

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

API NUMBER: 047 25053 B

Approval Date: 08/31/2017
Expiration Date: 02/28/2018

Straight Hole Oil & Gas

Amend reason: ADD FORMATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 22N Rge: 4W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 780 780

Lease Name: SIMMERING

Well No: 52

Well will be 780 feet from nearest unit or lease boundary.

Operator Name: M M ENERGY INC

Telephone: 4054633355

OTC/OCC Number: 19118 0

M M ENERGY INC
13927 QUAIL POINTE DR
OKLAHOMA CITY, OK 73134-1035

PAULINE LOWE
2912 OAK RIDGE RD.
ENID OK 73703

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

	Name	Depth	Name	Depth
1	TONKAWA	3280	6	
2	OSWEGO	4300	7	
3			8	
4			9	
5			10	

Spacing Orders: 577747

Location Exception Orders:

Increased Density Orders: 670729

Pending CD Numbers:

Special Orders:

Total Depth: 4613

Ground Elevation: 1130

Surface Casing: 252 IP

Depth to base of Treatable Water-Bearing FM: 110

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

Notes:

Category

Description

HYDRAULIC FRACTURING

2/5/2018 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

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: FRACFOCUS.ORG

This permit does not address the right of entry or settlement of surface damages.

047 25053 SIMMERING 52

The duration of this permit is SIX 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
INCREASED DENSITY - 670729	2/7/2018 - G75 - NW4 13-22N-4W X577747 OSWG 1 WELL MM ENERGY, INC. 12-4-2017
SPACING - 577747	2/7/2018 - G75 - (160) NW4 13-22N-4W VAC 166938 OSWG, OTHERS EST TNKW, OSWG, OTHERS EXT OTHERS