

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

API NUMBER: 073 25569

Approval Date: 03/22/2017

Expiration Date: 09/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION:  NW  SW  SE  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 360 1360

Lease Name: CURTIS 29-18-6

Well No: 3H

Well will be 360 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

KEVIN MOTT  
2417 ASHLEY DR  
OKLAHOMA CITY OK 73120

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

	Name	Depth	Name	Depth
1	BIG LIME	6347	6	
2	OSWEGO	6361	7	
3			8	
4			9	
5			10	

Spacing Orders: 647840

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700395  
201700397

Special Orders:

Total Depth: 11750

Ground Elevation: 1107

**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: 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: 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: 17-32265

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 29 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: C S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6171

Radius of Turn: 371

Direction: 167

Total Length: 4995

Measured Total Depth: 11750

True Vertical Depth: 6532

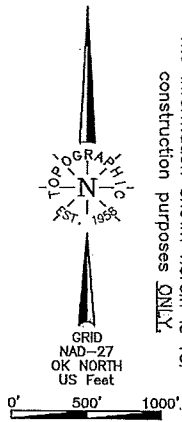
End Point Location from Lease,  
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	3/14/2017 - 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	3/14/2017 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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
PENDING CD - 201700395	3/16/2017 - G60 - 29-18N-6W X647840 OSWG 2 WELLS NO OP. NAMED REC. 3/21/17 (P. PORTER)
PENDING CD - 201700397	3/16/2017 - G60 - (I.O.) 29-18N-6W X647840 BGLM, OSWG COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 660 FEL OR FWL NO OP. NAMED REC. 3/21/17 (P. PORTER)
SPACING - 647840	3/16/2017 - G60 - (640)(HOR) 29-18N-6W EXT 630826 BGLM, OSWG COMPL. INT. NCT 660'FB (COEXIST WITH SP. ORDER 53420 OSWG AND SP. ORDER 58471 BGLM)

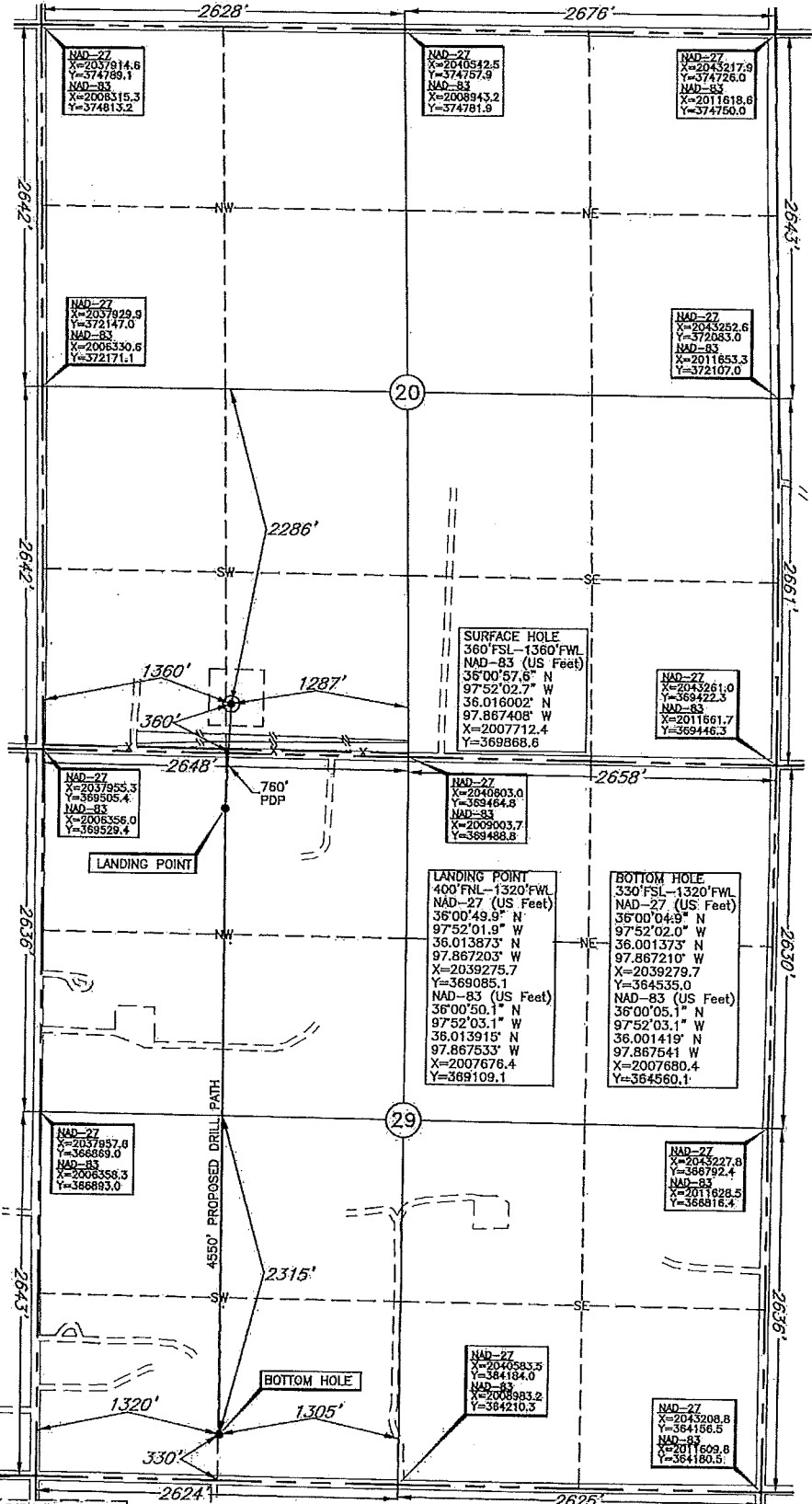
3507325569

KINGFISHER County, Oklahoma  
 360'FSL - 1360'FWL Section 20 Township 18N Range 6W I.M.



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

Operator: CHESAPEAKE OPERATING, LLC.  
 Lease Name: CURTIS 29-18-6  
 Topography & Vegetation: Loc. fell in grass pasture, ± 221' North of pipeline disturbed area  
 Good Drill Site?  Yes  No  
 Reference Stakes or Alternate Location: Stakes Set  None  
 Best Accessibility to Location: From South off county road  
 Distance & Direction: From Dover, OK, go ± 2.5 mi. North on US Hwy. 81, then ± 2.0 mi. East to the SW Cor. of Sec. 20-118N-6W



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

DATUM: NAD-27  
 LAT: 36°00'57.5"N  
 LONG: 97°52'01.5"W  
 LAT: 36.015960° N  
 LONG: 97.867077° W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 2039311.7  
 Y: 369844.6

Date of Drawing: Feb. 21, 2017  
 Invoice # 269520A Date Staked: Feb. 16, 2017 AC

**CERTIFICATE:**  
 I, Lee K. Goss, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein  
 Oklahoma Lic. No. 1778

