

DEPARTMENT OF MINES OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

10	Charlest W. Charlest	OIL AND GAS WELL
	Charleston, W. Va.	DRILL DEEPER
_		
	COAL OPERATOR OR COAL OWNER	United Fuel C
	THE PARK THE	United Fuel Gas Company
	ADDRESS	NAME OF WELL OPERATOR
	ADDRESS	Charleston; W. Va.
	A STATE OF THE STA	COMPLETE ADDRESS
	COAL OPERATOR OR COAL OWNER	June 8
	por plant and the second secon	PROPOSED LOCATION
	ADDRESS	lines?
Wa	yne County Land & Mineral Co	Diagram
c/c	O Howard F. Meek	
		C
Hur	ite 1200 First Huntington Nathanish Address West Virgin	cional Bk. R. Well No.
GENTLI	ADDRESS West Virgin	ita \$2° 25 6. 606.8/
	The undersigned well operator	1652 011 E
oil and	gas, having fee side a	the case may be) under grant or lease dated
	Feb 05 and thereto, (or as	the case may be
	. United Fuel	made by F. D. Caldwell, et al m
of	May 1930	Gas Co. , and recorded on the 20th day , in the office of the Count Classic dated , and recorded on the 20th day
	15	, and recorded on the 20th day , in the office of the County Clerk for said County in
/m	15 , page 271	, in the office of the County Clerk for said C
of coal be aries of t coal opera The desire to n the drilling coal mines, a copy of t that forms on request a grounds on (The Copies	eneath said farm or tract of land on the same, who have mapped their wo stors or coal owners (if any) above not above named coal operators or coal owners of a well at said proposed location, or who must be received by, or filed with the this notice and accompanying plat by for use in making such objections with that all such objections must set of the work of the such objections are based and incompanying plat by the such objection of the such obj	mpetent engineer and shows the proposed location of a well dwell operator on the farm and in the Magisterial District ey and courses and distances from two permanent points, or and and believes there are no coal operators operating beds which said well is located, or within 500 feet of the boundamed as addressees. Where the are notified that any objections they may sich they are required to make by Section 3 of said Code, if Department of Mines within ten* days from the receipt of all be furnished to them by the Department of Mines promptly both as definitely as is reasonably possible the ground or licate the direction and distance the proposed location should only in Department's copy.) Were mailed by registered mail, or delivered to the above two shown respective address day before, of this copy to the Department of Mines at Charleston, any truly yours,
	Ve	ry truly yours,
	6601092	yours,
	683 01115	
	(3x3 1011)	
	JUNIO	UNITED FUEL GAS COMPANY
	JUN 1959	UNITED FUEL GAS COMPANY
	JUN 1959 Address of	UNITED FUEL GAS COMPANY WELL OPERATOR P. O. Box 1273
	JUN 1959 RECEIVED ST Well Operato	UNITED FUEL GAS COMPANY WELL OPERATOR P. O. BOX 1273
	Address of Well Operato	P. O. Box 1273 STREET Charleston 25
- COO 30 30 30	Address of Well Operato	UNITED FUEL GAS COMPANY WELL OPERATOR P. O. Box 1273 STREET Charleston 25 CITY OR TOWN
000000000000000000000000000000000000000	WEST VIRGINIA Well Operato	UNITED FUEL GAS COMPANY WELL OPERATOR P. O. Box 1273 STREET Charleston 25 City or town West Virginia

*Section 3 . . . If no such objections be filed or be found by the department of mines, within said period of the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections approved and the well operator authorized to proceed to drill at said location.

1198 -2

PERMIT NUMBER

To THE DEMARKACE OF MAKES OF LIE R. OFFIER R. Charleston W. V.s. Jane 8 Wayne County Land & Mineral Co. c/o Howard T. Meek Suite 1200 First Honoington National BM.Bidgl. No. Huntington, West Virginia Caldwell & C. Caldwell & Clark red ger and ger and ger al. D. Galdwell, ot al. Trusteeq Co.

United Fuel Gas Co.

Onderorded on the

08/25/2023

Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
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			The state				
		Para Language					
			Torrange	Sept. 2,			
			Parchage	I town Old C	olony Oil &	Chara City	
Big Lime Total Depth			TOO	5000.	Crim with	OND .	
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Gas	75		1505		Big Line M	0/10 water 2	0
Lottestion	Color	Haza ar Saft	198		OHL sage	Nebel	Keuranka
	LANGE THE THE TANKE THE	E E A T MEDIT				\$ ties	
	SED			Ball	d Tale	No.	L. Montage
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	10ths Water	9	Trick				
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Solice 1250 Fi	se Huncin	rton Wati.Bk		2		1.6	E job
o Howard F. M		Ayne County Hunti	and SMiners gton, W. Va	Co.		100	504 561 · · · · · · · · · · · · · · · · · · ·
			100	H)		an	46
Well No	1697	Way	pley 606.81'	. 18		rei	rd of Parker
Forth Caldwe	IT & CIERK	Br. of Tag	1657.8E		Carrier Co.		
Jacopany · Jo		Gas Co. Charleston	Os. W. Ve.	Castag and Tobing	Used in	Triff in	Pachery
	44.0		METT	MECOMO	7	Oil, or Tras 7	Gue Augusta
	Manga latek			NT OF MIN	Date	June 8	/25/2023

APPROVED UNITED FUEL GAS COMPANY, Owner

By (Title)

Supt., Civil Engineering Dept.

DEPARTMENT OF MINES

OIL AND GAS DIVISION

Quadrangle	Naugatuck
quadrangic	

DRILL DEEPER

Permit No.	1198		VVELL	RECORD		Oil or Gas	Well Gas
Address P. O	ited Fuel (. Box 1273 11 & Clark	Charleston	25, W. Va. Acres 1657.84	Casing and Tubing	Used in Drilling	Left in Well	Packers
Location (waters	Lick	Br. of Tug I	River Elev. 606.81'	Size 16		1	Kind of Packer
The surface of tr	ract is owned in	_County		10		S	Size of
Mineral rights a	re owned by W	ayne County 1	Land &Mineral	C@5/8		I	Depth set
uite 1200 Fi Drilling commen	rst Muntin	gton Nati.Bk	Bldg.	3			Perf. top
	From)	Liners Used			Perf. top
	_/10ths Merc.	in	Inch Inch Cu. Ft.	CASING CEM	ENTED	SIZEN	o, FtDate
Oil			hrs. _bbls., 1st 24 hrs.	COAL WAS E			EETINCHES
WELL FRACTU	JRED					IESFI	EETINCHES
ROCK PRESSU	RE AFTER T	REATMENT					
Fresh Water		Feet		Salt Water	0.7.0	reet_	
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Gas Injun Berea			1202 1270 1802	1205 1305 1891	Big Lime 10		2". d supply town of

1270 Crum with gas. 1080 -Big Lime 2000' Total Depth Purchased from Old Colony Oil & Gas Co. Sept. 2, 1930 08/25/2023

(over)

Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
Color	Soft		Bottom	Trong 2066 Test hour Test when s Test when s Br. Shale	after shot at in (23 days)	Solve to the control of the control
		5000 5000 5000	21/3 21/30 27/35 27/35 27/35	Gas 2502 Ly	JAME I. 13.1 10 M I. 11 I	- not enough
y ojov	liand or a	Tap	Bottem	Oil cons	Negth	Mentarks
ED THEY THEY	PATMENT Provi	bbls., satisf are.	PER	TINCH INCH (COUNTERING	ES BOOK	MACHEN MACHEN
000 - 1/2/ 000 -	2086 To Ind. Celeti L - Mic t 2 - Br. S Lime - LM Shale - Te	ine in	1,0 are Used	wiko e	2666 Pel	to bottom to the total of the t
Solia is ewised in Wayne	County Land School Land Suice 1200 Fi	ie 18 Mineral	- 2	as Blog.	2-3 2-3 11361 11361	1875'
ed Fael G : 1273; G & Clerk	erleston e)	W. Va. 1657.8b	Children and Thomas Size	Prod to brilling	eft in Well	Packers Tackers The Control of the
-T138-D		= DRIB	DECLES =		All ar Gan W	
				Date	March 22	08/25/2023
		allers on a	APPROVED	UNITED FUEL	GAS COMPANY (Title)	, Owner
			2 //	Supt., Civil		Dept.

Supt., Civil Engineering Dept.



DEPARTMENT OF MINES

OIL AND GAS DIVISION - DRILL DEEPER -

Quadrangle Naugatuck -Permit No. WAY-1198-D

WELL RECORD

Permit No. WAI - 1190-B			Oil or	Gas Well Gas (KIND)
Company United Fuel Gas Company Address P.O. Box 1273; Charleston 25, W. Va. Farm Caldwell & Clark Acres 1657.84	Tubing	Used in Drilling	Left in Well	Packers
Location (waters) Lick Br. of Tug River Well No. 4497 District Lincoln County Wayne	Size			Kind of Packer Anchor
The surface of tract is owned in fee by	10 8½			Size of $2-3/8$ " x $5\frac{1}{2}$ "
Mineral rights are owned by Suite 1200 First Hunting Address Huntington, W. Va.	0 0/10	nk Bldg.	1138'	Depth set1875'
Drilling commenced 8-24-59 Drilling completed 8-29-59 Date Shot 9-2-59 From 2086 To 2715			2686	Perf. top Perf. bottom
With 4,066-1/2# Ind. Gelatin	Liners Used			Perf. top Perf. bottom
Open Flow 2 /10ths Water in 1 - Big Lime Inch /10ths Water in 2 - Br. Shale Inch Volume 184,000 - Big Lime - 15M; Cu. Ft. 155 Br. Shale - 169 M 48	CASING CEMI	ENTED	SIZE	No. FtDate
Rock Pressure 140 Br. Shale - 169 M 48 hrs. Oil bbls., 1st 24 hrs.	COAL WAS E	NCOUNTERE	D AT	FEETINCHES
WELL ACIDIZED	FEET		CHES	FEETINCHES
WELL FRACTURED				

RESULT AFTER TREATMENT_

Fresh Water		Feet		Salt Water		Feet	
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Gray Shale Brown Shale Gray Shale Brown Shale Gray Shale Brown Shale Brown Shale Total Depth			2090 2192 2320 2392 2470 2491 2700 2715'	2192 2320 2392 2470 2491 2700 2715	gas to game Gas 2502' 1, Gas 2575' 3, Test before Shot 9-2-59 from 2086. Test 1 hour Test when si	1ge /10 W 1" 11 1 /10 W 1" 18 1 shot 3/10 W with 4,066 -2715' tamp after shot 8 hut in (23 da Lime; 16/10 N	M 1" 18 M 1/2# Ind. Gelat:
		18 19 20 21 222	200 miles		Shut in 9-2	5-59 in 2-3/8	3" tubing.

UNITED FUEL GAS COMPANY

MAP SQUARE 16-27 LEASE NO. 31984 ERIAL WELL NO. 4497 CASING AND TUBING TEST BEFORE SHOT RECORD OF WELL NO. 14197 on the WEIGHT LEFT IN L. Caldwell /10 of Water in 11 inch Acres 1148 5-1/2" 1148: 15# /10 of Merc, in inch Lincoln District in Volume 18 MCF 2700 2-3/811 4# 2700 Wayne County West Virginia TEST AFTER SHOT State of: 15 /10 of Water in 210
Idme W 2 /10 of Mark in 110
Shale 169 MCF
Volume Idme 15 MCF Central Division Field: 19 59 Rig Commenced July 10, inch 19 59 Rig Completed July 15, After Tubing Hours After Shot 19 59 Drilling Commenced August 24, Rock Pressure Core 155 118 Drilling Completed August 29. 19 59 Date Shot 9-2-59 4006-2/3# Ind. Gelatin Size of Torpedo 9-2-59 Drilling to cost Contractor is: Paul LeMasters SHUT IN Huntington, W. Va. Oil Flowed bbls. 1st 24 hrs. Address: Date 9-25-59 Oil Pumped bbls. 1st 24 hrs. Tubing or Casing Tubing Driller's Name David C. Sluss Size of Packer 2-3/8"X7" Paul D. Kingsley Well abandoned and Kind of Packer Anchor 1st. Perf. Set----from

DRILLER'S RECORD

2nd Perf. Set

DRILLER'S RECORD						
FORMATION	тор	воттом	THICKNESS	REMARKS		
Started Drilling at	2090(When Std. Drilling 0/10 W-1"		
Gray Shale	2090	2192	102			
Brown Shale	2192	2320	128			
Gray Shale	2320	2392	72			
Brown Shale	2392	2470	78			
Gray Shale	2470	2491	21	Gas @ 2502 - 1/10 W-1"		
Brown Shale	2491	2700	209	Cas @ 2575' - 3/10 W-1"		
Slate	2700	2715	15	When Drilling completed 3/10 W-1"		
TOTAL DEPTH	2715*					
				APPROVED		
				Deta Contraction of the second		
				TI TIÓN EU. ERINTENDEMIN		

Devonian Shale - 1891 - 2715'
Total Shale 824'

no sand logged no electric log Mary S. Friend Leologist

Elevation:

08/25/2023

FORM U 127-8 CSD



	September 2,	19 59	THE SECTION OF THE SE
Mr. W. W. Ferrel	l, Supt. Prod. & Storage		
Well No. 4497	(Serial No.) on J. L. Caldwell	Farm	NAMES AND THE PROPERTY OF THE
Was shot this date wi	th 4066-2/3# Ind. Gelatin		
Number of Shells		quarts	
Length of Shells	4-1/4"X10:		
Top of Shot	2086*		
Bottom of Shot	2715:		
Top of	Gray Shale Sand 2090	feet	
Bottom of			
Total Depth of Well	2715*		
Results: After Tubin	g - Shale 16/10 W-2" - 169 MCF Lime 2/10 W-1" - 15 MCF		
Remarks:			
Signed	Det Os Laurel District Supt.		
	The same of the sa	San Street Street	

NOTE-When a well is shot this form must be filled out and sent to the General Superintendent.

U.S. DEPARTMENT OF ENERGY Federal Energy Regulatory Commission Washington, D.C. 20426

PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) (Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination: Section of NGPA Category Code Description 102 New OCS Lease 102 2 New onshore well (2.5 mile test) 102 3 New onshore well (1,000 feet deeper test) 102 4 New onshore reservoir 102 5 New reservoir on old OCS Lease 103 New onshore production well 107 High cost natural gas 108 Stripper well Other Purchasers/Contracts: Contract Date Purchaser Buyer Code (Mo. Day Yr.) Remarks:

FT7900806/1-2

1.0 API well number. (If not assigned, leave blank 14 digits.)	-47-043-01198					
Type of determination being sought (Use the codes found on the front of this form.)	Section (1- DV	Category Code			
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)		2715	feet			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	P. O.	bia Gas Tra Box 1273 eston		orporation WV 25325 State Zip Code		
5 0 Location of this well. [Complete (a) or (b).] (a) For onshore wells. (35 letters maximum for field name.)	Field Na	Field Name LINCOLN Wayne WY State				
(b) For OCS wells	Area Name Block Number Date of Lease Mo. Day Yr. OCS Lease Number					
(c) Name and identification number of this wel! (35 letters and digits maximum.)	J.L. CALDWELL 804497					
(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)	N/A					
6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)	Name	*			004030 Buyer Code	
(b) Date of the contract:	in Çasă		Mo. Day	* Yr.		
(c) Estimated total annual production from the well			10	Million Cu	ubic Feet	
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	\$/MMBTU					
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S'MMBTU	Dereg	<u> </u>			
9.0 Person responsible for this application: Agency Use Only Date Received by Juris Agency Date Received by FERC	Albert H. Mathena, Jr., Director, Production Eng. Name Title Signature					

DEPARTMENT OF MINES OIL AND GAS DIVISION

Date 5-19-82

Operator's Well No. 804497

API Well No.

Whine

47 - 0431 - 01198

State County Permit

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN

FORM IV-48WC [12-78]

STATE OF WEST VIRGINIA

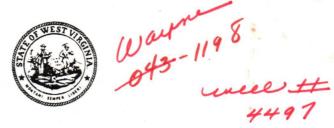
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date	5-19	. 1982
Operator's Well No.	90449	17
API Well	Wayne	01199

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No.

Calumbia Cas Tunna Comp.	lamos	L. Weekle	v
ELL OPERATOR Columbia Gas Trans. Corp. DESIGNATED AGENT		Box 1273	1
DDRESS P. O. Box 1273 ADDRESS Charleston, WV 25325		ston, WV	25325
NA.	·	300119 111	
as Purchase Contract No. NA* and Date (Month, day and	year)		
leter Chart Code 801779 NA*			
ame of First PurchaserNA"			
(Street or P. O. Box)	(Zip Code)		
(City) (State) FERC Seller Code NA* FERC Buyer Code	NA*		_
TYPE OF DETERMINATION BEING SOUGHT:	,	_	
(1) Initial determination (See FERC Form 121.) Section of NGPA (2) Determination that increased production is the result of enhancement		Category (Code
recovery technology.		Director,	
Albert H. Mathe	na, Jr.	Productio	n Engineering
Name (Print) Welest Id. Ma	thena }		
*This well is a pipeline production Signature and no gas purchase contract exists.	0		
and no gas purchase contract exists. P. O. Box 1273 Street or P. O. Box	x		
Orial resource		25325	
	tate (Z:	ip Code)	
Area Code Code	umber		
(Certificate of Proof of Service to Purchaser)			
A copy of this filing is being retained by Columbia Gas owner and operator of the identified well.	Transmis	sion Corpo	oration,
(All of the above to be completed by the Operator/Applicant)			
(To be completed by Jurisdictional Agency. Executed copy to be return	med to Ope	rator/Applic	ant and
purchaser, if known).		ion of the	hove described
The Department of Mines has received a request, for well as meeting the requirements of Section under the (NGPA): for for determination that increased production is the resunder Section 108 of (NGPA); or for determination of a seasonally	sult of enh	anced recove well under	Section 108 of (NGP.)
All interested parties are hereby notified that on the the office of the Oil and Gas Division in Charleston, West Virginia, be heard there will be a public hearing, if requested, or if objection	day of	thereafter	as it may
This Application is assigned File No.			
Initial review of information submitted indicates the well entitled to certification as claimed under the Natural Gas Policy Act and any additional evidence will be made at the time appointed for a as the matter may be heard.	public hea	ring or as	
Unless objections are timely filed or a request for a hear days, a hearing will not be held except on ex parte motion of the de	ing is made partment ar	within fif d the matte	reen (15)
go to determination. WEST VIRGINIA DEPA	RIMENT OF	MINES	
	Di	rector	
Ву			105/0000
Date received by Jurisdictional Agency Title		30	8/25/2023



State of West Virginia

Department of Mines

WALTER N. MILLER DIRECTOR

(Vil and Gas Division Charleston 25305

THEODORE M. STREIT ADMINISTRATOR

BEFORE THE OFFICE OF OIL AND GAS OF THE DEPARTMENT OF MINES OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATIONS OF COLUMBIA GAS TRANSMISSION CORPORATION REQUESTING CLASSI-FICATION UNDER SECTION 107 OF THE NATURAL GAS POLICY ACT OF CERTAIN WELLS IN BOONE, CABELL, JACKSON, KANAWHA, LINCOLN, LOGAN, MINGO AND WAYNE COUNTIES, WEST VIRGINIA.

CAUSE NO. 33

ORDER NO. 1

REPORT OF THE OFFICE

This cause came before the Administrator of the Office of Oil and Gas on June 28, 1982, at 1:00 p.m., in Conference Room C, Capitol Conference Center, Charleston, West Virginia, after giving notice of hearing as required by law on the applications of Columbia Gas Transmission Corporation for certification of certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, Logan, Mingo and Wayne Counties as Devonian Shale wells under Section 107(c)(4) of the Natural Gas Policy Act.

FINDINGS OF FACT

- 1. Applicant is an operator within the meaning of paragraph (w) of Chapter 22-4-1.
 - 2. Applicant has made filings for certification pursuant to Rule 34.04.
- 3. The Natural Gas Policy Act (NGPA) in Section 107, Ceiling Price For High-Cost Natural Gas--(c) Definition of High-Cost Natural Gas-- "For purposes of this section, the term "high-cost natural gas" means natural gas determined in accordance with Section 503 to be....(4) produced from Devonian Shale."
- 4. The Federal Energy Regulatory Commission (FERC) by Rule 272.101-(c) prescribes the method by which the jurisdictional agency may determine gas produced from Devonian Shale.
- 5. Exhibits refer to evidence gathered at a public hearing held June 28, 1982.

- 6. Exhibits No. 2 and 3 lists the wells to be under consideration for Section 107 pricing. All these wells are located on Exhibits No. 4 and 5 and have been completed in the Devonian Shale.
- 7. Applicant, by letter dated June 25, 1982 (Exhibit No. 3) requested that eight (8) of the wells listed on Attachment A be stricken from the docket for hearing and they have been withdrawn.
- 8. Exhibit No. 6 shows random sampling of already qualified Devonian Shale wells.
- 9. Various cross-sections throughout the interval show gamma ray logs of the wells (see Exhibits Nos. 7, 8 and 9).
- 10. No well has any non-shale greater than 5% in the Devonian interval penetrated.
- ll. No gamma ray logs are available on these wells since they were all drilled before logging was common in West Virginia.

CONCLUSION OF LAW

- 1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.
- 2. That pursuant to Chapter 22, Article 4, Code of West Virginia of 1931, as amended, the Office has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

ORDER

NOW, therefore, based on the aforementioned Findings of Fact and Conclusion of Law, it is found by the Administrator that Columbia Gas Transmission Corporation's applications for classification under Section 107 of the Natural Gas Policy Act for certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, Logan, Mingo and Wayne Counties, identified in Attachment A, are approved.

The Office of Oil and Gas further incorporates the Report of the Office and Findings of Fact and Conclusion of Law dated June 28, 1982, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

Entered this 12th day of July, 1983.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS
OF THE DEPARTMENT OF MINES
OF THE STATE OF WEST VIRGINIA

Theodore M Streit Administrator

