

API NUMBER: 051 24983 A

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

Approval Date: 11/01/2022

Expiration Date: 05/01/2024

Multi Unit Oil & Gas

Amend reason: AMEND WELL NAME

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 32 Township: 4N Range: 5W County: GRADY

SPOT LOCATION: SW NE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 724 539

Lease Name: BIG BIRD 0305 Well No: 1-5-8-17SXH Well will be 539 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

SAND CREEK RANCH, LLC  
MICHAEL O'NEAL  
P.O. BOX 13130  
OKLAHOMA CITY OK 73113

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

	Name	Code	Depth
1	SPRINGER DEEP	401SPRDP	13275
2	GODDARD (LESS SPRINGER)	401GRDLS	13276

Spacing Orders: 163830  
500105

Location Exception Orders: 729644

Increased Density Orders: 729575

Pending CD Numbers: 20223906

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 29295

Ground Elevation: 1212

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

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: 22-38654
H. (Other)	SEE MEMO	
G. Haul to recycling/re-use facility	Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 717266	

**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: BED AQUIFER

Pit Location Formation: DUNCAN

**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: BED AQUIFER

Pit Location Formation: DUNCAN

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: 17	Township: 3N	Range: 5W	Meridian: IM	Total Length: 15756	
	County: GRADY			Measured Total Depth: 29295	
Spot Location of End Point: S2	SE	SE	SE	True Vertical Depth: 14088	
Feet From: <b>SOUTH</b>		1/4 Section Line: 165		End Point Location from	
Feet From: <b>EAST</b>		1/4 Section Line: 330		Lease, Unit, or Property Line: 165	

#### NOTES:

Category	Description
DEEP SURFACE CASING	[10/28/2022 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[10/28/2022 - GC2] - OCC 165:10-3-10 REQUIRES:  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;  2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: <a href="https://oklahoma.gov/occ/divisions/oil-gas/ogcd-forms">HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS</a> ; AND,  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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 729575	[11/1/2022 - GB7] - 8-3N-5W X163830 SPRDP 1 WELL MARATHON OIL COMPANY 11/03/2022
LOCATION EXCEPTION - 729644 (CD2022-003907)	[11/1/2022 - GB7] - (I.O.) 5, 8, 17 -3N-5W X163830 SPRDP 5, 8 -3N-5W X500105 GRDLS 17-3N-5W COMPL. INT. (5-3N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (8-3N-5W) NCT 0' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (17-3N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OPER. NAMED 11/07/2022
MEMO	[10/28/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING – CD2022-003906	[11/1/2022 - GB7] - (I.O.) 5 & 8 & 17 -3N-5W EST. MULTIUNIT HORIZONTAL WELL X163830 SPRDP 5, 8 -3N-5W X500105 GRDLS 17-3N-5W 33% 5-3N-5W 34% 8-3N-5W 33% 17-3N-5W NO OPER. NAMED REC. 10/18/2022 (P. PORTER)
SPACING – 163830	[11/1/2022 - GB7] - (640) 5, 8-3N-5W EXT 123827 SPRDP, OTHERS
SPACING – 500105	[11/1/2022 - GB7] - (640) 17-3N-5W EXT 418506 GRDLS

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051 24983 BIG BIRD 0305 1-5-8-17SXH