

API NUMBER: 051 24739 A

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

Approval Date: 12/12/2019

Expiration Date: 06/12/2021

Multi Unit Oil & Gas

Amend reason: ADD FORMATION AND UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 18 Township: 6N Range: 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: 8666622378 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
990 TOWN & COUNTRY BLVD
HOUSTON, TX 77024-2217

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

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

	Name	Code	Depth
1	WOODFORD	319WDFD	13106
2	MISSISSIPPIAN	359MSSP	13542

Spacing Orders: 620669
620394
721539

Location Exception Orders: 721540

Increased Density Orders: 706968
706969

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37122
H. (Other) SEE MEMO

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

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

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.

MULTI UNIT HOLE 1

Section: 30	Township: 6N	Range: 5W	Meridian: IM	Total Length: 10040
	County: GRADY			Measured Total Depth: 23418
Spot Location of End Point: SE	SW	SW	NW	True Vertical Depth: 15000
Feet From: NORTH		1/4 Section Line: 2590		End Point Location from
Feet From: EAST		1/4 Section Line: 555		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	<p>[3/1/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NH SHALL BE USED AND IS FOUND AT THIS LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INCREASED DENSITY - 706968	<p>3/1/2022 - GC2 - 19-6N-5W X620669 WDFD 5 WELLS MARATHON OIL COMPANY 12/30/2019</p>
INCREASED DENSITY - 706969	<p>3/1/2022 - GC2 - 30-6N-5W X620394 WDFD 4 WELLS MARATHON OIL COMPANY 12/30/2019</p>
LOCATION EXCEPTION - 721540	<p>3/1/2022 - GC2 - (F.O.) 19 & 30-6N-5W X620669 MSSP, WDFD 19-6N-5W X620394 MSSP, WDFD 30-6N-5W SHL 975' FSL, 747' FWL COMPL. INT. 1 (19-6N-5W)(WDFD) 167' FNL, 844' FWL, 7' FSL, 545' FWL COMPL. INT. 2 (30-6N-5W)(WDFD) 13' FNL, 546' FWL, 328' FNL, 555' FWL COMPL. INT. 3 (30-6N-5W)(MSSP) 338' FNL, 556' FWL, 678' FNL, 559' FWL COMPL. INT. 4 (30-6N-5W)(MSSP) 697' FNL, 559' FWL, 2405' FNL, 556' FWL NO OP. NAMED 11/8/2021</p>
MEMO	<p>11/25/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINTER CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 620394	<p>3/1/2022 - GC2 - (640)(HOR) 30-6N-5W EXT OTHER EXT 614562 WDFD EST MSSP COMPL. INT. (MSSP) NCT 660' FUB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL</p>
SPACING - 620669	<p>3/1/2022 - GC2 - (640)(HOR) 19-6N-5W VAC 153801 MSSP EST WDFD, MSSP COMPL. INT. (MSSP) NCT 660' FUB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330'</p>
SPACING - 721539	<p>3/1/2022 - GC2 - (F.O.) 19 & 30-6N-5W EST MULTIUNIT HORIZONTAL WELL X620669 WDFD, MSSP 19-6N-5W X620394 WDFD, MSSP 30-6N-5W 67.97% WDFD 19-6N-5W 4.74% MSSP 30-6N-5W 27.29% WDFD 30-6N-5W NO OP. NAMED 11/8/2021</p>

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 24739 BRAND 0605 5-19-30WXH