

API NUMBER: 073 25671 A

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

Approval Date: 03/27/2020

Expiration Date: 09/27/2021

Horizontal Hole Oil & Gas

**PERMIT TO DEEPEN**

WELL LOCATION: Section: 14 Township: 19N Range: 7W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 294 2465

Lease Name: STOWEY 1907 Well No: 11-1LOH Well will be 294 feet from nearest unit or lease boundary.

Operator Name: CHISHOLM OIL & GAS OPERATING LLC Telephone: 9184886400 OTC/OCC Number: 23991 0

CHISHOLM OIL & GAS OPERATING LLC  
6100 S YALE AVE STE 1700  
TULSA, OK 74136-1921

CAROLYN S MARLEY LIVING TRUST  
2300 NORTH TYLER ROAD, APT 130  
WICHITA KS 67205

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

	Name	Code	Depth
1	MISSISSIPPI LIME	351MSSLM	6960
2	WOODFORD	319WDFD	7448

Spacing Orders: 645175

Location Exception Orders: 684613  
703452

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 12752 Ground Elevation: 1121

Surface Casing: 545 IP

Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: No  
Fresh Water Supply Well Drilled: No  
Surface Water used to Drill: No

**Approved Method for disposal of Drilling Fluids:**

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37339  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

**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: SALT PLAINS

**HORIZONTAL HOLE 1**

Section: 11 Township: 19N Range: 7W

Total Length: 4961

County: KINGFISHER

Measured Total Depth: 12752

Spot Location of End Point: N2 N2 NE NW

True Vertical Depth: 7448

Feet From: NORTH 1/4 Section Line: 165

End Point Location from  
Lease, Unit, or Property Line: 165

Feet From: WEST 1/4 Section Line: 1980

**NOTES:**

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.

Category	Description
HYDRAULIC FRACTURING	<p>2/28/2020 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
LOCATION EXCEPTION - 684613	<p>3/26/2020 - GB1 - (I.O.) 11-19N-7W  X645175 MSSLM, WDFD  COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL OR FWL  GASTAR EXPLORATION INC. (BOUGHT IN ITS ENTIRETY BY CHISOLM OIL AND GAS OPERATING LLC)  10/9/2018</p>
LOCATION EXCEPTION - 703452	<p>3/26/2020 - GB1 - EXT OF TIME FOR ORDER # 684613 UNTIL 10/9/2020</p>
SPACING - 645175	<p>6/13/2017 - G60 - (640)(HOR) 11-19N-7W  EST MSSLM, OTHERS  EXT 600385 WDFD, OTHER  COMPL. INT. (MSSLM) NCT 660' FB  COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL  (COEXIST WITH SP. ORDER 53739 MSSSD)</p>

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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.

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