

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

API NUMBER: 039 22435

Approval Date: 05/30/2014

Expiration Date: 11/30/2014

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 15N Rge: 17W

County: CUSTER

SPOT LOCATION:

N2

N2

NW

NW

FEET FROM QUARTER: FROM

NORTH

FROM

WEST

SECTION LINES:

222

660

Lease Name: LUPINE

Well No: 1-23H

Well will be 222 feet from nearest unit or lease boundary.

Operator Name: FELIX ENERGY LLC

Telephone: 7209742062

OTC/OCC Number: 23331 0

FELIX ENERGY LLC  
1530 16TH ST STE 500  
DENVER , CO 80202-1467

NAOMI DAVENPORT  
8701 SWAN PARK DR  
DENTON TX 76210

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	8700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 134590

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402738

Special Orders:

Total Depth: 14000

Ground Elevation: 1864

**Surface Casing: 1000**

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: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 25000 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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 14-27140

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 23 Twp 15N Rge 17W County CUSTER

Spot Location of End Point: NE NE NW NW

Feet From: SOUTH 1/4 Section Line: 2352

Feet From: WEST 1/4 Section Line: 1000

Depth of Deviation: 8246

Radius of Turn: 573

Direction: 360

Total Length: 4833

Measured Total Depth: 14000

True Vertical Depth: 8820

End Point Location from Lease,  
Unit, or Property Line: 300

## Notes:

### Category

### Description

DEEP SURFACE CASING

5/29/2014 - 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

LOCATION EXCEPTION - 625641

5/29/2014 - G72 - 23-15N-17W (I.O.)  
X 134590 CGGV;  
SHL 222 FNL 660 FWL 26-15N-17W;  
POE NCT 300 FSL NCT 1000 FWL;  
BHL NCT 300 FNL NCT 1000 FWL;  
(CEMENTED LATERAL)  
FELIX ENERGY, LLC;  
5/19/2014

SPACING -134590

5/29/2014 - G72 - (640) 23-15N-17W  
EXT 101646 CGGV, 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.

039 22435 LUPINE 1-23H

