

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

API NUMBER: 051 24552

Approval Date: 01/17/2019

Expiration Date: 07/17/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NE ☐ SE ☐ NW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1653 1030

Lease Name: KATHRYN

Well No: 2-31-6XHS

Well will be 1030 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 268870
OKLAHOMA CITY, OK 73126-9000

DESERT ROSE FAMILY, LLC
2439 COUNTY STREET 2872
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	SPRINGER	13084	6	
2	GODDARD	13394	7	
3			8	
4			9	
5			10	

Spacing Orders: 123130
116468

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810596
201810597
201810595
201810602

Special Orders:

Total Depth: 19579

Ground Elevation: 1104

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 570

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 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: 18-36045

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 06 Twp 6N Rge 6W County GRADY

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 880

Depth of Deviation: 13031

Radius of Turn: 409

Direction: 182

Total Length: 5905

Measured Total Depth: 19579

True Vertical Depth: 13661

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

Notes:

Category

Description

DEEP SURFACE CASING

12/30/2018 - 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

12/30/2018 - 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

MEMO

12/30/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201810595

1/16/2019 - GA8 - (640)(HOR) 6-6N-6W
EST GDRD
COMPL. INT. NCT 660' FB
(COEXIST SP. ORDER # 116468 SPRG)
REC 1/7/2019 (NORRIS)

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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.

051 24552 KATHRYN 2-31-6XHS

Category	Description
PENDING CD - 201810596	1/16/2019 - GA8 - (I.O.) 31-7N-6W & 6-6N-6W EST MULTIUNIT HORIZONTAL WELL X123130 SPRG 31-7N-6W X201810595 GDRD 6-6N-6W 24% 31-7N-6W 76% 6-6N-6W CONTINENTAL RESOURCES, INC. REC 1/7/2019 (NORRIS)
PENDING CD - 201810597	1/16/2019 - GA8 - (I.O.) 31-7N-6W & 6-6N-6W X123130 SPRG 31-7N-6W X201810595 GDRD 6-6N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO LOWE 2-6 & PHELPS 1-31-30-19XHS SHL (31-7N-6W) NW4 SW4 COMPL. INT. (31-7N-6W) NCT 2640' FNL, NCT 0' FSL, NCT 660' FWL COMPL. INT. (6-6N-6W) NCT 0' FNL, NCT 150' FSL, NCT 660' FWL CONTINENTAL RESOURCES, INC. REC 1/7/2019 (NORRIS)
PENDING CD - 201810602	1/16/2019 - GA8 - 31-7N-6W X123130 SPRG 5 WELLS NO OP. NAMED REC 1/8/2019 (NORRIS)
SPACING - 116468	1/16/2019 - GA8 - (640) 6-6N-6W VAC OTHERS EST SPRG, OTHERS
SPACING - 123130	1/16/2019 - GA8 - (640) 31-7N-6W EXT 116468/118211 SPRG, OTHERS