

API NUMBER: 051 24675 A

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

Approval Date: 07/10/2019

Expiration Date: 01/10/2021

Horizontal Hole Oil & Gas

Amend reason: ADD FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 6N Range: 6W County: GRADY

SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 232 645

Lease Name: HAYMICH 0606 Well No: 1-22MH Well will be 232 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY Telephone: 8666622378 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
5555 SAN FELIPE ST
HOUSTON, TX 77056

JANET LEE BISHOP
P.O. BOX 13057
BURTON WA 98013

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

	Name	Code	Depth
1	SYCAMORE	352SCMR	13950
2	WOODFORD	319WDFD	14215

Spacing Orders: 598782

Location Exception Orders: 713093

Increased Density Orders: 711594
697571

Pending CD Numbers: 202001264

Special Orders: No Special Orders

Total Depth: 19407

Ground Elevation: 1044

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 510

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: 19-36803

H. 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.

HORIZONTAL HOLE 1

Section: 22	Township: 6N	Range: 6W	Total Length: 4948
County: GRADY			Measured Total Depth: 19297
Spot Location of End Point: NE	NW	NW	True Vertical Depth: 14441
Feet From: NORTH	1/4 Section Line: 176		End Point Location from
Feet From: WEST	1/4 Section Line: 372		Lease, Unit, or Property Line: 176

Additional Surface Owner(s)	Address	City, State, Zip
RICHARD L. & BRENDA KAY	27 LEISUREWOOD	BLANCHARD, OK 72113
L. B. & MARY B. CARR, JR.	2646 COUNTY ROAD 2950	BLANCHARD, OK 73130

NOTES:

Category	Description
DEEP SURFACE CASING	7/8/2019 - 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	7/8/2019 - 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 ; 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 - 697571 (201902357)	6/29/2020 - G56 - 22-6N-6W X598782 WDFD 6 WELLS NO OP NAMED 6/11/2019
INCREASED DENSITY - 711594 (201902356)	6/19/2020 - G56 - 22-6N-6W X598782 SCMR 1 WELL NO OP NAMED 5/15/2020
LOCATION EXCEPTION - 713093 (201902373)	7/23/2020 - G56 - (F.O.) 22-6N-6W X598782 SCMR SHL 232' FSL, 645' FWL COMPL INT (FIRST PERF) 162' FSL, 439' FWL COMPL INT (LAST PERF) 254' FNL, 372' FWL NO OP NAMED 7/14/2020
MEMO	7/8/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202001264	7/9/2020 - G56 - (I.O.) 22-6N-6W X598782 WDFD COMPL INT (FIRST PERF) 1569' FSL, 351' FWL COMPL INT (LAST PERF) 2126' FSL, 344' FWL NO OP NAMED REC 7/21/20 (PRESLAR)
SPACING - 598782	6/19/2020 - G56 - (640) 22-6N-6W EXT 580121/153801 SCMR, WDFD, OTHERS

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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 24675 HAYMICH 0606 1-22MH