

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

API NUMBER: 129 24018

Approval Date: 10/20/2014

Expiration Date: 04/20/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 11N Rge: 26W

County: ROGER MILLS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 280 1300

Lease Name: DOBSON 7-11-26

Well No: 2H

Well will be 280 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

DOUGLAS KNUDSEN & ALLISON MCKENNA
2237 WINCHELL AVENUE
KALAMAZOO MI 49008

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

Name	Depth	Name	Depth
1 DES MOINES	12705	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 504227

Location Exception Orders: 631374

Increased Density Orders: 631690

631375

Pending CD Numbers:

Special Orders:

Total Depth: 17750

Ground Elevation: 2204

Surface Casing: 660

Depth to base of Treatable Water-Bearing FM: 410

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: 14-28607

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 07 Twp 11N Rge 26W County ROGER MILLS

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 500

Depth of Deviation: 12110

Radius of Turn: 780

Direction: 189

Total Length: 4415

Measured Total Depth: 17750

True Vertical Depth: 12890

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

Notes:

Category

Description

EXCEPTION TO RULE - 631375

10/20/2014 - G75 - (I.O.)(IRR UNIT) 7-11N-26W & FRAC SEC 12-11N-27W
X165:10-3-28(C)(2)(B) DSMN (DOBSON 7-11-26 2H
NCT 300' FROM KNUDSEN TRUST 1-7
NO OP. NAMED
10-1-2014

INCREASED DENSITY - 631690

10/17/2014 - G75 - (IRR UNIT) 7-11N-26W & FRAC SEC 12-11N-27W
X504227 DSMN
1 WELL
CHESAPEAKE OP., L.L.C.
10-9-2014

LOCATION EXCEPTION - 631374

10/17/2014 - G75 - (I.O.)(IRR UNIT) 7-11N-26W & FRAC SEC 12-11N-27W
X504227 DSMN
COMPL. INT. NCT 300 FNL, NCT 300 FSL, NCT 500 FWL
CHESAPEAKE OP., L.L.C.
10-1-2014

MEMO

10/9/2014 - G76 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO
VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 504227

10/17/2014 - G75 - (659.79)(IRR UNIT) 7-11N-26W & FRAC SEC 12-11N-27W
EXT 490876 DSMN, OTHERS

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129 24018 DOBSON 7-11-26 2H