

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

API NUMBER: 129 24020

Approval Date: 10/23/2014

Expiration Date: 04/23/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 11N Rge: 23W

County: ROGER MILLS

SPOT LOCATION: ☐ SE ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 320 2350

Lease Name: HALL

Well No: 2-2HB-R

Well will be 320 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

ESTATE OF RUSSELL & LOUISE HALL, BY STAN HALL,
PERSONAL REP.
908 NEWBERRY DRIVE
RICHARDSON TX 75080

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

	Name	Depth	Name	Depth
1	MARMATON	12904	6	
2	CHEROKEE UP	14310	7	
3	CHEROKEE LOW	14664	8	
4			9	
5			10	

Spacing Orders: 183282
211048

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406470
201406469

Special Orders:

Total Depth: 17613

Ground Elevation: 2127

Surface Casing: 940

Depth to base of Treatable Water-Bearing FM: 790

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: 14-28755
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 02 Twp 11N Rge 23W County ROGER MILLS

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 245

Feet From: EAST 1/4 Section Line: 2635

Depth of Deviation: 13096

Radius of Turn: 11

Direction: 1

Total Length: 4789

Measured Total Depth: 17613

True Vertical Depth: 14664

End Point Location from Lease,

Unit, or Property Line: 245

Notes:

Category

Description

PENDING CD - 201406469

10/23/2014 - G91 - 2-11N-23W
X 183282 MRMN, CHRKU
X OTHER
1 WELL
NO OP. NAMED
REC. 9-30-2014 (CANDLER)

PENDING CD - 201406470

10/23/2014 - G91 - (I.O.) 2-11N-23W
X 183282 MRMN, CHRKU
X 211048 CHRKL
SHL NCT 320 FSL NCT 2365 FWL **
COMP INT. NCT 330 FSL NCT 330 FNL NCT 1980 FWL OR FEL
NO OP. NAMED
REC. 9-30-2014 (CANDLER)

SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR

SPACING - 183282

10/23/2014 - G91 - (640) 2-11N-23W
EXT OTHERS
EXT 132600/145095 MRMN, CHRKU, OTHERS

SPACING - 211048

10/23/2014 - G91 - (640) 2-11N-23W
EXT 187300 CHRKL (FROM RDFK THROUGH BRVL), OTHERS
EXT OTHERS

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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.

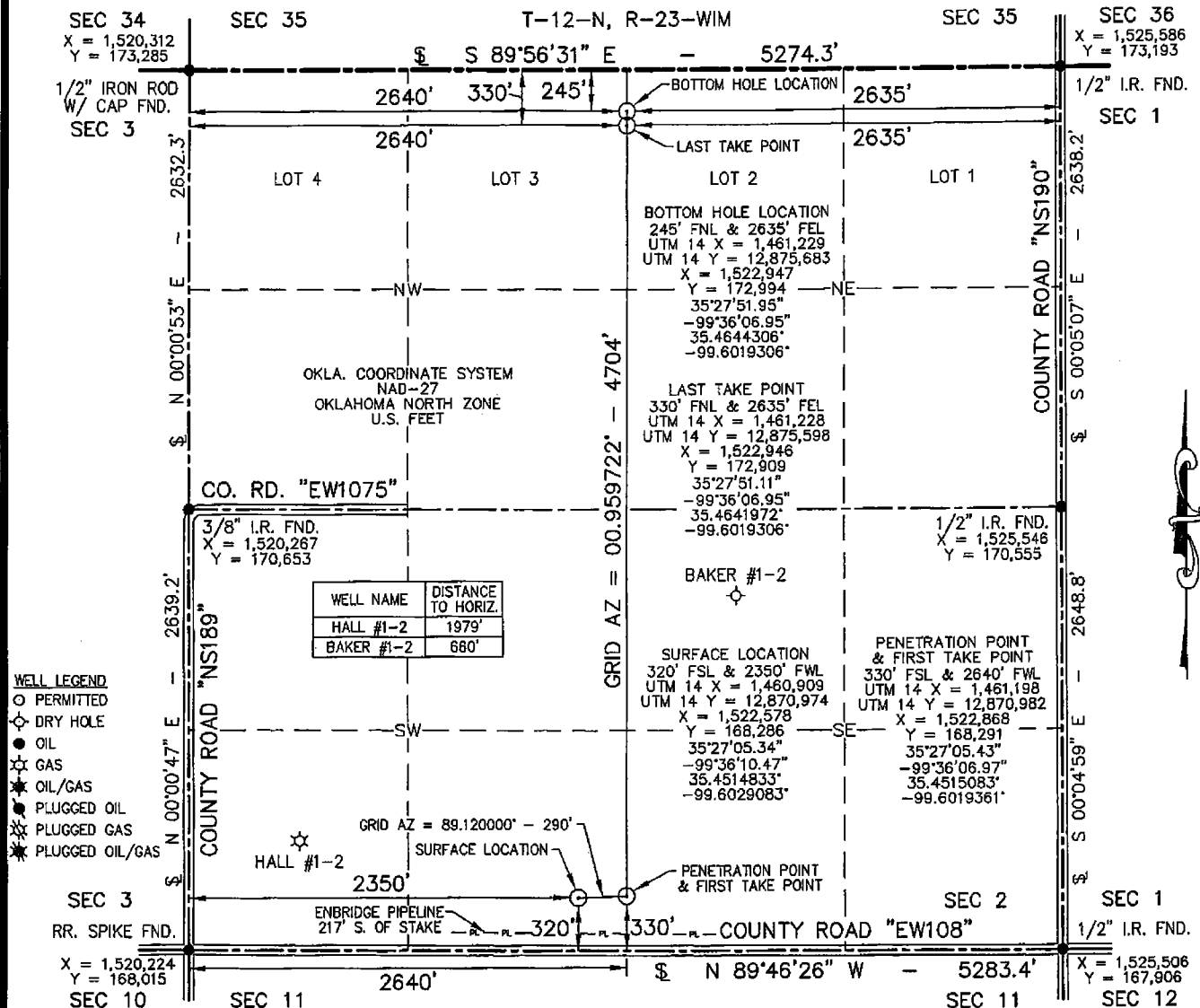
129 24020 HALL 2-2HB-R

PROPOSED NEW WELL LOCATION PLAT

EXHIBIT "A"

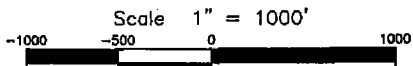
COMPANY ENERVEST OPERATING, LLC LEASE HALL WELL NO. 2-2HB-R
 SECTION 2 TOWNSHIP 11-N RANGE 23-WIM LOCATION 320' FSL 2350' FWL
 COUNTY ROGER MILLS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PLOWED FIELD
 LATITUDE 35°27'05.34" LONGITUDE -99°36'10.47" NAD27 ELEVATION 2126' NGVD29 DATE STAKED 10/20/14
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 11.5 MILES SOUTHEAST OF CHEYENNE, OKLAHOMA

129-24020



- WELL LEGEND**
- PERMITTED
 - DRY HOLE
 - OIL
 - ☆ GAS
 - ☆ OIL/GAS
 - ☆ PLUGGED OIL
 - ☆ PLUGGED GAS
 - ☆ PLUGGED OIL/GAS

WELL NAME	DISTANCE TO HORIZ.
HALL #1-2	1979'
BAKER #1-2	680'



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 North 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: [Signature] DATED: 10/21/14

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,GPS
DRAWN:	AJV
DATE:	10/22/14
CHECKED:	MLS
REVISION:	WELL NO.

REGISTERED PROFESSIONAL LAND SURVEYOR
 CURT McPHERSON
 1513
 OKLAHOMA
 JOB NO. 214-668-1.1