

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

API NUMBER: 069 20194

Approval Date: 02/26/2019
Expiration Date: 08/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 4S Rge: 4E

County: JOHNSTON

SPOT LOCATION: SW SW SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 258 1593

Lease Name: BARNES

Well No: 8-2H

Well will be 258 feet from nearest unit or lease boundary.

Operator Name: BNK PETROLEUM (US) INC

Telephone: 8054843613

OTC/OCC Number: 21948 0

BNK PETROLEUM (US) INC
760 PASEO CAMARILLO STE 350
CAMARILLO, CA 93010-0763

CARL DOUGLAS BARNES
20214 TWO SISTERS RD
MADILL OK 73446

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

Name	Depth	Name	Depth
1 CANEY	9088	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 554189

Location Exception Orders: 691328

Increased Density Orders:

Pending CD Numbers: 201808955

Special Orders:

Total Depth: 14490

Ground Elevation: 687

Surface Casing: 1500

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

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35749

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 08 Twp 4S Rge 4E County JOHNSTON

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 45

Feet From: WEST 1/4 Section Line: 1013

Depth of Deviation: 8808

Radius of Turn: 461

Direction: 185

Total Length: 4957

Measured Total Depth: 14490

True Vertical Depth: 10012

End Point Location from Lease,
Unit, or Property Line: 45

Notes:

Category

Description

DEEP SURFACE CASING

11/18/2018 - 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

11/18/2018 - 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; 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

LOCATION EXCEPTION - 691328

12/11/2018 - G56 - (I.O.) 8-4S-4E
X554189 CNEY
COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 980' FWL
BNK PETROLEUM (US) INC.
2/13/2019

MEMO

11/18/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

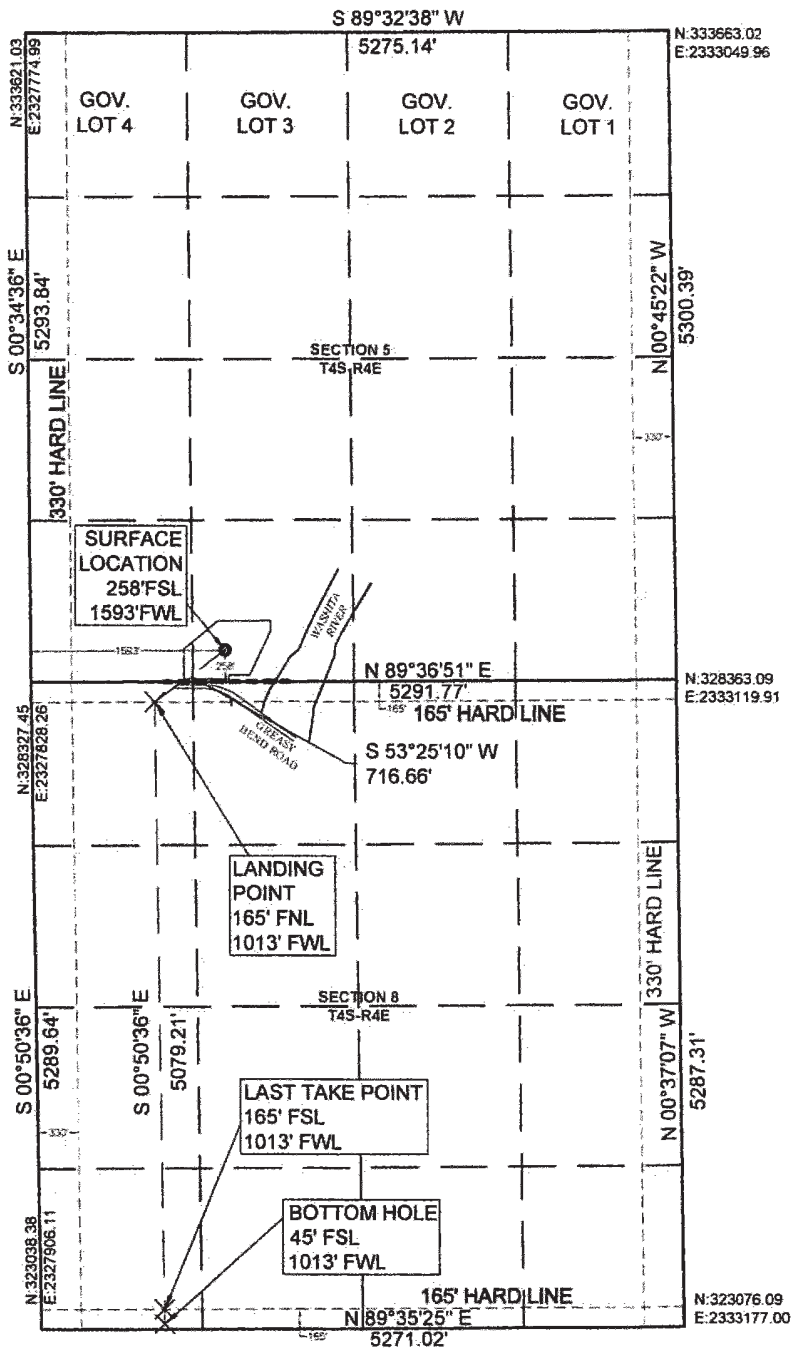
Category	Description
PENDING CD - 201808955	12/11/2018 - G56 - 8-4S-4E X554189 CNEY 4 WELLS NO OP NAMED REC 12/11/2018 (JACKSON)
SPACING - 554189	12/11/2018 - G56 - (640) 8-4S-4E EXT OTHER EST CNEY, OTHERS

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.

PERMIT PLAT

M & M Land Surveying, Inc.
 Phone (580) 226-0446
 520 E Street N.W.
 Ardmore, OK 73401

Company Name: **BNK PETROLEUM**
 Lease Name: **BARNES #8-2H**
 Section 5 Township 4 S Range 4 E, I.B.M., County of Johnston, State of Oklahoma
 Elevation Original Location:
 258'FSL - 1593'FWL 687' GROUND Good Location? YES
 Distance & Direction From Nearest Town: 3.6 miles Northwest of Mannsville.



NAD 27 OK SOUTH SURFACE LOCATION
 LAT: 34.231407°N
 LONG: 96.910154°W
 N = 328596.39'
 E = 2329419.15'
LANDING POINT
 N = 328169.3'
 E = 2328843.66'
LAST TAKE POINT
 N = 323210.67'
 E = 2328916.61'
BOTTOM HOLE
 N = 323090.68'
 E = 2328918.37'

NAD 83 OK SOUTH SURFACE LOCATION
 LAT: 34.231501°N
 LONG: 96.910441°W
 N = 328639.29'
 E = 2297824.58'
LANDING POINT
 N = 328212.2'
 E = 2297249.09'
LAST TAKE POINT
 N = 323253.53'
 E = 2297322.08'
BOTTOM HOLE
 N = 323133.54'
 E = 2297323.84'

DATA DERIVED FROM
 G.P.S. WITH O.P.U.S.
 DATA.



CERTIFICATE:

I Aaron Morris a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.



A.L.M. 10/18/2018
 Aaron L. Morris R.P.L.S. No.1477
 Bennett-Morris & Associates Land Surveying P.C. - C.A. No. 5795 (LS)
 Phone (580) 226-5108
 Fax (888) 662-7778
 1010 Northwest Boulevard
 Ardmore, OK 73401

SURVEY BY: M & M Land Surveying, Inc. - C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2018 C.A. No. 5975 (LS) - Aaron L. Morris, RPLS	
PROJECT NUMBER: 18469	SITE VISIT: (Explanation and Date)
SHEET: 4 OF 5	STAKING DATE: 10/10/2018
	DRAWING DATE: 10/16/2018