

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

API NUMBER: 047 24870

Approval Date: 05/23/2014
Expiration Date: 11/23/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 22N Rge: 4W

County: GARFIELD

SPOT LOCATION: SW NE SW SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 825 825

Lease Name: SCHWEER

Well No: 3-25

Well will be 825 feet from nearest unit or lease boundary.

Operator Name: M M ENERGY INC

Telephone: 4054633355

OTC/OCC Number: 19118 0

M M ENERGY INC
PO BOX 21904
OKLAHOMA CITY, OK 73156-1904

ARCO
SUITE 2
1701 SUMMIT
PLANO TX 75074

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

	Name	Depth	Name	Depth	
1	BELVEAL	1800	6	LAYTON	3940
2	CREWS	2050	7	BIG LIME	4400
3	GARBER SD /VIRGIL/	2190	8	OSWEGO	4450
4	HOOVER	2430	9	WILCOX	4500
5	TONKAWA	3280	10	MCLISH	4600

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4850

Ground Elevation: 1119

Surface Casing: 300

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

E. Haul to Commercial pit facility: Sec. 15 Twn. 24N Rng. 7W Cnty. 47 Order No: 623842

Notes:

This permit does not address the right of entry or settlement of surface damages.
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
FRAC FOCUS	5/21/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING	5/22/2014 - G72 - 25-22N-4W BLVL, CRWS, HOVR, TNKW,LYTN, BGLM, OSWG, WLCX, MCLS FORMATIONS UNSPACED; LEASE
SPACING - 50571	5/22/2014 - G72 - (UNIT) N2, SE, SE NW SW, SE SW SW, S2 SE SW, NE SE SW 25-22N-4W EXT 34543 GRBR

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