

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

API NUMBER: 087 22117 A

Approval Date: 03/19/2018  
Expiration Date: 09/19/2018

Horizontal Hole Oil & Gas

Amend reason: UPDATE SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 6N Rge: 1W

County: MCCLAIN

SPOT LOCATION:  SE  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 41 447

Lease Name: ROCKWOOD 6N 1W 31

Well No: 1HX

Well will be 41 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

JAMES WILLIAM & NADINE MAYNARD  
1026 WOODBROOK DRIVE  
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 WOODFORD	6950	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658401  
658396  
678627

Location Exception Orders: 678279

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17300

Ground Elevation: 1086

**Surface Casing: 390**

Depth to base of Treatable Water-Bearing FM: 140

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-34081

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 06 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: 6700

Radius of Turn: 382

Direction: 185

Total Length: 10000

Measured Total Depth: 17300

True Vertical Depth: 7100

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/13/2018 - 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)

LOCATION EXCEPTION - 678279

3/19/2018 - G57 - (I.O.) 31-6N-1W, 6-5N-1W

X658396 WDFD 31-6N-1W

X658401 WDFD 6-5N-1W

COMPL. INT. (31-6N-1W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL

COMPL. INT. (6-5N-1W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL

NO OP. NAMED

5-24-2018

MEMO

3/13/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 658396

3/19/2018 - G57 - (640)(HOR) 31-6N-1W

EST WDFD, OTHERS

POE TO BHL NCT 165' FNL & FSL, NCT 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.

087 22117 ROCKWOOD 6N 1W 31 1HX

Category	Description
SPACING - 658401	3/19/2018 - G57 - (640)(HOR) 6-5N-1W EST WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 678627	3/19/2018 - G57 - (I.O.) 31-6N-1W, 6-5N-1W EST MULTIUNIT HORIZONTAL WELL X658396 WDFD 31-6N-1W X658401 WDFD 6-5N-1W 50% 31-6N-1W 50% 6-5N-1W NO OP. NAMED 6-1-2018

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.



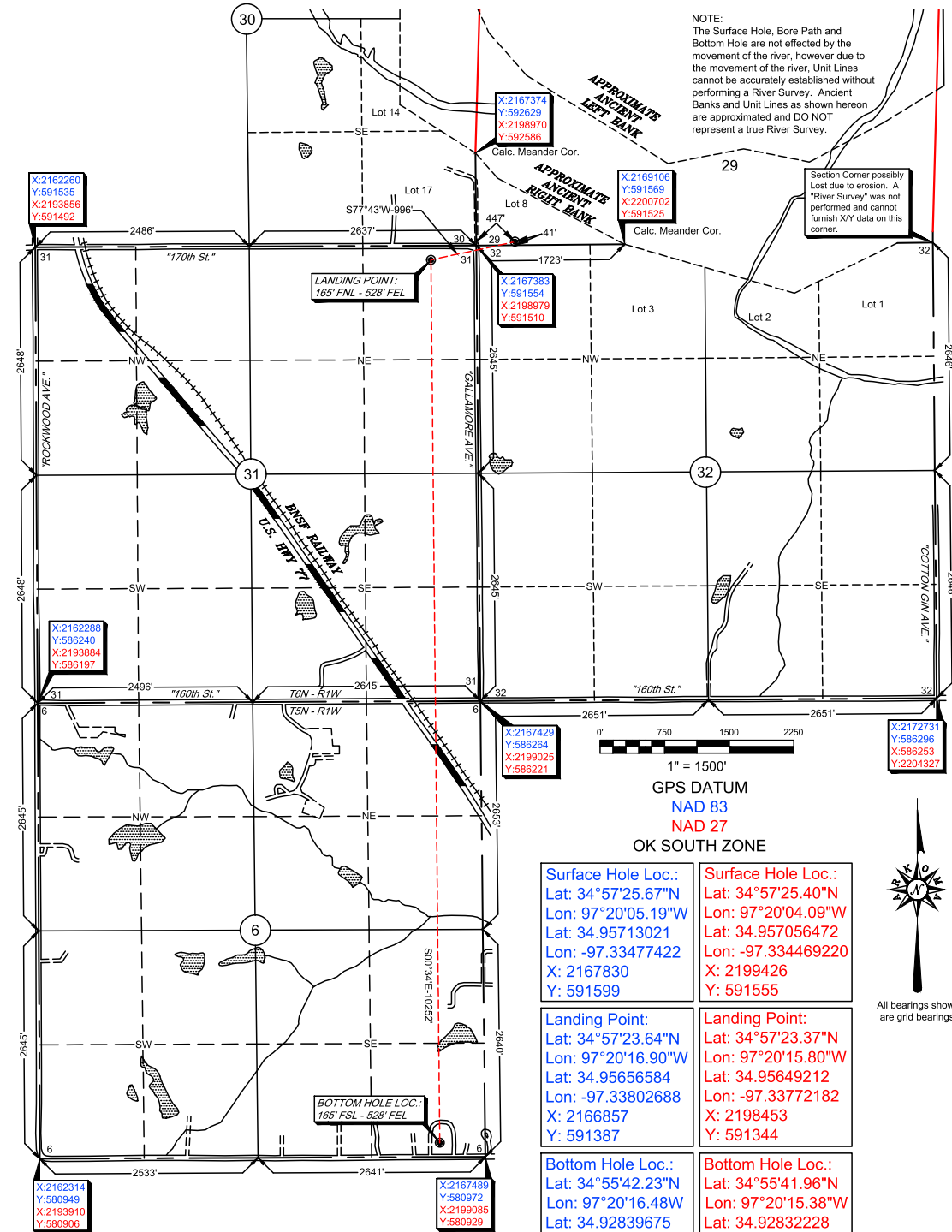
# Well Location Plat

S.H.L. Sec. 29-6N-1W I.M.  
B.H.L. Sec. 6-5N-1W I.M.

Operator: BP AMERICA PRODUCTION COMPANY  
Lease Name and No.: ROCKWOOD 6N 1W 31 1HX  
Footage: 41' FSL - 447' FWL Gr. Elevation: 1086'  
Section: 29 Township: 6N Range: 1W I.M.  
County: McClain State of Oklahoma

API:087 22117

Terrain at Loc.: Location fell in a large, sloping cow pasture.



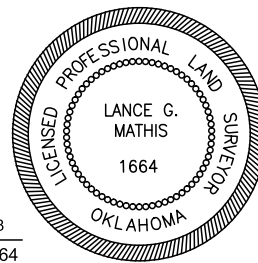
-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.  
-NOTE: 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  
OK LPLS 1664



Invoice #7593-A  
Date Staked: 02/12/18 By: J.L.  
Date Drawn: 02/13/18 By: K.B.

06/12/18

OK LPLS 1664