

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

API NUMBER: 047 25024

Approval Date: 03/30/2015

Expiration Date: 09/30/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 21N Rge: 8W

County: GARFIELD

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 1631

Lease Name: RACCOON

Well No: 3-27H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: U S ENERGY DEVELOPMENT CORPORATION

Telephone: 7166360401

OTC/OCC Number: 23402 0

U S ENERGY DEVELOPMENT CORPORATION
2350 N FOREST RD
GETZVILLE, NY 14068-1296

CHARLES & CLAUDENE VAUGHAN
P.O. BOX 146
DRUMMOND OK 73735

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

Name	Depth	Name	Depth
1 MISS SAND	7120	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 62980

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201501089
201501090

Special Orders:

Total Depth: 12480

Ground Elevation: 1211

Surface Casing: 530

Depth to base of Treatable Water-Bearing FM: 480

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 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: BISON

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

PERMIT NO: 15-29682

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 27 Twp 21N Rge 8W County GARFIELD

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 1627

Depth of Deviation: 6700

Radius of Turn: 600

Direction: 359

Total Length: 4837

Measured Total Depth: 12480

True Vertical Depth: 7300

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

PENDING CD - 201501089

3/24/2015 - G75 - (I.O.) 27-21N-8W
X62980 MSSND
SHL NCT 200 FSL, NCT 660 FEL
COMPL. INT. NCT 200 FSL, NCT 200 FNL, NCT 660 FEL
BHL NCT 200 FNL, NCT 660 FEL
NO OP. NAMED
REC 3-30-2015 (THOMAS)

PENDING CD - 201501090

3/24/2015 - G75 - 27-21N-8W
X62980 MSSND
2 WELLS
NO OP. NAMED
REC 3-30-2015 (THOMAS)

SPACING - 62980

3/23/2015 - G75 - (640) 27-21N-8W
VAC 53277 MSSLM
EXT 60948 MSSND

This permit does not address the right of entry or settlement of surface damages.

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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.

047 25024 RACCOON 3-27H

API 047-25024

Certificate of Authorization No. 1293.

GARFIELD

County, Oklahoma

200'FSL-1000'FEL Section 27 Township 21N Range 8W I.M.

X	1990369
Y	464039

X 1987743
Y 464044

Bottom Hole
200'FNL-1000'FEL
NAD-27 (US Feet)
36°16'27.3"N
98°02'09.8"W
36.274246686°N
98.036065112°W
X= 1989369
Y= 463841

X	1985112
Y	461420

X	1990371
Y	461407

X	1985112
Y	458780

X	1987743
Y	458777

X 1990374
Y 458775

Bottom Hole and Drill Path information
provided by operator listed, NOT Surveyed.

NOTE:
The information shown herein is for
construction purposes ONLY.

Operator: US ENERGY DEVELOPMENT CORP.

Lease Name: RACCOON

Well No.: 3-27H

ELEVATION:

1211' Gr. at Stake

Topography & Vegetation Loc. fell in rolling wheat field

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction

from Hwy Jct or Town From Drummond, Ok, go ± 3 miles South on St. Hwy. 132 to the SE Cor. of Sec. 27--T21N--R8W

This information was gathered with a GPS receiver with ± 1 foot Horiz./Vert. accuracy.

DATUM: NAD-27
LAT: 36°15'39.2"N
LONG: 98°02'09.8"W
LAT: 36.260881509° N
LONG: 98.036045706° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1989373
Y: 458976

Invoice # 240565 Date of Drawing: Feb. 24, 2015
Date Staked: Feb. 19, 2015

LC

CERTIFICATE:

I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1778

