

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

API NUMBER: 121 24791

Approval Date: 06/30/2017  
Expiration Date: 12/30/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 3N Rge: 12E County: PITTSBURG  
SPOT LOCATION:  NE  SE  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 546 1330

Lease Name: RESH Well No: 2-8H Well will be 546 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

KEVIN C. AND SANDRA M. BOYER  
486 POWELL RD  
STUART OK 74570

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8763	6	
2	WOODFORD	9154	7	
3			8	
4			9	
5			10	

Spacing Orders: 546851 Location Exception Orders: 664943 Increased Density Orders: 664962

Pending CD Numbers:

Special Orders:

Total Depth: 14500 Ground Elevation: 813 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 480

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: 8000 Average: 5000

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: BOGGY

Approved Method for disposal of Drilling Fluids:

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

H. 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: BOGGY

HORIZONTAL HOLE 1

Sec 08 Twp 3N Rge 12E County PITTSBURG
Spot Location of End Point: SE SE SW SE
Feet From: SOUTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 1330
Depth of Deviation: 8633
Radius of Turn: 578
Direction: 180
Total Length: 4959
Measured Total Depth: 14500
True Vertical Depth: 9763
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, INCREASED DENSITY - 664962, LOCATION EXCEPTION - 664943, and SPACING - 546851.

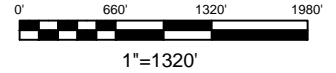
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.



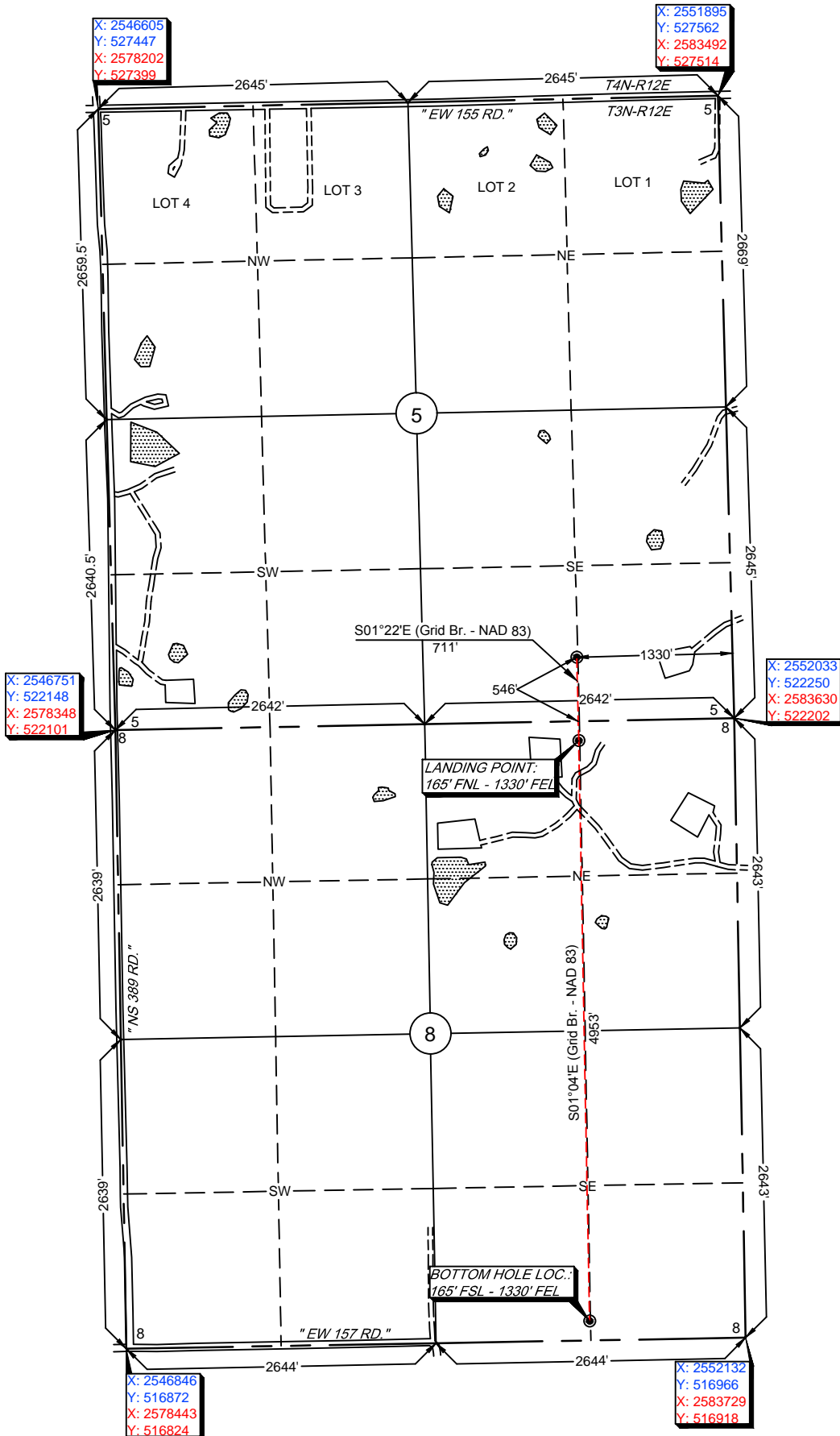
# Well Location Plat

S.H.L. Sec. 5-3N-12E I.M.  
B.H.L. Sec. 8-3N-12E I.M.

Operator: BP AMERICA PRODUCTION COMPANY 3512123791  
Lease Name and No. : RESH 2-8H  
Footage : 546' FSL - 1330' FEL GR. ELEVATION : 813' Good Site? YES  
Section: 5 Township: 3N Range: 12E I.M.  
County : Pittsburg State of Oklahoma  
Alternate Loc.: N/A  
Terrain at Loc. : Location fell in an open pasture that slopes down.



GPS DATUM  
NAD 83  
OK SOUTH ZONE  
GPS DATUM  
NAD 27  
OK SOUTH ZONE



Surface Hole Loc.:  
Lat: 34.75445993  
Lon: -96.06167252  
X: 2550690  
Y: 522770

Surface Hole Loc.:  
Lat: 34.75436572  
Lon: -96.06139663  
X: 2582287  
Y: 522722

Landing Point:  
Lat: 34.75250663  
Lon: -96.06166150  
X: 2550707  
Y: 522059

Landing Point:  
Lat: 34.75241239  
Lon: -96.06138564  
X: 2582304  
Y: 522012

Bottom Hole Loc.:  
Lat: 34.73889674  
Lon: -96.06167099  
X: 2550799  
Y: 517107

Bottom Hole Loc.:  
Lat: 34.73880253  
Lon: -96.06139540  
X: 2582396  
Y: 517060

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 #7128  
Date Staked : 05/11/17 By : H.S.  
Date Drawn : 05/15/17 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 05/17/17  
OK LPLS 1664

