

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

API NUMBER: 073 25839

Approval Date: 12/04/2017

Expiration Date: 06/04/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 17N Rge: 7W

County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 210 1830

Lease Name: PERDUE 23-17-2

Well No: 1H

Well will be 210 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

CHEILA EVEY
PO BOX 331
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	BIG LIME	6600	6	
2	OSWEGO	6660	7	
3			8	
4			9	
5			10	

Spacing Orders: 667564

Location Exception Orders: 670431

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12500

Ground Elevation: 1082

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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 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: BISON

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

PERMIT NO: 17-33475

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 23 Twp 17N Rge 7W County KINGFISHER

Spot Location of End Point: C N2 N2 NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 6479

Radius of Turn: 653

Direction: 3

Total Length: 4995

Measured Total Depth: 12500

True Vertical Depth: 6840

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

Additional Surface Owner	Address	City, State, Zip
SUSAN JEAN MCCALED	1223 WEST 12TH STREET	SULPHUR, OK 73086
NADINE E. PERDUE	121 WEST DOUGLAS AVE.	KINGFISHER, OK 73750
CHARLENE HALVERSON	10432 LEICESTER DRIVE	YUKON, OK 73099

Notes:

Category

Description

DEEP SURFACE CASING

12/1/2017 - G60 - 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

11/16/2017 - 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: OCCWEB.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

LOCATION EXCEPTION - 670431

12/1/2017 - G60 - (I.O.) 23-17N-7W
X667564 BGLM, OSWG
COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 660' FEL
CHESAPEAKE OPERATING, LLC
11/27/17

SPACING - 667564

12/1/2017 - G60 - (640)(HOR) 23-17N-7W
EXT 644145 BGLM, OSWG, OTHERS
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 40411/42259 OSWG)

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

073 25839 PERDUE 23-17-7 1H

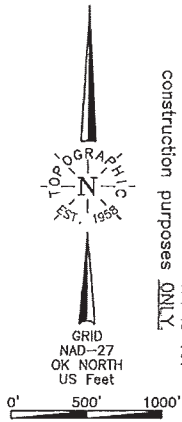
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3507325839

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
 6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS
 KINGFISHER

210° FNL-1830° FEL Section 26 Township 17N Range 7W I.M.



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

Best Accessibility to Location From North of county road.
 Distance & Direction From Hwy Jct or Town From Kingfisher, OK, go North on US Hwy. 81 ±3.7 miles, then East ±1.5 miles, then North ±1 mile to the NE Cor. of Sec. 26-T17N-R7W.

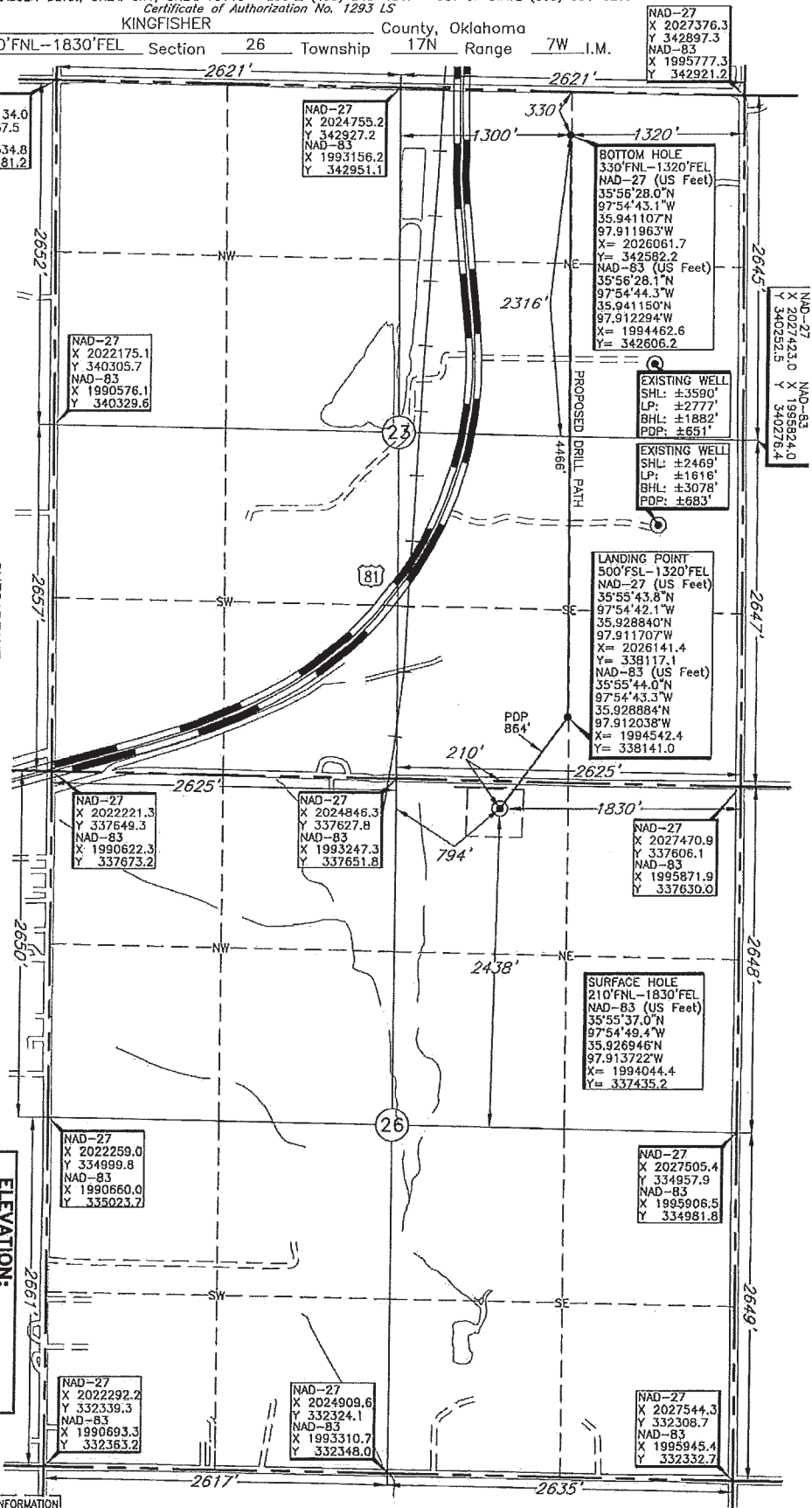
Good Drill Site? ☒ Yes

Reference Stakes or Alternate Location Stakes Set ☒ None

Operator: CHESAPEAKE OPERATING, L.L.C.
 Lease Name: PERDUE 23-17-7
 Topography & Vegetation Loc. fell in terraced wheat field, ±161' South of E-W pipeline, ±239' North of E-W SWD

Well No.: 1H

ELEVATION:
1082' Gr. at Stake NGVD29
1082' Gr. at Stake NAVD88



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

DATUM: NAD-27
 LAT: 35°55'36.8"N
 LONG: 97°54'48.2"W
 LAT: 35.926902°N
 LONG: 97.913392°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2025643.4
 Y: 337411.3

Date of Drawing: Nov. 1, 2017
 Invoice # 283385 Date Staked: Oct. 31, 2017

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

