

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

API NUMBER: 017 24697

Approval Date: 09/04/2014
Expiration Date: 03/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 14N Rge: 8W County: CANADIAN
SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 290 220

Lease Name: WILDCARD Well No: 2215-1H Well will be 220 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

GEORGE & DEANNA HEUPEL
15151 N. CHILES RD.
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPI SOLID	9619	6	
2 WOODFORD	10162	7	
3		8	
4		9	
5		10	

Spacing Orders: 629067

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402881
201402882
201402883

Special Orders:

Total Depth: 20357

Ground Elevation: 1300

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

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: 5000 Average: 3000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BLAINE

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

PERMIT NO: 14-28208

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: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BLAINE

HORIZONTAL HOLE 1

Sec 15 Twp 14N Rge 8W County CANADIAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 9280

Radius of Turn: 521

Direction: 2

Total Length: 10259

Measured Total Depth: 20357

True Vertical Depth: 10162

End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

8/22/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

INTERMEDIATE CASING

8/22/2014 - G76 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

8/22/2014 - G76 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201402881

8/27/2014 - G75 - (640)(HOR) 15-14N-8W
EST MSSSD, WDFD, OTHER
POE TO BHL (MSSSD) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 7-14-2014 (CANDLER)

PENDING CD - 201402882

8/27/2014 - G75 - (I.O.)(640) 15 & 22-14N-8W
EST MULTIUNIT HORIZONTAL WELL
X201402881 MSSSD, WDFD 15-14N-8W
X629067 MSSSD, WDFD, 22-14N-8W
(WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSSD)
50% 15-14N-8W
50% 22-14N-8W
FELIX ENERGY, LLC
REC 7-14-2014 (CANDLER)

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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.

017 24697 WILDCARD 2215-1H

Category	Description
PENDING CD - 201402883	<p>8/27/2014 - G75 - (I.O.) 15 & 22-14N-8W X201402881 MSSSD, WDFD 15-14N-8W X629067 MSSSD, WDFD 22-14N-8W SHL NCT 200 FNL, NCT 330 FWL 27-14N-8W ** FIRST PERF (22-14N-8W) NCT 165 FSL, NCT 330 FWL LAST PERF (22-14N-8W) NCT 0 FNL, NCT 330 FWL FIRST PERF (15-14N-8W) NCT 0 FSL, NCT 330 FWL LAST PERF (15-14N-8W) NCT 165 FNL, NCT 330 FWL FELIX ENERGY, LLC REC 7-14-2014 (CANDLER)</p> <p>** ITD HAS SHL AS 290 FNL, 220 FWL 27-14N-8W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p>
SPACING - 629067	<p>8/27/2014 - G75 - (640)(HOR) 22-14N-8W EST MSSSD, WDFD, OTHER POE TO BHL (MSSSD) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)</p>

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