

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

API NUMBER: 051 24071

Approval Date: 10/17/2016
Expiration Date: 04/17/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 6N Rge: 6W

County: GRADY

SPOT LOCATION: NW SW NE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1965 1275

Lease Name: TRAMMELL

Well No: 1R-11-14-23XH

Well will be 1275 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

FELAN FARMS, INC
4400 N. BARNES
OKLAHOMA CITY OK 73112

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

	Name	Depth	Name	Depth
1	MORROW	12077	6	
2	SPRINGER	12252	7	
3			8	
4			9	
5			10	

Spacing Orders: 116468

Location Exception Orders: 655993

Increased Density Orders:

Pending CD Numbers: 201602508

Special Orders:

Total Depth: 23706

Ground Elevation: 1169

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 640

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2500

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: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 16-31350

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: 300000 Average: 250000
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: 3
Liner required for Category: 3
Pit Location is NON HSA
Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 23 Twp 6N Rge 6W County GRADY
Spot Location of End Point: W2 E2 W2 E2
Feet From: SOUTH 1/4 Section Line: 2640
Feet From: EAST 1/4 Section Line: 1800
Depth of Deviation: 12632
Radius of Turn: 750
Direction: 185
Total Length: 9896
Measured Total Depth: 23706
True Vertical Depth: 12864
End Point Location from Lease,
Unit, or Property Line: 1800

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, LOCATION EXCEPTION - 655993, and MEMO.

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Category	Description
PENDING CD - 201602508	10/17/2016 - G75 - (I.O.) 11, 14 & 23-6N-6W EST MULTIUNIT HORIZONTAL WELL X116468 MRRW, SPRG (MRRW ASSOCIATED COMMON SOURCE OF SUPPLY TO SPRG) 20% 11-6N-6W 54% 14-6N-6W 26% 23-6N-6W CONTINENTAL RESOURCES, INC. REC 7-11-2016 (NORRIS)
SPACING - 116468	10/17/2016 - G75 - (640) 11, 14 & 23-6N-6W VAC OTHERS EST MRRW, SPRG, OTHERS

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 Office of the Conservation Division as to when Surface Casing will be run.