

API NUMBER: 137 27638

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

Approval Date: 11/19/2021  
Expiration Date: 05/19/2023

Multi Unit Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 36 Township: 1S Range: 4W County: STEPHENS

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 214 1739

Lease Name: RANGERS 36-25-1S-4W Well No: SXH 1 Well will be 214 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

LAWAYNE E JONES DBA LE JONES PRODUCTION CO  
PO BOX 1185  
DUNCAN OK 73534

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

Name	Code	Depth
1 SYCAMORE	352SCMR	9750

Spacing Orders: 704359 Location Exception Orders: 721776 Increased Density Orders: No Density  
721679  
721775

Pending CD Numbers: No Pending

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

Special Orders: No Special

Total Depth: 17550 Ground Elevation: 1104 Surface Casing: 2510 Depth to base of Treatable Water-Bearing FM: 470

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: 21-37832  
H. (Other) 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: BED AQUIFER

Pit Location Formation: GARBER

**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: Garber

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: 25	Township: 1S	Range: 4W	Meridian: IM	Total Length: 17463
County: STEPHENS				Measured Total Depth: 17550
Spot Location of End Point: NE	NE	NW	SW	True Vertical Depth: 9750
Feet From: <b>SOUTH</b>	1/4 Section Line: 2592			End Point Location from
Feet From: <b>WEST</b>	1/4 Section Line: 1000			Lease, Unit, or Property Line: 50

## NOTES:

Category	Description
DEEP SURFACE CASING	[11/12/2021 - GB1] - APPROVED; (1) NOTIFYING OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING (2) DV TOOL TO BE SET AT 100' BELOW BTW
HYDRAULIC FRACTURING	[10/29/2021 - 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</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>
LOCATION EXCEPTION - 721776 (202101402)	[11/19/2021 - GB1] - (E.O.) S2 25 & 36-1S-4W X202101400 SCMR, OTHER S2 25-1S-4W X704359 SCMR, OTHER 36-1S-4W COMPL INT (S2 25-1S-4W) NCT 165' FNL, NCT 0' FSL, NCT 660' FWL COMPL INT (36-1S-4W) NCT 0' FNL, NCT 165' FSL, NCT 660' FWL BLACK MESA ENERGY, LLC 11/19/2021
MEMO	[11/12/2021 - GB1] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 704359	[11/15/2021 - GB1] - (640) 36-1S-4W VAC 100509 SCMR VAC 400057 SCMR EST SCMR, OTHER COMPL INT NCT 660' FB (COEXIST W/ 92200 SCMR 25-1S-4W)
SPACING - 721679 (202101400)	[11/19/2021 - GB1] - (E.O.)(320)(HOR) S2 25-1S-4W EST SCMR, OTHER (COEXIST W/ 92200 SCMR) BLACK MESA ENERGY, LLC 11/16/2021
SPACING - 721775 (202101401)	[11/19/2021 - GB1] - (E.O.) S2 25 & 36-1S-4W EST MULTIUNIT HORIZONTAL WELL X202101400 SCMR, OTHER S2 25-1S-4W X704359 SCMR, OTHER 36-1S-4W 33.33% S2 25-1S-4W 66.67% 36-1S-4W BLACK MESA ENERGY, LLC 11/19/2021

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137 27638 RANGERS 36-25-1S-4W SXH 1

# WELL LOCATION

RANGERS 36-25-1S-4W-SXH1  
BLACK MESA ENERGY LLC.  
SECTION 36, TOWNSHIP 1S, RANGE 4W, I.M.  
STEPHENS COUNTY, OKLAHOMA

## LEGEND

- SECTION LINE
- TOWNSHIP/RANGE LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE



GRID  
NAD-27  
OK SOUTH  
US FEET

SCALE: 1" = 2000'

0' 1000' 2000'

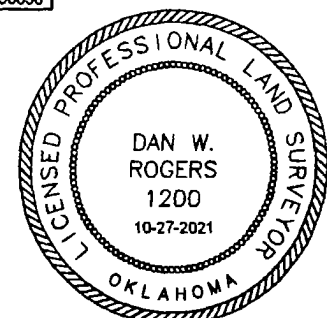
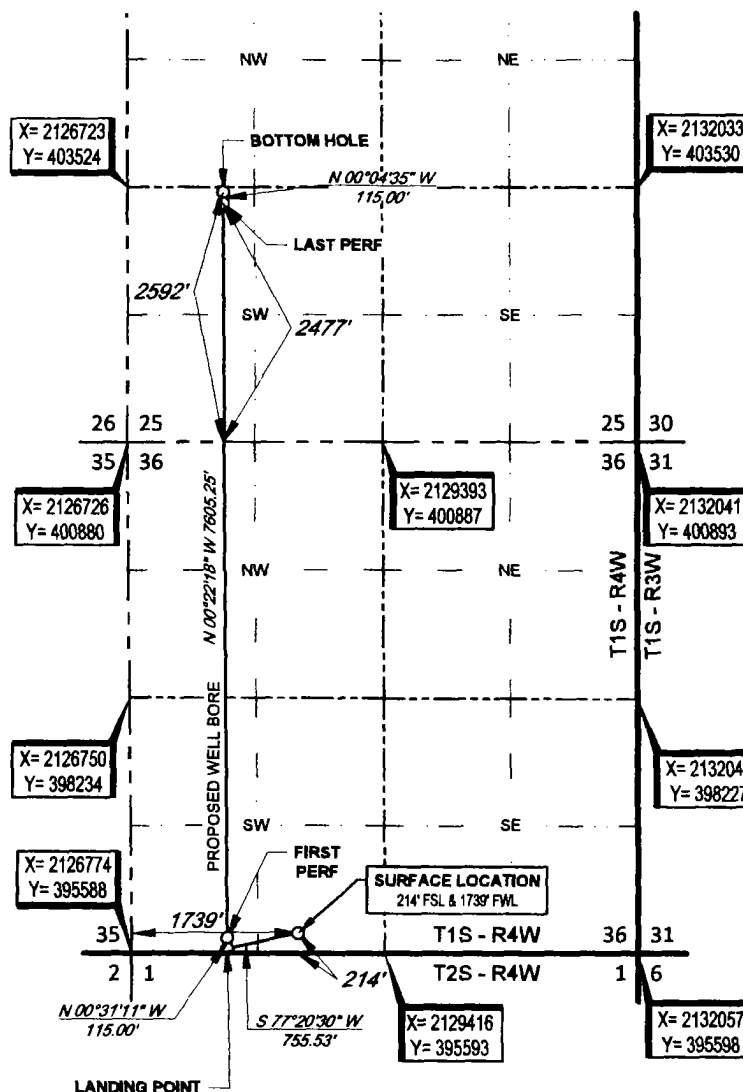
**BOTTOM HOLE**  
50' FNL & 1000' FWL - SW/4 SEC. 25  
NAD-27  
X= 2127723  
Y= 403475  
LAT.: 34°26'28.8" N  
LONG.: 97°34'35.0" W  
LAT.: 34.441319° N  
LONG.: 97.576388° W

**FIRST PERF**  
165' FSL & 1000' FWL - SW/4 SEC. 36  
NAD-27  
X= 2127773  
Y= 395755  
LAT.: 34°25'12.4" N  
LONG.: 97°34'34.8" W  
LAT.: 34.420105° N  
LONG.: 97.576332° W

**LANDING POINT**  
50' FSL & 1000' FWL - SW/4 SEC. 36  
NAD-27  
X= 2127774  
Y= 395640  
LAT.: 34°25'11.2" N  
LONG.: 97°34'34.8" W  
LAT.: 34.419789° N  
LONG.: 97.576330° W

**SURFACE LOCATION**  
214' FSL & 1739' FWL  
NAD-27  
X= 2128511  
Y= 395805  
LAT.: 34°25'12.8" N  
LONG.: 97°34'26.0" W  
LAT.: 34.420235° N  
LONG.: 97.573883° W  
ELEV.: 1104'

**LAST PERF**  
165' FNL & 1000' FWL - SW/4 SEC. 25  
NAD-27  
X= 2127723  
Y= 403360  
LAT.: 34°26'27.6" N  
LONG.: 97°34'35.0" W  
LAT.: 34.441003° N  
LONG.: 97.576389° W



## SURVEYOR'S CERTIFICATE:

I, DAN W. ROGERS, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.