

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

API NUMBER: 073 26380

Approval Date: 12/07/2018  
Expiration Date: 06/07/2020

Horizontal Hole Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 16N Rge: 6W County: KINGFISHER  
SPOT LOCATION:  NE  NE  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 245 2370

Lease Name: SMITH 9-16-6 Well No: 1HC Well will be 245 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC Telephone: 4059357539; 4059358 OTC/OCC Number: 17441 0

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

DENNIS R. SMITH  
20063 N. 2890 ROAD  
KINGFISHER OK 73750

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

| Name     | Depth | Name | Depth |
|----------|-------|------|-------|
| 1 OSWEGO | 6655  | 6    |       |
| 2        |       | 7    |       |
| 3        |       | 8    |       |
| 4        |       | 9    |       |
| 5        |       | 10   |       |

Spacing Orders: 683414

Location Exception Orders: 686895

Increased Density Orders:

Pending CD Numbers: 201808468  
201808469  
201809508  
201808270

Special Orders:

Total Depth: 18200 Ground Elevation: 1075 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 150

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35813  
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 16 Twp 16N Rge 6W County KINGFISHER

Spot Location of End Point: C SW SE SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 990

Depth of Deviation: 6334

Radius of Turn: 1350

Direction: 161

Total Length: 9745

Measured Total Depth: 18200

True Vertical Depth: 6683

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

Notes:

| Category                    | Description  |
|-----------------------------|--|
| DEEP SURFACE CASING         | 11/17/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING   |
| HYDRAULIC FRACTURING        | 11/17/2018 - G71 - OCC 165:10-3-10 REQUIRES:<br><br>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;<br><br>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; AND,<br><br>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a> |
| LOCATION EXCEPTION - 686895 | 12/6/2018 - G75 - (I.O.) 16-16N-6W<br>X683414 OSWG, OTHER<br>COMPL. INT. NCT 0' FNL, NCT 330' FSL, NCT 660' FEL<br>CHESAPEAKE OP., L.L.C.<br>11-19-2018  |
| PENDING CD - 201808270      | 12/6/2018 - G75 - (E.O.)(640)(HOR) 9-16N-6W<br>EXT 654841 OSWG, OTHER<br>POE TO BHL NCT 660' FB<br>(COEXIST SP. ORDER # 62116 OSWG E2, ORDER # 522340 OSWG SW4 & ORDER # 531755 OSWG NW4)<br>CHESAPEAKE OP., L.L.C.<br>REC 12-3-2018 (NORRIS)  |
| PENDING CD - 201808468      | 12/6/2018 - G75 - (E.O.) 9 & 16-16N-6W<br>EST MULTIUNIT HORIZONTAL WELL<br>X201808270 OSWG 9-16N-6W<br>X683414 OSWG 16-16N-6W<br>50% 9-16N-6W<br>50% 16-16N-6W<br>CHESAPEAKE OP., L.L.C.<br>REC 12-3-2018 (NORRIS)   |
| PENDING CD - 201808469      | 12/6/2018 - G75 - (E.O.) 9-16N-6W<br>X201808270 OSWG, OTHER<br>COMPL. INT. NCT 330' FNL, NCT 0' FSL, NCT 660' FEL<br>CHESAPEAKE OP., L.L.C.<br>REC 12-3-2018 (NORRIS)  |
| PENDING CD - 201809508      | 12/6/2018 - G75 - (I.O.) 9-16N-6W<br>X165:10-3-28(C)(2)(B) OSWG (SMITH 9-16-6 1HC)<br>MAY BE CLOSER THAN 600' TO H. A. SMITH 2 (API 073-21795) & NICOLE 1 (API 073-24436)<br>NO OP. NAMED<br>REC 12-3-2018 (THOMAS)  |

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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.

073 26380 SMITH 9-16-6 1HC

Category

Description

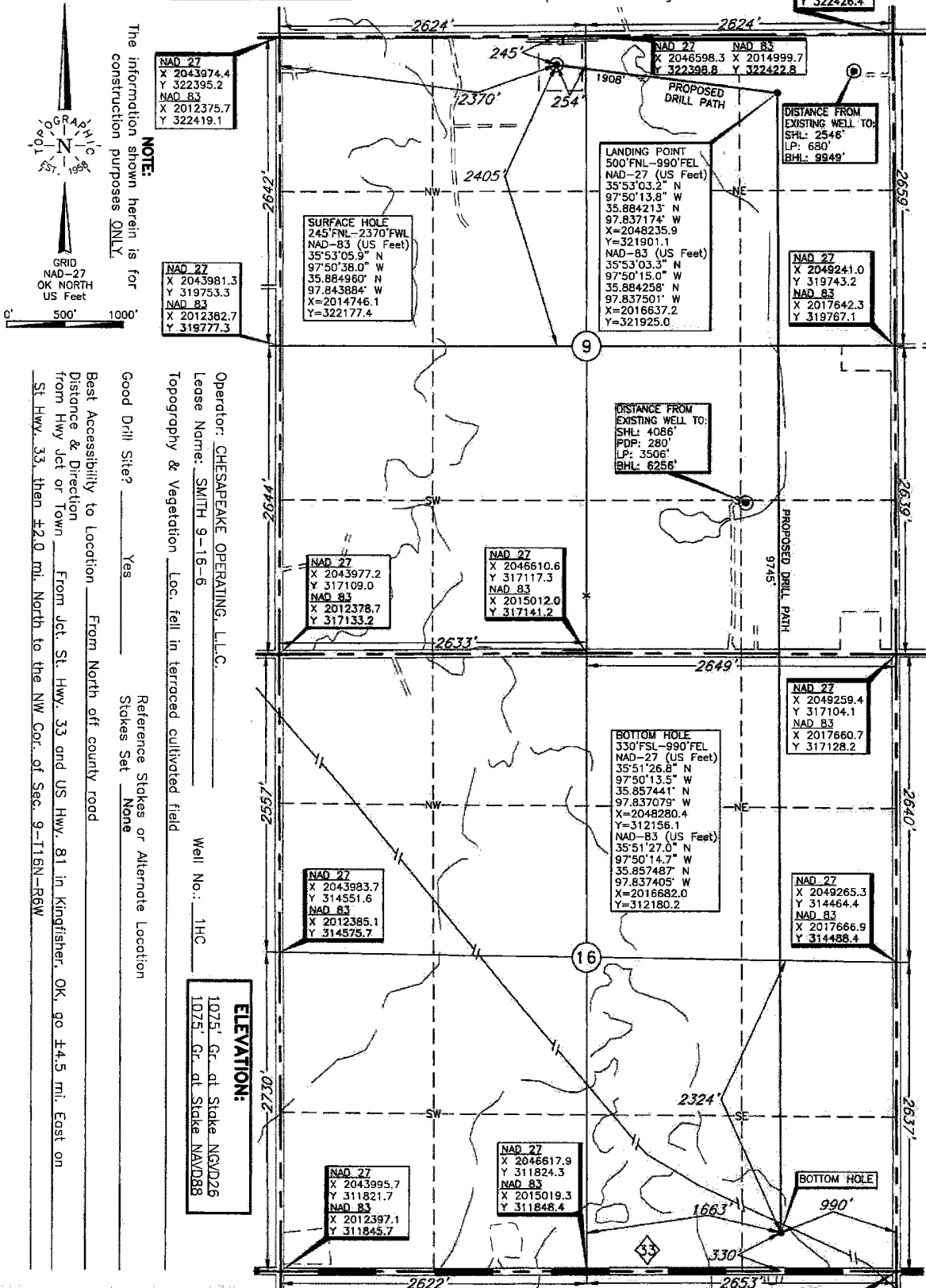
SPACING - 683414

12/6/2018 - G75 - (640)(HOR) 16-16N-6W  
EXT 654841 OSWG, OTHER  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 62116 OSWG NE4, ORDER # 172140 OSWG SE4, ORDER # 183258  
OSWG SW4 & ORDER # 522340 OSWG NW4)

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.

KINGFISHER County, Oklahoma  
 245' FNL - 2370' FWL Section 9 Township 16N Range 6W I.M.

NAD 27  
 X 2049222.4  
 Y 322402.4  
 NAD 83  
 X 2017623.7  
 Y 322426.4



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



NAD 27  
 X 2043981.3  
 Y 319753.3  
 NAD 83  
 X 2012362.7  
 Y 319777.3

SURFACE HOLE  
 245' FNL-2370' FWL  
 NAD-83 (US Feet)  
 35°53'05.9" N  
 97°50'38.0" W  
 35.884960' N  
 97.843884' W  
 X=2014746.1  
 Y=322177.4

LANDING POINT  
 500' FNL-990' FEL  
 NAD-27 (US Feet)  
 35°53'03.2" N  
 97°50'13.8" W  
 35.884213' N  
 97.837174' W  
 X=2048235.9  
 Y=321901.1  
 NAD-83 (US Feet)  
 35°53'03.3" N  
 97°50'15.0" W  
 35.884258' N  
 97.837501' W  
 X=2016637.2  
 Y=321925.0

DISTANCE FROM EXISTING WELL TO:  
 SHL: 2546'  
 LP: 680'  
 BHL: 9949'

NAD 27  
 X 2049241.0  
 Y 319743.2  
 NAD 83  
 X 2017642.3  
 Y 319767.1

DISTANCE FROM EXISTING WELL TO:  
 SHL: 4086'  
 POP: 280'  
 LP: 3506'  
 BHL: 6256'

NAD 27  
 X 2043977.2  
 Y 317109.0  
 NAD 83  
 X 2012378.7  
 Y 317133.2

NAD 27  
 X 2046610.6  
 Y 317117.3  
 NAD 83  
 X 2015012.0  
 Y 317141.2

NAD 27  
 X 2049259.4  
 Y 317104.1  
 NAD 83  
 X 2017660.7  
 Y 317128.2

BOTTOM HOLE  
 330' FSL-990' FEL  
 NAD-27 (US Feet)  
 35°51'26.8" N  
 97°50'13.5" W  
 35.857441' N  
 97.837079' W  
 X=2048280.4  
 Y=312156.1  
 NAD-83 (US Feet)  
 35°51'27.0" N  
 97°50'14.7" W  
 35.857487' N  
 97.837405' W  
 X=2016682.0  
 Y=312180.2

NAD 27  
 X 2043983.7  
 Y 314551.6  
 NAD 83  
 X 2012385.1  
 Y 314575.7

NAD 27  
 X 2049265.3  
 Y 314464.4  
 NAD 83  
 X 2017666.9  
 Y 314488.4

NAD 27  
 X 2043995.7  
 Y 311821.7  
 NAD 83  
 X 2012397.1  
 Y 311845.7

NAD 27  
 X 2046617.9  
 Y 311824.3  
 NAD 83  
 X 2015019.3  
 Y 311848.4

BOTTOM HOLE

Operator: CHESAPEAKE OPERATING, L.L.C.  
 Lease Name: SMITH 9-16-6  
 Topography & Vegetation Loc. fall in terraced cultivated field  
 Well No.: 1HC  
 ELEVATION:  
 1075' Gr. at Stake NGVD26  
 1075' Gr. at Stake NAVD88

Good Drill Site?  Yes  No  
 Reference Stakes or Alternate Location  
 Stakes Set  None  Name

Best Accessibility to Location  From North of county road  
 Distance & Direction from Hwy Jet or Town  From Jct. St. Hwy. 33 and US Hwy. 81 in Kingfisher, OK, go ±4.5 mi. East on St. Hwy. 33, then ±2.0 mi. North to the NW Cor. of Sec. 9-T16N-R6W

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

Date of Drawing: Oct. 10, 2018  
 Date Staked: Oct. 04, 2018

Invoice # 300794

DATUM: NAD-27  
 LAT: 35°53'05.7"N  
 LONG: 97°50'36.8"W  
 LAT: 35.884914° N  
 LONG: 97.843556° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 2046344.9  
 Y: 322153.4

**CERTIFICATE:**

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein  
Thomas L. Howell  
 Oklahoma Lic. No. 1433

