

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

API NUMBER: 149 21719

Approval Date: 03/05/2015

Expiration Date: 09/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 10N Rge: 18W

County: WASHITA

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 300 2315

Lease Name: GRAY

Well No: 1-30HB

Well will be 300 feet from nearest unit or lease boundary.

Operator
Name: ENERVEST OPERATING LLC

Telephone: 7134956530; 7134956

OTC/OCC Number: 19848 0

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

GEORGE D. GRAY REVOCABLE LIVING TRUST
P.O. BOX 429
GEORGE D. GRAY, TRUSTEE
BURNS FLAT OK 73624

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

Name	Depth	Name	Depth
1 GRANITE WASH	12454	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 173229

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500154
201500156

Special Orders:

Total Depth: 17156

Ground Elevation: 1855

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 730

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: 15-29694
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 30 Twp 10N Rge 18W County WASHITA

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 245

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 11525

Radius of Turn: 600

Direction: 185

Total Length: 4688

Measured Total Depth: 17156

True Vertical Depth: 12641

End Point Location from Lease,

Unit, or Property Line: 245

Notes:

Category

Description

DEEP SURFACE CASING

3/4/2015 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

PENDING CD - 201500154

3/5/2015 - G76 - (E.O.) 30-10N-18W
X173229 GRWS
COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 1320 FEL
ENERVEST OP., L.L.C.
REC 3/2/2015 (MCKEOWN)

PENDING CD - 201500156

3/5/2015 - G76 - (E.O.) 30-10N-18W
X173229 GRWS
1 WELL
ENERVEST OP., L.L.C.
REC. 3/2/2015 (MCKEOWN)

SPACING - 173229

3/5/2015 - G76 - (640) 30-10N-18W
EST OTHERS
EXT 15486 GRWS

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149 21719 GRAY 1-30HB

