

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

API NUMBER: 149 21712

Approval Date: 12/03/2014

Expiration Date: 06/03/2015

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 1215

Lease Name: LEAL 13-11-19

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	9330	9		
5	HOXBAR	10150	10		

Spacing Orders: 131149

Location Exception Orders: 632535

Increased Density Orders: 632534

Pending CD Numbers:

Special Orders:

Total Depth: 17350

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: 14-29124

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 13 Twp 11N Rge 19W County WASHITA

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 11003

Radius of Turn: 780

Direction: 173

Total Length: 5122

Measured Total Depth: 17350

True Vertical Depth: 12625

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

Notes:

Category

Description

DEEP SURFACE CASING

11/26/2014 - 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 - 632534

12/2/2014 - G75 - 13-11N-19W  
X131149 DSMN  
2 WELLS  
CHESAPEAKE OP., L.L.C.  
11-3-2014

LOCATION EXCEPTION - 632535

12/2/2014 - G75 - (I.O.) 13-11N-19W  
X131149 BRWDO, PMGW, TKUDG, TNKWL, HXBR, DSMN  
COMPL. INT. NCT 300 FNL, NCT 300 FSL, NCT 500 FEL  
CHESAPEAKE OP., L.L.C.  
11-3-2014

MEMO

11/26/2014 - G76 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 131149

12/2/2014 - G75 - (640) 13-11N-19W  
EST BRWDO, PMGW, TKUDG, TNKWL, HXBR, DSMN, OTHERS

WATERSHED STRUCTURE

11/26/2014 - 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.

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.

149 21712 LEAL 13-11-19 1H