

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

API NUMBER: 137 27560

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 1N Rge: 4W County: STEPHENS  
SPOT LOCATION:  NW  NE  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 300 2300

Lease Name: BIFFLE 22-15 Well No: UW1H Well will be 300 feet from nearest unit or lease boundary.

Operator Name: CHEYENNE PETROLEUM COMPANY Telephone: 4054635453 OTC/OCC Number: 5593 0

CHEYENNE PETROLEUM COMPANY  
14000 QUAIL SPRINGS PKWY STE 2200  
OKLAHOMA CITY, OK 73134-2617

HAROLD & JOAN BIFFLE  
PO BOX 564  
VELMA OK 73491

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

Name	Depth	Name	Depth
1 WOODFORD	10000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 690368

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17800

Ground Elevation: 1095

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 1140

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-36046

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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

HORIZONTAL HOLE 1

Sec 15 Twp 1N Rge 4W County STEPHENS

Spot Location of End Point: SE NE SE NW

Feet From: NORTH 1/4 Section Line: 1750

Feet From: WEST 1/4 Section Line: 2500

Depth of Deviation: 7574

Radius of Turn: 474

Direction: 2

Total Length: 9481

Measured Total Depth: 17800

True Vertical Depth: 10100

End Point Location from Lease,  
Unit, or Property Line: 1750

Notes:

Category

Description

COMPLETION INTERVAL

1/29/2019 - G56 - THE COMPLETION INTERVAL FOR THE WOODFORD FORMATION WILL BE NO CLOSER THAN 165' FNL/FSL, NO CLOSER THAN 330' FEL/FWL PER OPERATOR

DEEP SURFACE CASING

1/2/2019 - 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

1/2/2019 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

1/2/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

Category

Description

SPACING - 690368

1/29/2019 - G56 - (E.O.)(1280)(HOR) 15 & 22-1N-4W  
VAC OTHERS  
VAC 520059 WDFD, OTHERS  
EST WDFD, OTHERS  
COMPL INT NLT 165' FNL/FSL, NLT 330' FEL/FWL  
1/25/2019

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.

# Permit Plat

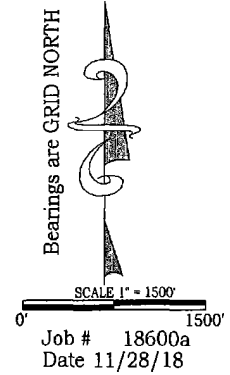
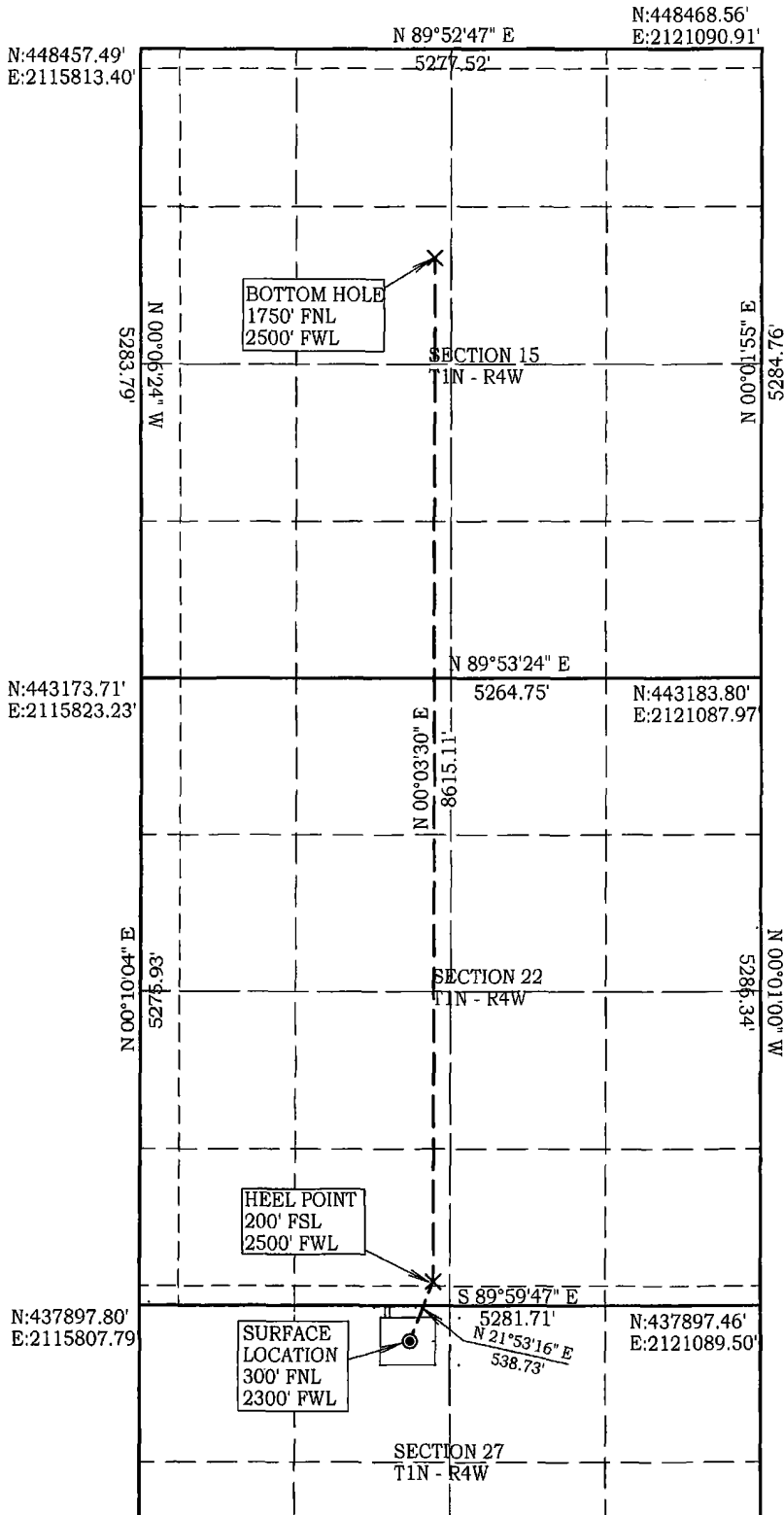
## M & M Land Surveying, Inc.

520 "E" Street NW. Ardmore, OK. 73401  
Office 580-226-0446 Mobile 580-221-4999

Company Name: Cheyenne Petroleum Company Lease Name: Biffle 22-15-UW1H  
Section 27 Township 1 North Range 4 West County Stephens Oklahoma

Surface Location 300' FNL - 2300' FWL Elevation 1095'

**ALL SECTION CORNER COORDINATES ARE NAD 27**



**NAD 27 OK SOUTH**  
Surface Location  
Latitude: 34.535192°  
Longitude: 97.607812°  
Y = 437,598'  
X = 2,118,107'  
Heel Point  
Latitude: 34.536564°  
Longitude: 97.607168°  
N = 438,098'  
E = 2,118,308'  
Bottom Hole  
Latitude: 34.560236°  
Longitude: 97.607028°  
N = 446,713'  
E = 2,118,317'

**NAD 83 OK SOUTH**  
Surface Location  
Latitude: 34.535274°  
Longitude: 97.608148°  
N = 437,640'  
E = 2,086,512'  
Heel Point  
Latitude: 34.536646°  
Longitude: 97.607475°  
N = 438,140'  
E = 2,086,713'  
Bottom Hole  
Latitude: 34.560318°  
Longitude: 97.607335°  
N = 446,755'  
E = 2,086,721'



*D. Harry McClintick* 12/20/18

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093  
This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.