

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

API NUMBER: 073 25645 A

Approval Date: 05/17/2017  
Expiration Date: 11/17/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE SHL. CHANGE OPERATOR NAME PER  
MERGER FILING. UPDATE OCC ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 18N Rge: 7W County: KINGFISHER  
SPOT LOCATION:  NW  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 286 167

Lease Name: ANDREWS 1807 Well No: 17-1MH Well will be 167 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

HENRY AND MIKE ANDREWS  
1006 WEST FAY  
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPI SOLID	7490	6	
2	WOODFORD	7980	7	
3			8	
4			9	
5			10	

Spacing Orders: 634083

Location Exception Orders: 663806

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13444 Ground Elevation: 1106 Surface Casing: 510 Depth to base of Treatable Water-Bearing FM: 270

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: 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: 17-32580  
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 18 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 17 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 7173

Radius of Turn: 819

Direction: 2

Total Length: 4984

Measured Total Depth: 13444

True Vertical Depth: 7980

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

5/12/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

LOCATION EXCEPTION - 663806

10/02/2019 - GB6 - (I.O.) W2 17-18N-7W  
X634083 MSSSD, WDFD  
SHL NCT 0' FSL, NCT 0' FNL, NCT 0' FEL, NCT 0' FWL (17-18N-7W)\*\*  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FWL  
GASTAR EXPLORATION INC. (BOUGHT IN ITS ENTIRETY BY CHISHOLM OIL & GAS OPERATING LLC)  
5/17/2017

\*\*SHL WILL BE CORRECTED TO 20-18N-7W AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

SPACING - 634083

5/17/2017 - G60 - (320) W2 17-18N-7W  
EST MSSSD, WDFD, OTHER  
COMPL. INT. (MSSSD) NCT 660' FB  
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL  
(COEXIST WITH SP. ORDER 68514 MSSSD)



# Well Location Plat

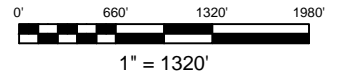
S.H.L. Sec. 20-18N-7W I.M.  
B.H.L. Sec. 17-18N-7W I.M.

35-073-25645 (amend)

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: ANDREWS 1807 17-1MH  
Footage: 286' FNL - 167' FWL Pad Elevation: 1108'  
NW/4-NW/4-NW/4-NW/4 Section: 20 Township: 18N Range: 7W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fell on an existing level pad site.



All bearings shown  
are grid bearings.



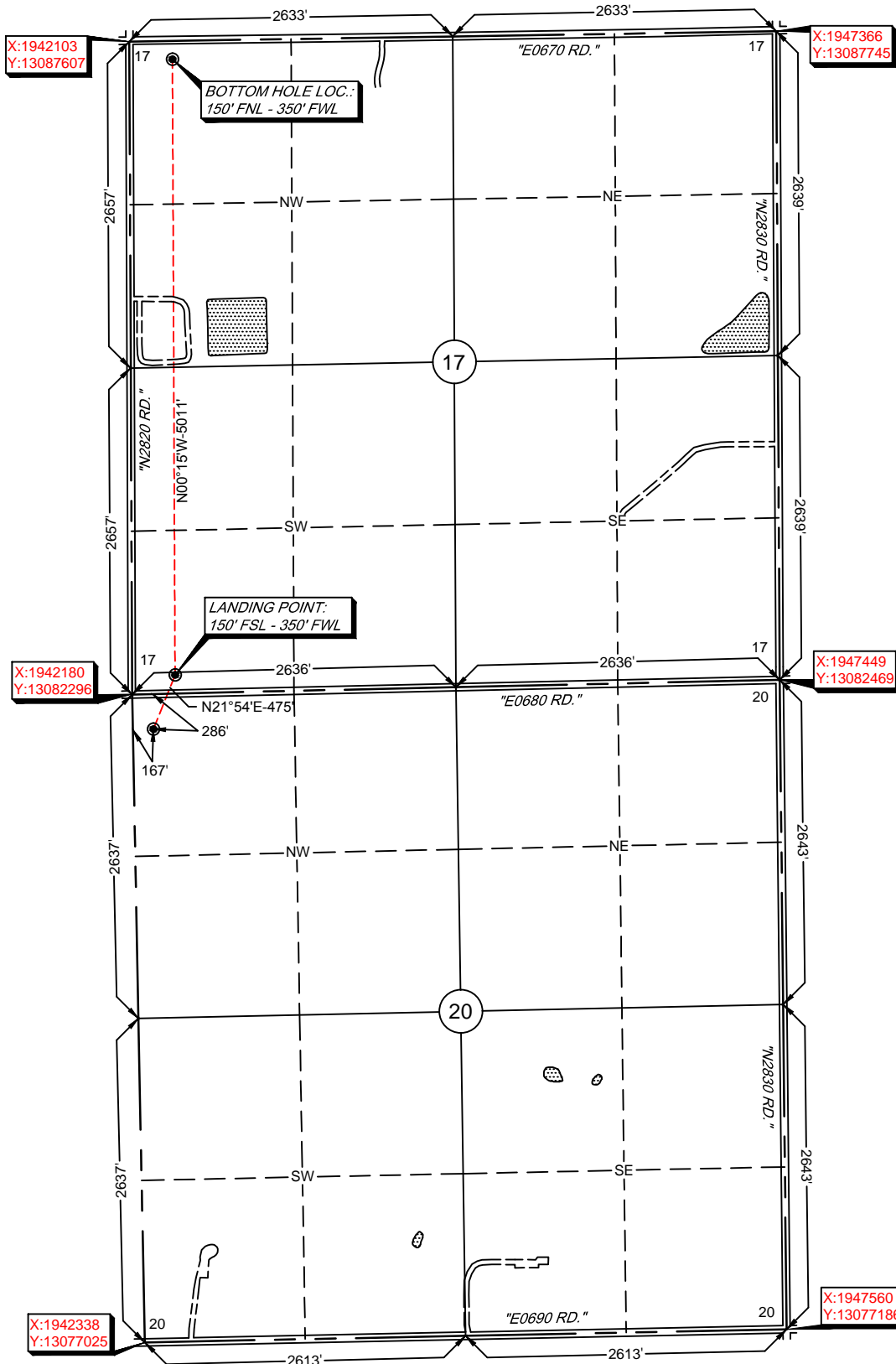
GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Conductor Pipe:  
Lat: 36°01'43.21"N  
Lon: 97°58'43.99"W  
Lat: 36.02863182  
Lon: -97.97855116  
X:1942356  
Y:13082015

Landing Point:  
Lat: 36°01'47.57"N  
Lon: 97°58'41.84"W  
Lat: 36.02984137  
Lon: -97.97795198  
X:1942528  
Y:13082457

Bottom Hole Loc.:  
Lat: 36°02'37.12"N  
Lon: 97°58'42.08"W  
Lat: 36.04360679  
Lon: -97.97802019  
X:1942455  
Y:13087466

-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 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 #8755  
Date Staked: 07/15/19 By: B.A.  
Date Drawn: 07/16/19 By: C.K.  
Added LP & BHL: 07/29/19 By: E.W.

## 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

07/31/19

OK LPLS 1664

