

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

API NUMBER: 063 24677 A

Approval Date: 06/06/2017  
Expiration Date: 12/06/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION & GROUND  
ELEVATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 9N Rge: 10E County: HUGHES  
SPOT LOCATION:  NE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 275 569

Lease Name: BARGER Well No: 1-26-23CH Well will be 275 feet from nearest unit or lease boundary.  
Operator Name: CALYX ENERGY III LLC Telephone: 9189494224 OTC/OCC Number: 23515 0

CALYX ENERGY III LLC  
6120 S YALE AVE STE 1480  
TULSA, OK 74136-4226

BARGER TRUST  
319 S. CANADIAN  
WETUMKA OK 74883

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	3450	6	
2 WOODFORD	3750	7	
3		8	
4		9	
5		10	

Spacing Orders: 658544 Location Exception Orders: 659258 Increased Density Orders:  
658543 669796  
659384  
669688

Pending CD Numbers:

Special Orders:

Total Depth: 14120 Ground Elevation: 803 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 90

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: WEWOKA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31674  
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 23 Twp 9N Rge 10E County HUGHES

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 3144

Radius of Turn: 477

Direction: 357

Total Length: 10227

Measured Total Depth: 14120

True Vertical Depth: 3800

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	6/5/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	6/5/2017 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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 - 659258	4/23/2018 - G75 - (I.O.) X658544 MSSP, WDFD 26-9N-10E X658543 MSSP, WDFD 23-9N-10E SHL (35-9N-10E) 275' FNL, 569' FWL COMPL. INT. (26-9N-10E) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (23-9N-10E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL CALYX ENERGY III, LLC 12-23-2016
LOCATION EXCEPTION - 669796	4/23/2018 - G75 - EXTEND 659258 UNTIL 12-23-2018
SPACING - 658543	6/6/2017 - G75 - (640)(HOR) 23-9N-10E EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 658544	6/6/2017 - G75 - (640)(HOR) 26-9N-10E EST MSSP, WDFD, OTHER COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 659384	6/6/2017 - G75 - (I.O.) 26 & 23-9N-10E EST MULTIUNIT HORIZONTAL WELL X658544 MSSP, WDFD 26-9N-10E X658543 MSSP, WDFD 23-9N-10E (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 26-9N-10E 50% 23-9N-10E CALYX ENERGY III, LLC 12-29-2016
SPACING - 669688	4/23/2018 - G75 - EXTEND 659384 UNTIL 12-29-2018

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

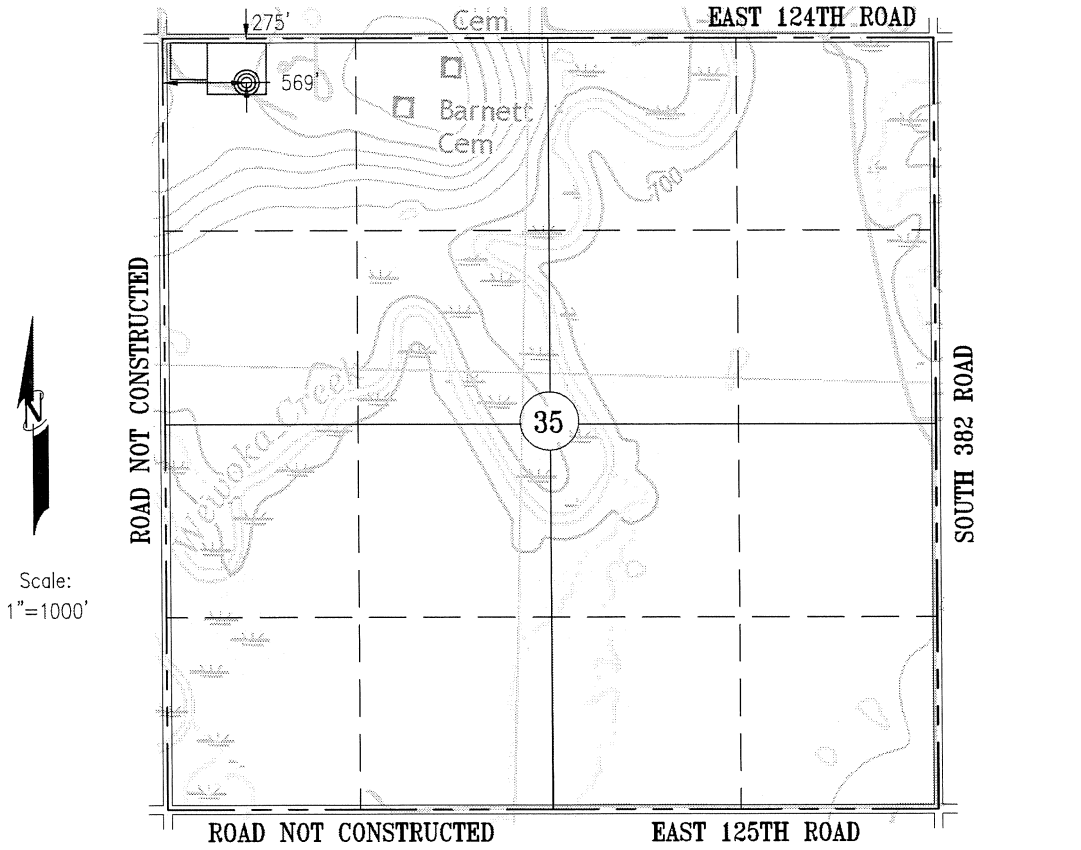
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

063 24677 BARGER 1-26-23CH

### PROPOSED WELL LOCATION

Hughes County, Oklahoma  
 569' FWL, 275' FNL NW/4 Section 35, Township 09N, Range 10E I.M.



Scale:  
1"=1000'

Bottom Hole, Landing Point, and Drill Path information provided by operator listed, NOT Surveyed; distance between drill paths are calculated.

Above Background data from U.S.G.S. Topographic Map  
 Contour Interval 10'

Operator: CALYX ENERGY III, LLC  
 Lease Name: BARGER Well No.: 1-26-23CH  
 Topography & Vegetation: LOCATION FELL IN PASTURE LAND  
 Good Drill Site: YES  
 Best Accessibility to Location: FROM NORTH  
 Distance and Direction from Hwy Junction or Town: FROM THE INTERSECTION OF EAST 124 ROAD AND STATE HIGHWAY 75 EAST 0.95 MILES TO WELL PAD

**ELEVATION:**  
 803' GR. AT STAKE

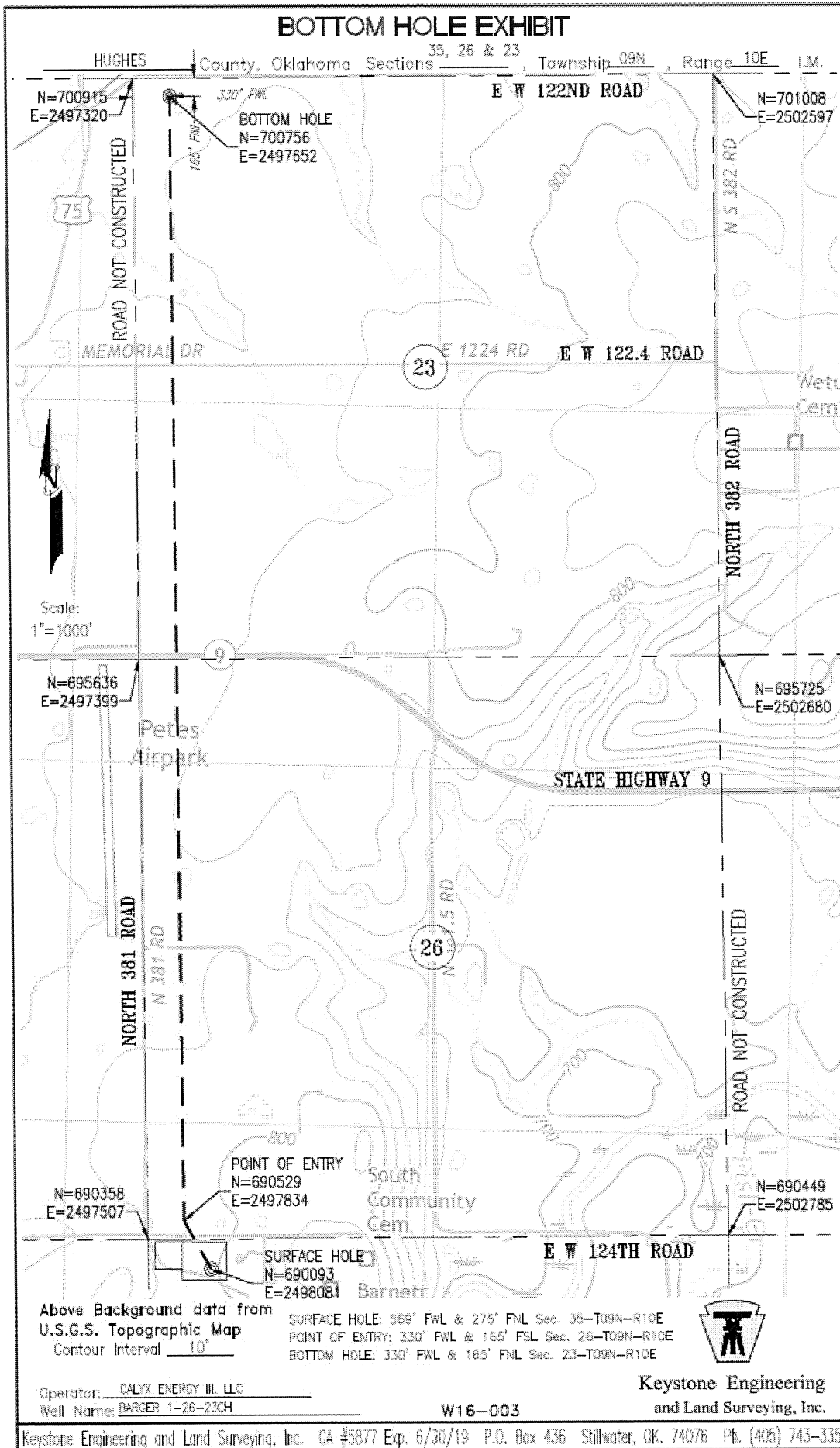
Keystone Engineering and Land Surveying, Inc. CA #5877 Exp. 6/30/19 P.O. Box 436 Stillwater, OK. 74076 Ph. (405) 743-3355



**CERTIFICATE:** W16-003  
 I, Carey E. Harris, an Oklahoma Professional Land Surveyor and an authorized agent of Keystone Engineering and Land Surveying, Inc., does hereby certify that on July 27th, 2016, the above described well location was surveyed on the ground as shown herein.  
 [Signature] REVISED 01/05/2018  
 Carey E. Harris, Oklahoma Professional Land Surveyor No. 1719

( THE FOLLOWING INFORMATION WAS GATHERED USING A GPS RECEIVER. ACCURACY ±3 FOOT. )  
 GPS DATUM: NAD-83  
 LATITUDE: 35°13'00" N  
 LONGITUDE: 96°13'37" W  
 STATE PLANE COORDINATES  
 ZONE: OK SOUTH  
 X: 2498081  
 Y: 690093

# BOTTOM HOLE EXHIBIT



Operator: CALIX ENERGY III, LLC  
 Well Name: BARBER 1-26-23CH

W16-003

**Keystone Engineering  
 and Land Surveying, Inc.**