

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

API NUMBER: 049 25024 A

Approval Date: 10/31/2014
Expiration Date: 04/30/2015

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER, TOTAL DEPTH & BOTTOM-HOLE LOCATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 1N Rge: 1E

County: GARVIN

SPOT LOCATION: NW NW NW NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 2350

Lease Name: RAYBURN

Well No: 1-29H

Well will be 250 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

LIGHTNING ROD RANCH C/O JANET CHARALAMPOUS
36819 HWY. 7
DAVIS OK 73030

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN UNDERTHRUST	11646	6	
2	WOODFORD UNDERTHRUST	12054	7	
3	HUNTON UNDERTHRUST	12295	8	
4			9	
5			10	

Spacing Orders: 644496

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407685

Special Orders:

Total Depth: 14009

Ground Elevation: 824

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 40

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: OSCAR

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-28338

H. PIT 2 - 20-MIL LINER REQUIRED, OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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 located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is BED AQUIFER
Pit Location Formation: OSCAR

HORIZONTAL HOLE 1

Sec 29 Twp 1N Rge 1E County GARVIN
Spot Location of End Point: NE SE SW NE
Feet From: NORTH 1/4 Section Line: 2022
Feet From: EAST 1/4 Section Line: 1603
Depth of Deviation: 11926
Radius of Turn: 545
Direction: 175
Total Length: 1227
Measured Total Depth: 14009
True Vertical Depth: 12295
End Point Location from Lease,
Unit, or Property Line: 1603

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, PENDING CD - 201407685, and SPACING - 644496.

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.