

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

API NUMBER: 087 22156

Approval Date: 07/12/2018

Expiration Date: 01/12/2019

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 5N Rge: 1W

County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 264 453

Lease Name: CGA 5N1W 7

Well No: 1HX

Well will be 264 feet from nearest unit or lease boundary.

Operator Name: BP AMERICA PRODUCTION COMPANY

Telephone: 8326194857; 2813666

OTC/OCC Number: 1640 0

BP AMERICA PRODUCTION COMPANY
1100 N BROADWAY AVE STE 200
OKLAHOMA CITY, OK 73103-4937

CONTINENTAL GATEWAY AUTHORITY
2322 WESTPARK DR.
NORMAN OK 73069

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

	Name	Depth	Name	Depth
1	WOODFORD	7100	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804346
201804347
201804349
201804348

Special Orders:

Total Depth: 17000

Ground Elevation: 1093

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 130

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: 5000 Average: 3000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-34628

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 18 Twp 5N Rge 1W County MCCLAIN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 528

Depth of Deviation: 6243

Radius of Turn: 382

Direction: 181

Total Length: 10156

Measured Total Depth: 17000

True Vertical Depth: 7100

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/5/2018 - 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

MEMO

7/5/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201804346

7/10/2018 - G57 - (640)(HOR) 7-5N-1W
VAC 615300 WDFD N2 NE4
VAC 616923 WDFD NW4, W2 SW4
EXT 634765 WDFD
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
(COEXIST WITH SP. ORDER #616923 & 634765 S2 NE4, E2 SW4 WDFD)
REC 6-26-2018 (FOREMAN)

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

087 22156 CGA 5N1W 7 1HX

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 - 201804347	7/11/2018 - G57 - (I.O.) 7 & 18-5N-1W X201804346 WDFD 7-5N-1W X201804348 WDFD 18-5N-1W COMPL. INT. (7-5N-1W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (18-5N-1W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 6-26-2018 (FOREMAN)
PENDING CD - 201804348	7/10/2018 - G57 - (640)(HOR) 18-5N-1W VAC 603534 WDFD E2 NW4 EXT 634765 WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST W/ SP. ORDER #603534 WDFD W2 SW4, W2 NW4, E2 SW4) REC 6-26-2018 (FOREMAN)
PENDING CD - 201804349	7/11/2018 - G57 - (I.O.) 7 & 18-5N-1W EST MULTIUNIT HORIZONTAL WELL X201804346 WDFD 7-5N-1W X201804348 WDFD 18-5N-1W 50% 7-5N-1W 50% 18-5N-1W NO OP. NAMED REC 6-26-2018 (FOREMAN)



Well Location Plat

S.H.L. Sec. 7-5N-1W I.M.
B.H.L. Sec. 18-5N-1W I.M.

Operator: BP AMERICA PRODUCTION COMPANY
Lease Name and No.: CGA 5N1W 7 1HX
Footage: 264' FNL - 453' FEL Gr. Elevation: 1093'
Section: 7 Township: 5N Range: 1W I.M.
County: McClain State of Oklahoma
Terrain at Loc.: Location fell in an open wheat field, South and West of an existing power line, with increasing elevation to the South.

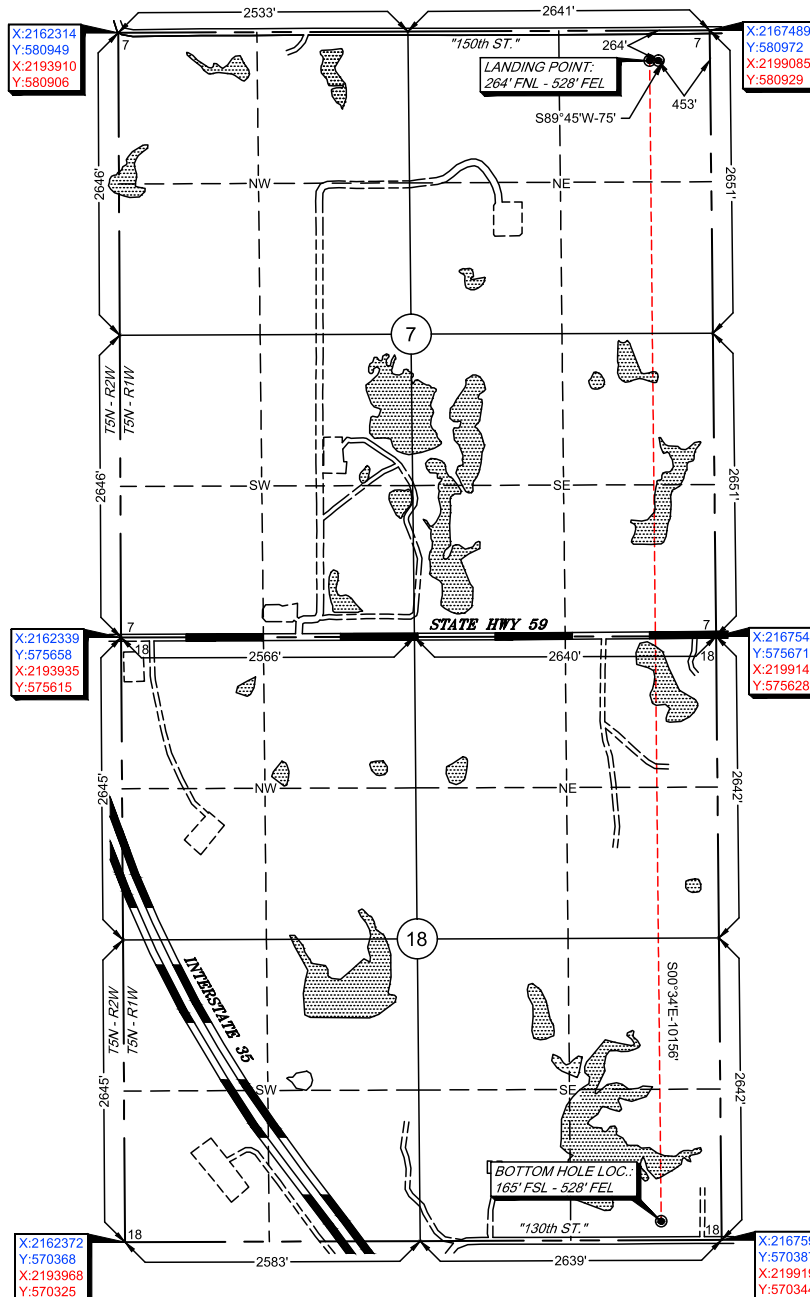
API: 087 22156



All bearings shown
are grid bearings.



1" = 1320'



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°55'37.98"N
Lon: 97°20'15.55"W
Lat: 34.92721759
Lon: -97.33765397
X: 2167038
Y: 580706

Surface Hole Loc.:
Lat: 34°55'37.72"N
Lon: 97°20'14.46"W
Lat: 34.92714308
Lon: -97.33734924
X: 2198634
Y: 580663

Landing Point:
Lat: 34°55'37.98"N
Lon: 97°20'16.46"W
Lat: 34.92721802
Lon: -97.33790420
X: 2166963
Y: 580706

Landing Point:
Lat: 34°55'37.72"N
Lon: 97°20'15.36"W
Lat: 34.92714352
Lon: -97.33759948
X: 2198559
Y: 580663

Bottom Hole Loc.:
Lat: 34°53'57.53"N
Lon: 97°20'16.05"W
Lat: 34.89931322
Lon: -97.33779040
X: 2167064
Y: 570550

Bottom Hole Loc.:
Lat: 34°53'57.26"N
Lon: 97°20'14.95"W
Lat: 34.89923797
Lon: -97.33748598
X: 2198660
Y: 570507

-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, 2018

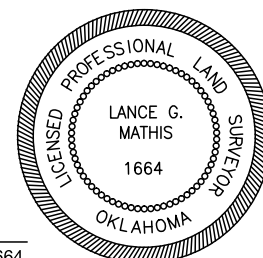
Certification:

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

05/29/18

OK LPLS 1664



Invoice #7785-A-A

Date Staked: 05/17/18 By: D.K.

Date Drawn: 05/22/18 By: J.K.