

API NUMBER: 019 26437 B

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

Approval Date: 04/14/2021
Expiration Date: 10/14/2022

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION - UPDATE DRILLING TYPE

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 13 Township: 1S Range: 3W County: CARTER

SPOT LOCATION: SE SE SW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2382 1025

Lease Name: JEWELL 13-12-1S-3W Well No: SXH1 Well will be 1025 feet from nearest unit or lease boundary.
Operator Name: BLACK MESA ENERGY LLC Telephone: 9189334454 OTC/OCC Number: 24018 0

BLACK MESA ENERGY LLC
401 S BOSTON AVE STE 450
TULSA, OK 74103-4045

JEWELL VARNER TRUST C/O ROSE PAYNE TRUSTEE
7412 APPLING OAKS DRIVE
CORDOVA TN 38016

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

Name	Code	Depth
1 SYCAMORE	352SCMR	7440

Spacing Orders: 694306

Location Exception Orders: 719350

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 14072

Ground Elevation: 1003

Surface Casing: 1103

Depth to base of Treatable Water-Bearing FM: 1000

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: 21-37555
H. (Other) 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: GARBER

HORIZONTAL HOLE 1

Section: 12 Township: 1S Range: 3W Meridian: IM
County: CARTER

Total Length: 7522

Measured Total Depth: 14072

Spot Location of End Point: NE NE SW NW

True Vertical Depth: 7522

Feet From: NORTH 1/4 Section Line: 1343

End Point Location from
Lease, Unit, or Property Line: 1218

Feet From: WEST 1/4 Section Line: 1218

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>[4/7/2021 - 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: OCCEWEB.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>
LOCATION EXCEPTION - 719350 (202100878)	<p>[7/12/2021 - GC2] - (E.O.) W2, SE4, AND S2 NE4 12 & N2 13-1S-3W X694306 SCMR, OTHERS X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO NEWBERRY 12-1 COMPL. INT. (N2 13-1S-3W) NCT 250' FSL, NCT 1200' FWL COMPL. INT. (12-1S-3W) NCT 165' FNL, NCT 1200' FWL BLACK MESA ENERGY, LLC 7-8-2021</p>
SPACING - 694306	<p>[4/8/2021 - GC2] - (880)(IRR UNIT)(HOR) W2, SE4, AND S2 NE4 12 AND N2 13-1S-3W EST SCMR, OTHERS COMPL. INT. (SCMR, OTHER) NCT 660' FB (COEXIST SP. ORDER 102072 SCMR, OTHER 12-1S-3W; 104887 SCMR, OTHER NW4 13-1S-3W)</p>