

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

API NUMBER: 073 25604 A

Approval Date: 04/11/2017
Expiration Date: 10/11/2017

Horizontal Hole Oil & Gas

Amend reason: ADD ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 17N Rge: 6W

County: KINGFISHER

SPOT LOCATION: SE SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 240 275

Lease Name: OK STATE 18-17-6

Well No: 3H

Well will be 240 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC

Telephone: 4059353425; 4059358

OTC/OCC Number: 17441 0

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

JOHN A. RUTH, JR.
6356 CHELSEY LANE
DALLAS TX 75214

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

	Name	Depth	Name	Depth
1	BIG LIME	6420	6	
2	OSWEGO	6490	7	
3			8	
4			9	
5			10	

Spacing Orders: 652371

Location Exception Orders: 657302

Increased Density Orders: 657300

Pending CD Numbers: 201702698

Special Orders:

Total Depth: 11750

Ground Elevation: 1013

Surface Casing: 430

Depth to base of Treatable Water-Bearing FM: 180

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32300

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 18 Twp 17N Rge 6W County KINGFISHER

Spot Location of End Point: C N2 N2 NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 6242

Radius of Turn: 573

Direction: 350

Total Length: 4608

Measured Total Depth: 11750

True Vertical Depth: 6603

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
HYDRAULIC FRACTURING	4/6/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
INCREASED DENSITY - 657300	4/10/2017 - G75 - 18-17N-6W X652371 BGLM, OSWG 2 WELLS CHESAPEAKE OP., L.L.C. 10-26-2016
LOCATION EXCEPTION - 657302	4/7/2017 - G75 - (I.O.) 18-17N-6W X652371 BGLM, OSWG COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 660' FEL CHESAPEAKE OP., L.L.C. 10-26-2016
PENDING CD - 201702698	5/26/2017 - G75 - (E.O.) 18-17N-6W X165:10-3-28(C)(2)(B) BGLM, OSWG (OK STATE 18-17-6 3H) MAY BE CLOSER THAN 600' TO RUTH 18-2 NO OP. NAMED REC 6-13-2017 (DECKER)
SPACING - 652371	4/7/2017 - G75 - (640)(HOR) 18-17N-6W EST BGLM, OSWG POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 57462/57687 BGLM & ORDER # 58569 OSWG)
SURFACE CASING	4/6/2017 - G71 - MIN. 300' PER ORDER # 23720/41036/42410

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