

FILE NO. 346.01
 DRAWING NO. 83-90
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION spot EL. = 1744'
West of Location.

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) Richard S. Reddecliff
 R.P.E. _____ L.L.S. 555
Buckhannon, W.Va.

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

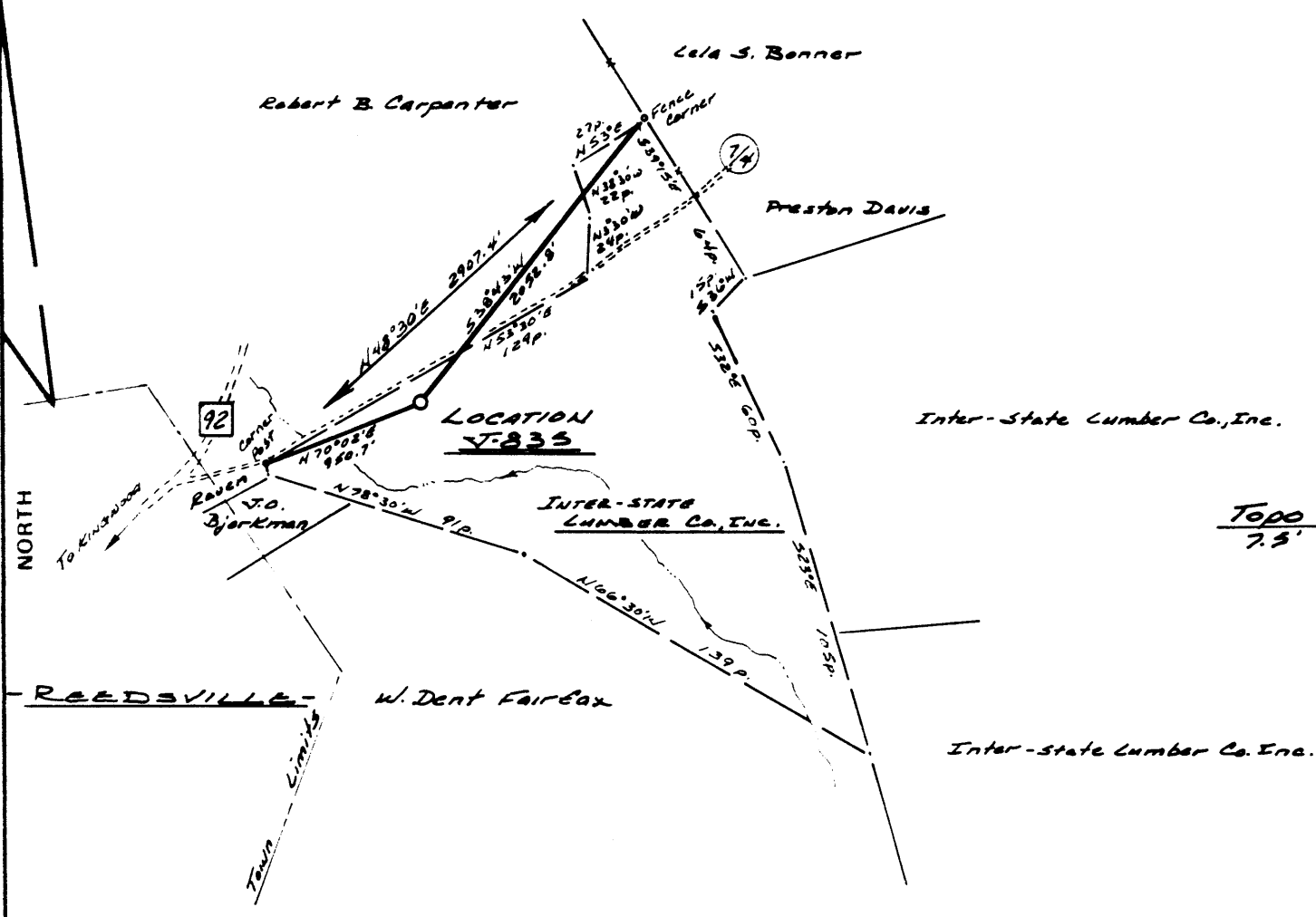


DATE November 7th, 1983
 OPERATOR'S WELL NO. J-835
 API WELL NO. 47-077-0240-P
 STATE COUNTY PERMIT

(+) 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 1738' WATER SHED Dillon Swamp Run
 DISTRICT Valley COUNTY Preston
 QUADRANGLE Mason town
 SURFACE OWNER Robert B. + Mary K. Carpenter ACREAGE 104.43
 OIL & GAS ROYALTY OWNER Inter-State Lumber Co., Inc. LEASE ACREAGE 104.43
 LEASE NO. I-20
 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 HAVERTY ESTIMATED DEPTH 5300'
 WELL OPERATOR JET ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

APR 23 1984



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 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

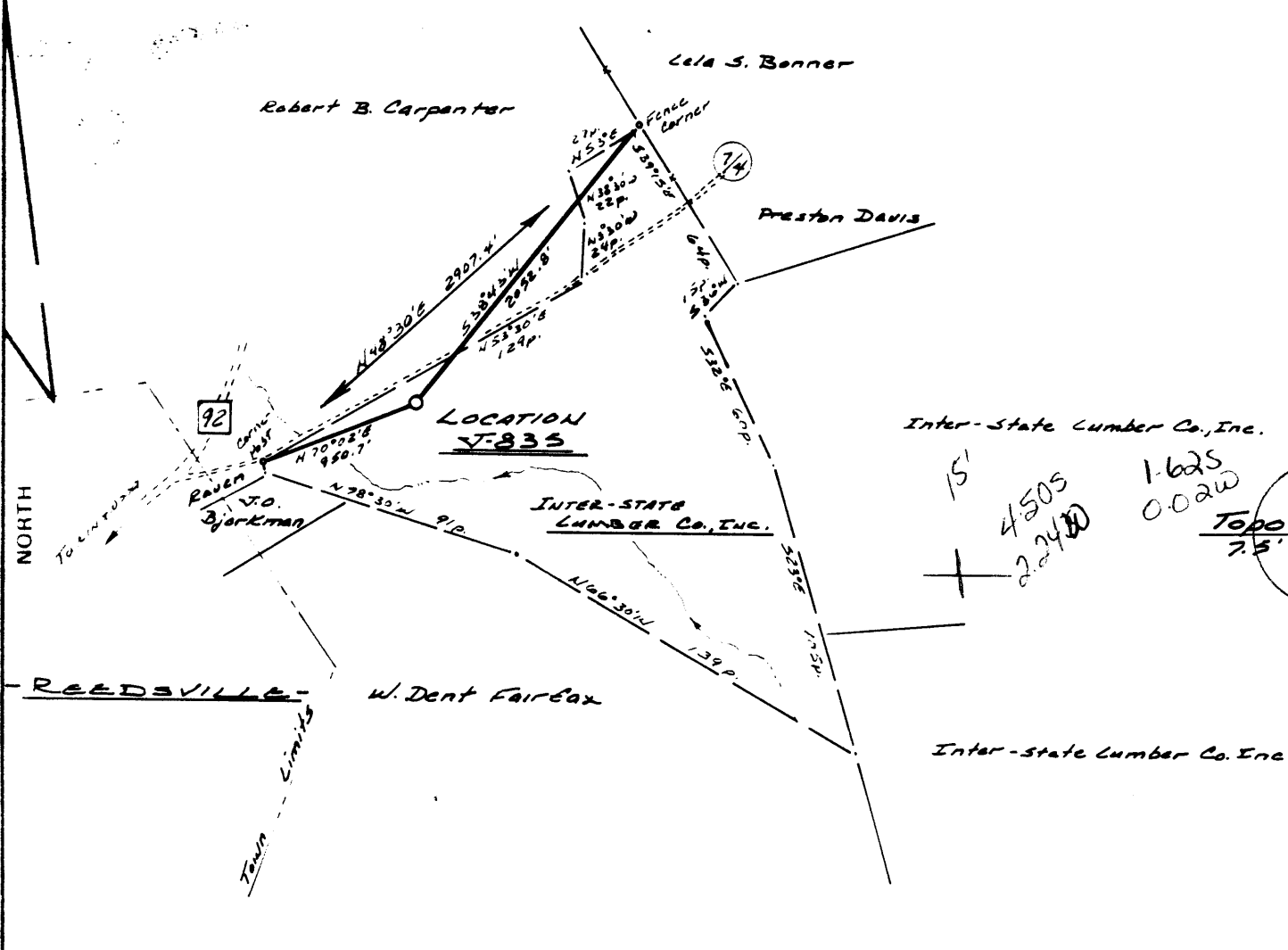


DATE November 7th, 19 83
 OPERATOR'S WELL NO. V-833
 API WELL NO. _____
47 - 077 - 0240-P
 STATE COUNTY PERMIT

(+) 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 1738' WATER SHED Dillon Swamp Run
 DISTRICT Valley COUNTY Preston
 QUADRANGLE Masontown
 SURFACE OWNER Robert B. + Mary K. Carpenter ACREAGE 104.43
 OIL & GAS ROYALTY OWNER Inter-State Lumber Co., Inc. LEASE ACREAGE 104.43
 LEASE NO. I-20
 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 HAVERTY ESTIMATED DEPTH 5300'
 WELL OPERATOR J&T Enterprises, Inc. DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

FEB 27 1984



FILE NO. 346.01
 DRAWING NO. 83-90
 SCALE 1" = 1000'
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West of Location.

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 (SIGNED) Richard S. Reddecliff
 R.P.E. _____ L.L.S. 555
Buckhannon, W. Va.

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE November 7th, 19 83
 OPERATOR'S WELL NO. V-835
 API WELL NO. 47-077-0240
 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 1738' WATER SHED Dillon Swamp Run
 DISTRICT Valley COUNTY Preston
 QUADRANGLE Masonstown Morgantown SE
 SURFACE OWNER Robert B. + Mary K. Carpenter ACREAGE 104.43
 OIL & GAS ROYALTY OWNER Inter-State Lumber Co., Inc. LEASE ACREAGE 104.43
 LEASE NO. I-20
 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 HAVERTY ESTIMATED DEPTH 5300' 6-0'S. Burns Chapel
 WELL OPERATOR Inter-States, Inc. DESIGNATED AGENT RICHARD REDDECLIFF (313)
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

IV-35
(Rev 8-81)

RECEIVED
FEB 16 1984



State of West Virginia
OIL & GAS DIVISION
DEPT. OF MINES
Department of Mines
Oil and Gas Division

Date February 15, 1984
Operator's Well No. J-835
Farm Carpenter (Interstate)
API No. 47 - 077 - 0240

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1738 Watershed Dillan Swamp Run
District: Valley County Preston Quadrangle Masontown

COMPANY J&J Enterprises, Inc.
ADDRESS P.O. Box 48, Buckhannon, WV 26201
DESIGNATED AGENT Richard Reddecliff
ADDRESS Same
SURFACE OWNER Robert & Mary Carpenter
ADDRESS 601 E. Main St., Kingwood, WV 26537
MINERAL RIGHTS OWNER Interstate Lumber Co.
ADDRESS 601 E. Main St. Kingwood, WV 26537
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis
ADDRESS P.O. Box 47, Belmont, WV 26134
PERMIT ISSUED 1/27/84
DRILLING COMMENCED 2/3/84
DRILLING COMPLETED 2/12/84
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON 2/13/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	74.40	74.40	35 sks.
9 5/8			
8 5/8	828.15	828.15	
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Haverly Depth _____ feet
Depth of completed well 5995 feet Rotary ^x / Cable Tools _____
Water strata depth: Fresh ^{25,35,160} 57,715 feet; Salt 0 feet
Coal seam depths: 191-94, 455-57, 515-20 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation DRY HOLE Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow ? Mcf/d 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
(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

FEB 27 1984
FEB 27 1984

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

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Conductor			0	72	
Sand			72	191	1" stream @ 25'
Coal			191	194	
Sand			194	455	1" stream @ 35'
Coal			455	457	
Sand & sandy shale			457	515	4" stream @ 57'
Coal			515	520	
Sandy shale & sand			520	780	2" stream @ 160'
Lime & sand			780	930	
Sandy shale & sand			930	1130	2" stream @ 715'
Sandy shale			1130	1150	
Big Lime			1150	1200	Gas ck @ 1301 NO show
Sandy shale			1200	1345	
Sand			1345	1425	Gas ck @ 3787 No show
Sandy shale			1425	5995	Gas ck @ 4064 No show
				<u>T.D.</u>	Gas ck @ collars No show
				Baller @ T.D.	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By:

Date:

February 15, 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 ... encountered in the drilling of a well."



1) Date: January 17, 1984
 2) Operator's Well No. J-835
 3) API Well No. 47 - 077 - 0240
 State County Permit

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: 1738 Watershed: Dillan Swamp Run
 District: Valley County: Preston Quadrangle: Masontown
- 6) WELL OPERATOR J&J Enterprises, Inc.
 Address P.O. Box 48
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Richard Reddecliff
 Address P.O. Box 48
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Donald Ellis
 Address P.O. Box 47
Belmont, WV 26134
- 9) DRILLING CONTRACTOR:
 Name S.W. Jack Drilling Company
 Address P.O. Box 48
Buckhannon, WV26201
- 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, Haverty
- 12) Estimated depth of completed well, 5300 feet
- 13) Approximate trata depths: Fresh, 75 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 200 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	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1400	1400	To surf.	NEAT SIZES
Coal	8 5/8	ERW	23	x		1400	1400	To surf.	
Intermediate									
Production	4 1/2	J-55	10.5	x		5250	5250	400 sks.	Depths set
Tubing								OR AS	REQ. BY RULE
Liners									Perforations: 15.01
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-077-0240 Date January 27, 1984

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 January 27, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1399</u>
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[Signature]
 Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File

AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, 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.

Interstate Lumber Co.
Coal Operator or Owner
601 E. Main St. Kingwood, WV 26537
Address
Calvert Land, Inc. C/O Fetterolf Coal CO., INC.
Coal Operator or Owner
P.O. Box 68, Boxwell, Pa. 15531
Address
Robert B. & Mary K. Carpenter
Lease or Property Owner
601 E. Main St. Kingwood, WV 26537
Address

J&J Enterprises, Inc.
Name of Well Operator
P.O. Box 48, Buckhannon, WV 26201
Complete Address
February 15 19 84
WELL AND LOCATION
Valley District
Preston County
WELL NO. J-835
Carpenter (Interstate) Farm
Donald Ellis, P.O. Box 47, Belmont, WV 26134 684-70

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Upshur ss:

Daniel F. Stark and Robert Dahlin
being 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 J&J Enterprises, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of February, 19 84, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
5995 - 3163	6% Gel			74.40'
3163 - 2863	Class A Cement			11 3/4'
2863 - 1706	6% Gel			
1706 - 1606	Class A Cement			828.15'
1606 - 962	6% Gel			8 5/8'
962 - 862	Class A Cement			
862 - Surface	6% Gel			
Coal Seams				
(Name) 191-194				
(Name) 455-457				
(Name) 515-520				
(Name)				



Description of Monument

and that the work of plugging and filling said well was completed on the 13th day of February, 19 84.

And further deponents saith not.

Sworn to and subscribed before me this 15th day of February, 19 84

[Signature]
[Signature]
Notary Public

My commission expires:

October 16, 1989

Permit No. 47-077-0240