

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

API NUMBER: 047 24670

Approval Date: 01/17/2013
Expiration Date: 07/17/2013

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 22N Rge: 4W County: GARFIELD
SPOT LOCATION: S2 NE NE NE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2211 2310

Lease Name: HOY Well No: 38 Well will be 330 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
1701 SUMMIT, SUITE 2
PLANO TX 75074

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

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

Spacing Orders: 50571

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4850

Ground Elevation: 1065

Surface Casing: 300

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 284167

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.

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Category

Description

SPACING

1/17/2013 - G30 - FORMATIONS UNSPACED, 160 ACRE LEASE (NE4)

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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.

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