

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

API NUMBER: 051 24739

Approval Date: 12/12/2019

Expiration Date: 06/12/2021

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 6N Rge: 5W

County: GRADY

SPOT LOCATION:

SW

NE

SW

SW

FEET FROM QUARTER: FROM

SOUTH

FROM

WEST

SECTION LINES:

975

747

Lease Name: BRAND 0605

Well No: 5-19-30WXH

Well will be 747 feet from nearest unit or lease boundary.

Operator  
Name: MARATHON OIL COMPANY

Telephone: 4057285228

OTC/OCC Number: 1363 0

MARATHON OIL COMPANY

PO BOX 68

HOUSTON, TX 77001-0068

DESERT ROSE FAMILY, LLC

2439 COUNTY STREET 2872

CHICKASHA OK 73018

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

| Name       | Depth | Name | Depth |
|------------|-------|------|-------|
| 1 WOODFORD | 13106 | 6    |       |
| 2          |       | 7    |       |
| 3          |       | 8    |       |
| 4          |       | 9    |       |
| 5          |       | 10   |       |

Spacing Orders: 620669  
620394

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905530  
201905537  
201905527  
201905528

Special Orders:

Total Depth: 23418

Ground Elevation: 1117

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 550

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

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-37122

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

## HORIZONTAL HOLE 1

Sec 30 Twp 6N Rge 5W County GRADY

Spot Location of End Point: SE SW SW NW

Feet From: NORTH 1/4 Section Line: 2590

Feet From: WEST 1/4 Section Line: 555

Depth of Deviation: 12629

Radius of Turn: 477

Direction: 182

Total Length: 10040

Measured Total Depth: 23418

True Vertical Depth: 13124

End Point Location from Lease,  
Unit, or Property Line: 555

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

11/25/2019 - 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

11/25/2019 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

11/25/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINTER CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201905527

12/4/2019 - GC2 - (I.O.) 19 & 30-6N-5W  
EST MULTIUNIT HORIZONTAL WELL  
X620669 WDFD  
X620394 WDFD  
67% 19-6N-5W  
33% 30-6N-5W  
NO OP. NAMED  
REC 12-10-2019 (NORRIS)

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

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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 24739 BRAND 0605 5-19-30WXH

|                        |   |
|------------------------|---|
| PENDING CD - 201905528 | 12/4/2019 - GC2 - (I.O.) 19 & 30-6N-5W<br>X620669 WDFD<br>X620394 WDFD<br>COMPL. INT. (19-6N-5W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL<br>COMPL. INT. (30-6N-5W) NCT 0' FNL, NCT 2,310' FSL, NCT 330' FWL<br>NO OP. NAMED<br>REC 12-10-2019 (NORRIS) |
| PENDING CD - 201905530 | 12/4/2019 - GC2 - 19-6N-5W<br>X620669 WDFD<br>5 WELLS<br>NO OP. NAMED<br>REC 12-10-2019 (NORRIS)  |
| PENDING CD - 201905533 | 12/4/2019 - GC2 - (I.O.) 30-6N-5W<br>X165:10-3-28(C)(2)(B) WDFD (BRAND 0605 5-19-30WXH)<br>MAY BE CLOSER THAN 600' TO BUNGAN 1-31-30XH, DUNGAN 2-31-30XHW, DUNGAN 4-31-30XHW<br>NO OP. NAMED<br>REC 12-10-2019 (NORRIS)                               |
| PENDING CD - 201905537 | 12/4/2019 - GC2 - 30-6N-5W<br>X620394 WDFD<br>4 WELLS<br>NO OP. NAMED<br>REC 12-10-2019 (NORRIS)  |
| SPACING - 620394       | 12/4/2019 - GC2 - (640)(HOR) 30-6N-5W<br>EXT OTHER<br>EXT 614562 WDFD<br>EST OTHER<br>COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL   |
| SPACING - 620669       | 12/4/2019 - GC2 - (640)(HOR) 19-6N-5W<br>VAC OTHER<br>EST WDFD, OTHER<br>COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330'  |

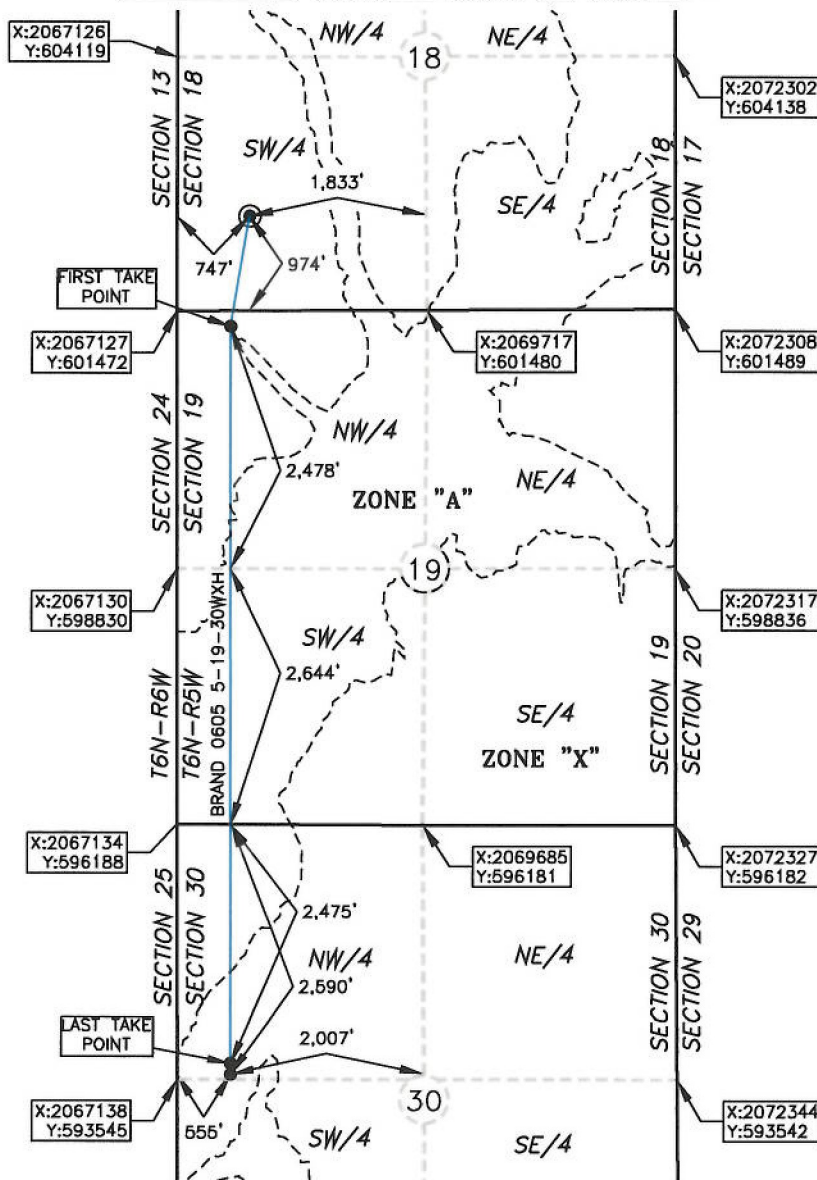
STATE PLANE  
NAD-27  
OK SOUTH

0' 1000' 2000'



975' FSL - 747' FWL SECTION 18 TOWNSHIP 06N RANGE 05W I.M.

PROPOSED  
BOTTOM HOLE  
2,590'FNL-555'FWL  
NAD 27 (US FEET)  
N34°57'51.3"  
W97°46'26.7"  
N34.964262  
W97.774077  
X:2067692  
Y:593596



1,117' GR. AT STAKE NGVD29

Y. 602448

Oklahoma Lic. No. 1653

