

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

API NUMBER: 073 26040

Approval Date: 05/02/2018
Expiration Date: 11/02/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 18N Rge: 6W County: KINGFISHER
SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 215 330

Lease Name: STATES 15-18-6 Well No: 4HC Well will be 215 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

OLIVER AND WANDA STATES
7089 N 2870 RD
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 OSWEGO	6273	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 663562	Location Exception Orders: 674119	Increased Density Orders: 670450
655776	674120	674746
674745	674118	
	676422	

Pending CD Numbers:

Special Orders:

Total Depth: 17500 Ground Elevation: 1176 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 170

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34319
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 22 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 250

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 6012

Radius of Turn: 880

Direction: 181

Total Length: 10105

Measured Total Depth: 17500

True Vertical Depth: 6373

End Point Location from Lease,
Unit, or Property Line: 250

Notes:

Category

Description

DEEP SURFACE CASING

4/20/2018 - 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

EXCEPTION TO RULE - 676422

5/2/2018 - G60 - 22-18N-6W
X165:10-3-28(C)(2)(B) OSWG
MAY BE CLOSER THAN 600' TO F. WEBER 1, F. WEBER 4, WEBER 1 WELLS
CHESAPEAKE OPERATING, LLC.
4/18/18

EXCEPTION TO RULE- 674118

5/1/2018 - G60 - 15-18N-6W
X165:10-3-28(C)(2)(B) OSWG
MAY BE CLOSER THAN 600' TO JOHN STATES 1 WELL
CHESAPEAKE OPERATING, LLC.
2/27/18

**CORRECT WELL NAME OF PROPOSED WELL AT FINAL HEARING

HYDRAULIC FRACTURING

4/20/2018 - 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

INCREASED DENSITY - 670450

5/1/2018 - G60 - 22-18N-6W
X663562 OSWG
1 WELL
CHESAPEAKE OPERATING, LLC.
11/27/18

INCREASED DENSITY - 674746

4/30/2018 - G60 - 15-18N-6W
X663562 OSWG
1 WELL
CHESAPEAKE OPERATING, LLC.
3/15/18

LOCATION EXCEPTION - 674119

5/1/2018 - G60 - 22-18N-6W
X663562 OSWG
COMPL. INT. NCT 0' FNL, NCT 330' FSL, NCT 330' FEL
CHESAPEAKE OPERATING, LLC.
2/27/18

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
LOCATION EXCEPTION - 674120	4/30/2018 - G60 - (I.O.) 15-18N-6W X663562 OSWG COMPL. INT. NCT 330' FNL, NCT 0' FSL, NCT 330' FEL CHESAPEAKE OPERATING, LLC. 2/27/18
SPACING - 655776	4/30/2018 - G60 - (640)(HOR) 22-18N-6W EXT 630826 OSWG POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER 51905 OSWG)
SPACING - 663562	4/30/2018 - G60 - (640)(HOR) 15-18N-6W EXT 630826 OSWG POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER 51905 OSWG)
SPACING - 674745	4/30/2018 - G60 - (640) 25 & 22-18N-6W EST MULTIUNIT HORIZONTAL WELL X663562 OSWG (15-18N-6W) X655776 OSWG (22-18N-6W) 50% 15-18N-6W 50% 22-18N-6W CHESAPEAKE OPERATING, LLC. 3/15/18

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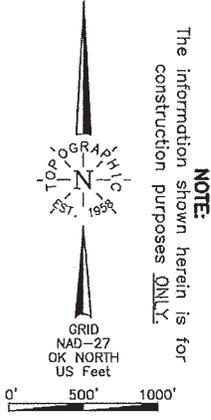
3507326040

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219

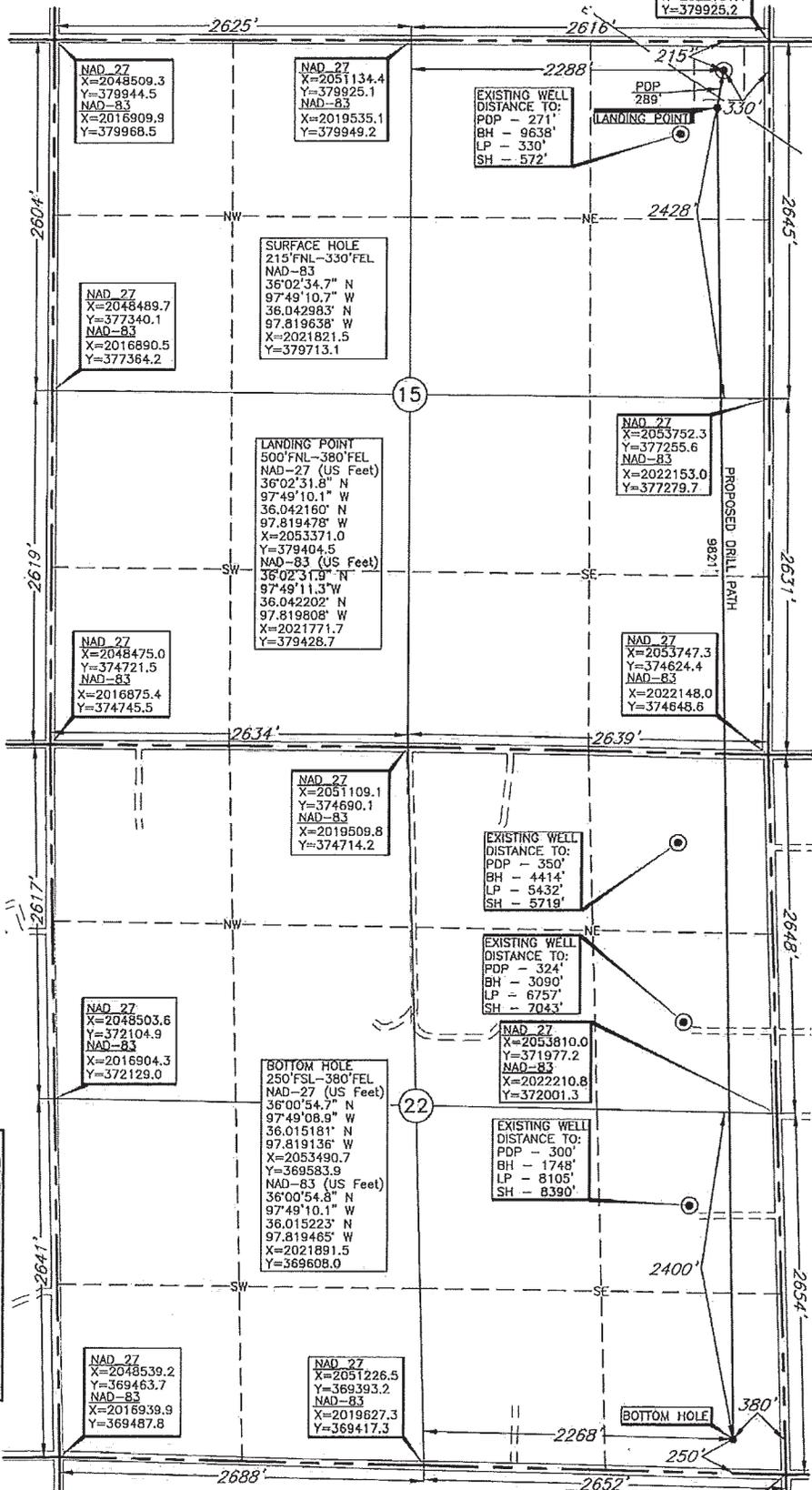
KINGFISHER County, Oklahoma

215'FNL - 330'FEL Section 15 Township 18N Range 6W I.M.

NAD-27
X=2053750.7
Y=379901.1
NAD-83
X=2022151.4
Y=379925.2



NOTE:
The information shown herein is for construction purposes ONLY.



Operator: **CHESAPEAKE OPERATING, L.L.C.**
 Lease Name: **STATES 15-18-6**
 Topography & Vegetation Loc. fell in rolling wheat field
 Good Drill Sites? Yes
 Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From North off county road
 Distance & Direction From St. Hwy. 81 at Dover, OK, go ±4.0 mi. North, then ±4.5 mi. East to the NE Cor. of Sec. 15-18N-R6W
 Well No.: **4HC**
ELEVATION:
 1176 Gr. at Stake NAVD88
 1176 Gr. at Stake NGVD29

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Revision A Date of Drawing: Mar. 14, 2018
Invoice # 288322 Date Staked: Feb. 12, 2018 AC

DATUM: NAD-27
 LAT: 36°02'34.6"N
 LONG: 97°49'09.5"W
 LAT: 36.042941° N
 LONG: 97.819308° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2053420.8
 Y: 379689.0

CERTIFICATE:

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch
Oklahoma Lic. No. 1378

