

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

API NUMBER: 087 22104

Approval Date: 01/26/2018

Expiration Date: 07/26/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 6N Rge: 2W

County: MCCLAIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 283 269

Lease Name: BROWN 6N 2W 27

Well No: 1HX

Well will be 269 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

CINDY D MILLSAP  
210 W. COMANCHE  
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 WOODFORD	7437	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 660243

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800649  
201800650  
201800651

Special Orders:

Total Depth: 17500

Ground Elevation: 1176

**Surface Casing: 580**

Depth to base of Treatable Water-Bearing FM: 330

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: BISON

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is NON HSA

Pit Location Formation: BISON

## HORIZONTAL HOLE 1

Sec 22 Twp 6N Rge 2W County MCCLAIN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 528

Depth of Deviation: 6900

Radius of Turn: 382

Direction: 358

Total Length: 10000

Measured Total Depth: 17500

True Vertical Depth: 7500

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

### Notes:

#### Category

#### Description

#### HYDRAULIC FRACTURING

1/25/2018 - 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](http://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](http://FRACFOCUS.ORG)

#### PENDING CD - 201800651

1/26/2018 - G60 - (E.O.)(640)(HOR) 27-6N-2W  
VAC 450070 NW4 WDFD  
EXT 660056 WDFD  
COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL  
REC. 1/26/18 (P. PORTER)

#### PENDING CD - 20180649

1/26/2018 - G60 - (E.O.) 22 & 27-6N-2W  
X660243 (22-6N-2W) WDFD  
X201800651 (27-6N-2W) WDFD  
COMPL. INT. (27-6N-2W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL  
COMPL. INT. (22-6N-2W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL  
BP AMERICA PROD. CO.  
REC. 1/26/18 (P. PORTER)

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

087 22104 BROWN 6N 2W 27 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 - 20180650	1/26/2018 - G60 - (E.O.) 22 & 27-6N-2W EST MULTIUNIT HORIZONTAL WELL X660243 (22-6N-2W) WDFD X201800651 (27-6N-2W) WDFD 50% 27-6N-2W 50% 22-6N-2W BP AMERICA PROD. CO. REC. 1/26/18 (P. PORTER)
SPACING - 660243	1/26/2018 - G60 - (640)(HOR) 22-6N-2W EXT 635106 WDFD COMPL. INT. NCT 165' FNL/FSL, NCT 330' FEL/FWL



# Well Location Plat

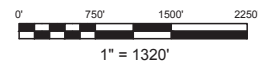
S.H.L. Sec. 27-6N-2W I.M.  
B.H.L. Sec. 22-6N-2W I.M.

Operator: BP AMERICA PRODUCTION COMPANY  
Lease Name and No.: BROWN 6N 2W 27 1HX  
Footage: 283' FSL - 269' FEL Gr. Elevation: 1176'  
Section: 27 Township: 6N Range: 2W I.M.  
County: McClain State of Oklahoma  
Terrain at Loc.: Location fell in a flat open pasture.

3508722104



All bearings shown  
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 34°57'28.14"N

Lon: 97°23'22.41"W

Lat: 34.95781665

Lon: -97.38955816

X: 2151413

Y: 591745

Surface Hole Loc.:

Lat: 34°57'27.88"N

Lon: 97°23'21.31"W

Lat: 34.95774367

Lon: -97.38925210

X: 2183009

Y: 591702

Landing Point:

Lat: 34°57'28.15"N

Lon: 97°23'23.53"W

Lat: 34.95781813

Lon: -97.39042411

X: 2151153

Y: 591744

Landing Point:

Lat: 34°57'27.88"N

Lon: 97°23'24.42"W

Lat: 34.95774516

Lon: -97.39011804

X: 2182750

Y: 591701

Bottom Hole Loc.:

Lat: 34°59'08.33"N

Lon: 97°23'25.58"W

Lat: 34.98564793

Lon: -97.39043822

X: 2151088

Y: 601872

Bottom Hole Loc.:

Lat: 34°59'08.07"N

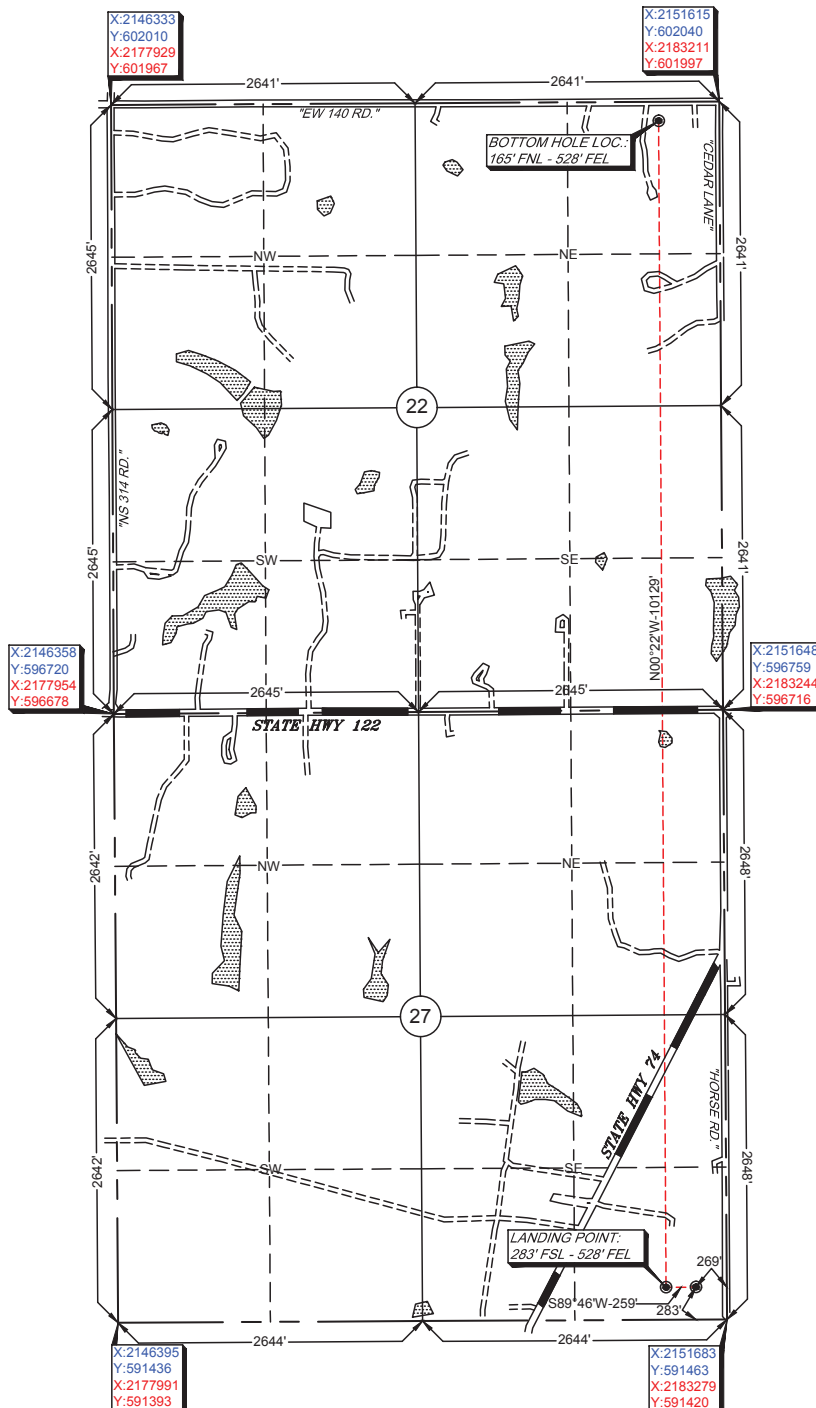
Lon: 97°23'24.47"W

Lat: 34.98557570

Lon: -97.39013184

X: 2182684

Y: 601829



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.

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.

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.

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 #7484-A

Date Staked: 11/09/17

By: R.L.

Date Drawn: 11/15/17

By: P.B.

## 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

01/08/18

OK LPLS 1664

