

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

API NUMBER: 087 22181

Approval Date: 10/05/2018

Expiration Date: 04/05/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 7N Rge: 2W

County: MCCLAIN

SPOT LOCATION: ☐ SE ☐ NE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 753 1233

Lease Name: PARKER 7N 2W 33

Well No: 4HX

Well will be 753 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

4H FAMILY REVOCABLE TRUST
24104 230TH STREET
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 WOODFORD	7600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 652167

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807220
201807219
201806772
201806774

Special Orders:

Total Depth: 17600

Ground Elevation: 1099

Surface Casing: 460

Depth to base of Treatable Water-Bearing FM: 210

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 BED AQUIFER

Pit Location Formation: PURCELL

D. One time land application -- (REQUIRES PERMIT)
H. SEE MEMO

PERMIT NO: 18-35267

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 BED AQUIFER

Pit Location Formation: PURCELL

HORIZONTAL HOLE 1

Sec 04 Twp 6N Rge 2W County MCCLAIN

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1056

Depth of Deviation: 6724

Radius of Turn: 382

Direction: 181

Total Length: 10276

Measured Total Depth: 17600

True Vertical Depth: 7600

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/2/2018 - G57 - 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

10/2/2018 - G57 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WALNUT CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201806772

10/2/2018 - G57 - 33-7N-2W
X652167 WDFD
4 WELLS
NO OP. NAMED
REC 9-10-2018 (DENTON)

PENDING CD - 201806774

10/2/2018 - G57 - 4-6N-2W
X652167 WDFD
4 WELLS
NO OP. NAMED
REC 9-10-2018 (DENTON)

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

087 22181 PARKER 7N 2W 33 4HX

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 - 201807219	10/2/2018 - G57 - (E.O.) 33-7N-2W & 4-6N-2W X652167 WDFD COMPL. INT. (33-7N-2W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (4-6N-2W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 10-2-2018 (JACKSON)
PENDING CD - 201807220	10/2/2018 - G57 - (E.O.) 33-7N-2W & 4-6N-2W EST MULTIUNIT HORIZONTAL WELL X652167 WDFD 50% 33-7N-2W 50% 4-6N-2W BP AMERICA PRODUCTION COMPANY REC 10-2-2018 (JACKSON)
SPACING - 652167	10/2/2018 - G57 - (640)(HOR) 33-7N-2W & 4-6N-2W 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.



Well Location Plat

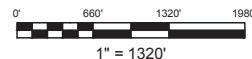
Operator: BP AMERICA PRODUCTION COMPANY
 Lease Name and No.: PARKER 7N 2W 33 4HX
 Footage: 753' FSL - 1233' FWL Gr. Elevation: 1099'
 Section: 28 Township: 7N Range: 2W I.M.
 County: McClain State of Oklahoma
 Terrain at Loc.: Location fell in timber with a pipeline to the West.

API:087 22181

S.H.L. Sec. 28-7N-2W I.M.
 B.H.L. Sec. 4-6N-2W I.M.



All bearings shown
 are grid bearings.



GPS DATUM
 NAD 83
 NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
 Lat: 35°02'46.91"N
 Lon: 97°25'11.79"W
 Lat: 35.04636258
 Lon: -97.41994141
 X: 2142124
 Y: 623918

Surface Hole Loc.:
 Lat: 35°02'46.65"N
 Lon: 97°25'10.68"W
 Lat: 35.04629206
 Lon: -97.41963359
 X: 2173720
 Y: 623875

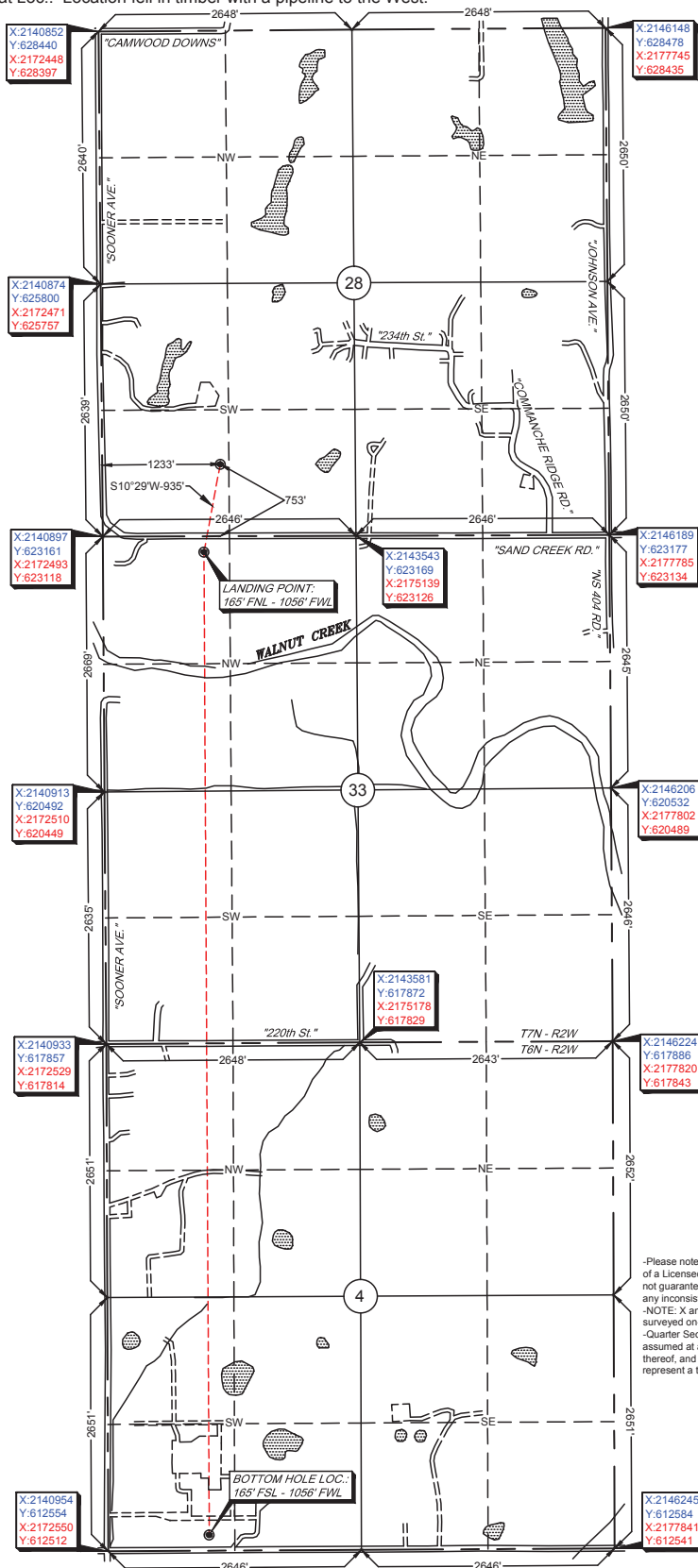
Landing Point:
 Lat: 35°02'37.83"N
 Lon: 97°25'13.90"W
 Lat: 35.04384039
 Lon: -97.42052695
 X: 2141954
 Y: 622999

Landing Point:
 Lat: 35°02'37.57"N
 Lon: 97°25'12.79"W
 Lat: 35.04376983
 Lon: -97.42021916
 X: 2173550
 Y: 622956

Bottom Hole Loc.:
 Lat: 35°00'56.21"N
 Lon: 97°25'13.94"W
 Lat: 35.01561293
 Lon: -97.42053962
 X: 2142009
 Y: 612725

Bottom Hole Loc.:
 Lat: 35°00'55.95"N
 Lon: 97°25'12.84"W
 Lat: 35.01554181
 Lon: -97.42023226
 X: 2173605
 Y: 612682

-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

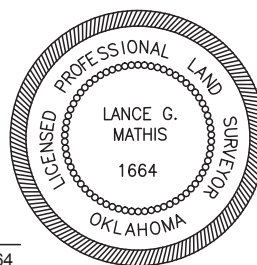
Certification:

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

08/24/18

OK LPLS 1664



Invoice #8077-B
 Date Staked: 08/16/18 By: J.W.
 Date Drawn: 08/20/18 By: C.K.