

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

API NUMBER: 087 22102

Approval Date: 01/09/2018

Expiration Date: 07/09/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 6N Rge: 2W

County: MCCLAIN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 289 1572

Lease Name: HOGUE 6N 2W 25

Well No: 1HX

Well will be 289 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
737 N ELDRIDGE PKWY
HOUSTON, TX 77079-4411

BILL AND LINDA HOGUE
3118 S. 9TH
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 WOODFORD	5995	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 660007

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708378
201708380

Special Orders:

Total Depth: 15150

Ground Elevation: 1123

Surface Casing: 620

Depth to base of Treatable Water-Bearing FM: 370

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: 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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: PURCELL

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- B. Solidification of pit contents.

H. PIT 2 - MIN. 20-MIL PIT LINER REQUIRED, 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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: PURCELL

HORIZONTAL HOLE 1

Sec 24 Twp 6N Rge 2W County MCCLAIN

Spot Location of End Point: NW SW SE NW

Feet From: NORTH 1/4 Section Line: 2276

Feet From: WEST 1/4 Section Line: 1592

Depth of Deviation: 5550

Radius of Turn: 560

Direction: 1

Total Length: 8720

Measured Total Depth: 15150

True Vertical Depth: 7650

End Point Location from Lease,
Unit, or Property Line: 1592

Notes:

Category	Description
HYDRAULIC FRACTURING	1/8/2018 - 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
PENDING CD - 201708378	1/9/2018 - G60 - (I.O.) 24 & 25-6N-2W X660007 WDFD COMPL. INT. (25-6N-2W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (24-6N-2W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL BP AMERICA PROD. CO. REC. 1/2/18 (NORRIS)
PENDING CD - 201708380	1/9/2018 - G60 - (I.O.) 24 & 25-6N-2W EST MULTIUNIT HORIZONTAL WELL X660007 WDFD 40% 24-6N-2W 60% 25-6N-2W BP AMERICA PROD. CO. REC. 1/2/18 (NORRIS)

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.

087 22102 HOGUE 6N 2W 25 1HX

Category

Description

SPACING - 660007

1/9/2018 - G60 - (640)(HOR) 24 & 25-6N-2W
EST WDFD, OTHER
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

3508722102

S.H.L. Sec. 25-6N-2W I.M.
B.H.L. Sec. 24-6N-2W I.M.

Operator: BP AMERICA PRODUCTION COMPANY
Lease Name and No.: HOGUE 6N 2W 25 1HX
Footage: 289' FSL - 1572' FWL Gr. Elevation: 1123'
Section: 25 Township: 6N Range: 2W I.M.
County: McClain State of Oklahoma
Terrain at Loc.: Location fell on a hill with rolling terraces.



All bearings shown
are grid bearings.



1" = 1320'

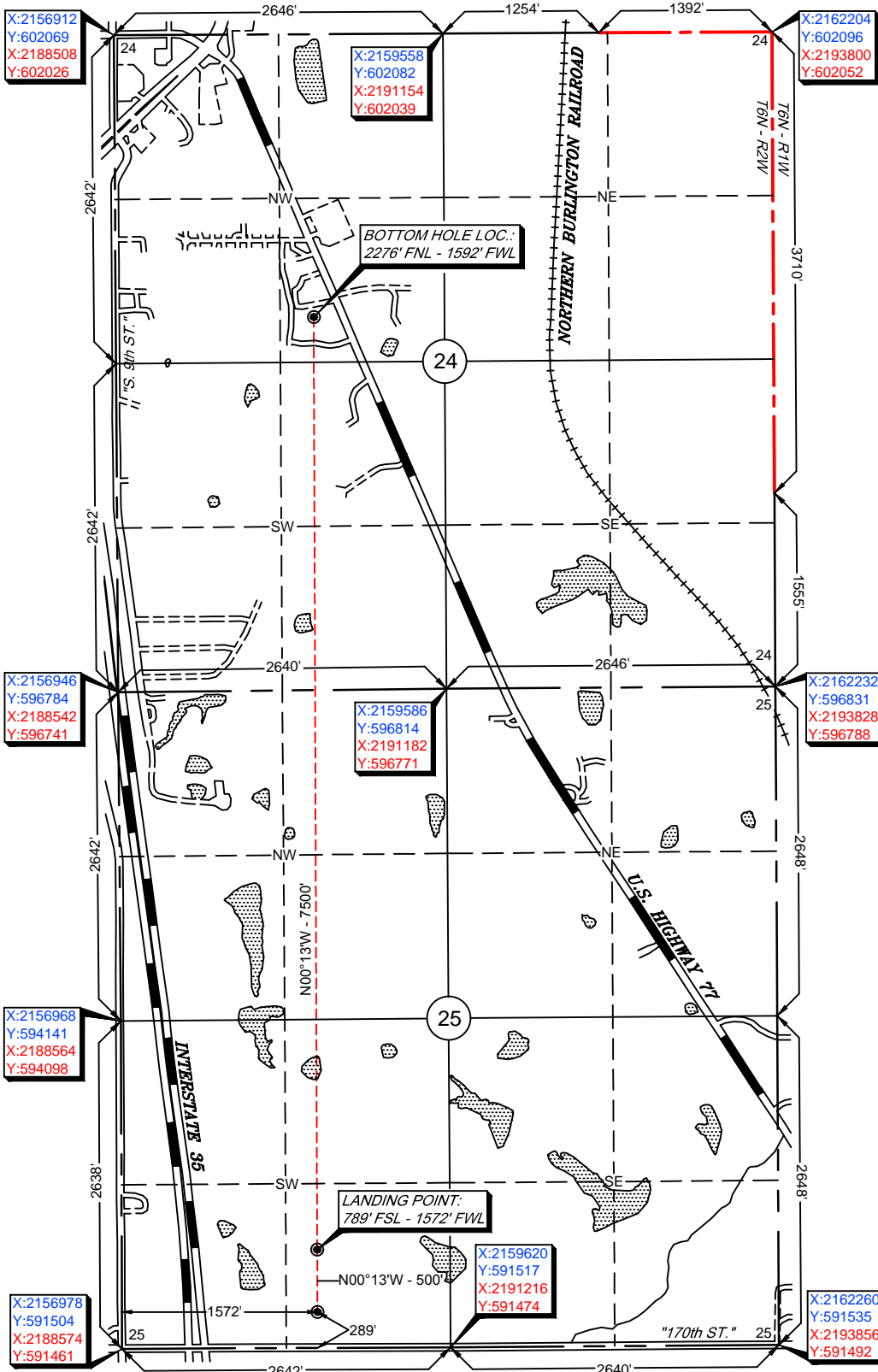
GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°57'28.26"N
Lon: 97°21'56.68"W
Lat: 34.95784970
Lon: -97.36574420
X: 2158548
Y: 591801
Surface Hole Loc.:
Lat: 34°57'27.99"N
Lon: 97°21'55.58"W
Lat: 34.95777639
Lon: -97.36543861
X: 2190145
Y: 591758
Landing Point:
Lat: 34°57'33.20"N
Lon: 97°21'56.66"W
Lat: 34.95922347
Lon: -97.36573994
X: 2158547
Y: 592301
Landing Point:
Lat: 34°57'32.94"N
Lon: 97°21'55.56"W
Lat: 34.95915020
Lon: -97.36543433
X: 2190143
Y: 592258
Bottom Hole Loc.:
Lat: 34°58'47.39"N
Lon: 97°21'56.43"W
Lat: 34.97983003
Lon: -97.36567597
X: 2158519
Y: 599801
Bottom Hole Loc.:
Lat: 34°58'47.13"N
Lon: 97°21'55.33"W
Lat: 34.97975730
Lon: -97.36537013
X: 2190115
Y: 599758



DRAFTING NOTE

THE EAST LINE AND NORTHEAST CORNER OF SECTION 24 DO NOT REPRESENT A TRUE BOUNDARY SURVEY.
NO RIVER SURVEY OF SECTION 24 HAS BEEN COMPLETED BY ARKOMA SURVEYING AND MAPPING.
FOOTAGES SHOWN ARE APPROXIMATE.

-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
Invoice #7483

Date Staked: 11/09/17 By: R.L.
Date Drawn: 11/14/17 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.

Lance G. Mathis
LANCE G. MATHIS

11/16/17

OK LPLS 1664

