

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

API NUMBER: 029 21382 A

Approval Date: 09/14/2018

Expiration Date: 03/14/2019

Horizontal Hole Oil & Gas

Amend reason: AMENDING WELL LOCATION (SURFACE HOLE LOCATION) AND SURFACE OWNER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 2N Rge: 9E

County: COAL

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 311 885

Lease Name: AMIGO SHINE

Well No: 1-15H

Well will be 311 feet from nearest unit or lease boundary.

Operator Name: CANYON CREEK ENERGY OPERATING LLC

Telephone: 9185616737

OTC/OCC Number: 23443 0

CANYON CREEK ENERGY OPERATING LLC
2431 E 61ST ST STE 400
TULSA, OK 74136-1237

DR. RICHARD W. ADAMS
18280 DOOLEY RD.
CLEVELAND NC 27013

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

Name	Depth	Name	Depth
1 WOODFORD	6725	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 682692

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12182

Ground Elevation: 745

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 180

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: BOGGY

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.

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 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: BOGGY

PIT 3 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: BOGGY

HORIZONTAL HOLE 1

Sec 15 Twp 2N Rge 9E County COAL

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 6480

Radius of Turn: 477

Direction: 185

Total Length: 4952

Measured Total Depth: 12182

True Vertical Depth: 6845

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category

Description

COMPLETION INTERVAL

9/14/2018 - G57 - THE COMPLETION INTERVAL (FIRST PERFORATION TO LAST PERFORATION OR POINT OF ENTRY TO TERMINUS) FOR THE WOODFORD WILL BE GREATER THAN 165' FNL AND FSL; GREATER THAN 330' FEL AND FWL OF 15-2N-9E PER SPACING ORDER #682692 PER OPERATOR

DEEP SURFACE CASING

8/27/2018 - 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

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

029 21382 AMIGO SHINE 1-15H

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
HYDRAULIC FRACTURING	<p>8/27/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
MEMO	<p>8/27/2018 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 682692	<p>9/14/2018 - G57 - (640)(HOR) 15-2N-9E VAC OTHERS VAC 483968 WDFD, OTHERS EST WDFD, OTHERS POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL</p>



Well Location Plat

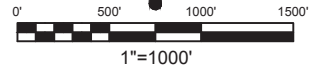
Sec. 15-2N-9E I.M.

Operator: CANYON CREEK ENERGY
Lease Name and No.: AMIGO SHINE 1-15H ALT
Footage: 311' FNL - 885' FEL Gr. Elevation: 745'
Section: 15 Township: 2N Range: 9E I.M.
County: Coal State of Oklahoma
Terrain at Loc.: Location fell on existing level pad site.

029-21382



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°38'59.63"N
Lon: 96°20'23.57"W
X: 2467762
Y: 483231

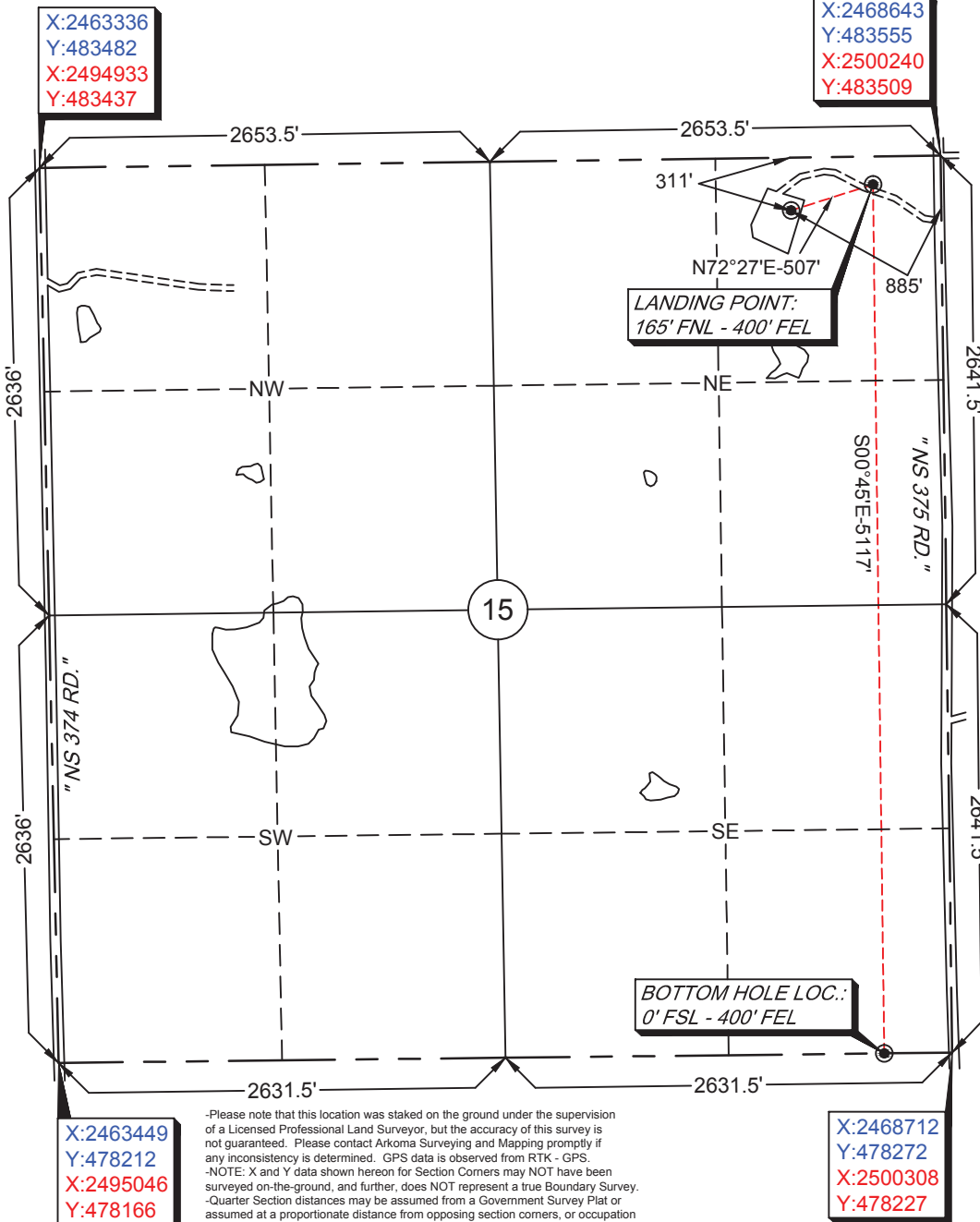
Surface Hole Loc.:
Lat: 34°38'59.30"N
Lon: 96°20'22.56"W
X: 2499359
Y: 483186

Landing Point:
Lat: 34°39'01.06"N
Lon: 96°20'17.76"W
X: 2468245
Y: 483384

Landing Point:
Lat: 34°39'00.73"N
Lon: 96°20'16.75"W
X: 2499842
Y: 483338

Bottom Hole Loc.:
Lat: 34°38'10.45"N
Lon: 96°20'17.97"W
X: 2468312
Y: 478268

Bottom Hole Loc.:
Lat: 34°38'11.12"N
Lon: 96°20'16.96"W
X: 2499908
Y: 478222



-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 #5854-D-A

Date Staked: 08/30/18 By: H.S.

Date Drawn: 09/04/18 By: J.D.

Rev. Well Name: 09/10/18 By: J.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
LANCE G. MATHIS

02/12/19

OK LPLS 1664

