

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

API NUMBER: 073 25895

Approval Date: 01/16/2018

Expiration Date: 07/16/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 18N Rge: 7W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 225 2400

Lease Name: BILLY BOB 24-18-7

Well No: 1H

Well will be 225 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

SANDY DALE FARMS LTD
10929 NORTH 2870 ROAD
DOVER OK 73734

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

	Name	Depth	Name	Depth
1	BIG LIME	6400	6	
2	OSWEGO	6535	7	
3			8	
4			9	
5			10	

Spacing Orders: 670203

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11750

Ground Elevation: 1115

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 240

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: 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

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

PERMIT NO: 17-33321

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 24 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: W2 NE NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 6198

Radius of Turn: 351

Direction: 13

Total Length: 5000

Measured Total Depth: 11750

True Vertical Depth: 6559

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

Notes:

Category

Description

DEEP SURFACE CASING

11/1/2017 - 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

11/1/2017 - 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: 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

SPACING - 670203

12/11/2017 - G60 - (160)(IRR) E2 E2 24-18N-7W
EST BGLM, OSWG
COMPL. INT. NCT 330' FB
(COEXIST WITH SP. ORDER 41975 OSWG)

CHESAPEAKE ENERGY

3507325895

OPERATOR: CHESAPEAKE OPERATING, LLC
LEASE NAME: BILLY BOB 24-18-7
WELL NO. 1H
STAKED DATE: 9/20/17

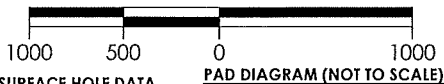
GROUND ELEVATION: 1114.74 GR. AT STAKE
SURFACE HOLE FOOTAGE: 225' FSL - 2400' FEL
SECTION: 24 TOWNSHIP: T18N RANGE: R7W
KINGFISHER COUNTY, STATE: OK

BOTTOM HOLE: 24-T18N-R7W-1H
BOTTOM HOLE FOOTAGE: 330' FNL - 380' FEL
LANDING POINT FOOTAGE: 400' FSL - 990' FEL

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE SOUTH EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM THE TOWN OF DOVER HEAD NORTH ALONG
US-81 2.5MI± TO E690RD, HEAD EAST 0.5MI±, PAD SITE
IS NORTH OF THE ROAD.

GRAPHIC SCALE IN FEET



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
X: 2030206.7
Y: 369787.7
GPS DATUM: NAD27
LAT: 36.01583600
LONG: -97.89786224

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
X: 1998607.4
Y: 369811.7
GPS DATUM: NAD83
LAT: 36.01587549
LONG: -97.89819562

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
X: 2032189.9
Y: 374500.9
GPS DATUM: NAD27
LAT: 36.02877793
LONG: -97.89113850

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
X: 2000590.6
Y: 374524.9
GPS DATUM: NAD83
LAT: 36.02881724
LONG: -97.89147180

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
X: 2031615.4
Y: 369959.6
GPS DATUM: NAD27
LAT: 36.01630394
LONG: -97.89309826

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
X: 2000016.1
Y: 369983.5
GPS DATUM: NAD83
LAT: 36.01634345
LONG: -97.89343151

PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED. GPS DATA IS OBSERVED FROM RTK-GPS. NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

CERTIFICATION:
THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.

2018.01.15 14:29:09-06'00'

[Signature]
DENVER WINCHESTER PLS 1952



BILLY BOB 24-18-7 1H

REVISION DATE:

R1 1/15/18

PART OF THE SE/4 OF
SECTION 24, T18N, R7W
WELL LOCATION EXHIBIT
KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 1000'

PLOT DATE: 01-15-2018

DRAWING: 17601109-WELL-P

DRAWN BY: SQ

SHEET NO.: 3 OF 3

300 Pointe Parkway Blvd
Yukon, OK 73099
405.787.6270 / 405.787.6276 f
www.craftontull.com



Crafton Tull
SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2018