

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

API NUMBER: 039 22536 A

Approval Date: 04/18/2018

Expiration Date: 10/18/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER, TD, BOTTOM HOLE
INFORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 14N Rge: 14W

County: CUSTER

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 280 981

Lease Name: NOLT

Well No: 1-14-11XHW

Well will be 280 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

WAYNE SCHROCK
24327 E 930 RD
THOMAS OK 73669

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	13801	6	
2	WOODFORD	14501	7	
3			8	
4			9	
5			10	

Spacing Orders: 676169
676847

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708283
201708284

Special Orders:

Total Depth: 25215

Ground Elevation: 1702

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 17-33587

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 11 Twp 14N Rge 14W County CUSTER

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: 14192

Radius of Turn: 418

Direction: 354

Total Length: 10366

Measured Total Depth: 25215

True Vertical Depth: 14501

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

Notes:

Category

Description

DEEP SURFACE CASING

3/29/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

3/16/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

MEMO

3/29/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category	Description
PENDING CD - 201708283	3/29/2018 - G56 - (I.O.) 14 & 11-14N-14W EST. MULTIUNIT HOR. WELL X676847 MSSP, WDFD (14-14N-14W) X676169 MSSP, WDFD (11-14N-14W) (MSSP IS AN ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% (14-14N-14W) 50% (11-14N-14W) CONTINENTAL RESOURCES, INC. REC. 5/1/18 (NORRIS)
PENDING CD - 201708284	3/29/2018 - G56 - (I.O.) 14 & 11-14N-14W X676847 MSSP, WDFD (14-14N14W) X676169 MSSP, WDFD (11-14N-14W) COMPL. INT. (14-14N-14W) NCT 330' FSL NCT 0' FNL, NCT 330' FWL COMPL. INT. (11-14N-14W) NCT 0' FSL NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC. 5/29/18 (JACKSON)
SPACING - 676169	3/29/2018 - G56 - (640) 11-14N-14W VAC. 94272 MSCST EST. MSSP, WDFD
SPACING - 676847	3/29/2018 - G56 - (640) 14-14N-14W VAC. 94272 MSCST EXT. 99558 MSSP EST. WDFD

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