

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

API NUMBER: 129 23945 A

Approval Date: 04/25/2014

Expiration Date: 10/25/2014

Horizontal Hole Oil & Gas

Amend reason: ADD FORMATION, UPDATE LOCATION
EXCEPTION ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 16N Rge: 26W

County: ROGER MILLS

SPOT LOCATION: ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 300 2530

Lease Name: JYM 20-16-26

Well No: 1H

Well will be 300 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING INC

Telephone: 4059358143; 4059358

OTC/OCC Number: 17441 0

CHESAPEAKE OPERATING INC
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

JOYCE MEEK
16835 E. 810 ROAD
DURHAM OK 73642

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

	Name	Depth	Name	Depth
1	TONKAWA	8347	6	
2	LANSING-KANSAS CITY	9306	7	
3			8	
4			9	
5			10	

Spacing Orders: 64766
621463

Location Exception Orders: 624541
621464

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14500

Ground Elevation: 2292

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 580

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: 25000 Average: 8000

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27007

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 160000

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 20 Twp 16N Rge 26W County ROGER MILLS

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 8984

Radius of Turn: 780

Direction: 359

Total Length: 4424

Measured Total Depth: 14500

True Vertical Depth: 9764

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

DEEP SURFACE CASING

4/25/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 624541

6/2/2014 - G72 - 20-16N-26W & FRAC 19-16N-26W (I.O.)
X 621463 LSKC;
COMP INT. NCT 330 FNL NCT 330 FSL NCT 1980 FWL;
CHESAPEAKE OPERATING INC;
4/28/2014;

LOCATION EXCPETION - 621464

6/2/2014 - G72 - FRAC 19 & 20-16N-26W (I.O.) X 64766 TNKW;
COMP INT. NCT 330 FNL NCT 330 FSL NCT 560 FEL;
CHESAPEAKE OPERATING INC / CHK CLEVELAND TONKAWA LLC / CHESAPEAKE OPERATING INC;
2/10/2014;

MEMO

4/25/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 621463

5/30/2014 - G72 - (640 IRR) 20 & FRAC 19-16N-26W
VAC 135140 CLVD;
EXT 595037 LSKC;

SPACING - 64766

4/25/2014 - G72 - (800)IRR 20-16N-26W & FRAC 19-16N-26W AMD 60492 TNKW ENLARGING UNIT TO ADD FRAC SECTION 19.

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129 23945 JYM 20-16-26 1H