

API NUMBER: 019 26417

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

Approval Date: 10/26/2020

Expiration Date: 04/26/2022

Directional Hole Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 2S Range: 2W County: CARTER

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ NW  
FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 269 118

Lease Name: SW WILDCAT JIM DEESE UNIT Well No: 9-2 Well will be 118 feet from nearest unit or lease boundary.

Operator Name: MACK ENERGY CO Telephone: 5802525580; 5802525580 OTC/OCC Number: 11739 0

MACK ENERGY CO  
PO BOX 400  
DUNCAN, OK 73534-0400

MACK ENERGY CO  
1202 N 10TH ST  
DUNCAN OK 73534-0400

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

Name	Code	Depth
1 DEESE	404DEESS	3008

Spacing Orders: 701901

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

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

Special Orders: No Special Orders

Total Depth: 4600 Ground Elevation: 1035

Surface Casing: 1290

Depth to base of Treatable Water-Bearing FM: 1240

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.  
D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 20-37317

### PIT 1 INFORMATION

Type of Pit System: ON SITE  
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: 2

Liner not required for Category: 2

Pit Location is: BED AQUIFER

Pit Location Formation: GARBER

### DIRECTIONAL HOLE 1

Section: 12 Township: 2S Range: 3W Meridian: 1M

County: CARTER

Measured Total Depth: 4621

Spot Location of End Point: SE NE NE NE

True Vertical Depth: 4600

Feet From: NORTH 1/4 Section Line: 399

End Point Location from

Feet From: EAST 1/4 Section Line: 204

Lease, Unit, or Property Line: 1428

### 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>[10/22/2020 - 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 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING - 701901	<p>[10/26/2020 - GC2] - (UNIT) NW4 NW4 7-2S-2W EST SW WILDCAT JIM DEESE OPERATING UNIT FOR THE DEESS</p>

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019 26417 SW WILDCAT JIM DEESE UNIT 9-2