



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

August 8, 2016
PERMIT MODIFICATION APPROVAL
Horizontal 6A / Horizontal 6A Well - 1

JAY-BEE OIL & GAS, INC.
1720 RT. 22 E

UNION, NJ 070830000

Re: Permit Modification Approval for SLEEPY 5
47-095-02145-00-00

Modified Lateral after Drilling

JAY-BEE OIL & GAS, INC.

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: SLEEPY 5
Farm Name: WEIMER, BRENT A. & EMMA
U.S. WELL NUMBER: 47-095-02145-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Issued: August 8, 2016

Promoting a healthy environment.

09/16/2016

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
T3036	Mary Gwen Tustin	Jay Bee Production Company	12.5%	390-838
T3076C	Mary Gwen Tustin	Jay Bee Production Company	12.5%	390-838
T3076B	Sharon Kay Bryant	JB Exploration I, LLC	12.5%	406-746
T3208A	John Lambert Ice	JB Exploration I, LLC	12.5%	421-349
T3207A	Harry Ice Kennedy	JB Exploration I, LLC	12.5%	431-294
T3207B	Willis Nigh	JB Exploration I, LLC	12.5%	421-321

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

Received
Office of Oil & Gas
JUL 05 2016

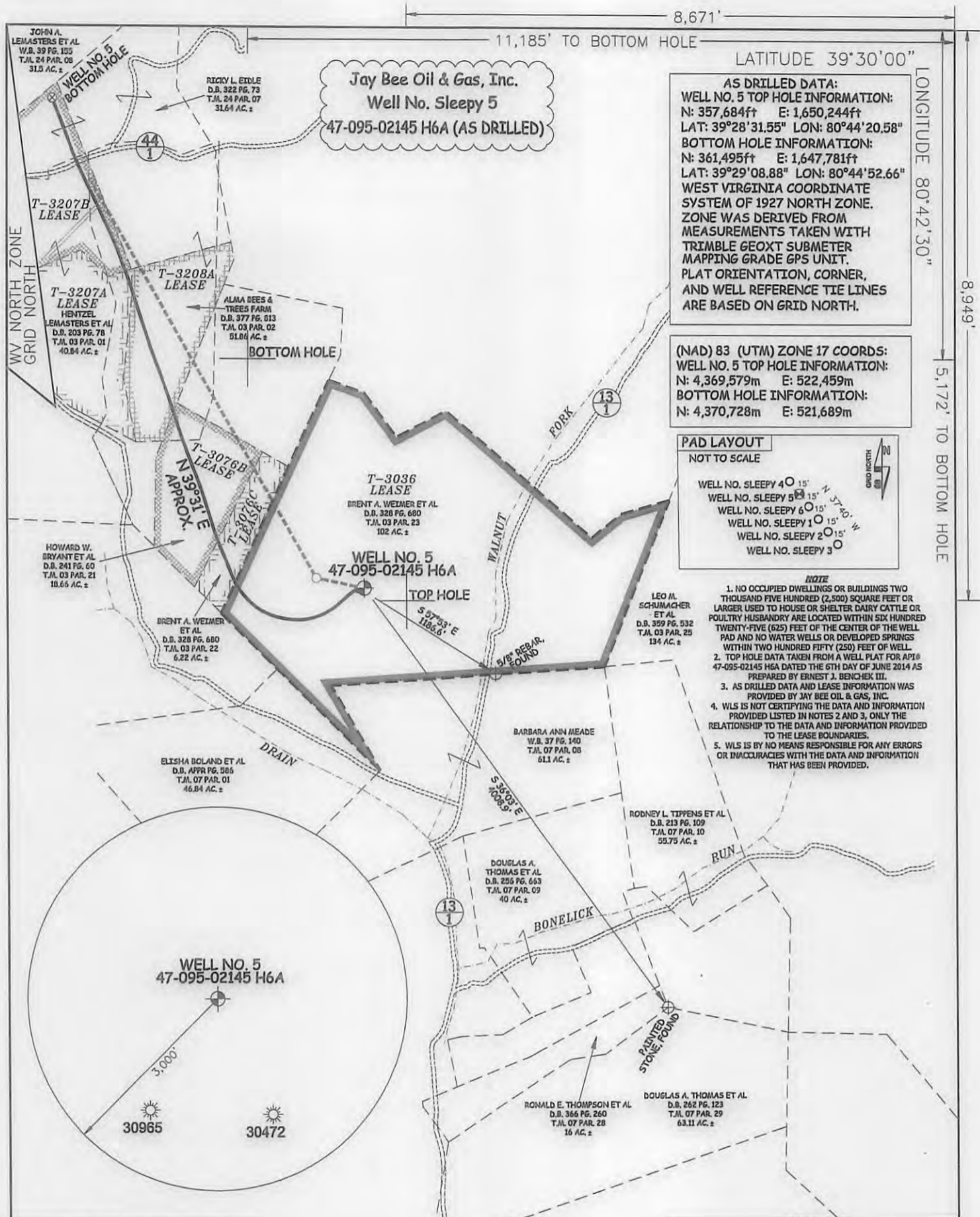
The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Jay-Bee Oil & Gas, Inc

By: Shane Dowell

Its: Office Manager

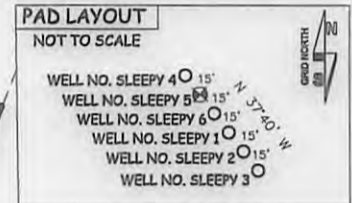




Jay Bee Oil & Gas, Inc.
Well No. Sleepy 5
47-095-02145 H6A (AS DRILLED)

AS DRILLED DATA:
WELL NO. 5 TOP HOLE INFORMATION:
 N: 357,684ft E: 1,650,244ft
 LAT: 39°28'31.55" LON: 80°44'20.58"
BOTTOM HOLE INFORMATION:
 N: 361,495ft E: 1,647,781ft
 LAT: 39°29'08.88" LON: 80°44'52.66"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL NO. 5 TOP HOLE INFORMATION:
 N: 4,369,579m E: 522,459m
BOTTOM HOLE INFORMATION:
 N: 4,370,728m E: 521,689m



- NOTE**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD AND NO WATER WELLS OR DEVELOPED SPRINGS WITHIN TWO HUNDRED FIFTY (250) FEET OF WELL.
 2. TOP HOLE DATA TAKEN FROM A WELL PLAT FOR API# 47-095-02145 H6A DATED THE 6TH DAY OF JUNE 2014 AS PREPARED BY ERNEST J. BENCHEK III.
 3. AS DRILLED DATA AND LEASE INFORMATION WAS PROVIDED BY JAY BEE OIL & GAS, INC.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3. ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # **JAYBEESLEEPY5**
 DRAWING # **SLEEPY5H**
 SCALE **1" = 1000'**
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- ⊕ Found monument, as noted
- ⊗ Proposed Well Path
- ⊗ As Drilled Well Path

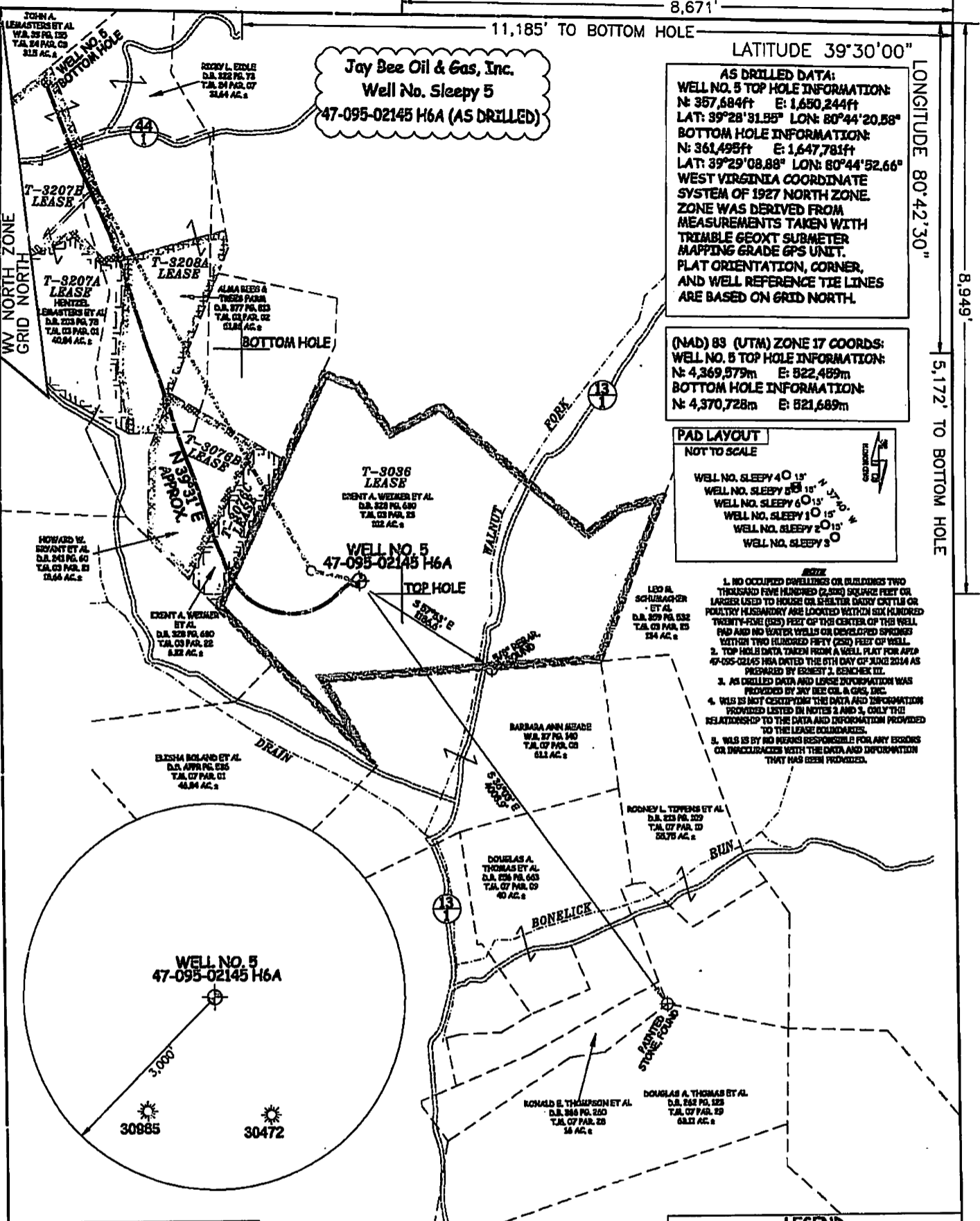
DATE **03/21/16**
 OPERATOR'S WELL# **SLEEPY 5**
As Drilled

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL **47 - 095 - 02145 H6A**
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION **1,120'** WATERSHED **OUTLET MIDDLE ISLAND CREEK** COUNTY **TYLER**
 QUADRANGLE **SHIRLEY 7.5'** DISTRICT **MCELROY** COUNTY **TYLER**
 SURFACE OWNER **BRENT A. WEIMER ET AL** ACREAGE **102 ACRES +/-**
 OIL & GAS ROYALTY OWNER **T-3036; T-3076C; T-3076B; T-3208A; T-3207A; T-3207B** LEASE ACREAGE **102 ACRES+; 6.22 ACRES+; 18 ACRES+; 16 ACRES+; 76.5 ACRES+; 28.13 ACRES+**

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **(X) AS DRILLED** PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,936' TVD 11,816' MD**
 WELL OPERATOR **JAY BEE OIL & GAS, INC.** DESIGNATED AGENT **RANDY BRODA**
 ADDRESS **1720 ROUTE 22** ADDRESS **ROUTE 1, BOX 5**
EAST UNION, NJ 07083 **CAIRO, WV 26337**

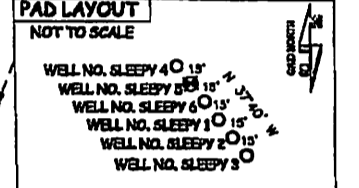
COUNTY NAME
 PERMIT



Jay Bee Oil & Gas, Inc.
Well No. Sleepy 5
47-095-02145 H6A (AS DRILLED)

AS DRILLED DATA:
WELL NO. 5 TOP HOLE INFORMATION:
 N: 357,584ft E: 1,650,244ft
 LAT: 39°28'31.95" LON: 80°44'20.58"
BOTTOM HOLE INFORMATION:
 N: 361,493ft E: 1,647,781ft
 LAT: 39°29'08.88" LON: 80°44'52.66"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL NO. 5 TOP HOLE INFORMATION:
 N: 4,369,579m E: 822,489m
BOTTOM HOLE INFORMATION:
 N: 4,370,728m E: 821,689m



- NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THIS WELL PAD AND NO OTHER WELLS OR DEVELOPED SPACES WITHIN TWO HUNDRED FIFTY (250) FEET OF WELL.
- TOP HOLE DATA TAKEN FROM A WELL PLAT FOR AREA 47-095-02145 H6A DATED THE 04TH DAY OF JUNE 2014 AS PREPARED BY ERNEST J. BENCHER III.
- AS DRILLED DATA AND LOGS INFORMATION WAS PROVIDED BY JAY BEE OIL & GAS, INC.
- WELL IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE OWNERS.
- WELL IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR DISCREPANCIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # **JAYBEESLEEPY5**
 DRAWING # **SLEEPY5H**
 SCALE **1" = 1000'**
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 ⊕ Found monument, as noted
 ○ Proposed Well Path
 ⊙ As Drilled Well Path

DATE **03/21/16**
 OPERATOR'S WELL # **SLEEPY 5**

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02145
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION **1,120'** WATERSHED **OUTLET MIDDLE ISLAND CREEK**
 QUADRANGLE **SHIRLEY 7.5** DISTRICT **MCELROY** COUNTY **TYLER**
 SURFACE OWNER **BRENT A. WEIMER ET AL** ACREAGE **102 ACRES +/-** **05/16/2016**
 OIL & GAS ROYALTY OWNER **T-3036; T-3076C; T-3076B; T-3208A; T-3207A; T-3207B** LEASE ACREAGE **102 ACRES +/- 6.22 ACRES +/- 18 ACRES +/- 16 ACRES +/- 79.5 ACRES +/- 28.13 ACRES +/-**

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **(X) AS DRILLED** PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,938' TVD 11,816' MD**
 WELL OPERATOR **JAY BEE OIL & GAS, INC.** DESIGNATED AGENT **RANDY BRODA**
 ADDRESS **1720 ROUTE 22** ADDRESS **ROUTE 1, BOX 5**
EAST UNION, NJ 07083 **CAIRO, WV 28337**

8,671'
 11,185' TO BOTTOM HOLE
 LATITUDE 39°30'00"
 LONGITUDE 80°42'30"
 8,949'
 5,172' TO BOTTOM HOLE



JAY-BEE OIL & GAS, INC.

July 7, 2016

West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th St. SE
Charleston, WV 25304

RE: Request for Modification Sleepy 5

Dear Ms. Adkins:

Accompanying this letter is a copy of the plat and WW6A1.

We are requesting modification for well API 47-095-02145, in which the well deviated from approved platting.

If you would have any questions concerning this matter, please feel free to contact me at the number listed below.

Sincerely,

Shane Dowell
Office Manager

RECEIVED
Office of Oil and Gas
JUL 12 2016
WV Department of
Environmental Protection

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
T3036	Mary Gwen Tustin	Jay Bee Production Company	12.5%	390-838
T3076C	Mary Gwen Tustin	Jay Bee Production Company	12.5%	390-838
T3076B	Sharon Kay Bryant	JB Exploration I, LLC	12.5%	406-746
T3208A	John Lambert Ice	JB Exploration I, LLC	12.5%	421-349
T3207A	Harry Ice Kennedy	JB Exploration I, LLC	12.5%	431-294
T3207B	Willis Nigh	JB Exploration I, LLC	12.5%	421-321

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

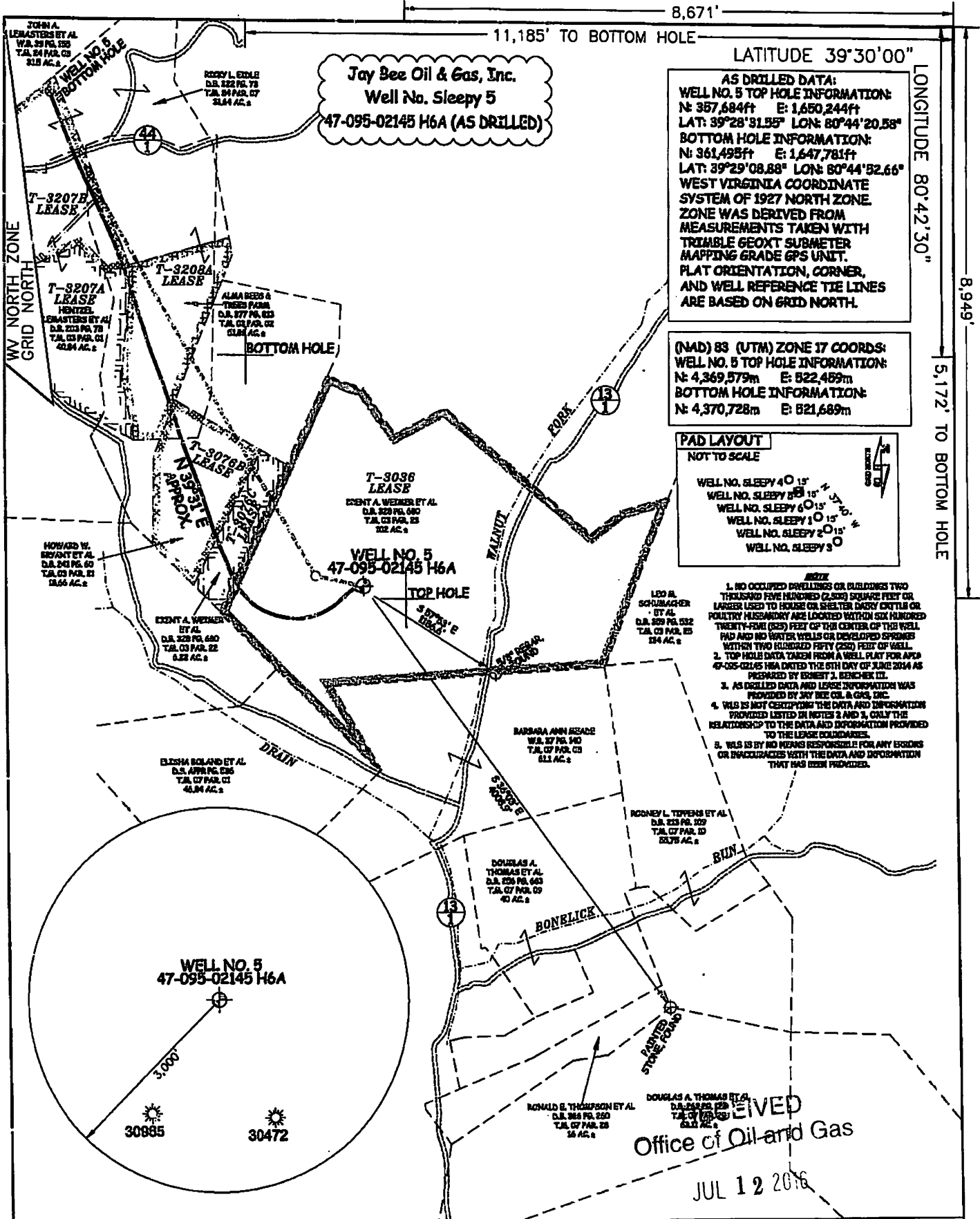
The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

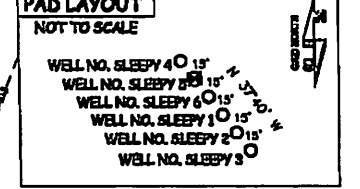
Well Operator: Jay-Bee Oil & Gas, Inc
 By: Shane Dowell
 Its: Office Manager





AS DRILLED DATA:
WELL NO. 5 TOP HOLE INFORMATION:
 N: 357,684ft E: 1,650,244ft
 LAT: 39°28'31.95" LON: 80°44'20.58"
BOTTOM HOLE INFORMATION:
 N: 361,495ft E: 1,647,781ft
 LAT: 39°29'08.88" LON: 80°44'52.66"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 660XT SUBMETER MAPPING GRADE GPS UNIT.
PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

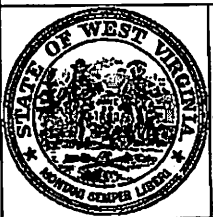
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL NO. 5 TOP HOLE INFORMATION:
 N: 4,369,579m E: 822,489m
BOTTOM HOLE INFORMATION:
 N: 4,370,728m E: 821,689m



- NOTE**
- NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER CATTLE OR POULTRY OR HORSE ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD AND NO WATER WELLS OR DEVELOPED SPRINGS WITHIN TWO HUNDRED FIFTY (250) FEET OF WELL.
 - TOP HOLE DATA TAKEN FROM A WELL PAD FOR APD 47-095-02145 H6A DATED THE 6TH DAY OF JUNE 2014 AS PREPARED BY ROBERT J. BENCHER III.
 - AS DRILLED DATA AND LEASE INFORMATION WAS PROVIDED BY JAY BEE OIL & GAS, INC.
 - WLS IS NOT CERTIFIED THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

RECEIVED
 Office of Oil and Gas
 JUL 12 2016

JOB # JAYBEESLEEPYS
 DRAWING # SLEEPYGH
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - - - Surface Owner Property Lines +/-
 - - - - - Interior Surface Tracts +/-
 ⊕ Found monument, as noted
 ○ Proposed Well Path
 ⊙ As Drilled Well Path

DATE 03/21/16
 OPERATOR'S WELL # SLEEPY 5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02145
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,120' WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE SHIRLEY 7.5 DISTRICT MCELROY COUNTY TYLER
 SURFACE OWNER BRENT A. WEIMER ET AL ACREAGE 102 ACRES +/- 09/16/2016
 OIL & GAS ROYALTY OWNER T-3038; T-3078C; T-3078B; T-3208A; T-3207A; T-3207B LEASE ACREAGE 102 ACRES +/-; 6.22 ACRES +/-; 18 ACRES +/-; 18 ACRES +/-; 78.5 ACRES +/-; 28.13 ACRES +/-

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) (X) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,938' TVD 11,816' MD
 WELL OPERATOR JAY BEE OIL & GAS, INC. DESIGNATED AGENT RANDY BRODA
 ADDRESS 1720 ROUTE 22 ADDRESS ROUTE 1, BOX 5
 EAST UNION, NJ 07083 CAIRO, WV 26337

COUNTY NAME
 PERMIT