

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

API NUMBER: 063 24848

Approval Date: 09/04/2018

Expiration Date: 03/04/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 8N Rge: 12E County: HUGHES

SPOT LOCATION: ☐ NE ☐ NW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 999 920

Lease Name: ROOSEVELT Well No: 4-5-18CH Well will be 920 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

JAMES B. WISE  
3401 HICKORY STICK RD  
OKC OK 73120

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

	Name	Depth	Name	Depth
1	CANEY	3800	6	
2	MAYES	4000	7	
3			8	
4			9	
5			10	

Spacing Orders: 673572  
671026

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804967  
201804968  
201804969  
201804970  
201804965  
201804966

Special Orders:

Total Depth: 13963 Ground Elevation: 736

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 280

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: SENORA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 551649

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: 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: SENORA

HORIZONTAL HOLE 1

Sec 18 Twp 8N Rge 12E County HUGHES

Spot Location of End Point: NE SW NW NW

Feet From: NORTH 1/4 Section Line: 765

Feet From: WEST 1/4 Section Line: 490

Depth of Deviation: 3634

Radius of Turn: 382

Direction: 225

Total Length: 9729

Measured Total Depth: 13963

True Vertical Depth: 4050

End Point Location from Lease,  
Unit, or Property Line: 490

Notes:

Category

Description

DEEP SURFACE CASING

7/13/2018 - 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

7/13/2018 - 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](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

7/13/2018 - G71 - PIT 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED AND HELD UNTIL DISPOSAL APPROVED BY OCC

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

063 24848 ROOSEVELT 4-5-18CH

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
PENDING CD - 201804965	7/26/2018 - G57 - (I.O.) 5,7,8,18-8N-12E EST MULTIUNIT HORIZONTAL WELL X673572 MYES, CNEY 5,7,8-8N-12E X671026 MYES, CNEY 18-8N-12E (MYES IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE CNEY) 15% 5-8N-12E 30% 8-8N-12E 40% 7-8N-12E 15% 18-8N-12E CALYX ENERGY III, LLC. REC 7-16-2018 (JOHNSON)
PENDING CD - 201804966	7/26/2018 - G57 - (I.O.) 5,7,8,18-8N-12E X673572 CNEY, MYES 5,7,8-8N-12E X671026 CNEY, MYES 18-8N-12E COMPL. INT. (5-8N-12E) NFT 1320' FSL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (8-8N-12E) NCT 0' FNL, NCT 0' FWL, NCT 660' FEL COMPL. INT. (7-8N-12E) NCT 0' FSL, NCT 0' FEL, NFT 990' FEL ** COMPL. INT. (18-8N-12E) NCT 0' FNL, NCT 2640' FSL, NCT 330' FEL ++ NO OP. NAMED REC 7-16-2018 (JOHNSON)
	**S/B NCT 990' FWL; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER OPERATOR ++S/B NCT 330' FWL; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER OPERATOR
PENDING CD - 201804967	7/26/2018 - G57 - 5-8N-12E X673572 CNEY 1 WELL NO OP. NAMED REC 7-16-2018 (JOHNSON)
PENDING CD - 201804968	7/26/2018 - G57 - 7-8N-12E X673572 CNEY 1 WELL NO OP. NAMED REC 7-16-2018 (JOHNSON)
PENDING CD - 201804969	7/26/2018 - G57 - 8-8N-12E X673572 CNEY 1 WELL NO OP. NAMED REC 7-16-2018 (JOHNSON)
PENDING CD - 201804970	7/26/2018 - G57 - 18-8N-12E X671026 CNEY 1 WELL NO. OP. NAMED REC 7-23-2018 (DUNN)
SPACING - 671026	7/20/2018 - G57 - (640) 18-8N-12E EST MYES, CNEY POE TO BHL (MYES) NLT 660' FB POE TO BHL (CNEY) NLT 330' FB
SPACING - 673572	7/20/2018 - G57 - (640)(HOR) 5,7,8-8N-12E EXT OTHERS EST CNEY, MYES POE TO BHL (MYES) NLT 660' FB POE TO BHL (CNEY) NLT 330' FB

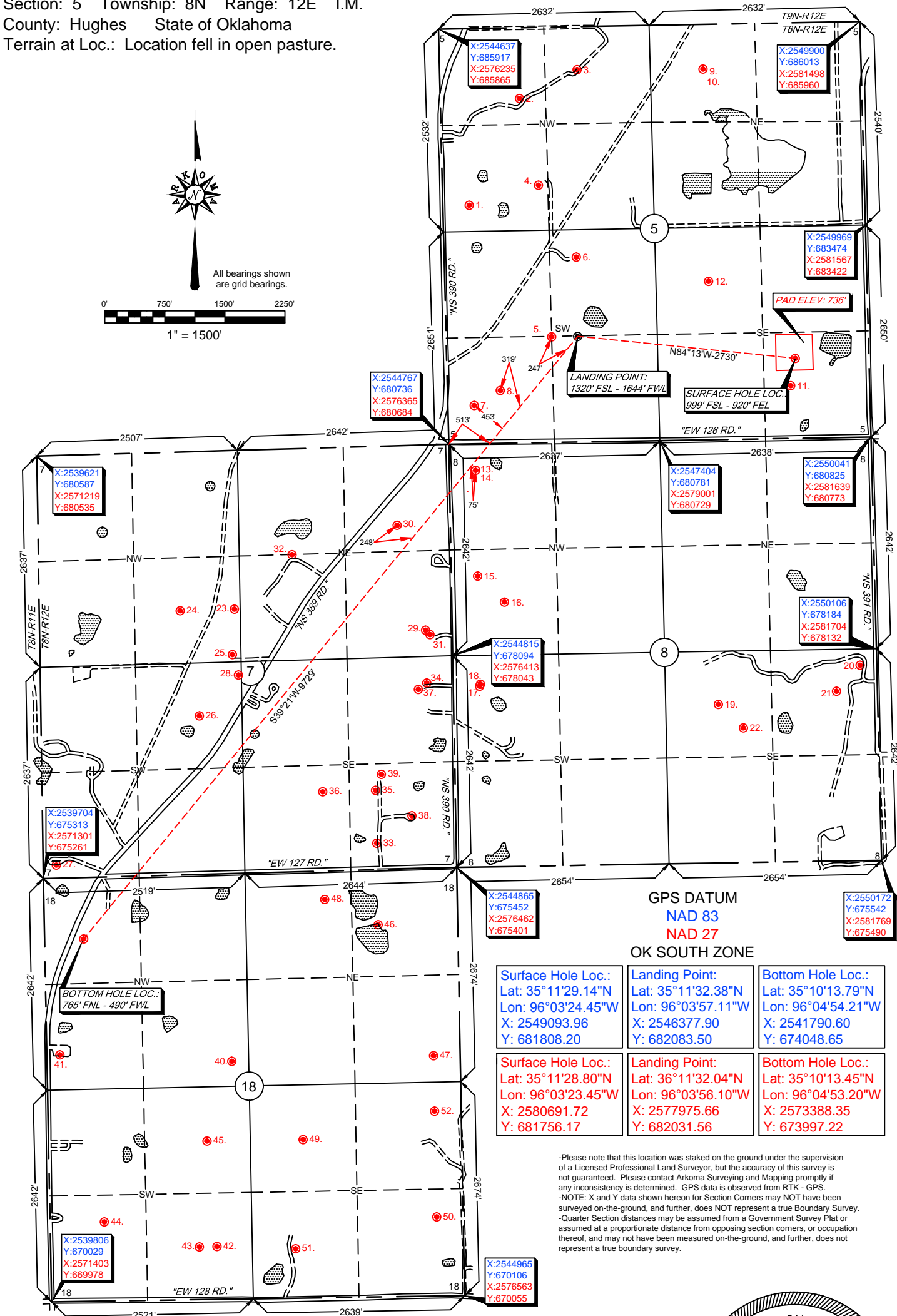


# Well Location Plat

S.H.L. Sec. 5-8N-12E I.M.  
B.H.L. Sec. 18-8N-12E I.M.

Operator: CALYX ENERGY III, LLC  
Lease Name and No.: ROOSEVELT 4-5-18CH  
Footage: 999' FSL - 920' FEL **Final Pad Elev.: 736'**  
Section: 5 Township: 8N Range: 12E I.M.  
County: Hughes State of Oklahoma  
Terrain at Loc.: Location fell in open pasture.

API:063 24848



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 #7653-A-D  
Date Staked: 02/26/18 By: H.S.  
Date Drawn: 02/26/18 By: J.H.  
Rev. LP & BHL: 08/14/18 By: C.K.  
Rev. LP & BHL: 08/14/18 By: C.K.  
Rev. LP: 08/27/18 By: M.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  
08/28/18  
OK LPLS 1664

