

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

API NUMBER: 149 21710

Approval Date: 10/27/2014

Expiration Date: 04/27/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 11N Rge: 19W

County: WASHITA

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 310 1195

Lease Name: BURGERT 12-11-19

Well No: 1H

Well will be 310 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

BEN BRANSON
HC 66, BOX 31
FOSS OK 73647

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

	Name	Depth		Name	Depth
1	BROWN DOLOMITE	4400	6	DES MOINES	11500
2	PERMIAN GRANITE WASH	5200	7		
3	TONKAWA UP (DOUGLAS)	8850	8		
4	TONKAWA LOW	9700	9		
5	HOXBAR	10150	10		

Spacing Orders: 131149

Location Exception Orders: 631369

Increased Density Orders: 631368

Pending CD Numbers:

Special Orders:

Total Depth: 18150

Ground Elevation: 1735

Surface Casing: 1500

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 OTHER HSA

Pit Location Formation: DOXEY

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-28666

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 OTHER HSA

Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 12 Twp 11N Rge 19W County WASHITA

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 12625

Radius of Turn: 780

Direction: 6

Total Length: 4300

Measured Total Depth: 18150

True Vertical Depth: 11500

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

Notes:

Category

Description

DEEP SURFACE CASING

10/16/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

INCREASED DENSITY - 631368

10/27/2014 - G75 - 12-11N-19W
X131149 DSMN
1 WELL
CHESAPEAKE OP., L.L.C.
10-1-2014

LOCATION EXCEPTION - 631369

10/27/2014 - G75 - (I.O.) 12-11N-19W
X131149 BRWDO, PMGW, TKUDG, TNKWL, HXBR, DSMN
COMPL. INT. NCT 300 FSL, NCT 300 FNL, NCT 500 FEL
CHESAPEAKE OP., INC, (NOW CHESAPEAKE OP., L.L.C.)
10-1-2014

MEMO

10/16/2014 - G76 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 131149

10/27/2014 - G75 - (640) 12-11N-19W
EST BRWDO, PMGW, TKUDG, TNKWL, HXBR, DSMN, OTHERS

WATERSHED STRUCTURE

10/16/2014 - G76 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 832-3719 PRIOR TO DRILLING

This permit does not address the right of entry or settlement of surface damages.

149 21710 BURGERT 12-11-19 1H

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.