

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

API NUMBER: 087 22176

Approval Date: 08/28/2018

Expiration Date: 02/28/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 7N Rge: 3W

County: MCCLAIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 234 535

Lease Name: BANNER 6N 3W 1

Well No: 1H

Well will be 234 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

MICHAEL R. DRAIN
22428 BRYANT AVE
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 WOODFORD	8400	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 677750

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13400

Ground Elevation: 1147

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

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

PERMIT NO: 18-35165

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 01 Twp 6N Rge 3W County MCCLAIN

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 7810

Radius of Turn: 382

Direction: 181

Total Length: 4989

Measured Total Depth: 13400

True Vertical Depth: 8400

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

Notes:

Category

Description

COMPLETION INTERVAL

8/27/2018 - G57 - THE COMPLETION INTERVAL (FIRST PERFORATION TO LAST PERFORATION OR POINT OF ENTRY TO TERMINUS) FOR THE WOODFORD WILL BE GREATER THAN 165' FNL & FSL; GREATER THAN 330' FEL & FWL OF 1-6N-3W PER SPACING ORDER #677750

HYDRAULIC FRACTURING

8/21/2018 - 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

8/21/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 677750

8/27/2018 - G57 - (640)(HOR) 1-6N-3W
VAC 581216 WDFD W2 SE4
EXT 664736 WDFD
POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL
(COEXIST W/ SP. ORDER 581216 E2 SE4 WDFD)

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 22176 BANNER 6N 3W 1 1H



Well Location Plat

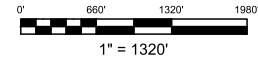
S.H.L. Sec. 36-7N-3W I.M.
B.H.L. Sec. 1-6N-3W I.M.

Operator: BP AMERICA PRODUCTION COMPANY
Lease Name and No.: BANNER 6N 3W 1 1H
Footage: 234' FSL - 535' FWL Gr. Elevation: 1147'
Section: 36 Township: 7N Range: 3W I.M.
County: McClain State of Oklahoma
Terrain at Loc.: Location fell in a native grass pasture.

API:087 22176



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 35°01'49.40"N

Lon: 97°28'30.23"W

Lat: 35.03038932

Lon: -97.47506486

X: 2125655

Y: 618014

Surface Hole Loc.:

Lat: 35°01'49.15"N

Lon: 97°28'29.12"W

Lat: 35.03031924

Lon: -97.47475617

X: 2157251

Y: 617971

Landing Point:

Lat: 35°01'45.45"N

Lon: 97°28'32.09"W

Lat: 35.02929292

Lon: -97.47558090

X: 2125502

Y: 617614

Landing Point:

Lat: 35°01'45.20"N

Lon: 97°28'30.98"W

Lat: 35.02922282

Lon: -97.47527222

X: 2157098

Y: 617571

Bottom Hole Loc.:

Lat: 35°00'56.11"N

Lon: 97°28'31.98"W

Lat: 35.01558611

Lon: -97.47555101

X: 2125537

Y: 612625

Bottom Hole Loc.:

Lat: 35°00'55.86"N

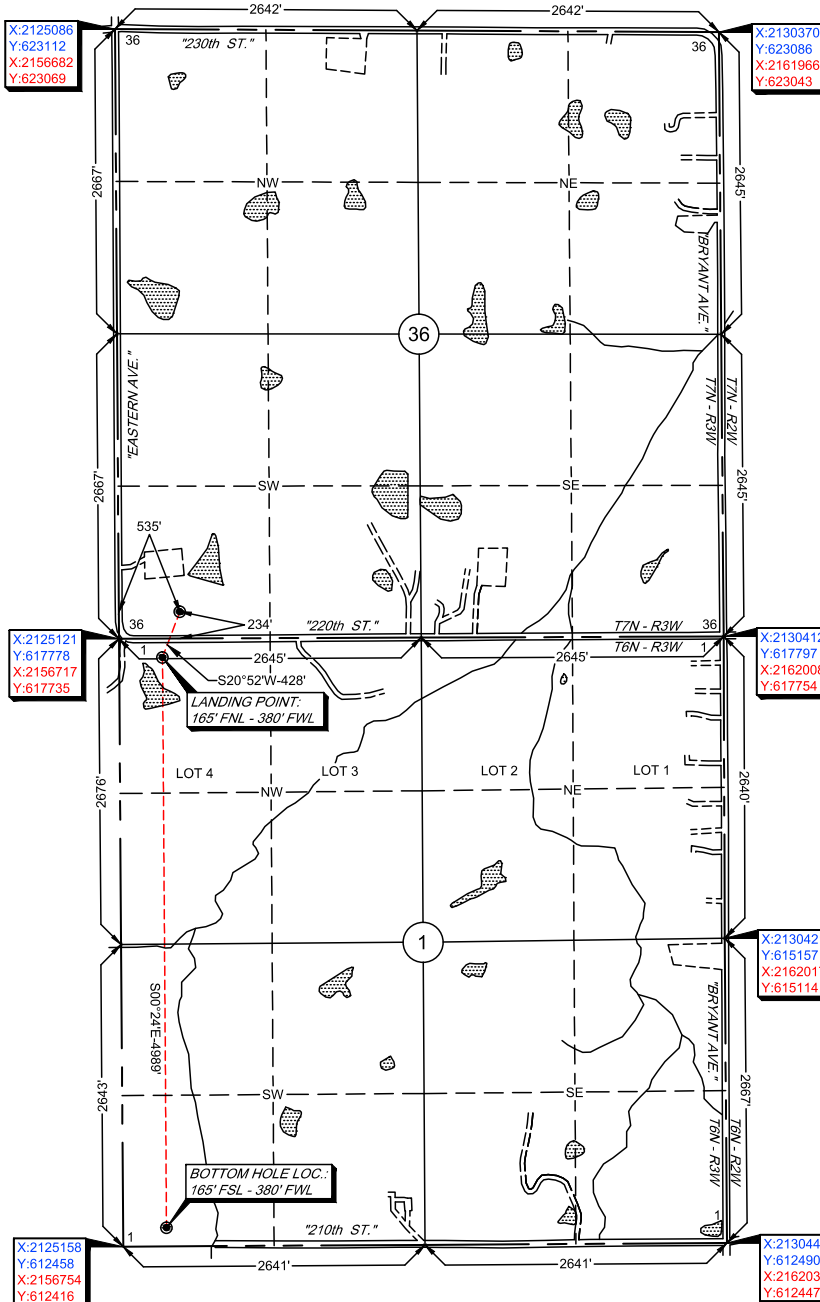
Lon: 97°28'30.87"W

Lat: 35.01551574

Lon: -97.47524256

X: 2157133

Y: 612583



-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, 2020

Invoice #8028

Date Staked: 08/02/18

By: R.L.

Date Drawn: 08/07/18

By: C.K.

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

08/09/18

OK LPLS 1664

