

STATE OF WEST VIRGINIA

## DEPARTMENT OF MINES OIL AND GAS DIVISION

#### NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES, Charleston, W. Va.	
G. W. Workman Est., Ed Workman, Exec.	Owens, Libbey #Owens Gas Department
COAL OPERATOR OR COAL OWNER	NAME OF WELL OPERATOR
Wayne, West Virginia	P. O. Box 4158, Charleston 4, W. Va.
ADDRESS	COMPLETE ADDRESS
G. W. Workman Est.	August 11,
TOAL OPERATOR COAL OWNER	, 19
	PROPOSED LOCATION
ADDRESS	Butler District
	Wayne
OWNER OF MINERAL RIGHTS	County
	Well No. 4 (Serial No. 955) 82°  J. W. Workman Farm
ADDRESS	A to well
GENTLEMEN:	J. W. Wolfenan Farm
The undersigned well operator is entitled to d	
	rill upon the above named farm or tract of land for
oil and gas, having fee title thereto, (or as the case r	
, made b	y Ed Workman et al , to
Owens Bottle Co. & Libbey-Owens Sheet Gla (Now Owens-Illinois Glass Co. & Libbey-O	wens-Ford Glass Co. ded on the 4th day
of June, 1929 , in Book 13 , page 362	the office of the County Clerk for said County in
and County above named, determined by survey and cland marks.  The undersigned well operator is informed and of coal beneath said farm or tract of land on which said	believes there are no coal operators operating beds
coal operators or coal owners (if any) above named as	and filed their maps as required by law, excepting the addressees.
desire to make to such proposed location, or which they the drilling of a well at said proposed location will cause coal mines, must be received by, or filed with the Departs a copy of this notice and accompanying plat by said Department that forms for use in making such objections will be from request and that all such objections must set forth as grounds on which such objections are based and indicate the moved to overcome same.	ment of Mines within ten* days from the receipt of epartment. Said coal operators are further notified urnished to them by the Department of Mines promptly a definitely as in research and a said to the said to
(The next paragraph is to be completed only i	in Department's copy.)
Copies of this notice and the enclosed plat were r	mailed by registered mail, or delivered to the above
named coal operators or coal owners at their above shor on the same day with the mailing or delivery of twest Virginia.	nown respective address
Very tr	uly yours,
161710	OWENS, LIBBEY-OWENS GAS DEPARTMENT
18 10 18 10 3	WELL OPERATOR
1055	P. O. Box 4158
AUG 1933 Address of	STREET
RECEIVED Well Operator	Charleston 4,
*Section 3 If no such objections be filed or be for ten days from the receipt of said notice and plat by the department shall forthwith issue to the well operator a drilling ne	West Virginia 02/02/2024
S. S	STATE
*Section 3 If no such objections be filed or be fiten days from the receipt of said notice and plat by the department shall forthwith issue to the well operator a drilling pe	ound by the department of mines, within said period of
ment shall forthwith issue to the well operator a drilling pe have been made by the coal operators to the location, or for approved and the well operator authorized to proceed to dri	rmit reciting the filing of such plat, that no objections

WAY-980 PERMIT NUMBER

980

PORM OUT



ANNIBATE OF WEST STATE

## DEPARTMENT OF MINE OIL AND GAS DIVISION.

## NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

	To The Department of Mines.
	Charleston, W. Va.
Owens, Libber + Owens Gas Department	G. W. Workman Bat Ed Workman, Edea.
NAME OF WELL OPERATOR	COAL OPERATOR OR COAL OWNER
P. O. Eox LL58, Charleston L, W. Va.	wayne, west Virginia
evanos, arausas	
Angust 11, 19 55	U. W. Workman Bov.
PROPOSED LOCATION	WEHWO JACO BURNTON POR INCT
Butler District	
	BERROGA
Wayne	
WEN No. 4 (Serial No. 955) 526	вуновы назвим во изимо
	especia
the December Sur	Gentlemen
rol basi to fast to must bomes evode ad noquillid	The undersigned well operator is entitled to d
	oil and gas, having tee title thereto, (or as the case
ye Go Workman ev al	
Wens-Ford Class Co., orded on the down and day in the office of the County Clerk for said County in	Ovens Bottle Co. & Libbey-Owens Sheet Gl (Now Owens-Illinois Glass Co. & Libbey-O
THE CHARLY MACE THE CHARLY WELK TOO SING COURTY IN	Book 13 page 362
courses and distances from two permanent points, or	and County also e named, determined by survey and lead marks
bound and to lead (100 minutes are best of the bound of the later are bounded by the later are b	The undersigned well operator is informed and of coal beneath said farm or tract of land on which so are of the same, who have mapped their workings coal operators or coal owners (if any) above named as
if any are notified that any objections they may are required to make by Section 3 of said Code, if sea a deriverous condition in or about their respective ment of Mines within ten days from the receipt of expartment. Said coal opprators are further notified furnished to them by the Department of Mines premptly deficited on the control of the compiler.	The above named coal operators of coal owners of desire to make to such proposed location, or which they the drilling of a well at and proposed location wall caused mines, must be received by, or filed with the Depart a copy of this notice and accompanying plat by said that forms for use in making such objections will be for request and that all such objections must set forth a grounds on which such objections are based and indicate the moved to exercence same.
	(The next paragraph is to be completed only
m reparaments copy.) rualled by registered mail, or delivered to the showe	Copies of this notice and the enclosed plat were
and he of the comment number	named cost operators or cost owners at their shove of or delivery of a
* Stack Ain	
OWENS, LIERW-OWENS CAS DEPARTMENT	AN WIND OF THE PARTY OF THE PAR
P. O. Box 1158	Contraction of the second
195878	Address Address
Charleston h,	To acceive Well Operator
NWOY NO YES	AMIOHIV 12 02/02/202
West Virginia	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Section A. All no such objections be filed or he found by the department of mines, within raid period of make, to raid notice and over by the department of mines, to said proposed location, the department of mines, to said proposed location, the department of mines of such plats, that no objections have been made by the road operator a drilling permit reciting the filing of such plats, that no objections have been made by the road operator netherized to proceed to think at said that the same is approved and the wall operator netherized to proceed to drill at said together.

PERMUNICIPAL PROPERTY NOMINER

14.0%

Formation	Color	Hard or Soft	Top /O	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Blue	Soft	1386	1388			
Big Lime	White	Hard	1388	1410	Gas 1399-11	10 .	3.0 M
Big Lime	Grey	Hard	1410	1492	Gas 1418		3.1 M
DIE III	DOK	ilarid and	1293	T302	Test 1427		2.6 M
Grey Injun	Grey	Hard	1492	1506	Test 1506	1	1.2 M
Grey Injun	Grey	Med.	1506	1550		149	
Grey Injun	Grey	Soft	1550	1615	Gas 1598		55.4 M
Grey Injun	Grey	Hard	1615	1645			
Sand, Bro.	Dark	Soft	1645	1663	Test 1663	h.	23.5 M
Sand, Bro.		Dort	1111		Water fille	d up 71 feet	in hole in
Slate		Sof's	1096	TITY	39 hour	·s.	
Shells	Dark	Soft	1663	1721	Test 1680		16.7 M
Sl. & Shls.	Dark	Med.	1721	1788	Mater 1000	-loso; hele	OIL.
Sl. & Shls.	Dark	Soft	1788	2000			
Sl. & Shls.	Grey	Med.	2000	2051			4. 4. 6. 7. 8. 7.
Slate	White	Soft	2051	2100	Test 2098	A Comment	14.3 M
Brown Shale	Brown	Soft	2100	2111			
Berea Sand	White	Hard	2111	2112	Gas 2112		18.8 M
Sand - bro.		Bolt.	595	SLB	10-29-55		
			· much		Ran 5½" cas	ing at 2112	cemented in
SI. A Chis.	Dark	gote	529	585		ton Couse	25 sacks.
Berea Grit		-	2112	2119	Gas 2116		147 M
Slate	Prock	30T6	2119	2121	Gas 2119		208 M
Shell	Dark	Hard	2121	2140	Mater at 1	50'; hold fu	TI
Sand		3368	287	190	Moter at A	10', 5 B.P.	
Slate	Illek	Total De		2140			
Coal	Plack	9,705	252		Open flow to	ests at 2140	188 M
blate	Biack	Soft	202	252	Berea Sa	and	100 M
Sand, Bro.	Der K	* rieg*	- NIM	SPS		_/_ to	710
Sand		1.9d.	108		Pressures:	7" 455#	<u>5</u> ½" 574#
Sand	Dark	Soft	60	- T00	24 hrs.	455#	574#
Slave	•	3,500	一点。例	90			
Red, Hock	218	Soft	30		11-2-55	1	
Slate '		Boilt	TO		Well shut-i	n in 5½" cas	ing.
Sell	7	5010	0		To be hydra	fraced.	
Formation		Hard or . Soft	160		Well turned open flow b	into line f	rom 11/5 to 11/8; g into line
Soft water the	A 27000	*** \$1.95************************************	1604		a la		188 MCF
Fresh water 122	00-1050	7602	1901		11-8-55 Ins	talled 3½" t	ubing
OH OF	), MEO, 58	\$	popul jer ga pra				tubing
Rock Pressure			Constant in		Open flow	W. 525 W	140 MCF
		4.4	SF		11-9-55 Hal	liburton Co.	accempted
Folime .		reiles Sand	109 on Ft				ormation would
		(8)	The state of the s	SCABING OFF	not take ge	ulled tubing	Table - Date
Open Flow		B	push		11-10-55 C	urred contrib	nd swabbed oil.
Market Water	er recen	- ase Length			TT-TT-//	realied one of	79 MCF
Date Shat Alon			4.3			hut well in.	
Drilling complain					11-12-55 B		3.00
	11755	.55			Open flow	atten orre	90 MCF
Drilling commend	9-15-			5.3/2	Open flow Shut well i	Follow Per	1.400
1		Audress Wayn	8 W. V8.		71-71-55 T	urned well i	n line.
Minjeral sugate an		RG WOLKS	nu"	XX Z			11; approx. 3
		VCC CONTRACTOR		1 5/8 THE		bls. oil.	ri, appron.
The surface of tir		166.07			77-22-55 1	rilled nocke	t 2121' to 2140'
				. (9)	Railed dry	Onen flowe	109 MCF
District	rejer	County	Je e		Turned back		207 1101
Well No. 14 (5)	orial No.	(53)	SIL, IS		Turned back	TIL TIMOS	id of theket
-location (waters			100		57),# R P	as observed	before fracturing
Lasin	* MOTHBU		Acres 000		714// Itel . W	05 05002 V60	
			KAN				
	. Box 415	), Charlesto	Fig. W. We.		Distant.	M/M	Y. SCHOLD
Commany ONE	e Prenez	C SYD SWIMO-	STATE I		E) 80% Dr. +1	Seeks an	
Township to a line			A Salary Salary				The same of the sa
Parmit No.	00.000	-				Off-or Cas V	(4)
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73112 12 12 12 12 12 12 12 12 12 12 12 12	100 VIII					02/	02/2024

December 8, 19 55 APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT Title) Geologist



DEPARTMENT OF MINES STATE OF WEST VIRGINIA

OIL AND GAS DIVISION / D

## METT BECORD

December 8,

02/02/2024 usabsu9

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12	TO THE STATE	57 833	1338	1357	Hard	Grey	Eittle Lime
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J. 6310	1991.40	CD 1 280	1324	SOET	breH		base
J. 11	GG61 030	00	SOET	1293	Hard	Dark	
13 6	66/	Test (0)	T293	1288	JJos	Dark	Slate
190	330	.07	1288	1247	Muddy	Dark	Slate
1.00		Des Teach	ISTL	T500	Med.	Dark	base brase
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23.5	3000		8LTT	TSTT	Med.	Dark	band
ni slod ni tos'	17 but 64	Water fill	TSTT	TITT	tlos	Dark	sand, Bro.
	2347		titt	960T	tios	Dark	Slate
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L'Eug et	о-того ро	OOL mately	ESOT			Dark	basi
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		10-29-55	579	565	1Jos	Dark	sand, Bro.
il beinomes ISI.	Materi	TILLIE			37	2.00	
rted "may be a			565	259	tios	Dark	estas & ets
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FIG.		OFFICE WAR			1,105	Brsck	Lsoi
	2000	an reasu	767	067	+3-2	-100 [4	Sep. 1
	Lod., hole		Olitica	LXAS	bish	NAME	Llon
P. H.	. B & . OTO	ts retsW	067	287	tios	White	puse
			785	952	130S	Black	Slate
h to drill with	Shone '04s	Water at	556	252	flos	BJsck	Lso
ICI.	bruk	Bertell	252	502	tios	Black	Slate
			242	747	.beM	Dar k	sand, Bro.
m_gr	11.6-	Pressures	LTT	80T	.beM	- StinW	base
	1000	and di	80T	09	1Jos	Dark	gand
			09	07	tjos	-	Jate
			07	30		-	ged Rock
		CC-2-77	011	30	tios		
The same	1943 444				0.700		SOPTO
.on esc		-Juda Llest	30	OT	tios	-	
oso ng.		hell shut- To be hydra			tio2	-	
на по		Oil, Gas To Water	30	OT		Color	
apinon.	Pepth Found	Oil, Gas	OE OE	OT O	1JoS	Color	12284 2184
Kemstks FEET INCHI	Found Popth Found	Oil, Gas	Bottom 10 30	qoT OL	o bigH iloS floS	0-7050	Formation Loco
Remarka	LES POOL	Oil, Gas	PEET Bottom 30	doT  O  O  O  O	1991 no bigH iloS		resh water 2502 In Mater 1000 Totmation 1000
Remarks FEET 1NCH	LES POOL	Oil, Gas	PEET Bottom 30	feet. 1st 24 hrs., leet. feet. feet. feet. O. O.	feet feet feet soft floc	0701-0	resh water 250, alt water Formation
Remarks EEET 78 INCH EEET 78 INCH	LES POOL	Oil, Gas	PEET Bottom 30	2)4 hrsbbls., lst 24 hrs. feet feet Top O O O	feet feet feet feet feet foot foot	0-7050	ock Pressure  ii  resh water  Alt water  Formation
Remarks EEET 48 INCHI FEET 48 INCHI	LES POOL	Oil, Gas	PEET Bottom 30	feet. 1st 24 hrs., leet. feet. feet. feet. O. O.	feet feet feet soft floc	0701-0	Sock Pressure  Tresh water  Alt water  Alt water  Formation
Remarks EEET 48 INCH	PES POOL POOL POOL POOL POOL POOL POOL POO	OI, Gas OI Water	PEET Bottom 30	2)4 hrsbbls., lst 24 hrs. feet feet Top O O O	Beres Sand  Lost feet feet feet Soft	0701-0	olume ook Pressure ii resh water 250 alt water Formation
Remarks EEET 48 INCHI	PES POOL POOL POOL POOL POOL POOL POOL POO	OI, Gas OI Water	COAL WAS E	Inch 209 Cu. Ft. 24 hrs. bbls., lat 24 hrs. feet feet Top  O  O	Beres Sand  1 lbs.  1eet 1eet 1eet 1eet 2 loof 1eet Soft	10ths Merc. ir 57 450, 585 0-1020	Volume Volume Viesh water Alt water Alt water Alt water Anter
Remarks EEET 1NCHI FEET 76 INCHI FEET 76 INCHI	PES POOL POOL POOL POOL POOL POOL POOL POO	OI, Gas OI Water	COAL WAS E	Inch  LOG Cu. Ft.  24 hrs.  Lobls., 1st 24 hrs. feet feet Top  Top	Berea Sand L lba. feet feet feet feet Soft	Toths Water in 19ths Merc. in 27.	ock Pressure  ock Pressure  in  resh water  Lesh water  Action  formation
Remarks FEET 48 INCH. FEET 48 INCH.	PES POOL POOL POOL POOL POOL POOL POOL POO	OI, Gas OI Water	COAL WAS E	Inch LOG Cu. Ft. 24 hrs. Lobls., lst 24 hrs. feet feet Top  Top	See remarks  Berea Sand  Leet  feet  feet  Soft	Tracced - Toths Water in Toths Merc. in S7 LS0, S85	With Hydrs  With Hydrs  Oolume  Ook Pressure  If water 250  All water 2000  Al
Remarks FEET 48 INCH FEET 48 INCH	PES POOL POOL POOL POOL POOL POOL POOL POO	OI, Gas OI Water	COAL WAS E	Inch LOG Cu. Ft. 24 hrs. Lobls., lst 24 hrs. feet feet Top  Top	See remarks  Berea Sand  Leet  feet  feet  Soft	Tracced - Toths Water in Toths Merc. in S7 LS0, S85	With Hydra  Pon Flow  ook Pressure  il  resh water  zesh water  All water  Formation
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Perf. bottom Perf. bottom Perf. bottom Perf. bottom Direct Character Direc	PES POOLE SIZE	OIL Gas OOT Water	Liners Used————————————————————————————————————	Inch LOG Cu. Ft. 24 hrs. Lobls., lst 24 hrs. feet feet Top  Top	See remarks  Berea Sand  10et  1eet  1eet  Soft  Soft	shot From stracced - 10ths Water in 150, 585	ock Pressure  resh water  resh water  resh water  resh water  resh water  resh water  Apolomation  resh water  Apolomation  resh water  Apolomation  Formation
Remarks FEET 48 INCH FEET 48 INCH FEET DS	PES POOL POOL POOL POOL POOL POOL POOL POO	OI, Gas OI Water	S 1/2  Liners Used  CASING CEMH  CASING CEMH  FEET  FEET  TO  30	Inch LOG Cu. Ft. 24 hrs. Lobls., lst 24 hrs. feet feet Top  Top	To See remarks  See remarks  Leet  Leet  Leet  Soft  Soft	Hoths Water in 1522-51 11-22-5	ock Pressure  resh water  resh water  resh water  resh water  resh water  resh water  Apolomation  resh water  Apolomation  resh water  Apolomation  Formation
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Perf. top Perf. top Perf. bottom Perf. bottom  Perf. bottom  Derf. bottom	LES POOLE SIZE SIZE SIZE SIZE SIZE	OIL Water NCOUNTERED SOUTH STILL SOUTH STILL SOUTH STILL SOUTH STILL SOUTH STILL SOUTH STILL SOUTH SOU	SAME 1/2  COAL WAS ENTERING CEMH CASING CEMH CASING CEMH POTTOM  10  30	Inch LOG Cu. Ft. 2h hrs. Lobla., lst 24 hrs. feet feet Top	Address Wayne See remarks L lbs.  Iteet Seet Soft Soft	A 9-15-59 Shot From LT-22- Lioths Water in Toths Merc. in S7 LS0, 585 S7 LS0, 585	orilling commenced in the state of the state
Perf. top Perf. bottom Perf. bottom Perf. bottom Derf. bottom	Found	OIL Water Oil, Gas NCOUNTERED SUTED 2093 2111:21	Pottom  CASING CEMH CASING CEMH CASING CEMH CASING CEMH POTTOM THEFT POTTOM TO	Inch LOG Cu. Ft. 2h hrs. Lobla., lst 24 hrs. feet feet Top	Ed Workmand Mayne See remarks  Teet  I lbs.  Hard or  Soft  Soft	owned by  11-22-  11-22-  10ths Water in  10ths Merc. in  10ths Merc. in	orilling commenced billing commenced billing completed.  Sate Shot Mot so with Hydrs of the Flow ock Pressure in the Flow ock Pressure in the Flow of
Perf. top Perf. top Perf. bottom Perf. bottom  Perf. bottom  Derf. bottom	LES POOLE SIZE SIZE SIZE SIZE SIZE	OIL Water NCOUNTERED SOUTH STILL SOUTH STILL SOUTH STILL SOUTH STILL SOUTH STILL SOUTH STILL SOUTH SOU	SAME 1/2  COAL WAS ENTERING CEMH CASING CEMH CASING CEMH POTTOM  10  30	Inch LOG Cu. Ft. 2h hrs. Lobla., lst 24 hrs. feet feet Top	ddress Wayne  Ed Workman  Beres Sand  feet  feet  Soft  Soft	owned by  9-15-59  11-22-  10ths Water in 10ths Mere, in 57  120ths Mere, in 57  120ths Mere, in	Tineral rights are  Tineral rights are  Julling commenced  July at Stock Hot Stock  July at Stoc
Perf. top Perf. top Perf. bottom Perf. bottom  Perf. bottom  Derf. bottom	Found	OIL Water Oil, Gas NCOUNTERED SUTED 2093 2111:21	Pottom  CASING CEMH CASING CEMH CASING CEMH CASING CEMH POTTOM THEFT POTTOM TO	Inch LOG Cu. Ft. 2h hrs. Lobla., lst 24 hrs. feet feet Top	ddress Wayne  Ed Workman  Beres Sand  feet  feet  Soft  Soft	owned by  9-15-59  11-22-  10ths Water in 10ths Mere, in 57  120ths Mere, in 57  120ths Mere, in	Tineral rights are  Tineral rights are  Julling commenced  July at Stock Hot Stock  July at Stoc
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Depth set.  Perf. top  Perf. top  Perf. bottom  Perf. top  Depth set.  Depth set.  Depth set.  Depth set.  Depth set.	Found	OIL Water Oil, Gas NCOUNTERED SUTED 2093 2111:21	13	Top Cu. Ft.  Lop Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Leet  Leet  Leet  Leet  Leet  Leet  Leet  Leet  Loo  Loo	County Wayn ee by ddress Ed Workman ddress Wayne See remarks L lbs. feet feet Soft Soft	t is owned in the owned by the	Jistrict  The surface of trace
Remarks FEET 48 INCH FEET 48 INCH FORT, top Perf. top Derf. bottom Derf. top	LES POOLE SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	OIL Water Oil, Gas NCOUNTERED SOUTH 2093 S11121 S29171	10 30 10 30	An Va.  Jugaran Lach Log Cu. Ft.  Log Cu. Ft.  Loch Loch Loch Loch Loch Loch Loch Loc	County Wayneeb by Address Mayneeb Berea Sand Leet Leet Leet Soft Soft Soft Soft Soft	t is owned in the owned by the	Vell No. 4 (Ser District But The surface of trace of trac
Kind of Packer  Size of Perf. top Perf. top Perf. top Perf. top  Perf. bottom  Perf. top  The	LES POOLE SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	OIL Water Oil, Gas ACOUNTERED 2093 211121 229171	16 10 10 10 10 10 10 10 10 10 10 10 10 10	Top Cu. Ft.  Lop Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Leet  Leet  Leet  Leet  Leet  Leet  Leet  Leet  Loo  Loo	County Wayn ee by ddress Ed Workman ddress Wayne See remarks L lbs. feet feet Soft Soft	t is owned in the owned by the	Vell No b (Ser District But The surface of trace
Kind of Packer  Size of Perf. top Perf. top Perf. top Perf. top  Perf. bottom  Depth set  Depth set  Depth set	Found   Fou	OIL Water Oil, Gas NCOUNTERED SOUTH 2093 S11121 S29171	13	Elev 911.16  Top Cu. Ft.  24 hrs. Inch 18t 24 hrs. Inch 1	County Wayn ee by ddress Ed Workman ddress Wayne See remarks L lbs. feet feet Soft Soft	t is owned in t  owned by  11_22_  Shot From  IT_22_  Shot From  Itracced -  Ioths Water in  Ioths Mere: in  10ths Mere: in	Mell No L (Ser But A (
Size of  Berf. bottom  Perf. bottom  Perf. top  Perf. top  Perf. bottom  Perf. top  Perf. top  Perf. bottom  Perf. top  Perf. top  Perf. bottom  Perf. top  Perf. bottom	LES POOPER SIZE  S	OIL Water Oil, Gas NCOUNTERED ZOUT 2093 SILI 211 S291711 S291711	Size  16  18  19  COAL WAS EN  FEET  CASING CEMH  CASING CEMH  CASING CEMH  SAK S/8  SAK S/8	Acres 600	County Ways ee by ddress Ed Workma ddress Mayne See remarks Leet Leet Soft Soft	Workman  tis owned in t  tis owned by  9-15-5  11-22-  10ths Water in  10ths Water in  10ths Merc. in	Acation (waters)  Nell No. L. (Sermation (waters)  Nell No. L. (Sermation)  Interest rights are commenced trace of trace
Kind of Packer  Size of  Perf. top  Perf. top  Perf. top  Perf. bottom	LES POOPER SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	OIL Water Oil, Gas NCOUNTERED ZOUT 1250 229171 225171	Size   10   30   10   30   10   30   30   30	Acres 600	County Wayn ee by ddress Ed Workman ddress Wayne See remarks L lbs. feet feet Soft Soft	Workman  tis owned in t  tis owned by  9-15-5  11-22-  10ths Water in  10ths Water in  10ths Merc. in	Address Address Acation (waters) Ocation (waters)
Kind of Packer  Size of Perf. top Perf. top Perf. top Perf. bottom Perf. top Perf. bottom	LES POOPER SIZE  S	OIL Water Oil, Gas NCOUNTERED ZOUT 2093 SILI 211 S291711 S291711	Size  16  18  19  COAL WAS EN  FEET  CASING CEMH  CASING CEMH  CASING CEMH  SAK S/8  SAK S/8	Acres 600  Liet M. Va.  Top Cu. Ft.  Loo Cu. Ft.  Loo Cu. Ft.  Loch  Loc	County Ways ee by ddress Ed Workma ddress Mayne See remarks Leet Leet Soft Soft	Box 4158  Workman  Lial No. 99  List water in the by  More From  Liche Water in the Water in the Water in the by  Liche Water in the by  Lich Water in the by  Lich Water in the by  Lich Water in the by  Lic	Address A.

(19vO)

#### STATE OF WEST VIRGINIA

## DEPARTMENT OF MINES

OIL AND GAS DIVISION

#### INSPECTOR'S WELL REPORT

Permit No. 1 ay-980	agA		Oil or	Gas Well	ON RIMER
Company Owens Libber Owens	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS MAAN
Address Charliston Mga	Size			hozii lakat	Milling Ma
Address	16			Kind of Pacl	cer
Farm Filk Horkman	13	16	3003330		10000
Well No. 4-S1-955,	10	250/4	TIPLID OFA	Size of	
District Butter County Wayne,	81/4	529		Size or	CASE HILL CO
Drilling commenced Sept. 15-55,	65%			Depth set	
Drilling commenced	5 3/16			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Drilling completedTotal depth	3			Perf. top	
Date shotDepth of shot	2			Perf. bottom	I
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottom	1
VolumeCu. Ft.	CASING CEME	NTED	_SIZE	No. FT	Date
Rock pressure lbs. hrs.					
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water 180 feet 450 feet	FEET_	INCH	ES	_FEET	INCHES
Salt water 595 feet feet	FEET_	INCH	ES	FEET_	INCHES
Drillers' Names Olyde Oshum -	man	horne	. de	/	nestran vil
Drillers' Names Clydle Shull -	) fillo-c	name	) J rea	Cey,	
Remarks:					
Remarks:  Drilling at 9	35 fus	4,			
15 16 17 18 19 3					
Cole of the state	3				
10-6-55 ERECEIVEL	324				
10-6-55 BUEST VIRGINIA	528	0.0,	allen		
DATE TOF MINES	(A)			DIST@2/02/2	Nergotor
Lec 1866					

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS DIVISION

### INSPECTOR'S PLUGGING REPORT

Permit No.	-				We	II No	
COMPANY	6 I/Q		ADD	DRESS			La old Herica
		DISTRI	СТ	CC	UNTY		
			BARGET		- 10 de 10 de 10 - N	31,38%	Company
Filling Material Used			- 188		100 miles	L NEW	A ddress
Liner Lo	cation	Amour	nt	Packer	Location	ı	
PLUGS USED /	AND DEPTH PLACED	EAL TO		BRIDGES	CASIN	IG AND T	JBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONS	TRUCTION-LOCATION	RECOVERED	SIZE	LOST
			48	V. 100			Liniteit
Depth seasons				1 2 2 70		Llebase	nios mailliril
			37.83				
Per top				and digital last		halolo	enos maillad
				American Lode la	(fqs()	The second secon	Date shot
Left topi			well emmit	bs Water in Talk		12 W.01	ango fairial
Perf belloms				ha Merc in Inch			N
•				Hout to see the		midus te.	Open flow at
No. PT. L. Chile	2813	HATMAN	D DARLAS	34 (6)			smule?
				200	40 7 7 7 7 1		ugana dan
		C G U GOVERN		2011 1 2011 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	1 0 0 31 0 13 0	1 2 2 2 2 3 3 3		999			199000 31 37 3
Drillers' Names	and the latest the second	- 1 Tale	19. 19.	3-0	is it.		Later of the
Remarks:							
DATE	I hereby certify I	visited the	above well o	n this date.			

August 26, 1955

Owens, Libbey-Owens Gas Department P. O. Box 4158 Charleston, West Virginia

Gentlemen:

Enclosed are permits for the drilling of the following wells:

Permit No.	Well No.	Farm	District
Way-980	4-sr-955	G. W. Workman	Butler
Way-981	74-sr-930	Wilson Coal Land Co.	Lincoln

Very truly yours,

Administrative Assistant OIL AND GAS DIVISION

CNH: K Encl-2

CC: Inspector O. C. Allen

#### FERC-121

	T				
1.0 API well number: (If not available, leave blank. 14 digits.)		47-099	9-0980		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		108 Section of N	IGPA	NA Category Code	-
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)			NA	feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name P, (	ustrial Gas O. Box 1473 rleston		25 3 2 5 State Zip Code	009283 Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	NA Field Nam Wayn County			WV State	
(b) For OCS wells:	NA Area Nam	Date of Lea		NA Block Number  NA OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	G	W. Work	nan 4-	955	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	NA				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	i	ddendum "A" ille Indust:		*.	N/Available Buyer Code
(b) Date of the contract:			1,2,2,6, Mo. Day	7 <sub>1</sub> 3 <sub>1</sub>	
(c) Estimated annual production:			.6	MMcf.	
		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: See Addendum ''A'' (As of filing date. Complete to 3 decimal places.)		1.283	0.051	0.003	1.336
8.0 Maximum lawful rate:  (As of filing date. Complete to 3 decimal places.)		2.243	0.302	0.0	2.545
9.0 Person responsible for this application:  Agency Use Only  Date Received by Wise Gency  FEB 2 979	Signature  02 / 1	28/79 ication is Complete	-06 hs	Tiele	n Couns <u>el</u>

WELL DETERMINATION REPORT	
WELL OPERATOR: Industrial Gas Corporation 00928	_
FIRST PURCHASER: Houdaille Industries, Inc.	
OTHER:	
W. Va. Department of Mines, Oil & Gas Division Resected - no production sine agril 1978 WELL DETERMINATION FILE NUMBER	
- 790228-108-099-0980 - 790228-108-099-0980	
Use Above File Number on all Communications  - Relating to Determination of this Well  - Relating to Determination of this Well	
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
ITEM NO.	
1 FERC-121 V Items not completed - Line No.  2 IV-1 - Agent William C. C. C. C. T. Town	
	5
3 IV-2 - Well Permit .	
4 IV-6 - Well Plat	
5 IV-35- Well Record / Drilling / Deepening	
6 IV-36- Gas-Oil Test: Gas Only V Was Oil Produced? No Ratio —	
7 IV-39- Annual Production 2 years	
8 IV-40- 90 day Production 87 Days off Line:	
9 IV-48- Application for Certification. Complete?	
10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Signed	/
18 - 28 Other: Survey Logs Geological Charts Structure Map	
1:4000 Map Well Tabulations Gas Analyses	
1:4000 Map Well Tabulations Gas Analyses  Commenced: 9-15-55  (5) Date Gas Analyses Deepened	
(5) Production Depth: 1399-1410, 1418, 1427 /1506, 1598, 1663, 2112, 2116, 2	119
(5) Production Formation: Big Lime Grey Injun Bro. sand Bere	·a
(5) Initial Potential:	
(5) Static R.P. Anticary:	
(6) Other Gas Test:	
(7) Avg. Daily Gas from Annual Production:	
(8) Avg. Daily Gas from 90-day ending w/1-120 days	
(8) Line Pressure: PSIG from Daily Re	
(5) Oil Production:From Completion Report 02/02/2024	
(10-17) Does lease inventory indicate enhanced recovery being done:	
(10-17) Is affidavit igned! Notarized?	
Does official well rec: with the Department confirm the submitted information?	
Additional Information Does computer program confirm?	
- L. O. dm CONTILL:	

inc.

Was Determination Objects to: By Whom?

#### ADDENDUM "A" TO FERC-121

Remarks Continued - These remarks relate to items 6.0 (a) and (b), 7.0, and Other Purchasers/Contracts.

Applicant operates an intrastate pipeline system in West Virginia and produces, purchases, gathers, transports in such system, and sells natural gas to a few selected industrial firms for use in their manufacturing plants. The gas produced from the well covered by this application is not expressly dedicated under any specific gas sales agreement or to any specific customer, but rather comprises a small part of Applicant's general system supply. Such gas is gathered into Applicant's intrastate system and there commingled and pooled with gas from numerous other wells owned by Applicant, gas purchased by Applicant from third parties, and with exchange gas owned by a third party and received by Applicant for redelivery of like volumes in kind. Such pooled and commingled gas is delivered to the four (4) respective plants of Applicant's purchasers, Houdaille Industries, Inc., Huntington Alloy, Inc., Owens-Illinois Inc., Libbey-Owens-Ford Co.; and to nonpurchasers, Indian Creek Gas Co. and Ashford Gas Company for the account of Cabot Corporation under an existing exchange agreement between Applicant and Cabot. Because of the foregoing, the production from the well covered by this application cannot be identifiably or definitely tied to any of the receiving parties mentioned. For informational purposes, the four sales contracts under which indeterminate quantities of gas from the well in question could be delivered from time to time depending on changing operating conditions, market demand, etc. are set forth alphabetically in Item 6.0 and in "Other Purchasers/Contracts". The contract price set forth in Item 7.0 is an arithmetical average price per MmBtus under said four contracts as of February of 1979.

	L REPORT OF MONTHLY PRODUCTION-197A  GAS VOLUMES IN MFC 2 14.73  OIL IN DARRELLS 2 60 DEGREES  Industrial Gas Corporation 18	AVG. FLOW PRESSURE 23 SHUT-IH PRESSURE NA TOTALS	50. 93 67 59 79 80 045 902	J- A- A S 0- N D 01L	18 37 29 28 32 29 355	•.
	ANHUAL REPORT OF CAS VOLID OF ERATOR I Industria	4-955 COUNTY: Wayne AV	69 76 84 65		27 31 32 28	
IV-39-WC	STATE OF WEST VIRGINIA SENATTIENT - MINES SIVISION - OIL AND GAS	47-099-00980 API FARM ! Workman	GAS MFC 81 99	01t 88t J- F- M-	DAYS OHLINE 30 34	
			22.01	1161		

TOTALS	386		366
	0.45	016	
NA	0	-0	30
ESSURE	0	-	30
SHUT-IN PRESSURE	0	-	27
33 S	0		35
URE	0	Î	31
AVG. FLOW PRESS	0		30
AVG.	0		30
	0	-	32
	87	-	30
	93		28
	94		27
	112		36
	MFC	386	DAYS ONLINE
	CAS	016	DAYS

SUMMARIZATION SCHEDULE Section 271, 804 (b)

In accordance with Section 271.804(b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS AZ-099-0358; 47-099-0988; 47-099-1015; 47-099-1019; 47-099-1205; 47-090-1206

02/02/2024

1978



# State of West Virginia Bepartment of Mines Oil and Gas Division Charleston 25305

099-0980

THEODORE M. STREIT

ADMINISTRATOR

WALTER N. MILLER DIRECTOR

November 30, 1983

Mr. Howard Kilchrist, Director Division of Producer Audits & Pricing

FERC - Room 6100 825 N. Capitol Street, N.E.

Washington, D. C. 20426

RE: Section 108 Filings

Dear Mr. Kilchrist:

As stated in the attached letter of Cabot Oil & Gas Corporation dated August 1, 1983, several filings for stripper wells were rejected due to a misinterpretation of production.

After review of the applications and a clarification of "production days", the Administrator finds that the listed wells should have been certified as stripper wells under Section 108 of the NGPA.

These filings are enclosed for your inspection.

Sincerely,

Theodore M. Streit, Administrator

Office of Oil and Gas

TMS/osh

Enclosures

cc: Mr. Ed Hindman

Cabot Oil & Gas Corporation

P. O. Box 628

Charleston, WV 25322



#### CABOT OIL & GAS CORPORATION OF WEST VIRGINIA

1100 CITY CENTER WEST POST OFFICE BOX 628 CHARLESTON, W. VA. 25322 TELEPHONE 304/347-1600

August 1, 1983

AUG 1 1 1983

DEPT. OF MINES

Mr. Theodore M. Streit, Administrator Office of Oil and Gas 307 Jefferson Street Charleston, West Virginia 25325

Dear Mr. Streit:

Some time ago Industrial Gas Corporation (IGC) made stripper filings on very low producers which, although continuously in line, did not produce measurable quantities of gas during the 90 day qualifying period. The filings were rejected because of "no production." Under FERC Orders No. 44 (August 22, 1979) and No. 188 (November 16, 1981), clarifying "production days," I believe they should have been certified as stripper wells. I understand a number of other wells so rejected were reprocessed and qualified in the light of these orders. Sadly, none of the following were in that group:

Well Name	AP I#	Date Filed	Date Rejected
Allen & Pryor #23	47-005-0388	2/28/79	10/11/79
Cassingham #16	47-005-1163	2/28/79	10/12/79
Cassingham #22	47-005-0312	2/28/79	10/11/79
Collins, Louisa #7	47-099-0860	2/28/79	10/10/79
Hoard-Baldwin #38	47-099-0977	2/28/79	10/10/79
Little Coal B-9	47-005-1144 47-005-0250	2/28/79	10/12/79
Peytona Coal #22 Prichard, E. R. #9	47-005-0250	2/28/79 2/28/79	10/11/79 10/19/79
Wilson Coal #68	47-099-1270	2/28/79	10/19/79
Workman, G. W. #4	47-099-0980	2/28/79	10/10/79

As present operator of these wells, we request these filings be qualified and forwarded to FERC for certification. Please note the wells listed on the IV-39 forms are not in fact averaged with the subject well. Production was allocated from the master meter according to monthly flange tests taken on each well.

Enclosed are 121, IV-39 and well determination forms for each well. As we do not have the originals, I assume they are in your possession.

Please keep me informed of the actions taken on this matter.

Sincerely,

Ed Hindman

EH: 1vm

cc: H. Baird Whitehead William J. Powell



Julius C. Olzer

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES CHARLESTON

August 26, 1955

Owens, Libbey-Owens Gas Department P. O. Box 4158 Charleston, West Virginia

Gentlemen:

Enclosed are permits for the drilling of the following

wells:

Way-980 4-Sr-955 Way-981 74-Sr-930

G.W. Workman Wilson Coal Land Co.

District

Butler Lincoln

Very truly yours,

Administrative Assistant OIL AND GAS DIVISION

CNH: K Encl-2

CC: Inspector O. C. Illen



DEPARTMENT OF MINES
CHARLESTON

August 26, 1955

Julius C. Olzer

Owens, Libbey-Owens Cas Department 7. O. Box 1158 Onarleston, West Virginia

(men'il amen;

Enclosed are persits for the inilians of the rollowing

wells:

Jointaid

Butler miconal Facen

O Workenson

Wilson Coal Land Co.

Perent No. 1911 No.

V #92-980 - 74-955

Very truly yours,

Administrative Assistant

CMH; K Encl-2

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