

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

API NUMBER: 009 21963

Approval Date: 10/31/2014

Expiration Date: 04/30/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 11N Rge: 25W

County: BECKHAM

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 280 880

Lease Name: ANDERSON

Well No: 4-19HC

Well will be 280 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

JAMES PATRICK ANDERSON AND DEBBIE ANDERSON
11031 N. 1740 ROAD
SWEETWATEWR OK 73666

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

Name	Depth	Name	Depth
1 DES MOINES	12877	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 191576

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407606
201407605

Special Orders:

Total Depth: 17500

Ground Elevation: 2142

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: OGALLALA

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

PERMIT NO: 14-28681

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 19 Twp 11N Rge 25W County BECKHAM

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 245

Feet From: EAST 1/4 Section Line: 880

Depth of Deviation: 12997

Radius of Turn: 2

Direction: 180

Total Length: 4608

Measured Total Depth: 17500

True Vertical Depth: 12981

End Point Location from Lease,

Unit, or Property Line: 245

Notes:

Category

Description

PENDING CD - 201407605

10/30/2014 - G72 - 19-11N-25W (E.O.)
X 191576 DSMN
1 WELL
NO OPER NAMED
REC 10/27/2014 (DECKER)

PENDING CD - 201407606

10/29/2014 - G72 - 19-11N-25W (E.O.)(AMD APP)
X 191576 DSMN,
SHL NCT 280 FNL NCT 880 FEL,
COMP INT. NCT 330 FNL NCT 330 FSL NCT 780 FEL,
BHL NCT 0 FSL NCT 780 FEL,
REC 10/27/2014 (DECKER)

SPACING - 191576

10/29/2014 - G72 - (640) 19-11N-25W
EXT 171758 DSMN, OTHER

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.

009 21963 ANDERSON 4-19HC