

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

API NUMBER: 073 26463

Approval Date: 02/26/2019
Expiration Date: 08/26/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 18N Rge: 7W County: KINGFISHER
SPOT LOCATION: NE SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 530 2455

Lease Name: LUBER 21-18-7 Well No: 2HC Well will be 530 feet from nearest unit or lease boundary.

Operator CHESAPEAKE OPERATING LLC
Name:

Telephone: 4059357539; 4059358

OTC/OCC Number: 17441 0

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

JOHN M. LUBER
14250 E 690 RD
DOVER OK 73734

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

Name	Depth	Name	Depth
1 OSWEGO	6690	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 632442
637136

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900559
201900560
201900561
201900562
201900565

Special Orders:

Total Depth: 14500

Ground Elevation: 1081

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 250

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36107

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 33 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: S2 NE SE NW

Feet From: NORTH 1/4 Section Line: 1830

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 6500

Radius of Turn: 773

Direction: 181

Total Length: 6786

Measured Total Depth: 14500

True Vertical Depth: 6690

End Point Location from Lease,
Unit, or Property Line: 1830

Notes:

Category	Description
DEEP SURFACE CASING	1/30/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	1/30/2019 - G71 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
PENDING CD - 201900559	2/25/2019 - G58 - W2 28-18N-7W X637136 OSWG 1 WELL CHESAPEAKE EXPLORATION, L.L.C. REC 2/26/2019 (NORRIS)
PENDING CD - 201900560	2/25/2019 - G58 - (E.O.) W2 28 & 33-18N-7W EST MULTIUNIT HORIZONTAL WELL X637136 OSWG X632442 OSWG 66.67% W2 28-18N-7W 33.33% 33-18N-7W NO OP. NAMED REC 2/26/2019 (NORRIS)
PENDING CD - 201900561	2/25/2019 - G58 - (E.O.) W2 28-18N-7W X637136 OSWG COMPL. INT. NCT 0' FSL, NCT 330' FNL, NCT 330' FEL OF W2 28-18N-7W NO OP. NAMED REC 2/26/2019 (NORRIS)
PENDING CD - 201900562	2/25/2019 - G58 - (I.O.) W2 28-18N-7W X165:10-3-28(C)(2)(B) MSSP, WDFD (SLASH C 1406 2H-17X) MAY BE CLOSER THAN 600' TO BRILL 1-28 WELL REC 2/19/2019 (M. NORRIS)
PENDING CD - 201900565	2/25/2019 - G58 - (E.O.) 33-18N-7W X632442 OSWG COMPL. INT. NCT 2640' FSL, NCT 0' FNL, NCT 1320' FWL NO OP. NAMED REC 2/26/2019 (NORRIS)

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.

Category	Description
SPACING - 632442	2/25/2019 - G58 - (640)(HOR) 33-18N-7W EST OSWG, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 50927 OSWG)
SPACING - 637136	2/25/2019 - G58 - (320)(HOR) W2 28-18N-7W EST OSWG, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 264867 OSWG SW4; SP. ORDER 49462/231230 OSWG NW4)

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