

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

API NUMBER: 149 21716

Approval Date: 01/13/2015

Expiration Date: 07/13/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 11N Rge: 20W

County: WASHITA

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 240 660

Lease Name: MARY LAMM

Well No: 1-12HA

Well will be 240 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

PATTY JEAN MERZ
P. O. BOX 77
CANUTE OK 73626

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

Name	Depth	Name	Depth
1 HOXBAR	10131	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 130975

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407794
201408500

Special Orders:

Total Depth: 15034

Ground Elevation: 1850

Surface Casing: 700

Depth to base of Treatable Water-Bearing FM: 590

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: ELK CITY

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

PERMIT NO: 15-29434

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 12 Twp 11N Rge 20W County WASHITA

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 868

Depth of Deviation: 9966

Radius of Turn: 181

Direction: 360

Total Length: 4783

Measured Total Depth: 15034

True Vertical Depth: 10131

End Point Location from Lease,

Unit, or Property Line: 200

Additional Surface Owner	Address	City, State, Zip
HORIZON HERITAGE PARTNERSHIP	9304 SOUTH MCKINLEY	OKLAHOMA CITY, OK 73139

Notes:

Category

Description

PENDING CD - 201407794

1/13/2015 - G91 - 12-11N-20W
X130975 HXBR
1 WELL
NO OP. NAMED
REC. 12-22-2014 (CANDLER)

PENDING CD - 201408500

1/13/2015 - G91 - (I.O.) 12-11N-20W
X130975 HXBR
SHL NCT 200 FSL, NCT 660 FWL
COMPL. INT. NCT 300 FSL, NCT 300 FNL, NCT 500 FWL
NO OP. NAMED
REC. 12-15-2014 (MCKEOWN)

SPACING - 130975

1/13/2015 - G91 - (640) 12-11N-20W
EST HXBR, OTHERS
EXT OTHERS

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.

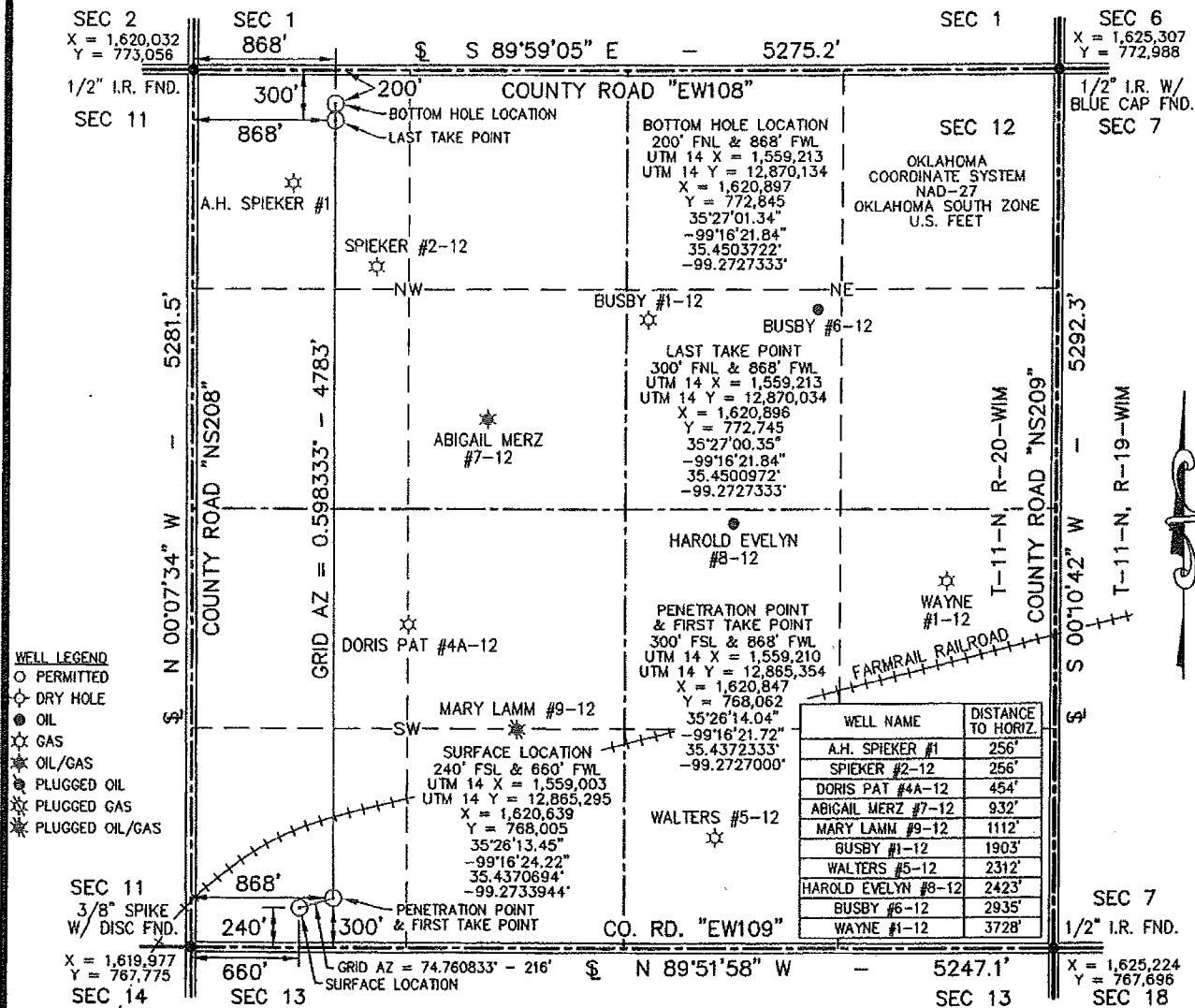
149 21716 MARY LAMM 1-12HA

149.21714

PROPOSED NEW WELL LOCATION PLAT

EXHIBIT "A"

COMPANY ENERVEST OPERATING, LLC LEASE MARY LAMM WELL NO. 1-12HA
 SECTION 12 TOWNSHIP 11-N RANGE 20-WIM LOCATION 240' FSL 660' FWL
 COUNTY WASHITA STATE OKLAHOMA TOPOGRAPHY AND VEGETATION WHEAT FIELD
 LATITUDE 35°26'13.45" LONGITUDE -99°16'24.22" NAD27 ELEVATION 1850' NGVD29 DATE STAKED 1/2/15
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 1.0 MILE NORTH OF CANUTE, OKLAHOMA



NOTE:

- This plat is intended for Oklahoma Corporation Commission Permit purposes only and is NOT to be relied upon as a boundary survey and is NOT to be used to convey or establish real property interests.
- Bearings and dimensions shown are based on Geodetic Azimuth and Ground distance. All X,Y coordinates are based on NAD27, Oklahoma South Zone, U.S. Feet.
- X,Y Coordinates were derived from GPS RTK methods and are only accurate within +/- 10 feet.

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.

SIGNED: _____ DATED: 1/5/15

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, 2016

ENERVEST
 1001 FANNIN STREET
 SUITE 800
 HOUSTON, TEXAS 77002

FIELD:	KB,CM,GPS
DRAWN:	MLS
DATE:	1/5/15
CHECKED:	CBM
REVISION:	



JOB NO. 214-672-1.1