

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

API NUMBER: 087 22112

Approval Date: 03/05/2018

Expiration Date: 09/05/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 6N Rge: 2W

County: MCCLAIN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 285 1602

Lease Name: NORTON 6N 2W 36

Well No: 1HX

Well will be 285 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

BILL & LINDA HOGUE
3118 S. 9TH
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 WOODFORD	5990	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801539
201801541
201801540
201801542

Special Orders:

Total Depth: 17500

Ground Elevation: 1121

Surface Casing: 610

Depth to base of Treatable Water-Bearing FM: 360

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 located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: PURCELL

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 located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: PURCELL

HORIZONTAL HOLE 1

Sec 01 Twp 5N Rge 2W County MCCLAIN

Spot Location of End Point: SW SW SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1576

Depth of Deviation: 5864

Radius of Turn: 875

Direction: 181

Total Length: 10262

Measured Total Depth: 17500

True Vertical Depth: 7200

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

Notes:

Category

Description

HYDRAULIC FRACTURING

2/27/2018 - 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

PENDING CD - 201801539

2/28/2018 - G57 - (E.O.)(640)(HOR) 1-5N-2W
EXT 658396 WDFD
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
(COEXIST WITH SP. ORDER #590464 WDFD NE4)
REC 3-2-2018 (P.PORTER)

PENDING CD - 201801540

2/28/2018 - G57 - (E.O.) 36-6N-2W & 1-5N-2W
EST MULTIUNIT HORIZONTAL WELL
X201801541 WDFD 36-6N-2W
X201801539 WDFD 1-5N-2W
50% 36-6N-2W
50% 1-5N-2W
BP AMERICA PRODUCTION COMPANY
REC 3-2-2018 (P.PORTER)

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

087 22112 NORTON 6N 2W 36 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 - 201801541	2/28/2018 - G57 - (E.O.)(640)(HOR) 36-6N-2W VAC 604356 WDFD N2 SE4 VAC 616661 WDFD W2 EXT 658396 WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST WITH SP. ORDER 604356 WDFD S2 SE4) REC 3-2-2018 (P. PORTER)
PENDING CD - 201801542	2/28/2018 - G57 - (E.O.) 36-6N-2W & 1-5N-2W X201801541 WDFD 36-6N-2W X201801539 WDFD 1-5N-2W COMPL. INT. (36-6N-2W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (1-5N-2W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 3-2-2018 (P.PORTER)



Well Location Plat

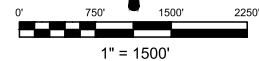
S.H.L. Sec. 25-6N-2W I.M.
B.H.L. Sec. 1-5N-2W I.M.

Operator: BP AMERICA PRODUCTION COMPANY
Lease Name and No.: NORTON 6N 2W 36 1HX
Footage: 285' FSL - 1602' FWL Gr. Elevation: 1121'
Section: 25 Township: 6N Range: 2W I.M.
County: McClain State of Oklahoma
Terrain at Loc.: Location fell on existing level pad site.

API: 087 22112



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°57'28.22"N
Lon: 97°21'56.31"W
Lat: 34.95783847
Lon: -97.36564131
X: 2158579
Y: 591797

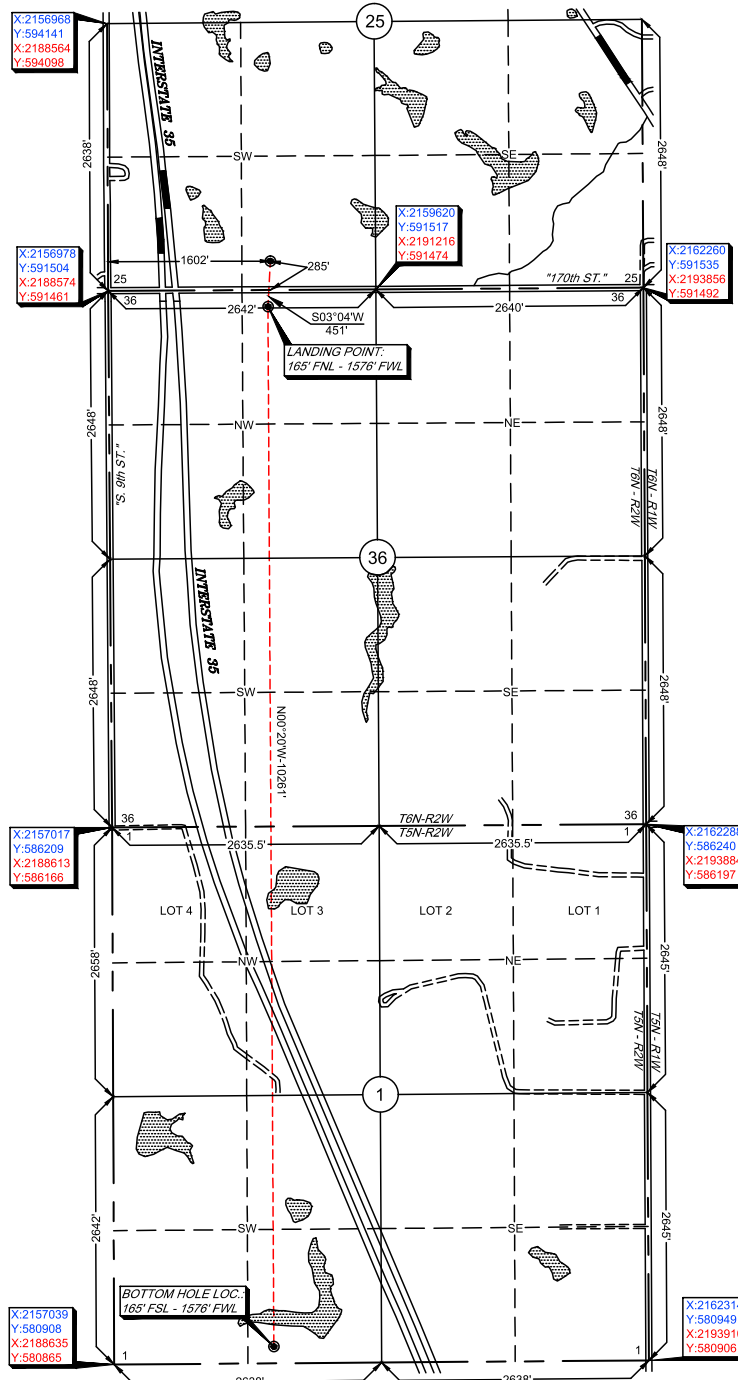
Surface Hole Loc.:
Lat: 34°57'27.95"N
Lon: 97°21'55.21"W
Lat: 34.95776516
Lon: -97.36533571
X: 2190175
Y: 591754

Landing Point:
Lat: 34°57'23.77"N
Lon: 97°21'56.63"W
Lat: 34.95660190
Lon: -97.36573138
X: 2158555
Y: 591347

Landing Point:
Lat: 34°57'23.50"N
Lon: 97°21'55.53"W
Lat: 34.95652856
Lon: -97.36542579
X: 2190151
Y: 591304

Bottom Hole Loc.:
Lat: 34°55'42.27"N
Lon: 97°21'56.70"W
Lat: 34.92840844
Lon: -97.36575055
X: 2158614
Y: 581086

Bottom Hole Loc.:
Lat: 34°55'42.00"N
Lon: 97°21'55.60"W
Lat: 34.92833434
Lon: -97.36544528
X: 2190210
Y: 581042



-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 #7483-A

Date Staked: 02/08/18

By: D.A.

Date Drawn: 02/08/18

By: R.M.

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

02/08/18

OK LPLS 1664

