

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

API NUMBER: 025 21079 C

Approval Date: 06/03/2021
Expiration Date: 12/03/2022

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 04 Township: 5N Range: 4ECM County: CIMARRON

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2482 2595

Lease Name: IRON JACKET Well No: 1-4 Well will be 1478 feet from nearest unit or lease boundary.
Operator Name: GRAND MESA OPERATING COMPANY Telephone: 3162653000 OTC/OCC Number: 24244 0

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA, KS 67206-5514

COMMISSIONERS OF LAND OFFICE OF STATE OF OKLAHOMA
204 N. ROBINSON, STE 900
OKLAHOMA CITY OK 73102

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

	Name	Code	Depth
1	PERMIAN	459PRMN	1700
2	LANSING	405LNSG	3400
3	MARMATON	404MRMN	4000
4	ATOKA	403ATOK	4400
5	MISSISSIPPIAN	359MSSP	5300

Spacing Orders: No Spacing

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: 5300

Ground Elevation: 4161

Surface Casing: 1800

Depth to base of Treatable Water-Bearing FM: 580

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: 20-37374

H. (Other)

CLOSED SYSTEM = STEEL PITS REQUIRED
(CIMARRON RIVER)

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: Dakota

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>[6/3/2021 - GB1] - 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>
SPACING	[6/3/2021 - G56] - FORMATIONS UNSPACED; 400-ACRE LEASE (SW4, N2 SE4, S2 NE4, S2 NW4)



00-05n-04ecm-2018

CRD NO.

00-05n-04ecm

DMT NO.

PRO-STAKE

Construction Site Staking

LLC

14717

INVOICE NO.



Grand Mesa Operating Company

OPERATOR

Cimarron County, OK

COUNTY

Iron Jacket #1-4 restake

LEASE NAME

2482' FSL - 2595' FWL

LOCATION SPOT

4160.9'

GR ELEVATION

36.928851394

NAD 83 LAT

102.632546692

NAD 83 LONG

04 05n 04ecm
Sec. Twp. Rng.

SCALE: 1" = 1000'

DATE STAKED: May 18th, 2021

MEASURED BY: Pierce R.

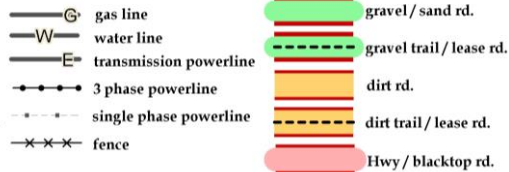
DRAWN BY: Pierce R.

AUTHORIZED BY: Steve S.

DATE REVISED:



LEGEND



DIRECTIONS: From Boise City, OK at the intersection of OK-3/Cimarron Ave. & Hwy. 64/Main St. - Now go approx. 4.4 miles North on OK-3/Cimarron Ave. - Now go 5 miles West on E0150 Rd. - Now go approx. 11 miles primarily North on N0230 Rd. - Now **begin following ingress flagging** and go approx. 0.6 miles NE on trail to electric gate - Now continue on trail and go approx. 1.3 miles E-SE then NE along trail to gate - Now continue on trail and go approx. 0.7 miles NE into staked location

Final ingress must be verified with landowner or operator.

This drawing does not constitute a monumented survey or a land survey plat.

This drawing is for construction purposes only.

LANDOWNER/CONTACT: N/A