

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

API NUMBER: 083 24429

Approval Date: 07/24/2018

Expiration Date: 01/24/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 17N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 228 1300

Lease Name: JUDGE PARKER 17-04-05

Well No: 1H

Well will be 228 feet from nearest unit or lease boundary.

Operator Name: CHISHOLM OIL & GAS OPERATING LLC

Telephone: 9184886400

OTC/OCC Number: 23991 0

CHISHOLM OIL & GAS OPERATING LLC
6100 S YALE AVE STE 1700
TULSA, OK 74136-1921

ROBERT ENGLE, TRUSTEE
610 GLATT CIRCLE
WOODBURN OR 97071

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6302	6	
2	WOODFORD	6856	7	
3			8	
4			9	
5			10	

Spacing Orders: 669057

Location Exception Orders: 674021

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11947

Ground Elevation: 1153

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 320

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: 18-34793
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 05 Twp 17N Rge 4W County LOGAN

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 1340

Depth of Deviation: 6059

Radius of Turn: 573

Direction: 1

Total Length: 4988

Measured Total Depth: 11947

True Vertical Depth: 6856

End Point Location from Lease,

Unit, or Property Line: 175

Additional Surface Owner	Address	City, State, Zip
CAROLYN ENGLE, TRUSTEE	610 GLATT CIR.	WOODBURN, OR 97071

Notes:

Category

Description

HYDRAULIC FRACTURING

6/26/2018 - 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

LOCATION EXCEPTION - 674021

7/23/2018 - G75 - (I.O.) W2 5-17N-4W
X669057 MSSP, WDFD
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FWL **
CHISHOLM OIL & GAS OP., LLC
2-23-2018

** ITD HAS LATERAL DRILLED IN OPPOSITE DIRECTION; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

SPACING - 669057

7/23/2018 - G75 - (320)(HOR) W2 5-17N-4W
EST MSSP, WDFD, OTHER
POE TO BHL (MSSP) NLT 660' FB
POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
(COEXIST SP. ORDER # 59564/61637 MSSLM NW4 & ORDER # 310164 MSSLM SW4)

SURFACE CASING

6/26/2018 - G71 - MIN. 500' PER ORDER # 59052/66227

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

083 24429 JUDGE PARKER 17-04-05 1H

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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.



Well Location Plat

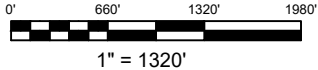
S.H.L. Sec. 8-17N-4W I.M.
B.H.L. Sec. 5-17N-4W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC
Lease Name and No.: JUDGE PARKER 17-04-05 1H
Footage: 228' FNL - 1300' FWL Gr. Elevation: 1153'
N/2-N/2-N/2-NW/4 Section: 8 Township: 17N Range: 4W I.M.
County: Logan State of Oklahoma
Terrain at Loc.: Location fell in an open, flat cultivated field.

API 083-24429



All bearings shown
are grid bearings.



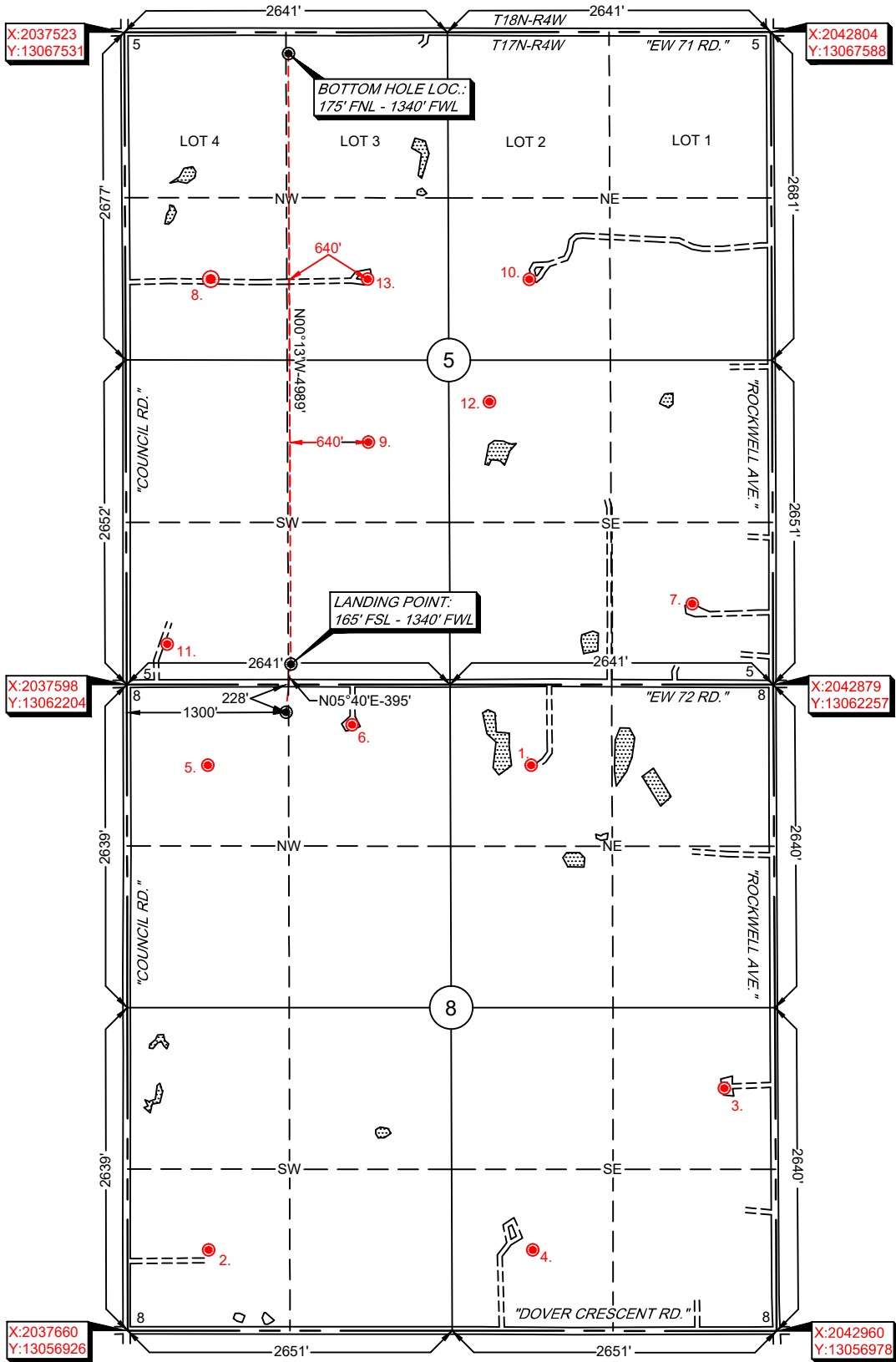
GPS DATUM
NAD 83
NAD 27
UTM - ZONE 14

Surface Hole Loc.:
Lat: 35°58'13.55"N
Lon: 97°39'11.80"W
Lat: 35.97038776
Lon: -97.65295063
X:2038900
Y:13061989

Landing Point:
Lat: 35°58'17.43"N
Lon: 97°39'11.30"W
Lat: 35.97146698
Lon: -97.65281400
X:2038935
Y:13062383

Bottom Hole Loc.:
Lat: 35°59'06.77"N
Lon: 97°39'11.32"W
Lat: 35.98517327
Lon: -97.65281954
X:2038865
Y:13067371

-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of the survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is derived from RTK - GPS. NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2018

Invoice #7428-A-B
Date Staked: 02/28/18 By: J.L.
Date Drawn: 03/02/18 By: C.K.
Rev. LP & BHL: 05/24/18 By: C.K.
Rev. SHL: 06/01/18 By: J.K.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

LANCE G. MATHIS

06/01/18

OK LPLS 1664

