

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

API NUMBER: 129 23969 A

Approval Date: 06/25/2014
Expiration Date: 12/25/2014

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION FOR INCREASED DENSITY
ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 12N Rge: 26W

County: ROGER MILLS

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 850

Lease Name: MELVIN 29-12-26

Well No: 1H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC

Telephone: 4059358143; 4059358

OTC/OCC Number: 17441 0

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

MULBERRY CEMETERY
10867 NORTH 1710 ROAD
SWEETWATER OK 73666

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

	Name	Depth	Name	Depth
1	HERINGTON	9235	6	
2	VIRGIL	10094	7	
3	MISSOURIAN	11429	8	
4	DES MOINES	12606	9	
5			10	

Spacing Orders: 131389

Location Exception Orders: 625473

Increased Density Orders: 625441

625474

Pending CD Numbers:

Special Orders:

Total Depth: 17800

Ground Elevation: 2300

Surface Casing: 960

Depth to base of Treatable Water-Bearing FM: 710

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: 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 BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-27531

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 BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 29 Twp 12N Rge 26W County ROGER MILLS

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 12070

Radius of Turn: 780

Direction: 182

Total Length: 4505

Measured Total Depth: 17800

True Vertical Depth: 12850

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

Notes:

Category

Description

EXCEPTION TO RULE - 625474

6/24/2014 - G75 - (I.O.) 29-12N-26W
X165:10-3-28(C)(2)(B) DSMN (MELVIN 29-12-26 1H)
NCT 50' FROM FOWLER 2-29
NO OP. NAMED
5-15-2014

INCREASED DENSITY - 625441

6/24/2014 - G75 - 29-12N-26W
X131389 DSMN
1 WELL
CHESAPEAKE OP., INC.
5-14-2014

LOCATION EXCEPTION - 625473

6/24/2014 - G75 - (I.O.) 29-12N-26W
X131389 HRNG, VRGL, MSRN, DSMN
COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 500 FWL
CHESAPEAKE OP., INC.
5-16-2014

MEMO

6/24/2014 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO
VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 131389

6/24/2014 - G75 - (640) 29-12N-26W
AMD OTHERS
EST HRNG, VRGL, MSRN, DSMN, OTHERS

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Office of the Conservation Division as to when Surface Casing will be run.

129 23969 MELVIN 29-12-26 1H