

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

API NUMBER: 019 26039

Approval Date: 01/28/2014

Expiration Date: 07/28/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 1S Rge: 2W

County: CARTER

SPOT LOCATION: C W2 SE NW FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 660 990

Lease Name: G KELLY

Well No: 1-31

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: MACK ENERGY CO

Telephone: 5802525580; 5802525

OTC/OCC Number: 11739 0

MACK ENERGY CO
P.O. Box 400
DUNCAN, OK 73534-0400

MACK ENERGY CO
1202 N 10TH ST
DUNCAN OK 73534

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

	Name	Depth	Name	Depth
1	TUSSY	2250	6	
2	CARPENTER	2350	7	
3	MORRIS	2550	8	
4			9	
5			10	

Spacing Orders: 619522

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3300

Ground Elevation: 1086

Surface Casing: 1070

Depth to base of Treatable Water-Bearing FM: 1020

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.

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
FRAC FOCUS	1/27/2014 - 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 - 619522	1/28/2014 - G30 - (40) W2 31-1S-2W DEL 385553 TSSY, CRPR, MRRS, OTHERS (W2 W2 SW4) EXT 354506 TSSY, CRPR, MRRS, OTHER EXT OTHER

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