

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

API NUMBER: 049 25087 A

Approval Date: 11/30/2016
Expiration Date: 05/30/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER & BOTTOM-HOLE
LOCATION; DELETE FORMATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 3N Rge: 4W

County: GARVIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 330 1300

Lease Name: SYMPSON

Well No: 12-6H

Well will be 330 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

LYLE LAND & CATTLE, LLC C/O ROBERT LYLE III
1308 CHAIN BRIDGE COURT
EDMOND OK 73034

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

	Name	Depth	Name	Depth
1	SYCAMORE	15128	6	
2	WOODFORD	15378	7	
3			8	
4			9	
5			10	

Spacing Orders: 602911

Location Exception Orders: 678768
680200

Increased Density Orders: 659525

Pending CD Numbers:

Special Orders:

Total Depth: 20336

Ground Elevation: 1147

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 120

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: 2000

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 16-31840

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 06 Twp 2N Rge 4W County STEPHENS

Spot Location of End Point: SE SW SE SW

Feet From: SOUTH 1/4 Section Line: 244

Feet From: WEST 1/4 Section Line: 1861

Depth of Deviation: 14900

Radius of Turn: 573

Direction: 175

Total Length: 4536

Measured Total Depth: 20336

True Vertical Depth: 15528

End Point Location from Lease,
Unit, or Property Line: 244

Notes:

Category

Description

DEEP SURFACE CASING

11/28/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

11/28/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INCREASED DENSITY - 659525

12/27/2017 - G75 - 6-2N-4W
X602911 WDFD
10 WELLS
CONTINENTAL RESOURCES, INC.
1-3-2017 (WELL SPUD 2-12-2017)

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049 25087 SYMPSON 12-6H

Category	Description
LOCATION EXCEPTION - 678768	<p>6/15/2018 - G75 - (F.O.) X602911 SCMR, WDFD X165:10-3-28(C)(2)(B) 483' TO SYMPSON 9-7-6HX, 459' TO SYMPSON 7-6-7XH ** SHL (31-3N-4W) 330' FSL, 1300' FWL COMPL. INT. WDFD (6-2N-4W) 463' FNL & 1924' FWL COMPL. INT. SCMR (6-2N-4W) 2289' FNL & 1929' FWL COMPL. INT. WDFD (6-2N-4W) 751' FSL & 1897' FWL COMPL. INT. SCMR (6-2N-4W) 342' FSL & 1867' FWL BHL (6-2N-4W) 244' FSL, 1861' FWL CONTINENTAL RESOURCES, INC. 6-6-2018</p> <p>** S/B SYMPSON 13-6-7XH & SYMPSON 5-7-6XH; ANTI-COLLISION REPORT FROM OPERATOR INDICATES ONLY SYMPSON 5-7-6XH</p>
LOCATION EXCEPTION - 680200	7/20/2018 - G75 - NPT 678768 TO X165:10-3-28(C)(2)(B) 473' TO SYMPSON 5-7-6XH
MEMO	11/28/2016 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO DEQ APPROVED FACILITIES (PAULS VALLEY LANDFILL, GARVIN CO., # 3525009 OR SOUTHERN PLAINS LANDFILL, GRADY CO., # 3526013)
SPACING - 602911	<p>6/15/2018 - G75 - (640) 6-2N-4W EST OTHERS EXT 599570 SCMR, WDFD, OTHERS EXT OTHERS</p>
WATERSHED STRUCTURE	11/28/2016 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-7233 PRIOR TO DRILLING

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