

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

API NUMBER: 047 24858

Approval Date: 05/16/2014

Expiration Date: 11/16/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

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

County: GARFIELD

SPOT LOCATION:  SW  NE  SE  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 754 2263

Lease Name: FRICKENSCHMIDT

Well No: 14

Well will be 377 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

SHIRLEY ZUMMALLEN  
P.O. BOX 186  
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 WHITNEY	1400	6 HOOVER	2410
2 HOTSON	1530	7 TONKAWA	3300
3 BELVEAL	1890	8 LAYTON	3900
4 CREWS	2060	9 BIG LIME	4400
5 GARBER SD /VIRGIL/	2160	10 OSWEGO	4450

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4650

Ground Elevation: 1138

**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: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

Notes:

This permit does not grant 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	5/16/2014 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING	5/16/2014 - G75 - FORMATIONS UNSPACED; 160-ACRE LEASE (SW4)

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.