

Janice 9/14/89

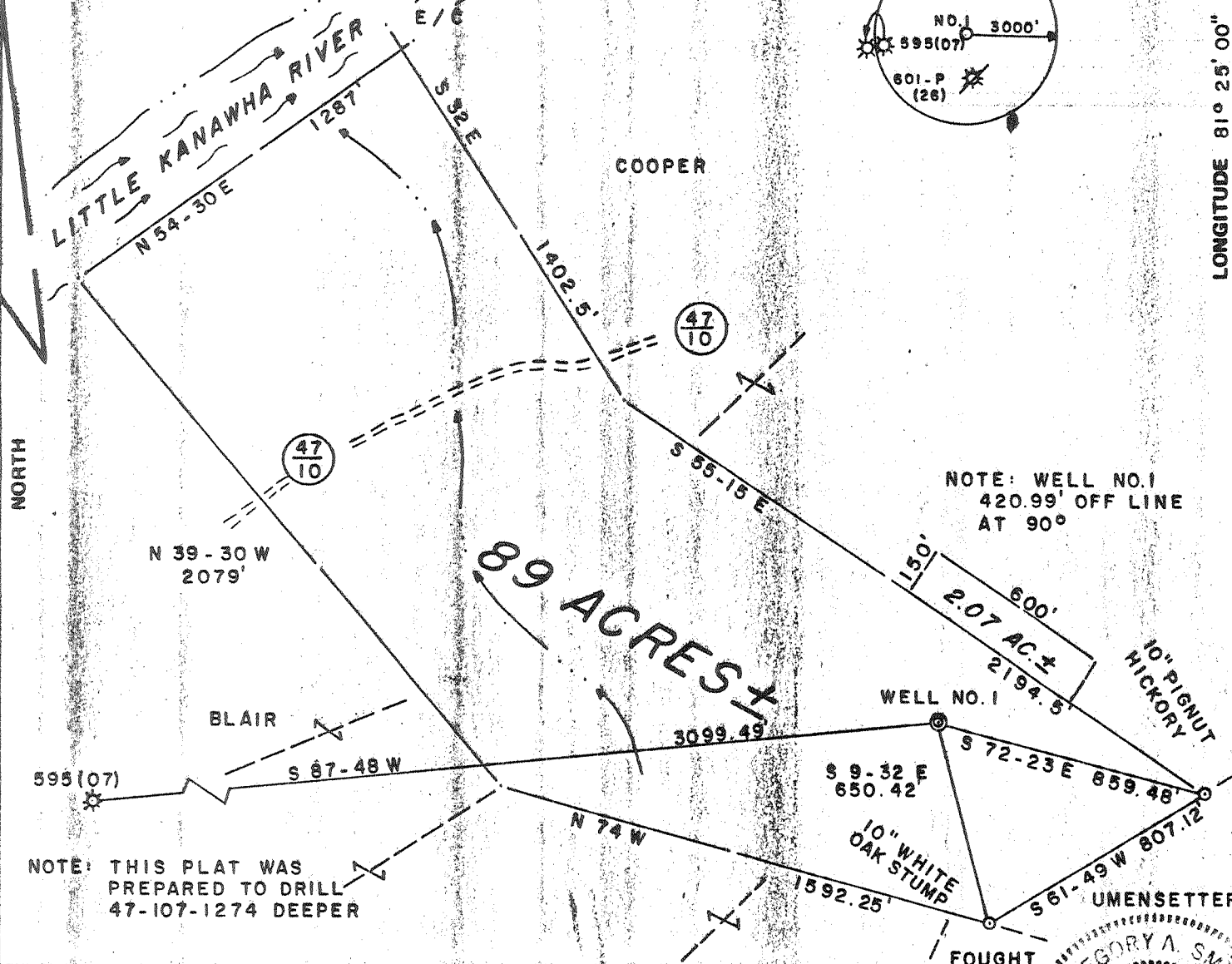
9,350'

LATITUDE 39° 10' 00"

LONGITUDE 81° 25' 00"

BLAIR LEASE

WELL NO. 1

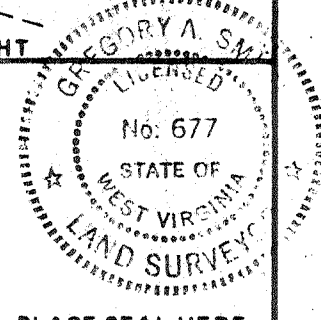


NOTE: WELL NO. 1
420.99' OFF LINE
AT 90°

NOTE: THIS PLAT WAS
PREPARED TO DRILL
47-107-1274 DEEPER

FILE NO. 12 - 57
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF
 ACCURACY 1 / 200
 PROVEN SOURCE OF
 ELEVATION JUNCT. OF ROADS
 ELEV. 686'

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF MINES.
 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



PLACE SEAL HERE

(+) DENOTES LOCATION OF
 WELL ON UNITED STATES
 TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



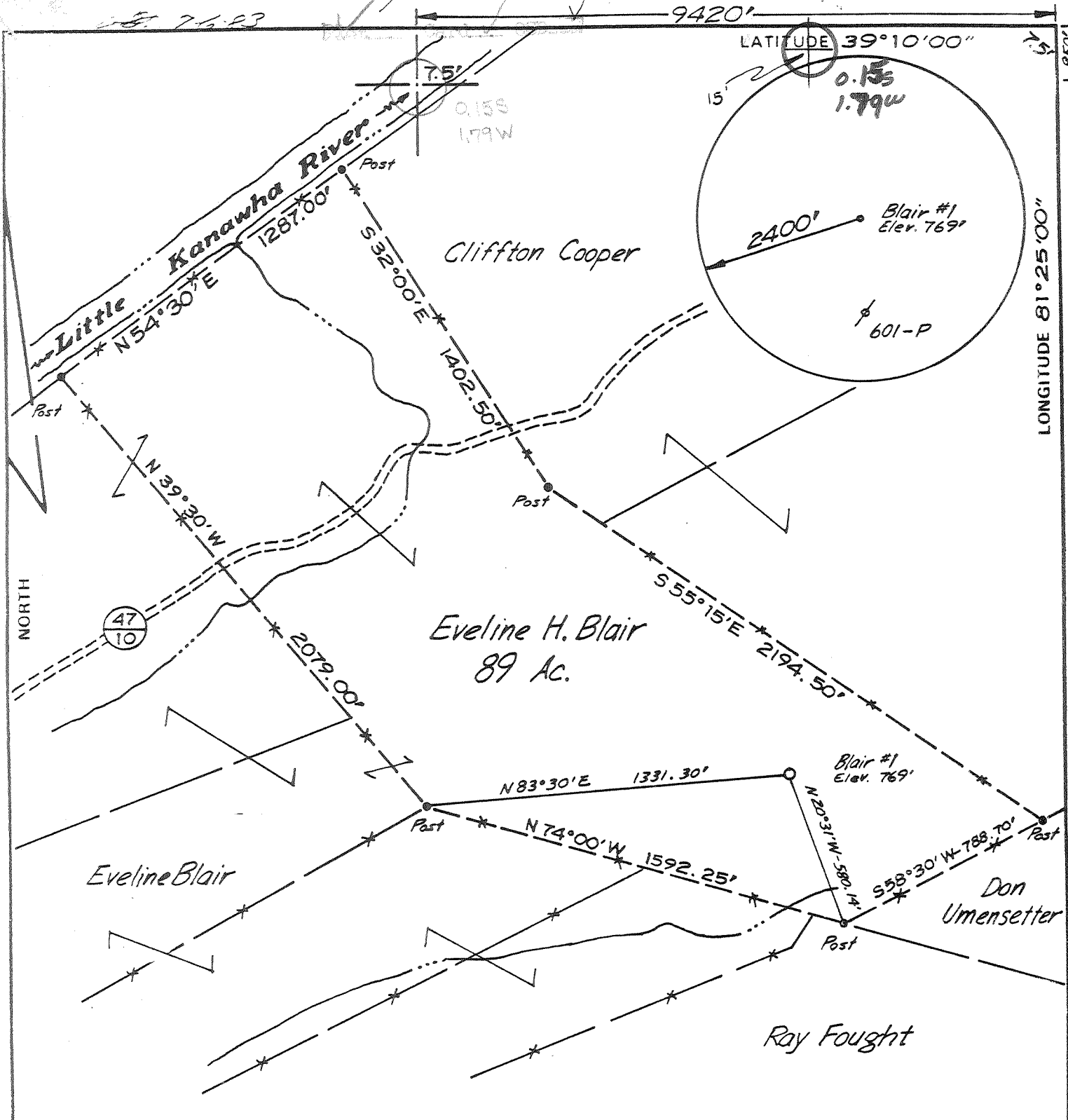
DATE FEB. 16, 19 84
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 107 - 1274
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 767' WATERSHED LITTLE KANAWHA RIVER
 DISTRICT CLAY COUNTY WOOD
 QUADRANGLE KANAWHA 7.5'
 SURFACE OWNER EVELINE BLAIR ACREAGE 89
 OIL & GAS ROYALTY OWNER EVELINE BLAIR LEASE ACREAGE 275 + 2.07
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER X REDRILL ___ FRACTURE OR
 STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 6000'
 WELL OPERATOR JAY-BEE OIL & GAS CO. DESIGNATED AGENT JAMES FORDYCE
 ADDRESS RT. 22 & VAUXHALL RD. ADDRESS RT. 2 - BOX 548
UNION, NJ 07083 PARKERSBURG, WV 26101

SEP 19 1988



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 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. BLAIR #1
 API WELL NO. 47 - 107 - 1274
 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 769' WATER SHED LITTLE KANAWHA RIVER
 DISTRICT CLAY COUNTY WOOD
 QUADRANGLE KANAWHA (7.5') Elizabeth 15 WC
 SURFACE OWNER EVELINE BLAIR ACREAGE 89
 OIL & GAS ROYALTY OWNER EVELINE BLAIR LEASE ACREAGE 275
 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'-6-6 Leachtown (345)
 WELL OPERATOR JAY-BEE OIL + GAS CO. DESIGNATED AGENT JAMES FORDYCE
 ADDRESS Rte. 22 & VAUXHALL RD. UNION, N.J. 07083 ADDRESS Rte. 2 - BOX 548 PARKERSBURG, W.VA. 26101



1) Date: June 7, 19 83
 2) Operator's Well No. Blair #1
 3) API Well No. 47 107 1274
 State WV County Putnam

JUN - 8 1983

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION

DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage Deep Shallow
- 5) LOCATION: Elevation: 789' Watershed: Little Kanawha
 District: Clay County: Wood Quadrangle: Kanawha
- 6) WELL OPERATOR Jay- Bee Oil and Gas
 Address Rt 22 and Vauxhall rd.
Union, N.J. 07083
- 11) DESIGNATED AGENT James Fordyce
 Address Rt 2 Box 543
Parkersburg, W.V. 26101
- 7) OIL & GAS ROYALTY OWNER Eveline Blair
 Address Buckner Bend Road
Leashtown, W.V.
 Acreage 275
- 12) COAL OPERATOR _____
 Address _____
- 8) SURFACE OWNER Same As Above
 Address _____
 Acreage 275
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samual Hersman
 Address Box 66
Smithville, W.V. 26178
- 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, 269 550' 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	Size	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
		Grade	Weight per ft.	New	Used			For drilling
Conductor	13"				X		20'	Kinds
Fresh water	10 3/4"			X		300	300 200 '	Cement To Surface by Rule 15.05
Coal								Sizes
Intermediate	8 5/8"				X		900'	CJS
Production								Depths set
Tubing	4 1/2"			X			5000'	410 SKS ORAS req by 15.01
Liners								Perforations:
								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: Bruce E. Dack
 My Commission Expires June 3, 1991

Signed: James Fordyce
 Its: Agent

OFFICE USE ONLY

Permit number 47-107-1274 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.)
 March 14, 1984

Permit expires _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:

Administrator, Office of Oil and Gas



Date December 5, 1985

Operator's Well No. 1

Farm Blair

API No. 47-107-1274 Rev.

WR-35

RECEIVED
DEC - 9 1985

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

DIVISION OF OIL & GAS
DEPT. 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: 769' Watershed LITTLE KANAWHA RIVER
District: Clay County Wood Quadrangle KANAWHA 7.5'

COMPANY JAY-BEE OIL + GAS Co.

ADDRESS 1720 Rt. 22 EAST, UNION NJ

DESIGNATED AGENT Randy J. Breda

ADDRESS Rt. 1 Box 5 Cairo W.Va 26337

SURFACE OWNER EVELINE BLAIR

ADDRESS BUCKER BEND ROAD LEIGHTON, W.VA

MINERAL RIGHTS OWNER EVELINE BLAIR

ADDRESS SAME

OIL AND GAS INSPECTOR FOR THIS WORK Glen P. Robinson

ADDRESS Mineral Wells W. Va.

PERMIT ISSUED July 14, 1983

DRILLING COMMENCED November 8, 1983

DRILLING COMPLETED July 1984

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.			
13-10"	305	305	105 SKS.
9 5/8			
8 5/8	1160		
7	1855		
5 1/2			
4 1/2		4993	300 SKS.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION OLISKANY Depth 6000' feet

Depth of completed well 5150 feet Rotary / Cable Tools

Water strata depth: Fresh 90 feet; Salt 1265 feet

Coal seam depths: - Is coal being mined in the area? -

OPEN FLOW DATA

Producing formation SHALE Pay zone depth 4000 feet

Gas: Initial open flow Small Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 40 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1100 psig (surface measurement) after 48 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

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

2 7/8 on Packer c 5400'

Acid Job UNSUCCESSFUL 5100-5150'

BEADGE Plug c 4164

PERFS c 3800 - 4900 Huron

NO FRAC TO DATE DUE TO CEMENT JOB.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
RED ROCK		SIATE	0	363	
SAND			363	370	
RED ROCK		SIATE	370	620	
SAND			620	651	
RED ROCK		LIME / SIATE	651	1040	
SAND			1040	1055	
LIME		PINK ROCK	1055	1112	
SAND		- salt sand	1112	1269	SALT WATER c 1265-1275
SANDY		SIATE	1269	1680	
SAND		- salt sand	1680	1805	SALT WATER c 1690-1700
SHALE			1805	1825	
SAND		- Big injun #	1825	1860	
SHALE			1860	2238	
SAND		- Berea	2238	2242	
GRAY / BROWN		SHALES	2242	4945	GAS c 4050.
LIME		DRON + ON'SK.	4945	5150	GAS c 5120.

From nearby logs

	top	thickness
up Dev	2242	1313
W Huron	3455	680
Java	4135	160
Anaple	4295	250
Rhinecliff	4545	300
Empire	4845	

(Attach separate sheets as necessary)

JAY-BEE OIL + GAS CO.

Well Operator

By: J. Buda

Date: DECEMBER 5, 1985

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 ..., encountered in the drilling of a well."

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

107-1274-P

AFFIDAVIT OF PLUGGING AND FILLING WELL.

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: BLAIR, EVELINE H. Operator Well No.: BLAIR # 1 (89 Ac.)

LOCATION: Elevation: 748.00 Quadrangle: KANAWHA
District: CLAY County: WOOD
Latitude: 1080 Feet South of 39 Des. 10 Min. 0 Sec.
Longitude: 9990 Feet West of 81 Des. 25 Min. 0 Sec.

Company: JAY-BEE OIL + GAS Co. Coal Operator _____
1720 Rt. 22 East or Owner _____
Union, N.J. 07083

Asent: RANDY J. BRODA Coal Operator _____
Inspector: GLEN ROBINSON or Owner _____
Permit Issued: 09/15/88

RECEIVED
DEC 09 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

Randy J. Broda and Fred Schulteis beins first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by JAY-BEE OIL + GAS Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th day of September, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
4" Solid Poly	4164	4164		
GEL	4164	2430		
CEMENT	2430	2330		
GEL	2330	1750	4 1/2" 2430'	
CEMENT	1750	1650		10 3/4" - 305'
GEL	1650	1300		
CEMENT	1300	1200		
GEL	1200	350		
CEMENT	350	250		
GEL	250	100		
CEMENT	100	0		

Description of monument: 3" 8 7/8" pipe of Permit # [redacted] dated 12/12/88

and that the work of plugging and filling said well was completed on the 18th day of September, 1988.

And further deponents saith not.

Randy J. Broda
Fred Schulteis

Sworn and subscribe before me this _____ day of _____, 19____
My commission expires: _____

NOTARY PUBLIC
OF NEW JERSEY
My Commission Expires July 31, 1992

Anna J. Thomas
Notary Public

DEC 10 1988