

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

API NUMBER: 051 24328 A

Approval Date: 04/13/2018
Expiration Date: 10/13/2018

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: AMEND LOCATION EXCEPTION ORDER, UPDATE
ORDERS, UPDATE BHL INFO

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: SW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 364 2230

Lease Name: LOWERS

Well No: 3-14-11-2XHS

Well will be 364 feet from nearest unit or lease boundary.

Operator CONTINENTAL RESOURCES INC
Name:

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

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

WARD H. & SHELLEY A. HILL
2238 COUNTY STREET 2920
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	SPRINGER	11566	6	
2	GODDARD	11680	7	
3			8	
4			9	
5			10	

Spacing Orders: 564117
568015
598786
699664

Location Exception Orders: 699663

Increased Density Orders: 693652
693541
693652

Pending CD Numbers:

Special Orders:

Total Depth: 23519

Ground Elevation: 1184

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 420

Deep surface casing has been approved

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: CLOSED Closed System Means Steel Pits

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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

PERMIT NO: 18-34171

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 02 Twp 7N Rge 6W County GRADY

Spot Location of End Point: SE NW SE SW

Feet From: SOUTH 1/4 Section Line: 916

Feet From: WEST 1/4 Section Line: 1953

Depth of Deviation: 11514

Radius of Turn: 528

Direction: 358

Total Length: 11175

Measured Total Depth: 23519

True Vertical Depth: 11948

End Point Location from Lease,
Unit, or Property Line: 916

Notes:

Category

Description

DEEP SURFACE CASING

3/30/2018 - 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

3/30/2018 - 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

INCREASED DENSITY - 693541

4/10/2018 - G57 - 11-7N-6W
X564117 GDRD
2 WELLS
NO OP. NAMED
3/27/2019

INCREASED DENSITY - 693542

4/10/2018 - G57 - 14-7N-6W
X568015 GDRD
2 WELLS
NO OP. NAMED
3/27/2019

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 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.

051 24328 LOWERS 3-14-11-2XHS

INCREASED DENSITY - 693652	10/2/2019 - G56 - 2-7N-6W X598786 SPRG 3 WELLS NO OP NAMED 3/28/2019
LOCATION EXCEPTION - 699663	4/10/2018 - G57 - (F.O.) 14,11,2-7N-6W X568015 GDRD 14-7N-6W X564117 GDRD 11-7N-6W X598786 SPRG 2-7N-6W COMPL. INT. (14-7N-6W) FIRST PERF 161' FSL, 1966' FWL; LAST PERF 26' FNL, 1950' FWL COMPL. INT. (11-7N-6W) FIRST PERF 21' FSL, 1950' FWL; LAST PERF 27' FNL, 2013' FWL COMPL. INT. (2-7N-6W) FIRST PERF 29' FSL, 2013' FWL; LAST PERF 743' FSL, 1965' FWL CONTINENTAL RESOURCES, INC. 7/25/2019
MEMO	3/30/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 564117	10/2/2019 - G56 - (640) 11-7N-6W EST GDRD, OTHERS
SPACING - 568015	10/2/2019 - G56 - (640) 14-7N-6W EXT OTHER EST GDRD, OTHERS
SPACING - 598786	4/10/2018 - G57 - (640) 2-7N-6W EXT 594618 SPRG EXT OTHERS
SPACING - 699664	4/10/2018 - G57 - (F.O.) 14, 11, 2-7N-6W EST MULTIUNIT HORIZONTAL WELL X568015 GDRD 14-7N-6W X564117 GDRD 11-7N-6W X598786 SPRG 2-7N-6W 45.93% 14-7N-6W 47.39% 11-7N-6W 16.68% 2-7N-6W CONTINENTAL RESOURCES, INC. 7/25/2019