

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 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGE NAME, BHL, TD & FORMATIONS,
CHANGE WELL NUMBER

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: 1-31-30XH

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 WOODFORD	12200	6	
2 HUNTON	12580	7	
3		8	
4		9	
5		10	

Spacing Orders: 629881

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406997
201406999
201406998

Special Orders:

Total Depth: 21250

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 30 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: 360
Total Length: 10100
Measured Total Depth: 21250
True Vertical Depth: 12580
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Table with 2 columns: Category, Description. Contains notes about casing, pit liner, well number changes, and pending CD applications.

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Category	Description
SPACING - 629881	8/19/2014 - G72 - (640) 31-01N-04W (E.O.) VAC 158617 SPRG; VAC 184770 SPRG; EXT 611170 & 623476 ATOK, SPRG, MSSP, WDFD, HNTN, OTHERS CONTINENTAL RESOURCES, INC 8/29/2014

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Horizontal Hole Oil & Gas

Amend reason: CHANGE NAME, BHL & FORMATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 1N Rge: 4W County: STEPHENS
SPOT LOCATION: SW SW SW SW SECTION LINES 250 220

Application for Intent to Drill

Lease Name: SIKES Well No: **31-30X4** Well will be 220 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349000; 4052349 DTC/OCC Number: 3186 0

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

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2	HUNTON	12580	7	
3			8	
4			9	
5			10	

Spacing Orders: (E.O.) 629881

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406997 Hearing 9/26/2014

Special Orders:

201406999 " " "
201406998 " " "

Total Depth: **21250** 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

Approved Method for disposal of Drilling Fluids:

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

A. Evaporation/dewater and backfilling of reserve pit.
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28013
H. SEE MEMO

**TEMPORARY AUTHORIZATION
TO DRILL**

Expiration Date: 9-26-2014
Signature: Nigina Hullinger
165:10-3-1-1

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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.

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

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Liner required for Category: 3

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HORIZONTAL HOLE 1

Sec 30 Twp 1N Rge 4W County STEPHENS

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Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 10520

Radius of Turn: 478

Direction: 360

Total Length: 10100

Measured Total Depth: 21250

True Vertical Depth: 11227

End Point Location from Lease,
Unit, or Property Line: 50

Application for Intent to Drill

Notes:

Category

DEEP SURFACE CASING

Description

8/18/2014 - G76 - 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

8/18/2014 - G76 - PIT 2 - 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS HAUL TO DEQ APPROVED FACILITY - PAUL VALLEY LANDFILL (GARVIN) - 3525009 - SOUTHERN PLAINS LANDFILL (GRADY) - 3526013

Spacing 629881

8/19/2014 - G72 - (640) 31-01N-04W (E.O.)
VAC 158617 SPRG;
VAC 184770 SPRG;
EXT 611170 & 623476 ATOK, SPRG, MSSP, WDFD, HNTN, OTHERS

Continental Resources INC

8/29/2014