

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

API NUMBER: 039 22456

Approval Date: 01/26/2015

Expiration Date: 07/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 15N Rge: 18W

County: CUSTER

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 326 1000

Lease Name: BLACK BEAR

Well No: 1-13H

Well will be 326 feet from nearest unit or lease boundary.

Operator Name: FELIX ENERGY LLC

Telephone: 7209742067

OTC/OCC Number: 23331 0

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

AMBASSADOR INN INC
P O BOX 1167
GUYMON OK 73942

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

	Name	Depth	Name	Depth
1	COTTAGE GROVE	8770	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 634989

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201408441

Special Orders:

Total Depth: 14100

Ground Elevation: 1722

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 80000 Average: 70000

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 13 Twp 15N Rge 18W County CUSTER

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 295

Feet From: EAST 1/4 Section Line: 1000

Depth of Deviation: 8199

Radius of Turn: 669

Direction: 360

Total Length: 4850

Measured Total Depth: 14100

True Vertical Depth: 8770

End Point Location from Lease,
Unit, or Property Line: 295

Notes:

Category

Description

DEEP SURFACE CASING

1/26/2015 - 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

MEMO

1/26/2015 - G71 - PIT 1 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, PIT 2 - 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201408441

1/26/2015 - G91 - (I.O.) 13-15N-18W
X634989 CGGV
SHL 330 FNL, 1000 FEL 24-15N-18W **
COMPL. INT. NCT 330 FSL, NCT 330 FNL, NCT 1000 FEL
NO OP. NAMED
REC. 12-2-2014 (P. PORTER)

****TO BE CORRECTED AT FINAL HEARING PER OPERATOR****

SPACING - 634989

1/26/2015 - G91 - (640)(HOR) 13-15N-18W
EST CGGV
POE TO BHL NCT 660' FB
(COEXIST SP. 114452/166572, CGGV)

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039 22456 BLACK BEAR 1-13H