

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

API NUMBER: 117 23588

Approval Date: 03/25/2014

Expiration Date: 09/25/2014

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 22N Rge: 5E

County: PAWNEE

SPOT LOCATION:

W2

E2

SE

SW

FEET FROM QUARTER:

FROM

SOUTH

FROM

WEST

SECTION LINES:

660

2050

Lease Name: JARED

Well No: 1-18H

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: CUMMINGS OIL COMPANY

Telephone: 4059481818; 4059481

OTC/OCC Number: 5481 0

CUMMINGS OIL COMPANY  
5400 NW GRAND BLVD STE 100  
OKLAHOMA CITY, OK 73112-6113

JARED LENTZ  
42551 S. 34800 ROAD  
PAWNEE OK 74058

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

	Name	Depth	Name	Depth
1	MISSISSIPPI	3500	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 620740

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401030

Special Orders:

Total Depth: 8164

Ground Elevation: 973

**Surface Casing: 330**

Depth to base of Treatable Water-Bearing FM: 130

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

A. Evaporation/dewater and backfilling of reserve pit.

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: OSCAR

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.

# HORIZONTAL HOLE 1

Sec 18 Twp 22N Rge 5E County PAWNEE

Spot Location of End Point: W2 W2 SE SW

Feet From: SOUTH 1/4 Section Line: 660

Feet From: WEST 1/4 Section Line: 1485

Depth of Deviation: 3000

Radius of Turn: 650

Direction: 189

Total Length: 4143

Measured Total Depth: 8164

True Vertical Depth: 3650

End Point Location from Lease,

Unit, or Property Line: 660

## Notes:

### Category

### Description

PENDING CD - 201401030

3/25/2014 - G75 - (I.O.) 18-22N-5E  
X620740 MISS, OTHER  
COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 660 FWL  
NO OP. NAMED  
REC 3-10-2014 (LEAVITT)

SPACING - 620740

3/25/2014 - G75 - (640)(HOR) 18-22N-5E  
EXT 612938 MISS, OTHERS  
POE TO BHL NLT 660' FB  
(SUPERSEDE SP. ORDER # 129633 MISS)

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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.

117 23588 JARED 1-18H