

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

API NUMBER: 029 21349

Approval Date: 12/22/2016
Expiration Date: 06/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 2N Rge: 11E County: COAL
SPOT LOCATION: NE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 492 847

Lease Name: JOLENE Well No: 4-26HR Well will be 492 feet from nearest unit or lease boundary.

Operator Name: BP AMERICA PRODUCTION COMPANY Telephone: 2813666973; 2813666 OTC/OCC Number: 1640 0

BP AMERICA PRODUCTION COMPANY
737 N ELDRIDGE PKWY
HOUSTON, TX 77079-4411

EWING DOWNEN, TRUSTEE
RR. 1, BOX 635
COLGATE OK 74538

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

Name	Depth	Name	Depth
1 WOODFORD	11347	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 530325 Location Exception Orders: 657472 Increased Density Orders: 657502

Pending CD Numbers:

Special Orders:

Total Depth: 16750 Ground Elevation: 636 **Surface Casing: 400** Depth to base of Treatable Water-Bearing FM: 290

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. PIT 2- MIN. 20-MIL LINER REQUIRED, OBM TO VENDOR, OBM CUTTINGS 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 26 Twp 2N Rge 11E County COAL
 Spot Location of End Point: SW SE SW SE
 Feet From: SOUTH 1/4 Section Line: 201
 Feet From: EAST 1/4 Section Line: 1763
 Depth of Deviation: 10675
 Radius of Turn: 900
 Direction: 185
 Total Length: 4661
 Measured Total Depth: 16750
 True Vertical Depth: 11600
 End Point Location from Lease,
 Unit, or Property Line: 201

Additional Surface Owner	Address	City, State, Zip
DONNA DOWNEN, TRUSTEE	ROUTE 1, BOX 635	COLGATE, OK 74538

Notes:

Category	Description
HYDRAULIC FRACTURING	12/22/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.
INCREASED DENSITY - 657502	12/22/2016 - G75 - 26-2N-11E X530325 WDFD 4 WELLS BP AMERICA PROD. CO. 11-2-2016
LOCATION EXCEPTION - 657472	12/22/2016 - G75 - (I.O.) 26-2N-11E X530325 WDFD, OTHERS COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL BP AMERICA PROD. CO. 11-1-2016
SPACING - 530325	12/22/2016 - G75 - (640) 26-2N-11E EXT 511199 WDFD, OTHERS

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 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. 23-2N-11E I.M.
B.H.L. Sec. 26-2N-11E I.M.

API 029-21349

Operator : BP AMERICA PRODUCTION COMPANY

Lease Name and No. : JOLENE 4-26HR

Footage : 492' FSL - 847' FEL PAD ELEVATION: 636' Good Site? YES

Section : 23 Township : 2N Range : 11E I.M.

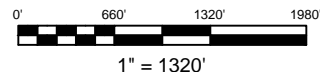
County : Coal State of Oklahoma

Alternate Loc. : See Dwg. #6457-C for Alt. #1 & Dwg. #6457-E for Alt. #2.

Terrain at Loc. : Location fell in open pasture, ±450' North of an existing E-W MarkWest P/L.

Accessibility : From the South.

Directions : From the junction of State Hwy 31 & State Hwy 131, Northeast of Coalgate, OK, go 1.2 miles Northeast on Hwy 131, go 1.9 miles North on "Bill Ward Rd." to the entrance of an existing lease road on the East side of the road near the Southwest Corner of Section 23-2N-11E.



Surface location adjusted on plats 12-22, not staked in field. Please call Arkoma Surveying to reset at correct footage prior to setting conductor pipe.

GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°37'24.55"N
Lon: 96°06'44.79"W
X: 2536334
Y: 474823

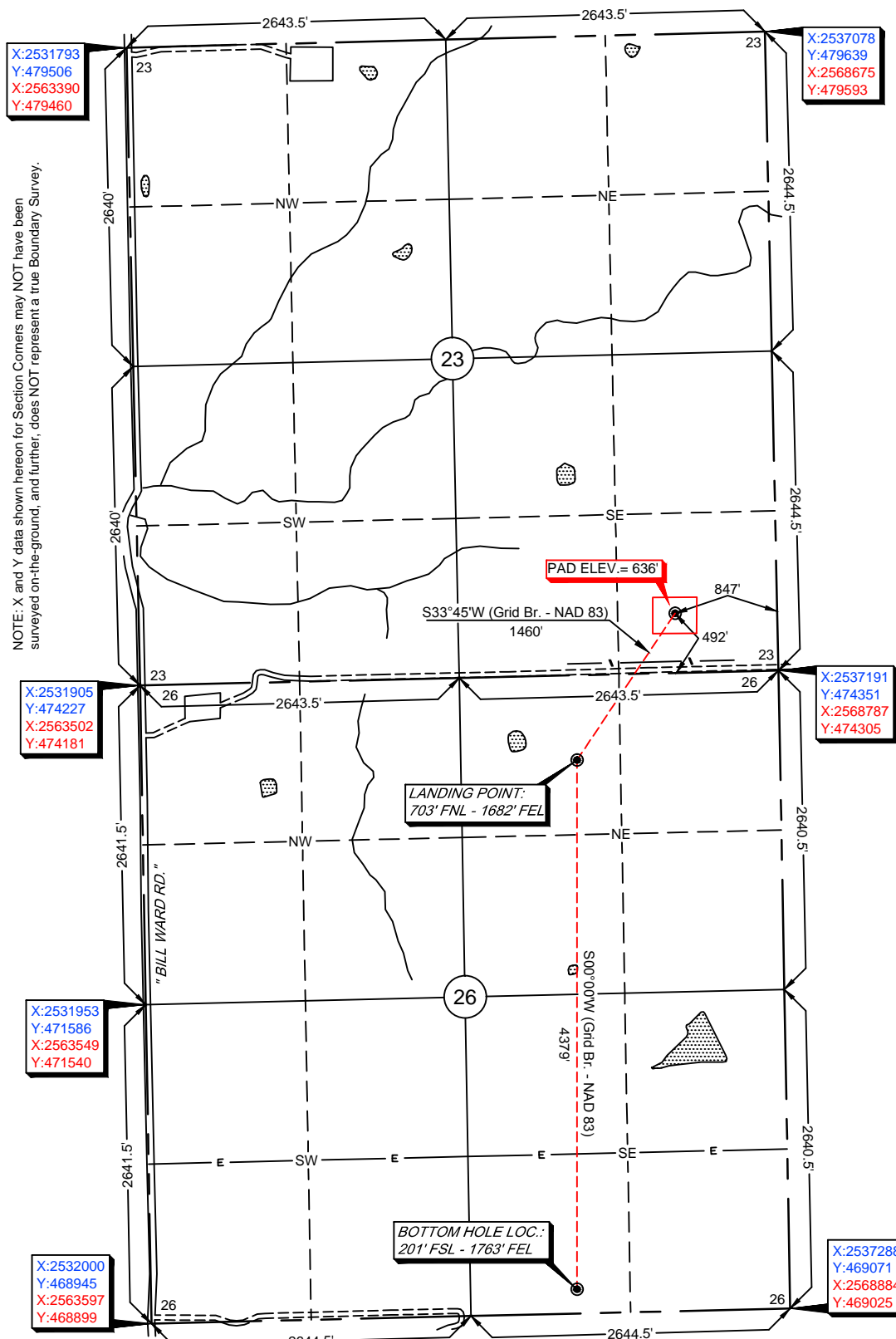
Surface Hole Loc.:
Lat: 34°37'24.21"N
Lon: 96°06'43.81"W
X: 2567930
Y: 474777

Landing Point:
Lat: 34°37'12.69"N
Lon: 96°06'54.77"W
X: 2535522
Y: 473609

Landing Point:
Lat: 34°37'12.35"N
Lon: 96°06'53.78"W
X: 2567119
Y: 473563

Bottom Hole Loc.:
Lat: 34°36'29.38"N
Lon: 96°06'55.76"W
X: 2535522
Y: 469230

Bottom Hole Loc.:
Lat: 34°36'29.04"N
Lon: 96°06'54.77"W
X: 2567118
Y: 469184



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.

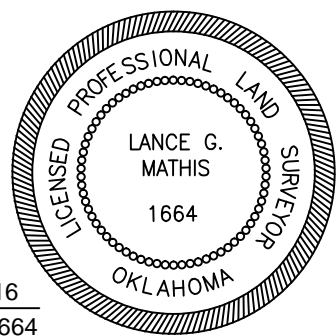
Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

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.

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
LANCE G. MATHIS 12/28/16
OK LPLS 1664



Invoice #6457-A
Date Staked : 06/28/16 By : H.S.
Date Drawn : 07/01/16 By : K.M.
Lease Name Change : 08/11/16 By : R.S.
Moved SHL 30' South : 12/22/16 By : R.S.
Added Pad Elevation : 12/28/16 By : R.S.