of Treatable Water-Bearing FM: 810

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 265000 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28009
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 NW NW

Feet From: NORTH 1/4 Section Line: 245

Feet From: WEST 1/4 Section Line: 880

Depth of Deviation: 13095

Radius of Turn: 573

Direction: 290

Total Length: 4688

Measured Total Depth: 17596

True Vertical Depth: 13642

End Point Location from Lease,

Unit, or Property Line: 245

Notes:

Category	Description
PENDING CD - 201405894	9/3/2014 - G72 - 29-13N-25W (E.O.) X 110840 CHRK, OTHERS X 163680 MRMN X OTHERS SHL 211 FSL 1569 FWL; COMP INT. NCT 330 FSL NCT 330 FNL NCT 880 FWL; NO OPER NAMED; REC 8/25/2014 (JOHNSON)
PENDING CD 201405890	9/3/2014 - G72 - 29-13N-25W (E.O.) X 163680 MRMN 1 WELL, ENERVEST OPERATING, LLC REC 8/25/2014 (JOHNSON)
SPACING - 110840	9/3/2014 - G72 - (640) 29-13N-25W EST CHRK, OTHERS
SPACING - 163680	9/3/2014 - G72 - (640) 29-13N-25W EXT 141522 MRMN

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129 23992 RED CLOUD 2-29HA

129
API 23992

PROPOSED NEW WELL LOCATION PLAT

EXHIBIT "A"

COMPANY ENERVEST OPERATING, LLC LEASE RED CLOUD WELL NO. 2-29HA
SECTION 29 TOWNSHIP 13-N RANGE 25-W LOCATION 211' FSL 1569' FWL
COUNTY ROGER MILLS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
LATITUDE 35°34'02.42" LONGITUDE -99°53'06.43" NAD27 ELEVATION 2396' NGVD29 DATE STAKED 6/30/14
DIRECTION FROM NEAREST TOWN APPROXIMATELY 6.0 MILES SOUTHEAST OF REYDON, OKLAHOMA

