

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

API NUMBER: 129 23883

Approval Date: 10/14/2013  
Expiration Date: 04/14/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 13N Rge: 25W County: ROGER MILLS  
SPOT LOCATION:  NE  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 340 860

Lease Name: **BLACK EAGLE** Well No: **2H-21** Well will be **340** 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

ALEC B. LEGRAND & DONNALEITTA LEGRAND  
17529 E. 990 ROAD  
REYDON OK 73660

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

Name	Depth	Name	Depth
1 DOUGLAS	8590	6 MARMATON	12170
2 TONKAWA	9437	7	
3 COTTAGE GROVE	10020	8	
4 CHECKERBOARD	10988	9	
5 CLEVELAND	11155	10	

Spacing Orders: 417774 Location Exception Orders: 608824 Increased Density Orders: 608060  
565618

Pending CD Numbers: 201306692  
201306693

Special Orders:

Total Depth: 17500 Ground Elevation: 2265 **Surface Casing: 750** Depth to base of Treatable Water-Bearing FM: 700

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No 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: 13-24558  
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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 21 Twp 13N Rge 25W County ROGER MILLS

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 11533

Radius of Turn: 637

Direction: 1

Total Length: 4966

Measured Total Depth: 17500

True Vertical Depth: 12170

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

Additional Surface Owner	Address	City, State, Zip
ROY LEGRAND, ATTORNEY IN FACT	17529 E. 990 RD.	REYDON, OK 73660

Notes:

Category	Description
INCREASED DENSITY - 608060	10/4/2013 - G75 - 21-13N-25W X417774 MRMN 1 WELL LAREDO PETRO., INC. 2-21-2013
LOCATION EXCEPTION - 608824	10/4/2013 - G75 - (I.O.) 21-13N-25W X417774 DGLS, TNKW, CLVD, MRMN X565618 CGGV, CCKB SHL NCT 235 FSL, NCT 600 FEL FIRST PERF NCT 330 FSL, NCT 600 FEL LAST PERF NCT 330 FNL, NCT 600 FEL LAREDO PETRO., INC. 3-12-2013
MEMO	10/4/2013 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, CONCRETE-LINED TRENCH PIT FOR SOIL FARMING; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201306692	10/11/2013 - G75 - (E.O.) X608060 CHANGE OP. TO ENERVEST OP., LLC REC 10-14-2013 (MCKEOWN)
PENDING CD - 201306693	10/11/2013 - G75 - (E.O.) X608824 CHANGE OP. TO ENERVEST OP., LLC REC 10-14-2013 (MCKEOWN)

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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.

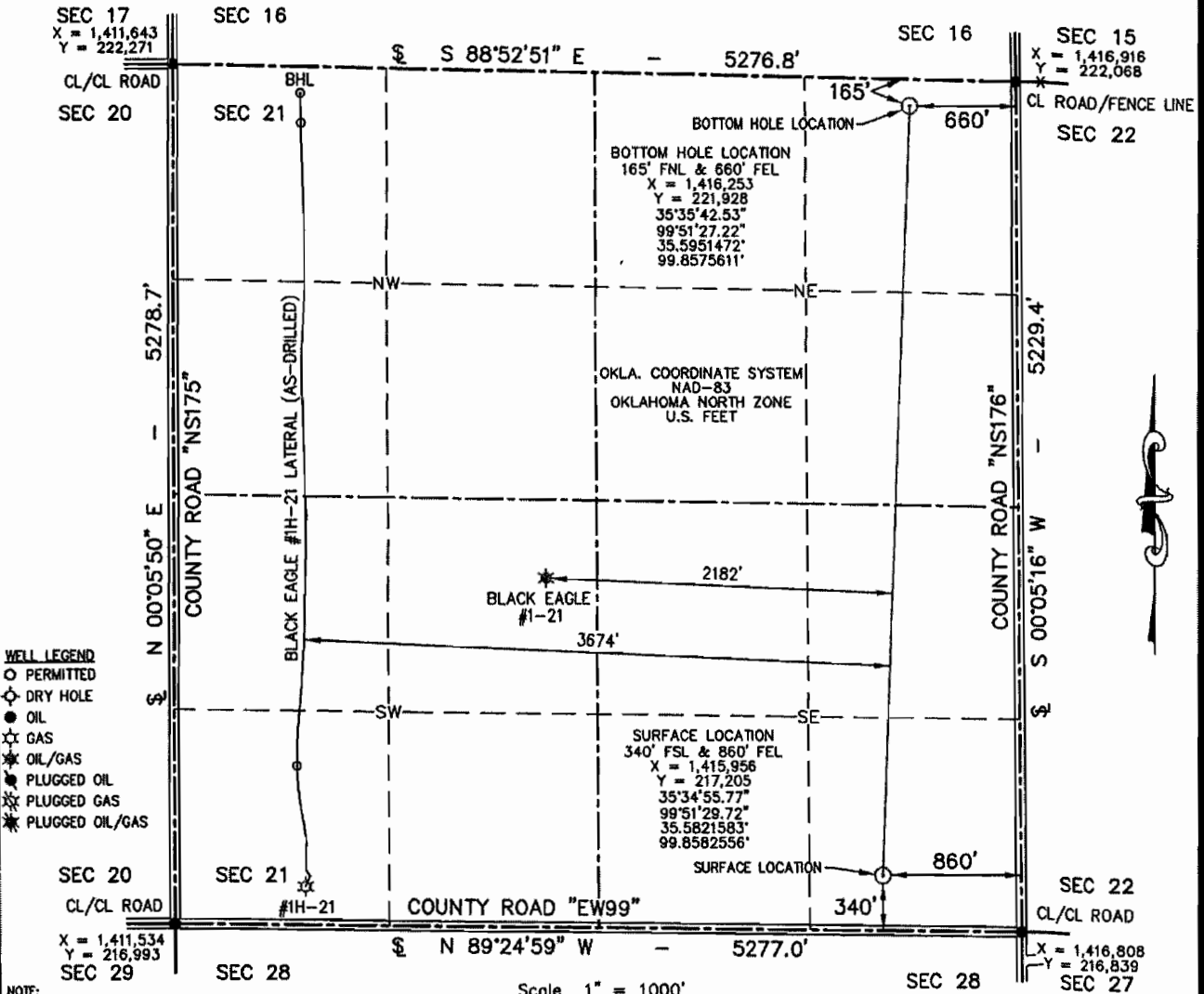
Category	Description
SPACING - 417774	10/4/2013 - G75 - (640) 21-13N-25W EXT 188118 DGLS, TNKW, CLVD, OTHERS EXT 163680 MRMN
SPACING - 565618	10/4/2013 - G75 - (640) 21-13N-25W EXT 130940 CGGV EST CCKB

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ADT 129-23883

### PROPOSED NEW WELL LOCATION PLAT

COMPANY ENERVEST OPERATING, LLC LEASE BLACK EAGLE WELL NO. 2H-21  
 SECTION 21 TOWNSHIP 13-N RANGE 25-WM LOCATION 340' FSL 860' FEL  
 COUNTY ROGER MILLS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE  
 LATITUDE 35°34'55.77" LONGITUDE 99°51'29.72" NAD83 ELEVATION 2265' NGVD29 DATE STAKED 10/2/13  
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 6.0 MILES SOUTHEAST OF REYDON, OKLAHOMA



SIGNED: \_\_\_\_\_ DATED: 10/4/13

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY MYSELF OR OTHERS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**APEX**  
 SURVEYING & MAPPING, INC.  
 TEXAS • OKLAHOMA • KANSAS  
 8330 CANYON DRIVE  
 AMARILLO, TEXAS 79119  
 806-353-7231  
 105 HACKBERRY TRAIL  
 CANADIAN, TEXAS 79014  
 806-323-9773  
 Certificate of Authorization No. 3415, Exp. June 30, 2014

**ENERVEST**  
 1001 FANNIN STREET  
 SUITE 800  
 HOUSTON, TEXAS 77002

FIELD:	SL,GPS
DRAWN:	MLS
DATE:	10/4/13
CHECKED:	CBM
REVISION:	

JOB NO. 212-691-1.1