API NUMBER: 063 24690

Horizontal Hole Oil & Gas

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

Approval Date: 08/01/2017
Expiration Date: 02/01/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 6N Rge: 10E County: HUGHES

SPOT LOCATION: N2 NW NW NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **165** **330**

Lease Name: HARDEN **Well No: #1-10H** **Well will be 165 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

JOE HARDEN
3789 HWY 75
HOLDENVILLE OK 74848

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

	Name	Depth		Name	Depth
1	WOODFORD	5300	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 629167 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 10750 Ground Elevation: 917 **Surface Casing: 1000** Depth to base of Treatable Water-Bearing FM: 110

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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: CALVIN

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.

H. SEE MEMO

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

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: CALVIN

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** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: CALVIN

HORIZONTAL HOLE 1

Sec 10 Twp 6N Rge 10E County HUGHES

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 4750

Radius of Turn: 350

Direction: 180

Total Length: 5450

Measured Total Depth: 10750

True Vertical Depth: 5300

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

Notes:

Category	Description
COMPLETION INTERVAL	8/1/2017 - G60 - WILL BE LEGAL FOR THE WOODFORD NCT 165' FNL/FSL, NCT 330' FEL/FWL PER OPERATOR
DEEP SURFACE CASING	7/10/2017 - 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.
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	7/7/2017 - 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/ 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
MEMO	7/7/2017 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 629167	7/24/2017 - G60 - (640) 10-6N-10E VAC OTHER EST WDFD, OTHERS COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL

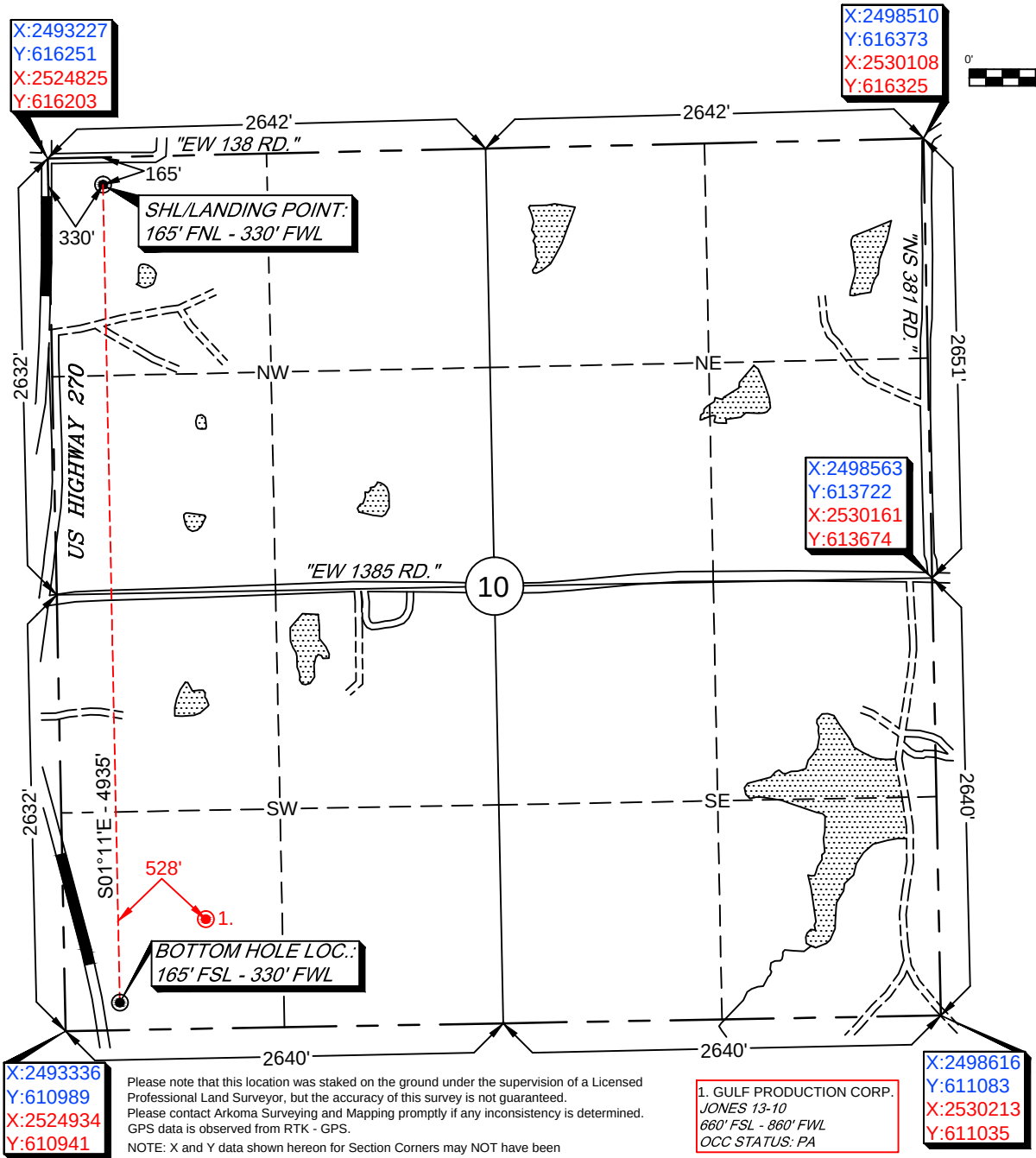
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Well Location Plat

Sec. 10-6N-10E I.M.

Operator : CANYON CREEK ENERGY
Lease Name and No. : HARDEN #1-10H
Footage : 165' FNL - 330' FWL Gr. Elevation : 917'
Section : 10 Township : 6N Range : R10E I.M.
County : Hughes State of Oklahoma
Terrain at Loc. : Location fell in open pasture.

3506324690



All bearings shown are grid bearings.

0' 500' 1000' 1500'

1" = 1000'

GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°00'49.34"N
Lon: 96°14'47.18"W
X: 2493561
Y: 616094

Surface Hole Loc.:
Lat: 35°00'49.02"N
Lon: 96°14'46.16"W
X: 2525159
Y: 616046

Landing Point:
Lat: 35°00'49.34"N
Lon: 96°14'47.18"W
X: 2493561
Y: 616094

Landing Point:
Lat: 35°00'49.02"N
Lon: 96°14'46.16"W
X: 2525159
Y: 616046

Bottom Hole Loc.:
Lat: 35°00'00.53"N
Lon: 96°14'46.99"W
X: 2493662
Y: 611160

Bottom Hole Loc.:
Lat: 35°00'00.21"N
Lon: 96°14'45.97"W
X: 2525260
Y: 611112

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.

1. GULF PRODUCTION CORP.
JONES 13-10
660' FSL - 860' FWL
OCC STATUS: PA

NOTE
ALL ANTI-COLLISION INFORMATION SHOWN HEREON WAS PROVIDED BY THE OCC WEBSITE. WELLS HAVE NOT BEEN SHOT ON THE GROUND.

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 #7250
Date Staked : 07/19/17 By : H.S.
Date Drawn : 07/24/17 By : J.H.

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.

7/30/17

LANCE G. MATHIS OK LPLS 1664

LICENSED PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
OKLAHOMA