

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

API NUMBER: 011 24193

Approval Date: 03/13/2019

Expiration Date: 09/13/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 18N Rge: 11W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 675

Lease Name: SEAN O'BRIEN 18-11-36

Well No: 1MH

Well will be 250 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

JACK A. STOCKTON & SHARON ANN STOCKTON,
TRUSTEES
15024 JEFFERSON LANE
OKLAHOMA CITY OK 73134

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	8116	6	
2 WOODFORD	9374	7	
3		8	
4		9	
5		10	

Spacing Orders: 169512
659330

Location Exception Orders: 683579

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14081

Ground Elevation: 1218

Surface Casing: 480

Depth to base of Treatable Water-Bearing FM: 50

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: 8000 Average: 5000

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: CHICKASHA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36303
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - SALT CREEK)

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 36 Twp 18N Rge 11W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 8729

Radius of Turn: 504

Direction: 1

Total Length: 4561

Measured Total Depth: 14081

True Vertical Depth: 9374

End Point Location from Lease,

Unit, or Property Line: 175

Additional Surface Owner	Address	City, State, Zip
F. DOUGLAS SHIRLEY & ANASTASIA	109 HIGHLAND TERRACE	NORMAN, OK 73069

Notes:

Category

Description

DEEP SURFACE CASING

3/5/2019 - 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

3/4/2019 - 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

3/4/2019 - 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 - 683579

3/13/2019 - G58 - (I.O.) 36-18N-11W
X169512 MSSLM
X659330 WDFD
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
CHISHOLM OIL AND GAS, LLC
9/24/2018

SPACING - 169512

3/13/2019 - G58 - (640) 36-18N-11W
EXT 111424 MSSLM, OTHERS

SPACING - 659330

3/13/2019 - G58 - (640) 36-18N-11W
EST WDFD

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

011 24193 SEAN O'BRIEN 18-11-36 1MH

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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

Sec. 36-18N-11W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: SEAN O'BRIEN 18-11-36 1MH

Footage: 250' FSL - 675' FEL Gr. Elevation: 1218'

N/2-SE/4-SE/4-SE/4 Section: 36 Township: 18N Range: 11W I.M.

County: Blaine State of Oklahoma

Terrain at Loc.: Location fell in open hilly land, West of existing pipeline.

011-24193



All bearings shown are grid bearings.



1" = 1000'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 35°59'10.12"N

Lon: 98°19'08.91"W

Lat: 35.98610554

Lon: -98.31879176

X:1841887

Y:13065661

Landing Point:

Lat: 35°59'13.09"N

Lon: 98°19'04.96"W

Lat: 35.98693100

Lon: -98.31769485

X:1842210

Y:13065964

Bottom Hole Loc.:

Lat: 35°59'58.21"N

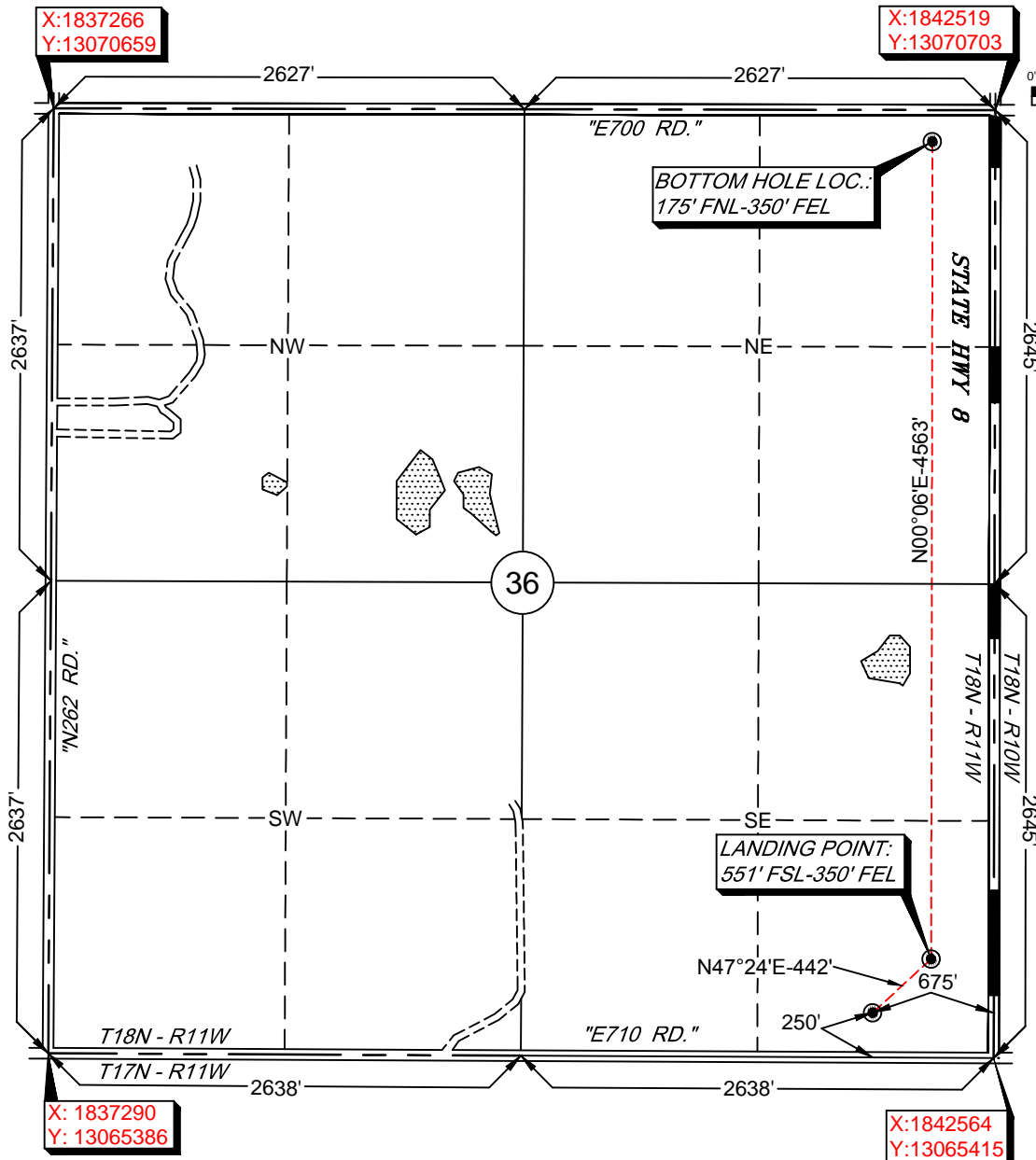
Lon: 98°19'05.05"W

Lat: 35.99946590

Lon: -98.31771868

X:1842171

Y:13070525



-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping 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.
-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, 2020

Invoice #7843-A

Date Staked: 06/11/18 By: R.L.

Date Drawn: 06/12/18 By: J.D.

Rev. Lease Name: 11/14/18 By: J.H.

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
LANCE G. MATHIS

11/15/18

OK LPLS 1664

