

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

API NUMBER: 093 25198

Approval Date: 01/29/2019
Expiration Date: 07/29/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 20N Rge: 12W County: MAJOR
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 300 200

Lease Name: DUPUS 10-20-12 Well No: 3H Well will be 200 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

LADONNA KAY DUPUS
5559 HWY. 60
CHESTER OK 73838

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	8010	6	
2	WOODFORD	8466	7	
3	HUNTON	8510	8	
4			9	
5			10	

Spacing Orders: 644019
666338

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810220

Special Orders:

Total Depth: 13500

Ground Elevation: 1314

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 540

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-36025
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 10 Twp 20N Rge 12W County MAJOR

Spot Location of End Point: S2 S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 7929

Radius of Turn: 382

Direction: 190

Total Length: 4971

Measured Total Depth: 13500

True Vertical Depth: 8510

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category	Description
DEEP SURFACE CASING	12/30/2018 - 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
HYDRAULIC FRACTURING	12/30/2018 - 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
INTERMEDIATE CASING	12/30/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
LOCATION EXCEPTION - 690237	1/29/2019 - GA8 - (I.O.) 10-20N-12W X644019 WDFD, HNTN X666338 MSNLC COMPL. INT. NCT 165' FNL, NCT 165' FNL, NCT 660' FEL CHESAPEAKE OP., LLC 1/23/2019
SPACING - 644019	1/29/2019 - GA8 - (HOR)(640)10-20N-12W EST WDFD, HNTN POE TO BHL (HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (COEXIST SP. ORDER #145468/194371 HNTN SE4 & ORDER #175562 HNTN W2, NE4)
SPACING - 666338	1/29/2019 - GA8 - (HOR)(640) 10-20N-12W EST MSNLC POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 239964 MSSSD E2 & ORDER # 256448 MSSSD W2)

This permit does not address the right of entry or settlement of surface damages.

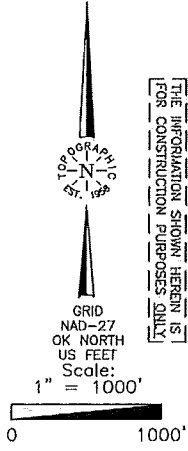
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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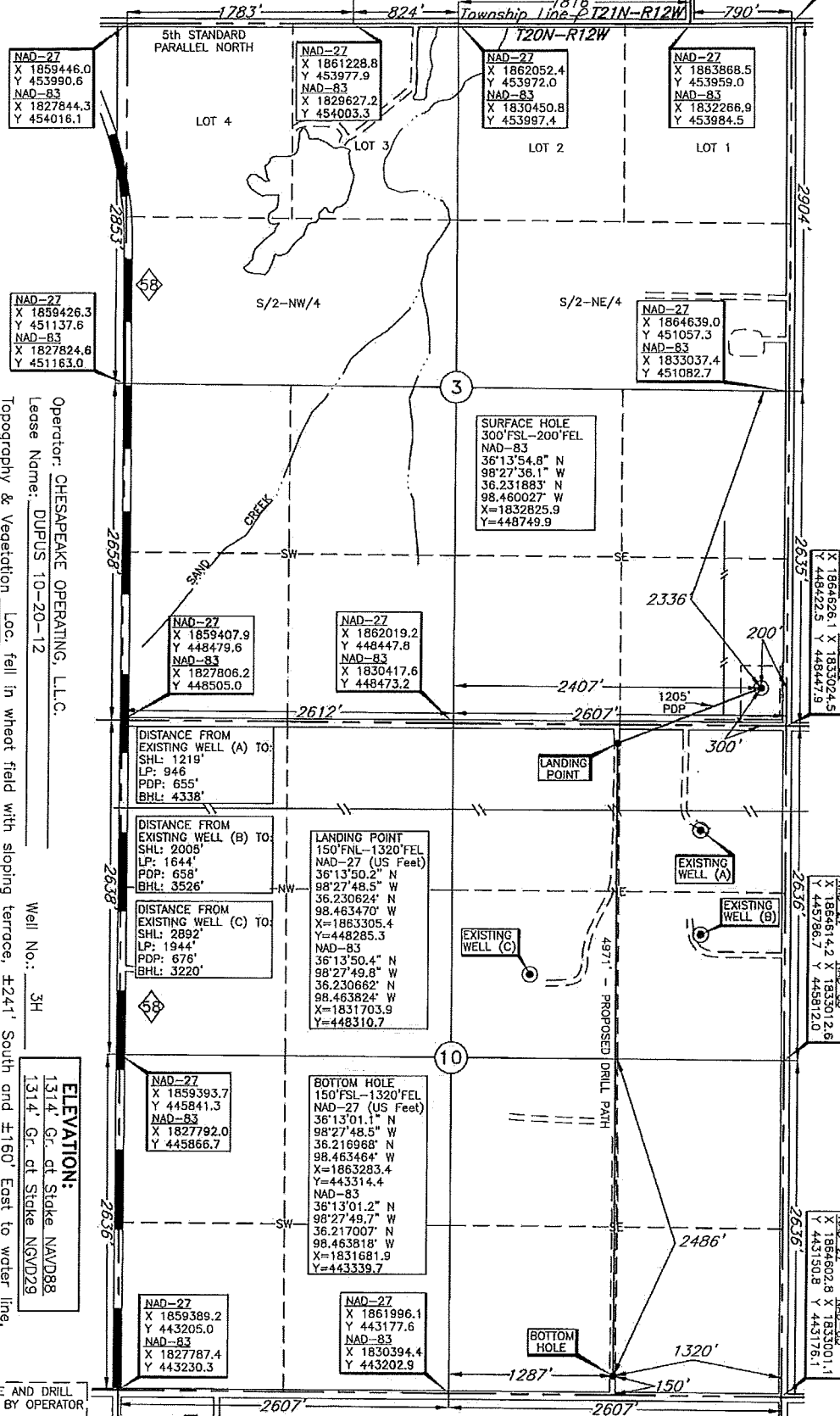
093 25198 DUPUS 10-20-12 3H

NAD-27
 X 1864658.9
 Y 453961.7
 NAD-83
 X 1833057.3
 Y 453987.1

MAJOR Section 3 Township 20N Range 12W I.M.
 300'FSL - 200'FEL



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY



Operator: **CHESAPEAKE OPERATING, L.L.C.**
 Lease Name: **DUPUS 10-20-12**
 Topography & Vegetation: **Loc. fell in wheat field with sloping terrace, ±293' East of N-S pipeline ±293' South and ±160' East to water line.**
 Good Drill Site? **Yes**
 Reference Stakes or Alternate Location: **Stakes Set None**
 Best Accessibility to Location: **From East of county road**
 Distance & Direction from Hwy Lot or Town: **From Fairview, OK, go ±2.5 mi. South on St. Hwy. 58, then ±1.0 mi. East to the SE Cor. of Sec. 3-T20N-R12W**
 Well No.: **3H**
ELEVATION:
 1314 Gr. of Stake NAVD88
 1314 Gr. of Stake NAVD99

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

Revision A Date of Drawing: **Jan 09, 2019**
 Invoice # **307875** Date Staked: **Dec. 04, 2018** AC

DATUM: **NAD-27**
 LAT: **36°13'54.6"N**
 LONG: **98°27'34.8"W**
 LAT: **36.231845° N**
 LONG: **98.459673° W**
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: **OK NORTH**
 X: **1864427.5**
 Y: **448724.5**

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**

