



DEPARTMENT OF MINES

OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

uel Gas Company	
NAME OF WELL OPERATOR	
on, West Virginia	
COMPLETE ADDRESS	
26	19 62
	_, 19_02_
PROPOSED LOCATION	
	District
	Country
38 00	
9152 820 15	€. 94
uel Gas Co. Min.Tr.#1	Farm
above named farm or tract of deed	of land for
grant or lease dated	
ton Development & Gas	Co., to
, and recorded on the 2	7th day
the County Clerk for said	County in
July Gold 101 Build	dounty in
are no coal operators oper ated, or within 500 feet of maps as required by law, ex	the bound-
notified that any objections to make by Section 3 of sais condition in or about their swithin ten* days from the sid coal operators are furthern by the Department of Mine is reasonably possible the and distance the proposed local	id Code, if respective receipt of the notified es promptly ground or
's copy.)	
istered mail, or delivered to	the above
e addressday he Department of Mines at	y before, Charleston,
UEL GAS COMPANY	
on 25 P.O. Box	1273
STREET	
ginia	
CITY OR TOWN 10/2	27/2023
STATE	
epartment of mines, within sames to said proposed least	id period of
	STATE department of mines, within saines, to said proposed location, the filing of such plat, that n by the department, and that ation.

WAY-1400

PERMIT NUMBER

A110

March 10, 1962 "Centennial *63"

United Fuel Gas Company P. O. Box 1273 Charleston 25, West Virginia

Att: Mr. Bernard Moon

Gentlemen:

Enclosed are permits for drilling the following wells:

PERMIT NO.	WELL NO.		F	ARM	enditrien eine			September 1980	DISTRICT
WAY-1399	9151	United	Fue1	Gas	Co.	Min.	Tr.	#1	Grant
WAY-1400	9152	United	Fue1	Gas	co.	Min.	Tr.	#1	Grant
				1	Very.	trul	y you	urs,	

Assistant Director OIL AND GAS DIVISION

MG/mc enclosure

cc: Mr. Kenneth E. Butcher, Inspector

Mr. R. C. Tucker, Assistant State Geologist Form OG-10



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION 26

Quadrangle	Naugatuck

Permit No. WAY-1400

WELL RECORD

Oil	or	Gas	Well	Gas

				(KIND)
Company United Fuel Gas Company Address P. O. Box 1273; Charleston 25, W.Va.	Casing and Tubing	Used in Drilling	Left in Well	Packers
FarmUnited Fuel Gas Co.Min.Tr.#1 Acres 40,578.86 Location (waters) Kuhn Branch Well No. 9152 Elev. 942.42	Size			Kind of Packer
District Grant County Wayne The surface of tract is owned in fee by Address	13		481	Hookwall Size of 2-3/8" x 7"
Mineral rights are owned by United Fuel Gas Company P.O. Box 1273 Address Charleston, W.Va.	8 % 5/8 6% 7'' 5 3/16		378 1543	Depth set
Drilling commenced May 1, 1962 Drilling completed July 9, 1962			3174	Perf. top Perf. bottom
Date Shot 7-11-62 From 2373 To 3373 With 10,400# DuPont Gelatin Open Flow 16 /10ths Water in 2 Inch	Liners Used			Perf. top Perf. bottom
	CASING CEMI	ENTED	_SIZE	No. FtDate
Oilbbls., 1st 24 hrs. WELL ACIDIZED		24 INC	CHES	_FEETINCHES

WELL FRACTURED_

RESULT AFTER TREATMENT_

ROCK PRESSURE AFTER TREATMENT

Fresh Waterl	.19	Feet	652	Salt Water_	1015	Feet	3
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Clay		The second secon	0	15	Water at 119	' 3 bailers	per hour
Sand			15	38			
Slate			38	52	Water 652' 2	bailers per	hour
Sand			52	115		_	
Coal	7.00		115	119	Water 1015'		
Slate			119	130			
Sand			130	140	Water Sand 1	861'	
Slate	end to		140	158			
Sand			158	200	Smell of oil	at 2298'	
Slate	and a second second		200	260			
Blue Sand			260	284	Show of gas	2902'	
Coal			284	286			
Sand	- A - 111822		286	340	Gas 3110' 2/	10 W 1"15 M	
Slate	W X		340	495	,		*
Sand			495	505	Test before	shot - show	
Slate			505	576	Shot 7-11-62	with 10,400	# DuPont Gelati
Sand			576	600	from 2373-	3373'	
Slate			600	644			8/10 Merc. 2"
Sand			644	662	660 M.		,
Slate			662	732	Test 20 hour	s after shot	16/10 W 2" 160
Sand	4 J 067		732	855	M		
Slate	_		855	880			
Salt Sand			880	1115	FINAL OPEN F	LOW - 169 M	- Shale
Slate	-	OFDO	1115	1135	48 Hr. R.P. 2	DR = //	27/2023
Sand	57324	25262720	1135	1140		10/	2112023
Blate	25500	020	1140	1215	Shut in 7-16	-62 in 2-3/8	' tubing.
and & Shells	18	AUD TO THE	1215	1225		- 1	
Slate & Shell	3 P. C.	AUG 1962	1225	1258	791		
Sand	Do West	EN N	1258	1263			

1355

(over)

B-2

Formation	Color	Hard or Soft	Top 26	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand Slate Lime Shell Slate Red Rock Slate Little Lime Pencil Cave Big Lime Slate Big Lime Keener San Red Injun Grey Injun Slate Shell Slate & Sh Coffee Sha Berea Sand Slate & Sh Gritty She Skate & Sh Brown Shal Slate Brown Shal	e e e e e e e e e e e e e e e e e e e	Soft	1355 1394 1399 1410 1415 1425 1460 1489 1495 1507 1509 1703 1715 1737 1800 1998 2040 2260 2295 2319 2358 2374 2835 2910 3005	1394 1399 1410 1415 1425 1460 1489 1495 1507 1509 1703 1715 1737 1800 1998 2040 2260 2295 2319 2358 2374 2835 2910 3005 3170	or Water LOGS RUN: Gamma Ray Induction G. G. Densit		Remarks
Slate Brown Shal Slate Total Dept	е		3170 3178 3348 3373'	3178 3348 3373	never colly never dilly	' J SELLONE bellow Tel	ber hour
		19.00	1,00	The Control of	4.4 A.5		ground, 82
	TA LETER THE LETER SERVICES						
ELE MELLEINE				284	5+		# #8 ***
169	573 200 - 200 513	10		Latines (S)	A STATE OF	2 77	
this entherm I T T T T T T T T T T T T T	201 201 20-62 20-62 2,400 200	1, 1982 - 3, 1982 - 2373 Punt Geletin 2	2573	2/2		2.75	property and
Bo 12	S owner or	United Tuel Oner	cas Company Leavon, Wife	20 5/2 87 5/6 50 . 7		451 4 378 8 1245 0	73331 7331 7331
Grea	: hum 7152	erandi Ma	9-2z			/ K	her or Trackerse DKW 85.3
Figure 2	Box 12/3; tel 9ac 80	Charleston Win.171	5, A.Va. 10,5/6.8	- 100/WW		1516 15	120 124 8
Unite		The state of the s				1	

	Date	August 2	7	, 19 62
APPROVED	UNITED	FUEL GAS COM	PANY	, Owner
By_	SA	(Title)	le	
S	upt., Civi	l Engineering	Dept.	

B 197-11 -630

Sand

UNITED FUEL GAS COMPANY

ERIAL WELL NO. 9152	L	EASE NO	No Ref.			MAP SQUARE 26-33
RECORD OF WELL NO. 9152 on the	he		CASING AND	TUBING		TEST BEFORE SHOT
Co. Min. Tr. #1 40,578.86 Acres	es	9176	WEIGHT	DRILLING	LEFT IN	0 /10 of Water in inc
n Grant Distri		10-3/4"	32#	48*	48 0	/10 of Merc, ininc
Wayne Count	ty	8-5/8"	24#	381.	3811	Volume Cu.
State of: West Virginia		7"	20#	1555*	15551	TEST AFTER SHOY
ield: Central Division		2-3/8"	4#	3191*	3191*	16 /10 of Water in 211 inc
Rig Commenced April 15, 19	62					/10 of Merc, in inc
ig Completed April 23,	62					Volume 169 MCF Cu. (
	62					When Shut In Hours After She
	62					Rock Pressure 48 Hr. 275#
rilling to cost per fo					***************************************	The state of the s
ontractor is: R. L. Hooser						Date Shot 7-11-62 10,400% Dupont Gelatin Size of Torpedo
ddress: Hamlin, W. Va.				енич іи		Oil Flowed bbls. 1st 24 hr
	9 7		Date	7-16-62		Oil Pumped bbls, 1st 24 hr
riller's Name Albert Miller		and the control of the state of	THE PARTY OF THE P	Tubing	Tubing or Casing	11113. 151 29 111
Alvin Richmond		geography and control and cont		ker 2-3/8		Well abandoned and
				cker Hookwa		Plugged 19
lling Permit No. WAY-11:00		# 45 contain 445 405 first \$-11 and 4 days		etfr		The state of the s
evation: 942-42*				etfr		The second secon
		DRILL	LER'S RECORD			The state of the s
FORMATION T	гор	воттом	тніскицав			REMARKS
Clay	0	15	15			
	15	38	23			
Slate	38	52	14		***************************************	
Sand	52	115	63	***************************************		TO THE STATE OF THE STATE OF THE STATE AND THE STATE OF THE STATE AND THE STATE OF
	15	119	4	Water (119" -	3 BPH
	19	130	11		T. Commission of the Commissio	
	30	140	10			
Slate	40	158	18			The state of the s
	.58	200	42			
Slate 2	200	260	60		A. 7	CKIXIXO AAC
Blue Sand 2	60	2814	24		Z.L.	PPROVED-
Coal 2	84	286	2	or the same special part was transfer and an arrange and an arrange and an arrange and arrange arrange arrange and arrange	,/,	13 Canara
Sand 2	86	340	5lı		DIVISIO	ON-SUPERINTENDENE
Slate 3	140	495	155			3183 4
	95	505	70			
Slate 5	05	576	71			
M 3	wo d	100	8.40			The state of the s

Sp

600

576

13/4 FRIAL WELL NO. 9152

FORMATION	TOP	воттом	THICKNESS	REMARKS
late	600	644	lılı	
and	644	662	18	Water @ 652 - 2 BPH
Late	662	732	70	
Sand	732	855	123	
ih te	855	880	25	
Salt Sand	880	1115	235	Water @ 1015*
ilate	1115	1135	20	
and	1135	111,0	5	
Slate	סורנ	1215	75	
Sand & Shells	1215	1225	10	
Slate & Shells	1225	1258	33	
Sand	1258	1263	5	
ilate	1263	1355	92	
Salt Sand	1355	1394	39	
Slate	1394	1399	5,	
dma Shell	1399	11,10	12	
Slate	11,10	1415	5	
Red Rock	1415	1425	10	
Slate	1425	1460	35	
Little Lime	11,60	1489	29	
Pencil Cave	1489	1495	6.	
Big Idme	1495	1507	12	
Slate	1507	1509	2	
Big Id.me	1509	1703	194	
Keener Sand	1703	1715	12	
Red Injun	1715	1737	22	
Gray Injun	1737	1800	63	
Slate	1800	1998	198	
Shell	1998	20110	42	
Shata & Shells	20110	2260	220	
Coffee Shale	2260	2295	35	
Berea Sand	2295	2319	21,	Smell of Oil @ 22984
Slate & Shells	2319	2358	39	THE RESIDENCE OF THE PROPERTY
Gritty Shell	2358	2374	16	
Slate & Shells	2374	2835	1,61	
Brown Shale	2835	2910	75	Show of Gas @ 2902*
Slate	2910	3005	95	

		DATEC	ER'S RECORD	
FORMATION	ТОР	BOTTOM	THICKNESS	REMARKS
Brown Shale	3005	3170	165	Gas @ 3110° - 2/10 W-1"
Slate	3170	3178	8	
Brown Shale	3178	3348	170	
Slate	3348	3373	25	
TOTAL DEPTH	3373			
	•			

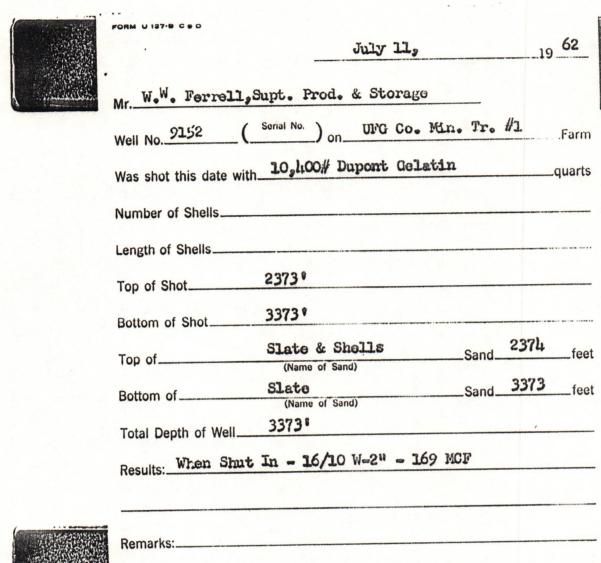
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v v v v v v v v v v v v v v v v v v v	7.1			The state of the s
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		***************************************	-	
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AND AND AND PROPERTY OF THE PR		Annual Security of Parties and Annual Security of Security Security of Security Secu	and also also any any and the Market State of the in-	additional models of the first and the control of t

Devenian Shale - 2319' to 3373' Total Shale - 10541

no sand logged no electric log Mary J. Friend Thologist

10/27/2023

B-6



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

Signed_









Dietriet Supt.



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

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) (Sections 102, 103, 107 and 108)

DI FACE DEAD DEFONE COMPLETING THE FOR

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	1	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/Co	ontracts:		
Contract Date (Mo. Day Yr.)		Purchaser	Buyer Code

Remarks:

.

47-099-01400-				
107E Section of N	OV GPA	Category Code		
3373 feet				
Columbia Gas Transmission Corporation Name P. O. Box 1273 Street Charleston WW 25325			004030 Seller Code	
City	CO11			Angle
WU Field Area B Field Name Wayne County - State				
Area Name Date of Lease Mo. Day Yr, OCS Lease Number				
TCO Min. Tr. No. 1 809152				
NA				
* Name			004030 Buyer Code	
Mo. Day Yr.				
Million Cubic Feet				
(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
S/MMBTU				
S MMBTU	Dereg			
Albert H. Mathena, Jr., Director, Production Eng. Name Title Column H. Mathena Signature (304) 346-0951 Phone Number				
	Columbia Name P. O. Bo Street Charlest Charlest City Area Name * Name * Name Albert Name Albert Name G-9-	Columbia Gas Transame P. O. Box 1273 Street Charleston City WY Field A Field Name Way be County NA Area Name * Name (a) Base Price * Name Albert H. Mathena Name Gutt H. Mathena Name Gold H. Mathena Name	Section of NGPA Category Code 3373 feet Columbia Gas Transmission C Name P. O. Box 1273 Street Charleston City W. Field Area B Field Name Area Name Date of Lease Mo. Day Yr. TOMIN. Tr. No. 1 * NAME * Name (a) Base Price (b) Tax S'MMBTU S'MMBTU Signature G-9-87 (3)	Section of NGPA Category Code 3373 feet Columbia Gas Transmission Corporation Name P. O. Box 1273 Street Charleston City State WY 25325 City State Zip Code WY 25325 City State Zip Code WY 25325 City State County State NA Area Name Block Number Date of Lease Mo. Day Yr. OCS Lease Number TOO Min. Ty. No. 1 80 9/52 NA * Name * Name (a) Base Price (b) Tax (c) All Other Prices [Indicate (+) or (-).] S'MMBTU S'MMBTU S'MMBTU S'MMBTU Albert H. Mathena, Jr., Director, Product Name Albert H. Mathena, Jr., Director, Product Name Glass Ade-0951

(NOTARIAL SEAL)

STATE OF WEST VIRGINIA

Date 6 - 9 - 82

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 809/52

API Well No.

47 - 099 - 0/400 State County Permit

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONTAN SHALE NGPA Section 107

	DESTGNATED AGENT James L. Weekley		
	ADDRESS P. O. Box 1273		
	Charleston, WV 25325		
	LOCATION Elevation 942,42'		
WELL OPERATOR Columbia Gas Trans. Corp.	Watershed		
ADDRESS P. O. Box 1273			
Charleston, WV 25325	Contract No. N.A.		
.GAS PURCHASER N.A. ADDRESS			
ADDRESS	Date of Contract N.A.		
This is a pipeline production well and no g	the second secon		
그는 그는 그는 그는 그는 그를 모르는 그를 보는 것이 살았다.			
Date surface drilling began: 5-1-196			
	well and explain how this was calculated.		
5ee Supp	plenent		
Δle	FIDAVIT		
Thave calculated the percentage of foota Devonian Shale as indicated by a Gamma Ra described in subparagraph (3)(i) or (3)(i report described in subparagraph (3)(ii)(of potentially disqualifying non-shale for percent of the gross Devonian age interva-	al; and I have no knowledge of any information inconsistent with a conclusion that the well		
STATE OF WEST VIRGINIA			
COUNTY OF KANAWHA , TO-WIT:			
I, Larry G. Burdette , a Notar	ry Public in and for the state and county		
aforesaid, do certify that Albert H. Math	whose name is signed to		
the writing above, bearing date the 9 acknowledged the same before me, in my co	day of tene, 19 81 has annuty afortsaid. 10/27/2023 15 9 day of the 19 81.		
Given under my hand and official seal the	is 9 day of Jame, 19 82.		
My term of office expires on the 13 d	ry of Augusty 1989		
	Laure I Bu Sotte		



Way-1400

State of West Birginia

Department of Mines Oil and Gas Division Charleston 25305

OF THE STATE OF WEST VIRGINIA

WALTER N. MILLER DIRECTOR

BEFORE THE OFFICE OF OIL AND GAS
OF THE DEPARTMENT OF MINES

THEODORE M. STREIT ADMINISTRATOR

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.
- 11. 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.

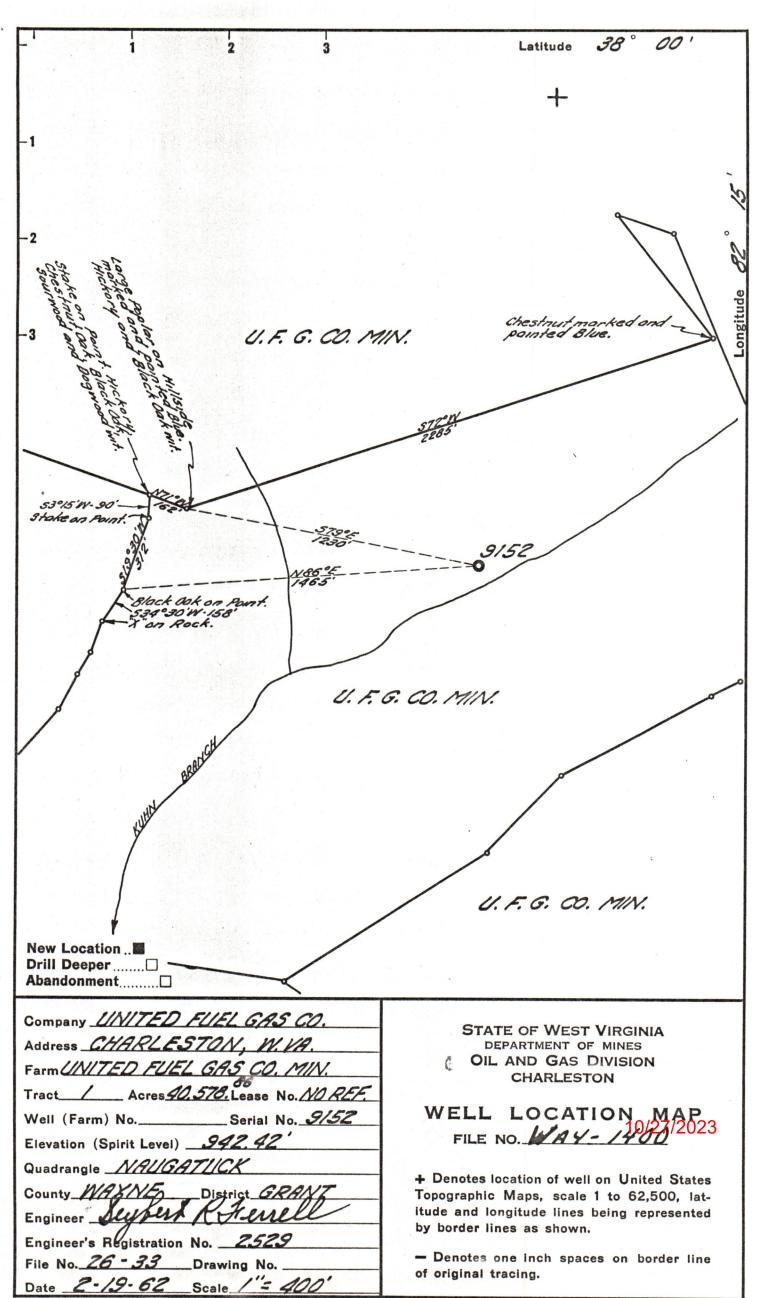
The Office of Oil and Gas further incorporates the Report of the Office and Findings of Fact and Conclusion of Law dated June 28, 1982, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

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

By: Theodore M. Streit, Administrator



U-E 150 IMPERIAL

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