

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

API NUMBER: 137 27303 B

Approval Date: 08/20/2014
Expiration Date: 02/20/2015

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER AND CHANGE BACK TO A SINGLE SECTION HORIZONTAL WELL.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 1N Rge: 4W

County: STEPHENS

SPOT LOCATION: SW SW SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 280 220

Lease Name: SIKES

Well No: 1-31H

Well will be 220 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349000; 4052349

OTC/OCC Number: 3186 0

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

LLOYD & SHEILA ELY TRUSTEES ELY 1990 REV TRUST
RT 4 BOX 173
DUNCAN OK 73533

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

	Name	Depth	Name	Depth
1	ATOKA	6550	6	
2	SPRINGER	7229	7	
3	MISSISSIPPIAN	7230	8	
4	WOODFORD	10714	9	
5	HUNTON	11227	10	

Spacing Orders: 629881

Location Exception Orders: 630043

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15743

Ground Elevation: 1100

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 710

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: PURCELL

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-28013

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 located in a Hydrologically Sensitive Area.

Category of Pit: 3
Liner required for Category: 3
Pit Location is BED AQUIFER
Pit Location Formation: PURCELL

HORIZONTAL HOLE 1

Sec 31 Twp 1N Rge 4W County STEPHENS
Spot Location of End Point: N2 NW NW NW
Feet From: NORTH 1/4 Section Line: 50
Feet From: WEST 1/4 Section Line: 330
Depth of Deviation: 10520
Radius of Turn: 478
Direction: 180
Total Length: 4473
Measured Total Depth: 15743
True Vertical Depth: 11227
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Table with 2 columns: Category, Description. Contains notes on DEEP SURFACE CASING, LOCATION EXCEPTION - 630043, MEMO, and SPACING - 629881.

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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.