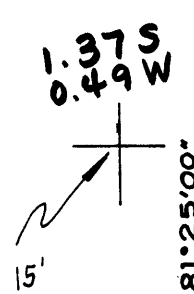
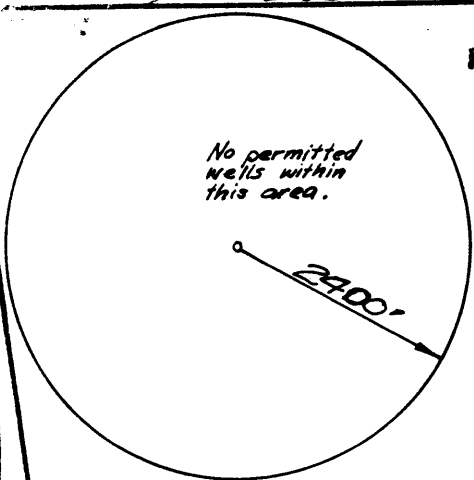


7-6-83

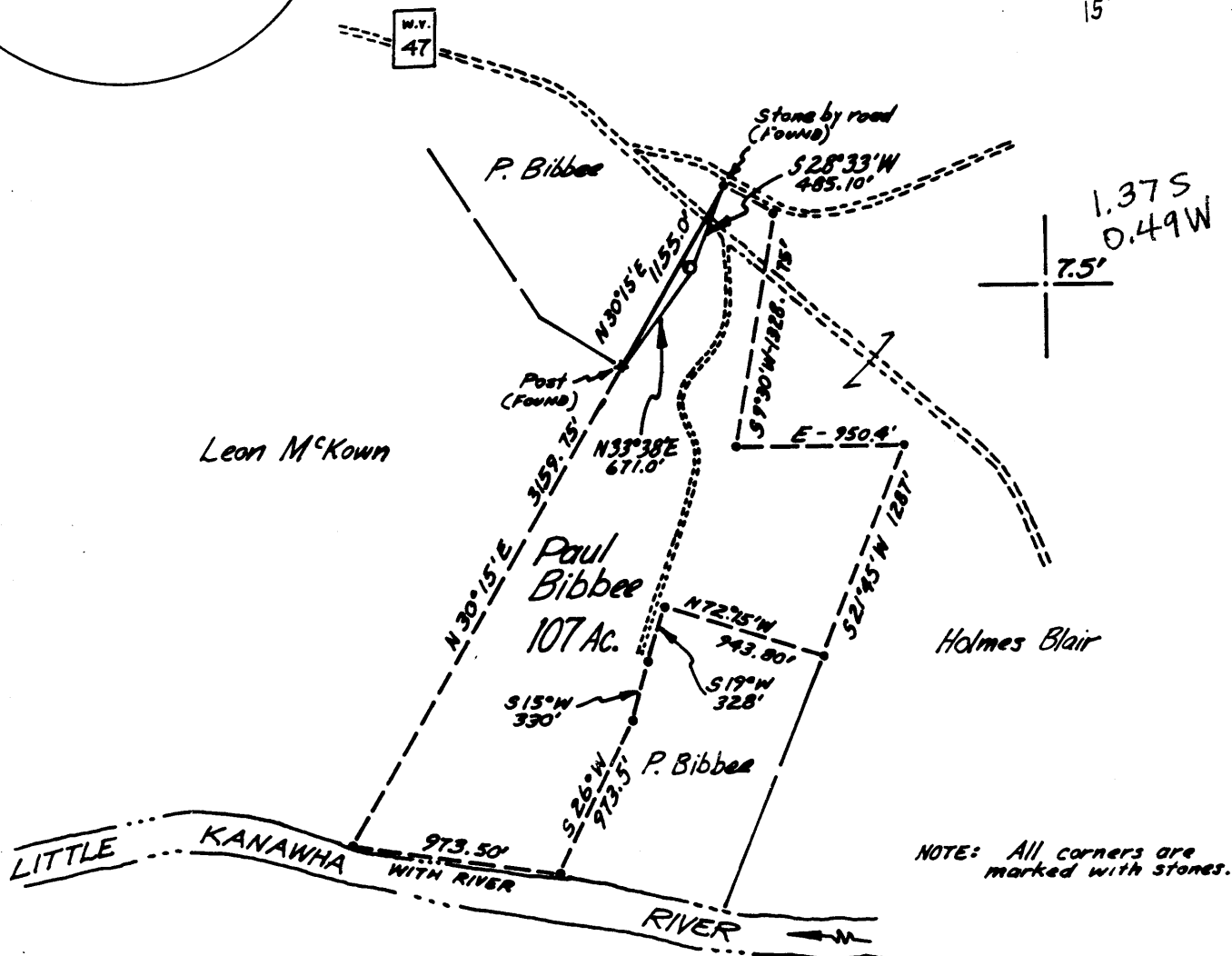
LATITUDE 39°10'00"

Plot  Card  CSD



LONGITUDE 81°25'00"

NORTH



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 686'  
ROAD INTERSECTION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Paul K. Marshall  
 R.P.E. \_\_\_\_\_ L.L.S. 580

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JUNE 7, 19 83  
 OPERATOR'S WELL NO. BIBBEE #1  
 API WELL NO. \_\_\_\_\_  
47 - 107 - 1273-Frac  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 750' WATER SHED LITTLE KANAWHA RIVER  
 DISTRICT CLAY COUNTY WOOD  
 QUADRANGLE KANAWHA (7.5')  
 SURFACE OWNER PAUL BIBBEE ACREAGE 107  
 OIL & GAS ROYALTY OWNER PAUL BIBBEE LEASE ACREAGE 175  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

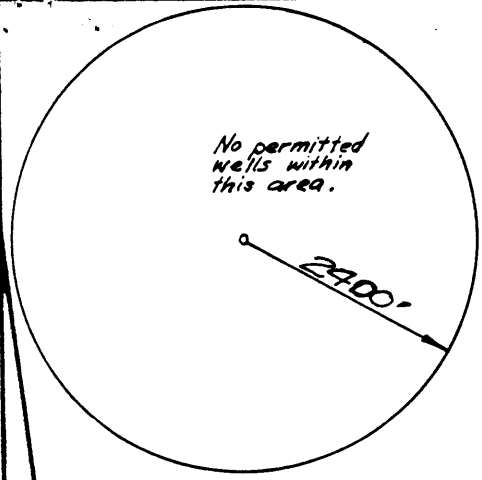
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5000'  
 WELL OPERATOR JAY-BEE OIL + GAS CO. DESIGNATED AGENT JAMES FORDYCE  
 ADDRESS Rte. 22 + VAUXHALL RD. 5-0 ADDRESS Rte. 2 - BOX 548  
 COUNTY UNION, N.J. 07083 Localtown 345 PARKERSBURG, W.VA. 26101

APR 2 1984

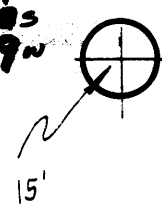
1000-171-3

LATITUDE 39°10'00"

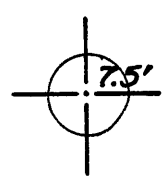
LONGITUDE 81°25'00"



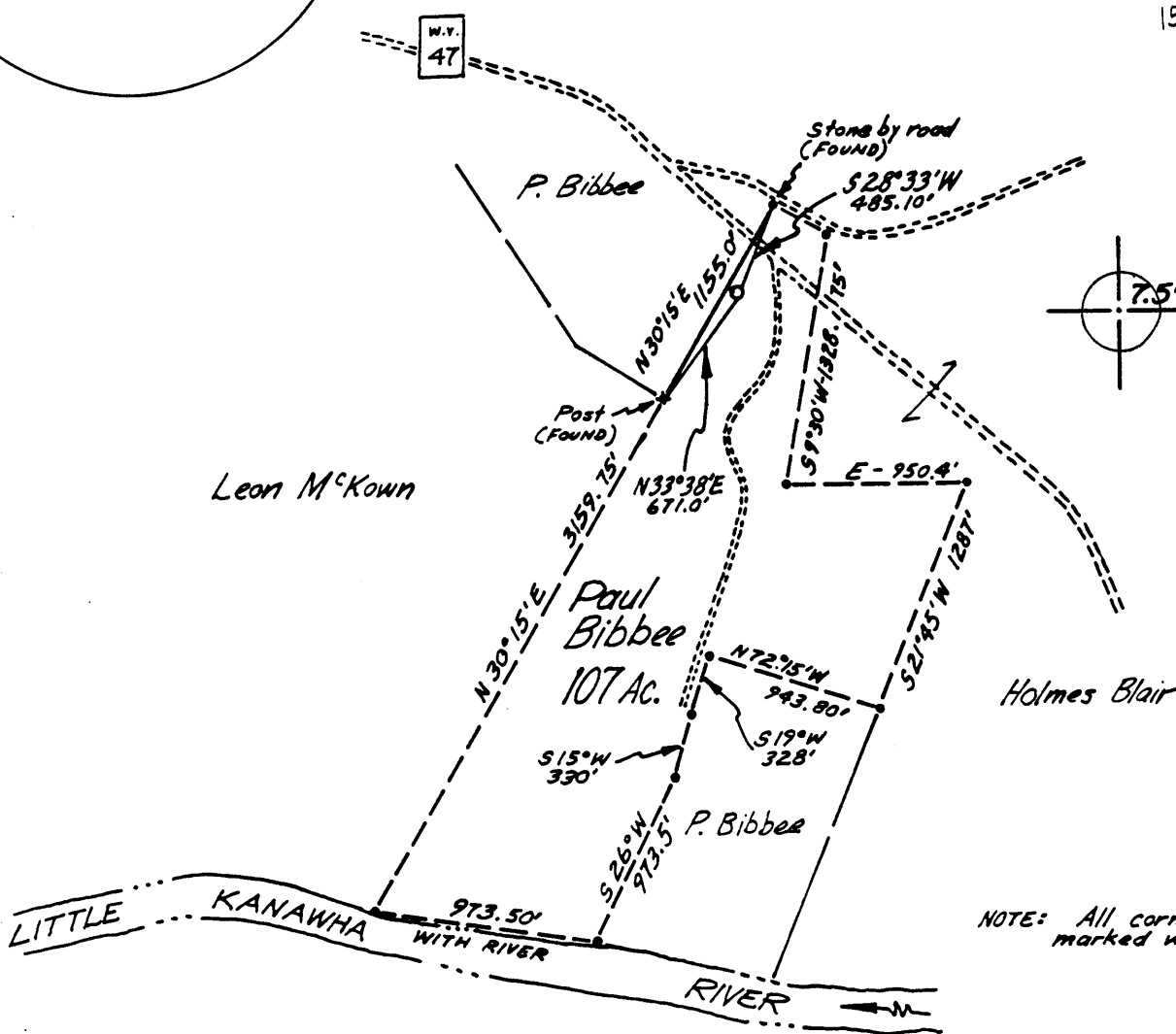
7  
1.303  
0.49N



7.5  
1.375  
0.49W



NORTH



NOTE: All corners are marked with stones.

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 686'  
ROAD INTERSECTION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Paul K. Marshall  
 R.P.E. \_\_\_\_\_ L.L.S. 580

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JUNE 7, 19 83  
 OPERATOR'S WELL NO. BIBBEE #1  
 API WELL NO. \_\_\_\_\_  
47 - 107 - 1273  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 750' WATER SHED LITTLE KANAWHA RIVER  
 DISTRICT CLAY COUNTY WOOD  
 QUADRANGLE KANAWHA (7.5') Elizabeth 15' WC  
 SURFACE OWNER PAUL BIBBEE ACREAGE 107  
 OIL & GAS ROYALTY OWNER PAUL BIBBEE LEASE ACREAGE 175  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ 5-6 Leachtown (345)  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5000'  
 WELL OPERATOR JAY-BEE OIL + GAS CO. DESIGNATED AGENT JAMES FORDYCE  
 ADDRESS Rte. 22 + VAUXHALL RD. UNION, N.J. 07083 ADDRESS Rte. 2 - BOX 543 PARKERSBURG, W.VA. 26101



Date APRIL 10, 1987  
Operator's  
Well No. Bibbe #1  
Farm Bibbee, Paul  
API No. 47 - 107 - 1273 F

**RECEIVED**  
APR 16 1987

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas," Production  / Underground Storage  / Deep  / Shallow  /)

LOCATION: Elevation: 750 Watershed Nerigo Run  
District: Clay County Wood Quadrangle Kanawha

COMPANY Jay-Bee Oil and Gas  
ADDRESS Rt 22 and Vauxhall Road  
DESIGNATED AGENT James Fordyce  
ADDRESS Rt 2 Box 548 Parkersburg, W.Va.  
SURFACE OWNER Paul S. Bibbee  
ADDRESS Leachtown, W.Va.  
MINERAL RIGHTS OWNER same as surface  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Glen  
Robinson ADDRESS Mineral Wells, W.Va.  
PERMIT ISSUED July 14, 1983  
DRILLING COMMENCED August 15, 1983  
DRILLING COMPLETED September 30, 1983  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Coil.	13"-50'	13"-50'	
13-10"	305'	305'	To Surface
9 5/8"			
8 5/8"	1165'	<del>305'</del>	
7"	1892'		
5 1/2"			
4 1/2"	5030'	5030'	410 sacks
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Depth 5000 feet  
Depth of completed well 5050 feet Rotary  / Cable Tools   
Water strata depth: Fresh 90 feet; Salt 1826 feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Devonian Shale Pay zone depth 300 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow Minimal Mcf/d Oil: Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 200 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation DEVONIAN SHALE Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow (2) Mcf/d Oil: Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after 72 hours shut in

WOOD 1273

APR 27 1987

(Continue on reverse side) 24

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Shale 4940-4950

90 Quality Foam Frack

SHALE 3330-3929  
UD H

N<sub>2</sub> FRAC

5/14/84

**RECEIVED**  
APR 16 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
Top Soil - redrock	0	90	
redrock -sand/Gravel	90	100	
sand/gravel - slate	100	317	
slate - redrock	317	380	
redrock - sand	380	395	
sand - slate	395	670	
redrock	670	715	
sand	715	758	
redrock	758	1045	
slate	1045	1180	
sand/slate	1180	1700	
sand	1700	1826	
lime	1826	1842	
sand	1842	1930	
shale	1930	2088	
lime	2088	2128	
shale	2128	2354	
sand	2354	2357	
shale	2357	2636	
sandy shale	2636	3440	
shale	3440	3700	
sandy shale	3700	3784	
shale	3784	5050	

(Attach separate sheets as necessary)

Jay-Bee Oil and Gas

Well Operator

By:

*J. B. [Signature]*

Date:

APRIL 10, 1987

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



IV-35  
(Rev 8-81)

**RECEIVED**

MAR 26 1984

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date March 21, 1984  
Operator's  
Well No. Bibbe #1  
Farm Bibbee, Paul  
API No. 47 - 107 - 1273

OIL & GAS DIVISION  
**DEPT. OF MINES** WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production X / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 750 Watershed Nergo Run  
District: Clay County Wood Quadrangle Kanawha

COMPANY Jay-Bee Oil and Gas  
ADDRESS Rt 22 and Vauxhall Road  
DESIGNATED AGENT James Fordyce  
ADDRESS Rt 2 Box 548 Parkersburg, W.Va.  
SURFACE OWNER Paul S. Bibbee  
ADDRESS Leachtown, W.Va.  
MINERAL RIGHTS OWNER same as surface  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Glen  
Robinson ADDRESS Mineral Wells, W.Va.  
PERMIT ISSUED July 14, 1983  
DRILLING COMMENCED August 15, 1983  
DRILLING COMPLETED September 30, 1983  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	13"-50'	13"-50'	
13-10"	305'	305'	To Surface
9 5/8			
8 5/8	1165'	<del>1165'</del>	
7	1892'		
5 1/2			
4 1/2	5030'	5030'	410 sacks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Depth 5000 feet  
Depth of completed well 5050 feet Rotary \_\_\_ / Cable Tools X  
Water strata depth: Fresh 90 feet; Salt 1826 feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
DRY HOLE  
Producing formation Devonian Shale Pay zone depth 300 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow Minimal Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_ hours  
Static rock pressure 200 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

APR 2 1984

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Shale 4940-4950

90 Quality Foam Frack

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil - redrock			0	90	
redrock -sand/Gravel			90	100	
sand/gravel - slate			100	317	
slate - redrock			317	380	
redrock - sand			380	395	
sand - slate			395	670	
redrock			670	715	
sand			715	758	
redrock			758	1045	
slate			1045	1180	
sand/slate			1180	1700	
sand			1700	1826	
lime			1826	1842	
sand-			1842	1930	
shale			1930	2088	
lime			2088	2128	
shale			2128	2354	
sand			2354	2357	
shale			2357	2636	
sandy shale			2636	3440	
shale			3440	3700	
sandy shale			3700	3784	5050
shale			3784	5050	2357
				T.D.	2693
				Angula@	TD.

(Attach separate sheets as necessary)

Jay-Bee Oil and Gas  
Well Operator

By: *[Signature]*

Date: March 21, 1984

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... in the drilling of a well."



1) Date: June 7, 19 83  
 2) Operator's Well No. Bibbee #1  
 3) API Well No. 47-107-1273

State \_\_\_\_\_ County Kanawha Permit  
 JUN - 8 1983

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

DRILLING CONTRACTOR:

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  Deep  Shallow )
- 5) LOCATION: Elevation: 750' Watershed: Negro Run  
 District: Clay County: Wood Quadrangle: Kanawha
- 6) WELL OPERATOR Jay-Bee Oil and Gas  
 Address Rt 22 and Vauxhall Rd  
 Union, N.J. 07083
- 7) OIL & GAS ROYALTY OWNER Paul Bibbee  
 Address Leachtown, W.V.  
 Acreage 175.3
- 8) SURFACE OWNER Same As Above  
 Address \_\_\_\_\_  
 Acreage 175.3
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Samuel Hersman  
 Address Box 66  
 Smithville, W.V.
- 11) DESIGNATED AGENT  
 Address \_\_\_\_\_
- 12) COAL OPERATOR  
 Address \_\_\_\_\_
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 15) PROPOSED WORK: Drill  / Drill deeper  / Redrill  / Fracture or stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Marcellus
- 17) Estimated depth of completed well, 5000' feet
- 18) Approximate water strata depths: Fresh, 550' feet; salt, 500' feet.
- 19) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes  / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13"				X		20'		Kinds
Fresh water	10 3/4"			X		300	300-350'	CTS	by Rule 15-05
Coal									Sizes
Intermediate	8 5/8"				X		900'	CTS	
Production									Depths set
Tubing	4 1/2"			X	X		5000'	410 SKS	or as req by
Liners									Perforations: Rule 15-01
									Top Bottom

21) EXTRACTION RIGHTS

- Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Daniel E. Doak  
 My Commission Expires June 3, 1991

Signed: [Signature]  
 Its: Agent

OFFICE USE ONLY

Permit number: 47-107-1273 DRILLING PERMIT Date: July 14, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires March 14, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: \_\_\_\_\_ Agent: \_\_\_\_\_ Plat: \_\_\_\_\_ Casing Fee: \_\_\_\_\_  
[Signature]  
 Administrator, Office of Oil and Gas

**RECEIVED**  
MAR 20 1984



1) Date: March 21, 19 84  
 2) Operator's Well No. Bibbee #1  
 3) API Well No. 47 - 107 - 1273-FRAC  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

OIL & GAS DIVISION  
 DEPT. OF MINES STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow )
- 5) LOCATION: Elevation: 750 Watershed: Nergo Run  
 District: Clay County: Wood Quadrangle: Kanawha
- 6) WELL OPERATOR Jay-Bee Oil & Gas 7) DESIGNATED AGENT James Fordyce  
 Address Rt 22 and Vauxhall Rd. Address Rt 2 Box 548  
Union, N.J. 07083 Parkersburg, W.Va. 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Glen P. Robinson Name \_\_\_\_\_  
 Address Rt 1 #6 Mt. Pleasant Est. Address \_\_\_\_\_  
Mineral Wells, W.Va. 26150
- 10) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate   
 Plug off old formation \_\_\_\_\_ / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 4750 feet  
 13) Approximate trata depths: Fresh, 90 feet; salt, 1826 feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13"				X		20'		Kinds
Fresh water	10-3/4"			X			300'	CTS	by rule 15-05
Coal									Sizes
Intermediate	8-5/8"				X	900'	<del>900'</del>	<del>900'</del>	
Production						1872'			Depths set
Tubing	4-1/2"			X			5000'	410 SKS	by as reg. by
Liners									Perforations: rule 15-01
									Top Bottom

**OFFICE USE ONLY**  
**DRILLING PERMIT**

Permit number 47-107-1273-FRAC

March 26, 19 84  
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires March 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>OK</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>3351</u>
-----------------	------------------	--------------------------	----------------------------	------------------

[Signature]  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.