

DEPARTMENT OF MINES OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES, Charleston, W. Va.

FORM OG 1

Charleston, W. Va.	
Marian Burgess Leach et al	OWENS, LIBBEY-OWENS GAS DEPARTMENT
COAL OPERATOR OR COAL OWNER	NAME OF WELL OPERATOR
309 Lock Lane, Richmond, Virginia	P. O. Box 4168, Charleston 4, W. V.
ADDRESS	COMPLETE ADDRESS
Same	May 10, 19 60
COAL OPERATOR OR COAL OWNER	PROPOSED LOCATION
ADDRESS	<u>Lincoln</u> District
Same	Wayne
OWNER OF MINERAL RIGHTS	County
	Well No. 3 (Serial No. 1102) 82° 25
ADDRESS	Marian Burgess Leach et al
SENTLEMEN:	282 acres
The undersigned well operator is entitled to	drill upon the above named farm or tract of land for
il and gas, having fee title thereto (or as the same	drin upon the above named farm or tract of land for
il and gas, having fee title thereto, (or as the case January 2, 1959	e may be) under grant or lease dated
)Wens-Tllinois Class Co : Tith	by Marian Burgess Leach et al , to
May 1050	-Ford Glass Co, and recorded on the 23rd day
1200, 1979	in the office of the County Clerk for said County in
ook 50 , page 195 .	
The enclosed plat was prepared by a competent of be drilled for oil and gas by the undersigned well and County above named, determined by survey and and marks.	engineer and shows the proposed location of a well operator on the farm and in the Magisterial District courses and distances from two permanent points, or
The enclosed plat was prepared by a competent of be drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and on the drilled for oil beneath said farm or tract of land on which stries of the same, who have mapped their workings oal operators or coal owners (if any) above named at the drilling of a well at said proposed location, or which the drilling of a well at said proposed location will care of the drilling of a well at said proposed location will care of the drilling of a well at said proposed location will care of the drilling of a well at said proposed location will be drived for the drilling of the drilling	believes there are no coal operators operating beds said well is located, or within 500 feet of the boundand filed their maps as required by law, excepting the as addressees. (if any) are notified that any objections they may ey are required to make by Section 3 of said Code, if use a dangerous condition in or about their respective rement of Mines within ten* days from the receipt of Department. Said coal operators are further notified furnished to them by the Department of Mines promptly as definitely as is reasonably possible the ground or the direction and distance the proposed location should
The enclosed plat was prepared by a competent be drilled for oil and gas by the undersigned well of and County above named, determined by survey and and marks. The undersigned well operator is informed and for coal beneath said farm or tract of land on which stries of the same, who have mapped their workings and operators or coal owners (if any) above named and the above named coal operators or coal owners are drilling of a well at said proposed location, or which the deal mines, must be received by, or filed with the Depart copy of this notice and accompanying plat by said I at forms for use in making such objections will be a request and that all such objections must set forth a counds on which such objections are based and indicate a moved to overcome same. (The next paragraph is to be completed only	believes there are no coal operators operating beds said well is located, or within 500 feet of the boundand filed their maps as required by law, excepting the as addressees. (if any) are notified that any objections they may ey are required to make by Section 3 of said Code, if use a dangerous condition in or about their respective rement of Mines within ten* days from the receipt of Department. Said coal operators are further notified furnished to them by the Department of Mines promptly as definitely as is reasonably possible the ground or the direction and distance the proposed location should in Department's copy.)
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*Section 3.... If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

1292

WAY-1292 PERMIT NUMBER



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DEPARTMENT OF MINES

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To The Department of Marsi Control V. Vi

OWENS, LIBBEY-OWENS CAS DEPARTMENT	Marian Turgece Leach ot al
MANATAN CAS CARANO TRACETA COMMITTO	
F. O. Box Wile, Charleston W. W. va.	309 Lock Lane, Richmond, Virginia
*SV . W . LOUGHER STEAMOD	
May 10,	
PROPOSED LOCATION	
Lincoln	
Wayne	Seme
Well No. 3 (Serial No. 1102) 82 812	
Marian Burgers Leach et al	
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by Marian Burgess Leach et al	
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in the others of the County Clerk for said County in	Book 50 199
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OWENS, TEBET-OWENS CAS DEPARTMENT	
P. O. Box 4168	
Charleston 4,	
	08/25/2023
West Virginia	00/20/2020

ten days from the receipt of and notice and plat by the department of units, within said period of more than the receipt of and more and plat by the department of units; to said proposed location, the department and latthwith assign to well operator a duling permit reciting the filmy of such plat that no objections have been reade by the coal operators to the location or found thereto by the department, and that the same is approved and the well operator adinocized to proceed to drill at and location.



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STATE OF WEST VIRGINIA

DEPARTMENT OF MINES CHARLESTON

May 21, 1960

Owens, Libby-Owens Gas Department P. O. Box 4168 Charleston 4, West Virginia

Att: Mr. A. H. Smith

Dear Sirs:

Enclosed are permits for drilling the following wells -

Permit No. Well No. Farm District

LIN-132h 1-S-1000 Mary F. Bess Washington

WAY-1291 73-S-929 Wilson Coal Land Co. Lincoln

WAY-1292 3-S-1102 Marion Burgess Leach et al Lincoln

Very truly yours,

CRAWFORD L. WILSON Director DEPARTMENT OF MINES

Assistant Director
OIL AND GAS DIVISION

MG/m enclosures cc Mr. James W. Pack, Inspector

> Mr. R. C. Tucker, Assistant State Geologist



DEPARTMENT OF MINES

CHARLESTON

May 21, 1960

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Spelored are peruite for drilling

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doludeli Ferrit No. Well No. Ferri

1-8-1000 Mary F. Boss god natheast UREI-HIA

73-3-929 Vilwon Coal Land Co. Missonell MAY-1291

alough to so desed approx person 2011-2-8 SUSI-TAN

Very hruly yours,

ROBLIN LI CHOTHAGO Director DEPARTMENT OF HIMES

BUISMIN BAD CHA STO

斯人经统 enclosures ed Mr. James W. Pack, Inspector

Mr. E. C. Troker, Assistant State Geologist

August 23, 1960

Mr. A. H. Smith, Chief Geologist Owens, Libbey-Owens Gas Department P. O. Box 4168 Charleston 4, West Virginia

Dear Mr. Smith:

The enclosed copy of Inspector Pack's report regarding your Well No. 3-SR.-1102 being drilled under Permit WAY-1292, is self-explanatory. As you see, Mr. Pack believes that there should have been bridges above shale and Berea before bridge at 1850' was set.

I do not have the well record as yet but am forwarding this to you for your attention.

Very truly yours,

CRAWFORD L. WILSON, DIRECTOR Department of Mines

Assistant Director
OIL AND GAS DIVISION

MG/b

cc: Mr. James W. Pack, Inspector

0/A. 1/A.

OWENS, LIBBEY-OWENS GAS DEPARTMENT

5793 MACCORKLE AVENUE

P. O. BOX 4158

CHARLESTON 4, WEST VIRGINIA



September 2, 1960

W. Va. Department of Mines Oil & Gas Division Charleston, West Virginia

Reference: Your letter August 23, 1960
Permit Wayne-1292, Well No. 3-SR.-1102

Attention: Mrs. Marie Griffith

Gentlemen:

I have investigated Mr. James W. Pack's report on the partial plugging of our Marian Burgess "C" No. 3 well (further identified above).

Upon completion of drilling, our field people reported the well "dry" through the Brown Shale. Thereupon instructions were sent by radio to set a bridge below the Big Injun Sand.

The drillers' log was received in this office after those instructions were given. We then noted that there was some gas in the Shale, approximately 300 cubic feet. Technically speaking, a bridge should have been set above the Shale, as Mr. Pack reports. However, since the gas volume was hardly a "show" and the bridge was already installed above the Berea Sand, it did not seem practical to drill out the bridge and thereafter set two bridges, one above the Shale and a new one above the Berea.

From a practical point of view, there seems to be little value to the Berea and the Shale as productive formations in that area, and if any gas is found in those horizons the well operator would normally produce them together, that is, no tubing would be installed with a packer between. The situation in our well, at the worst, is that the Berea Sand and the Shale are sealed together rather than separately. This condition would not necessarily adversely affect any operator or owner of the gas rights if and when these horizons should be found productive.

The existing plug above the Berea Sand and the fact that the 4-1/2 inch casing is solidly cemented through the Big Injun Sand are adequate assurance that no water or oil will be let in on the Berea and below.

These remarks are offered to point out that whereas we failed to strictly comply with the regulations, the circumstances are such that we think no damage has been done to ourselves or other gas right owners in the vicinity. We do not take any exception to Mr. Pack's report. As a matter of fact, this gives us an opportunity to state that our field superintendents and our drilling superintendent consider him to be one of the most capable and efficient inspectors the Oil and Gas Division has had for a long time. He is very much respected and well thought of.

We would appreciate your comments on this matter at your early convenience.

Yours very truly,

OWENS, LIBBEY-OWENS GAS DEPARTMENT

Mgr. Land, Engrg., Geol. Dept.

cc: Mr. AHS/ed Pack

OWENS, LIBREY-OWENS GAS DEPARTMENT

5793 MACCORKLE AVENUE

CHARLESTON 4. WEST VIRGINIA



September 2, 1960

W. Va. Department of Mines Oil & Gar Division Charleston, West Virginia

Beference: Your letter Angust 23, 1960 Permit Wayme-1292, Well Mo. 3-38.-1102

Attention: Mrs. Harie Or frith

CHOIRGE - HOW

I have investigated Mr. James W. Fack's report on the partial plugging of our Martin Burgess "G" No. 3 well (further identified above).

Upon completion of Crillian, our field recold recorded the well "dry" through the Drown Shale. Thereupon instructions were sent to redic to set a bridge below the Big In'm Aund.

The drillers' log was received in this office after those instructions were given. We then noted that here was come gas in the Shale, approximately 300 cubic feet. Technically speading, a bridge should have been set above the Shale, as Mr. Feet reports. However, since the gas volume was hardly a "show" and the pridge short already installed above the Neres Sand, it did not seem precised to drill out the pridge and morratter set two bridges, one show the shale and a new one above the Berea.

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your comments on this matter at your early convenience.

Yours very truly,

ONENS, LI SELY-OVERS CAS DE ARTMENT

08/25/2023

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gr. Land, Dagrg., Geol. Dept.

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Total Depth 3106 Total Depth 3106 Setting bridge from 1850 to 1760'. Put 2 bags of cement on top. T-28-60 Put 2 bags of cement Put 3 bags Packer Well open 7 Hrs. Test: 83 MCF S-4-60 Test in 5 Hrs: 85 MCF S-4-60 Test in 5 Hrs: 85 MCF S-4-60 Put 3 bags Put 3	Slate	White	Soft	3086	3106	das pay joo	- 3010	J40 C4:10:
Setting bridge from 1850 to 1760'. Put 2 bags of cement on top. 7-28-60 Pulled 5½' casing & Packer Well open 7 Hrs. Test: 83 MCF 8-1-60 Test in 5 Hrs: 85 MCF 8-4-60 Test in 5 bottom Used 20 bags cement \$ bags Aquagel Gas 11.5 MCF 8-10-60 Dowell, Inc. fractured Big Injun Sandusing 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Test: 8-20-60 Test: 1982 MCF 8-20-60 Test: 8-20-60	+ Marmation			200		Oil Grea	Trespain.	Komarie I
Put 2 bags of cement on top. 7-28-60 Pulled 5½ casing & Packer Well open 7 Hrs. Test: 83 MCF 8-1-60 Test in 5 Hrs: 85 MCF 8-4-60 Installed ½ casing at 1749'5" 2 - ½ centralizers set 12' & 75' off bottom Used 20 bags cement & 5 bags Aquagel Gas 8-10-60 Dowell, Inc. fractured Big Injun Sandusing 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½ tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC				Total Dept	h 3106		#100ml	
7-28-60 Pulled 5½ casing & Packer Well open 7 8-1-60 Test in 5 Hrs: 85 MCF 8-4-60 Installed ½ centralizers set 12' & 75' off bottom Used 20 bags cement & 5 bags Adwagel Gas 64-10-60 Dowell, Inc. fractured Big Injun Sand using 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½ tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC Final Open Flow:	Se .		Laut	300				
Pulled 5½ casing & Packer		10-519	1604	1600			of cement on	top.
Fulled $\frac{1}{2}$ casing & Facker Well open 7 Hrs. Test: 83 MCF 8-1-60 Test in 5 Hrs: 8-4-60 Installed $\frac{1}{2}$ " casing at $\frac{17}{49}$ '5" 2 - $\frac{1}{2}$ " centralizers set $\frac{12}{2}$ ' & 75' off bottom Used 20 bags cement 5 bags Aquagel Gas. 8-10-60 Dowell, Inc. fractured Big Injun Sand acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled $\frac{1}{2}$ " tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC	011			bble, the ga has.	1 V 1877 12 2 2			
Well open 7 Hrs. Test: 83 MCF	Exchangement	#30	30M					
Test in 5 Hrs: 8-4-60 Installed 4½" casing at 1749'5" 2 - 4½" centralizers set 12' & 75' off bottom Used 20 bags cement 5 bags Aquagel Gas 11.5 MCF 8-10-60 Dowell, Inc. fractured Big Injun Sandusing 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test: 8-20-60 Test: 8-20-60 Test: 8-20-60 Test 6 Hrs. Final Open Flow:	Volume 1 2 coll.	1	7300	THAT ON BY			Hrs. Test:	83 MCF
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off bottom Used 20 bags cement 5 bags Adjuagel Gas 8-10-60 Dowell, Inc. fractured Big Injun Sand using 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC		wa Bir I	A Stan 8-10-60			Installed	42 casing	101 0 751
Used 20 bags cement & 5 bags Aquagel Gas -11.5 MCF 8-10-60 Dowell, Inc. fractured Big Injun Sand using 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test: 8-20-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC Final Open Flow:			14				cralizers se	0 75. 60 ().
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Gas 8-10-60 Dowell, Inc. fractured Big Injun Sand using 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½ tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC	And the commons			·	X	Used 20 b	ags dement	œ
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Dowell, Inc. fractured Big Injun Sand using 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC						8-10-60	21.00	- II. O MCr
using 50,000 lbs. sand, 250 gal. mud acid, 15 gal. detergent, 800 bbl. water 8-15-60			Wanter D	7 4 4 4 5 14			no fracture	d Rig Thim Sand
acid, 15 gal. detergent, 800 bbl. water 8-15-60 Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC			r deser					
8-15-60 Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC	The six factor to	let is owned in	AN PA			acid 15 co	determent	800 hhl water
Installed & Pulled 1½" tubing at 716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC	District Time	oju	MSPATT	G			r. de cer gent	, ood bor. water.
716'9" 8-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC				A STATE OF THE PARTY OF THE PAR			& Pulled 11	" tubing at
B-19-60 Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC	recognou (mareta)		3300)	1100 03			e Latter 15	ountile at
Test: 8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC Final Open Flow:				torica military				
8-20-60 Test 6 Hrs. After Blowing Well: 1647 MC Final Open Flow:	10000	n Burgess	11611	Pt. 597				1982 MCF
Test 6 Hrs. After Blowing Well: 1647 MC	Andres P.	O. Home Hill	0, Charlesto	d 4, W. Vo.			14.93	TOC NOT
Final Open Flow:							After Blowi	ng Well: 1647 MCT
	The second secon					Test O HIS.	HT OGT DTOMT	MCTT. TOAL MOT
	Permit No.	-54				Final Open	Flow:	5,140
	A.	412.2		ARETON				

APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT, Owner

By C. W. Daw

A. H. Smith, Mgr (Title) Land, Engrg. & Geol.



DEPARTMENT OF MINES OIL AND GAS DIVISION /9

Wayne Quadrangle_

Big Lime

White

Hard

WELL RECORD

Permit No. Way-1292	WELL F	RECORE	Final Oper	Oil or G	as Well GAS (KIND)
Company OWENS, LIBBEY-OWENS GAS DE Address P. O. Box 4168, Charleston	1 4, W. Va.	Casing and Tubing	Used in Drilling	Left in Well	Packers
Well No. 3 (Serial No. 1102)	cresPt. 557	Size	2619" 2619"	9 × A013'90	Kind of Packer
District Lincoln County Wayne The surface of tract is owned in fee by Address		13 10 8½ 5/8	463'2"	463'2"	Hole Size of $5\frac{1}{2} \times 7 \times 8$
Mineral rights are owned by Mrs. Marian B. 309 Lock Iane Address Richmo		538XD6X ½ 9 4½	1447'11" 1743'6" 1749'5"	1447'11" Pulled 1749'5"	Depth set
Drilling commenced 6-1-60 Drilling completed 7-20-60 Date Shot From To		$\frac{1}{2}$ Liners Used	716'9"	Pulled	Perf. top
With Fractured Big Injun 8-10-60 Open Flow /10ths Water in /10ths Merc. in		CASING CEM	ENTED_	SIZĖ	Perf. bottom No. Ft. Date
Volume Big Injun 1,647 Rock Pressure 430 lbs. 38	M_Cu. Ft. hrs.		Nell open	D AT 408	FEET 48 INCHES
	feet feet			CHES	FEET INCHES
Uard or			Oil Con	Donth	

Salt water		feet	feet	FEET INCHES FEET INCH			
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface	Red	Soft	0	5	Gere 2007 3005	- 30%	346 ca.r.
Slate	White	Soft	->>5	35	Teet 3030.	>>>	109 cm
Sand	White	Med.	- 35	221	God west god	DOME 1	300 40 6
Slate	White	Soft	221	310			
Sand	White	Med.	310	400	proper representation	news miles	
Slate	White	Soft	400	408	CT01 OF 317	Send IM 26	
Coal	Black	Soft	408	412			
Slate	White	Soft	412	420			
Sand	White	Med.	420	460			
Slate	White	Soft	460	471	6-8-60		
77006	A 214 Y TO	COLU	9394	0333 C3FF	Installed	8-5/8" casi	ng at 463' on
82.75	OFC!	CONTRA	2005	0001	shoe	Send In 22	5
Sand	White	Soft	471	482	CUTSAL OFFICE	Cows TH 90	
Slate	White	Soft	482	492			
Sand	White	Med.	492	518	Water 510-5	15', 1 B. in	2 Hrs.
Slate	White	Soft	518	533	× 1		
Sand	White	Med.	533	565			
Slate	White	Soft	565	578			
Sand	White	Soft	578	617			
Slate	White	Soft	. 617	745			
Sand	White	Soft	745	755	TTOT TI-0	T1.00.	
Slate	White	Soft	755	810	ATTAGET DE	ofer parcen	POTS BUCKEL B
Sand	White	Med.	810	860	TTD SSTTOM	Sa cernia	e ing a sec
Slate	White	Soft	- 860	932	1-17-00		alfaixa.
Salt Sand	White	Med.	932	1075	Gas 997'		22.1 MC
Slate	White	Soft	1075	1085	ess Teen-Tel	5	125 MCF
Salt Sand	White	Med.	1085	1100	Trees Tole;	78910	Pot carr
Slate	White	Soft	1100	1139	dee Tobs.	678910	ne man
Salt Sand	White	Med.	1139	1349	Tope Tolo.	P. 1081	25/2023
Slate	Blue	Soft	1349	1361	TSED TOSS.	NOV 1960	200 ca. I
Sand	White	Hard	1361	1405	DIW TOLO	Sond La 130	- =
Little Lime	Grey	Hard	1405	1419	W CUE JAGO-TE	RECEIV	ED SAL CAME
Little Lime	White	Hard	1419	1430	TERINITE !	S WEST VIRE	MIA GG AIN
Pencil	Black	Soft	1430	1433	0-50-00	DEPT. OF MI	HES SO
						100	100

1623

1433

06.11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

ermit No. 2 May 1292			Oil or	Gas Well 3-5-	1102
a La Gardand	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	SALVE OF THE
Box 4168 Plant to My	Size				71 718
Address Charleston, M. Ma.				Kind of Packer_	
Parm Marion Burgess	16				demid .
Well No. 3 - 5 - 1102	10	9'wood	13 1	Size of	
Q. D. 2001	81/4	463		18234 x 0 1 153 x 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second
1 10 1	65%	1450		Depth set	
Orilling commenced 4/2/60	5 3/16			0300112045	
Orilling completedTotal depth	3			Perf. top	0
Date shotDepth of shot	2		2000	Perf. bottom	97
Initial open flow	Liners Used		(C)	Perf bottom	3/
Open flow after tubing/10ths Merc. inInch			-	Perio Bottom	
	1	ENTED	SIZE	No. FT	Date
volume	CASING CL				
Rock pressurelbshrs					NCHES
Oilbbls., 1st 24 hrs	. COAL WAS	ENCOUNTERE	D AT 4/0	FEET V	NORES
Oil	t FEI	ETINC	CHES	FEET	NCHES
Salt water 1042 feet fee	t FEI	ETINC	CHES	FEET	INCHES
Mariana Dames				2.2	ann vil
Drillers' Names					
Remarks: 1 1 pand 930 to	1410 4	Ries lin	ne 14	33 to 16	23
Salt	45 9	2164	7 to 1	649 20 U	
big injun sand to	-16,111 2	" Plate	ata	lept 1007	1707
platt. Increase W	10	1) san	d.		
Drilling deph 1707	anjun	1	-		
		/ //	1 1	TOLO	
6/29/60		JI	N'I	DISTRICT WELL IN	SPECTOR

DEPARTMENT OF MINES

OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No	197			Wei	I No	Frank List
COMPANY			ADDRESS			
FARM	MIT 7 8 1 4 40 7	DISTRIC	ГСС	OUNTY		
Filling Material Used						
Liner Loc	cation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
		1.12.				
1,500,000						
			2010.0		Live Tring	
761 Taga 1					. Adding	res parilli
- 1465 to 12 2 7 15 1						
			TOTAL SEPTEMBER OF			
Q	- Parties	WINNIE THE STATE OF THE STATE O			- 1000	
		191 27.21	20151.3 p. 08 20 1			
				wif.		
TELEVISION TRANS	A Se TA HORSTon	ranss .				
1271-77						
	227772	1000				
rillers' Names	·					
	t the recombination had been a secured to					
emarks:						
() that we will						
DATE	hereby certify I v	risited the abov	re well on this date.			

DEPARTMENT OF MINES

OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit NoWAY-1292			91 361 501 451 TERED AT 410 INCHES INCHES INCHES INCHES AT 410 INCHES INCHES INCHES INCHES AT 410 INCHES I	Gas Well Gas
Company Owens Libby Owens Gas Dept.	CASING AND TUBING	USED IN DRILLING		PACKERS
Box 4168 Charleston 4, W. Va.	Size			Dank Tarraball galling
FarmMarion Burgess	16		dolfAno	Kind of Packer
Well No. 3 SR-1102	13	ot	TOP TO GHA.	and a publication of the control of
District Lincoln County Wayne	81/4	4361	550A	Size of
Drilling commenced 6-2-60	65%	14501		Depth set
Drilling commenced	5 3/16	1745		
Drilling completedTotal depth	3			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
Volume 163,000 Cu. Ft.	CASING CEME	NTED	SIZE	No. FTDate
Rock pressure 450# Injuns. 48 hrs.				
Oilbbls., 1st 24 hrs.	COAL WAS EN	NCOUNTERED	AT 410	FRET 60 INCHES
Fresh water 275 feet feet	FEET	INCF	HES CO	FIRT 1960 INCHES
Salt water 1042 feet feet	FEET.	INCH	HES R	FEET VED INCHES
Drillers' Names Norman Vance			Ed.	EPT. OF MINES
E. A. Hager				51311313
Remarks: Salt Sand 930'-1400'; Big Lime I Sand 1647'; 1707', 16/10 Water 2"; bott Brown Shale 2331'-2400'; Braden Headed Rock Pressure on Injun Sand 450#. Dril	com of Injun Injun Gas be	sand 1730 tween 6-5/	; Berea S	and 2218'-2295'; 3/16" Casing.

7/19/60

DISTRICT WELL INSPECTOR 08/25/2023

DEPARTMENT OF MINES

OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No				Well	No	
COMPANY	10 (2) 10 (2)		ADDRESS			with serve
		DISTRICT	Jan 20	COUNTY		
ARM				99	Lixol	_ y repair
filling Material Used			* 458	Targe food	Over Lee	20 20 AL
iner Lo	cation	Amount	Pacķer	Location	noite	
PLUGS USED A	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
	102	r	9.JVjski	mac	nreonn	
the drawlf	12.4			002	al samme	100 2011
	CA).	-	LANGE FOR COLUMN ASSET	N 35 4		
			- Mer			
			toda in the state of the state	io Agrii		stuis or
		5	Value In 2 In a limited II	791	v.st	
			42			June 13 van
			1000			
C. L. Transis A.	1:3818	ISENSEC!	SHAD BELLEVILLE	000	ctor	H (CI
			8,4	mijaI %0	est .	
0)	0.54					
HIMI ME TO THE PERSON OF THE P						
ign of consider	E FEITHER			7.1		
Prillers' Names					nor	
		A. Vicini and Company				and the same of the same
Remarks:				one V me mai		
				T. A. Hager		
0.s in Injun 5.d 22181-2295!; -3/16" Ossing. ?•	un Sand lók5'; 1730'; lerea en 6-5/8" und 5 0'- Erown Snale	.23°; Inju oga ogu es betwee oth- 27%	001; Big Limo le s'-lo Veter 20; bottom of I Eradon Meaded Injen G and 450 . Orilling do	Sand 930'-14 1707', 16/10 2351'-2400': con injun 6	Selt Selt Selt Selt Selt Selt Selt Selt	
	Therefore and the T	wisited the -1	have well on this date			
DATE	_ I hereby certify I	visited the al	bove well on this date.			

DEPARTMENT OF MINES OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit	No.	WAY-	1292

Oil or Gas Well 3-S-1102

Owens Libby Owens Gas Dept.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company Box 4168 Charleston 4, W. Va.	Size			chesUniverse Madelia
Farm Marion Burgess, et al	16		A STATE OF STATE	Kind of Packer
Well No. 3-S-1102	13	91 wo	d	82.863.8
TEGS SAFE GERGINGUES MOSTADILINGOLOGIS	10	4361	G 550V/	Size of
District Lincoln County Wayne	81/4	14501		
orilling commenced 6-2-60	65/8	17451	pulled	Depth set
Orilling completed 7-21-60 Total depth 3106:	5 3/16_ 4-1/2"	17491	Pulled	Perf. top_ 1684 *
Date syd 8-10-60 Depth of shot 1760	2			Perf. bottom
nitial open flow 14 /10ths Water in 5/8 inch	a Liners Used		3	Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
olumeCu. Ft.	CASING CEME	NTED 20	sqcks 4	No. FTDate
cock pressure 430 lbs. 38 hrs.	5 sack	aquage:	1.	
bbls., 1st 24 hrs.	COAL WAS EN	COUNTEREI	AT 410	FEET 60 INCHES
Fresh water 275 feet feet	FEET_	INC	HES	FEETINCHES
alt water 1042! feet feet	FEET_	INC	HES	FEETINCHES
Orillers' NamesNorman Vance				Ti meres
E. A. Hager				
Remarks: Well drilled to 3106. We Bridge set @ 1850, 120 ft. below it was all open hole from 1850 t above the Shale and Berea. Well	Injun San	d. The There sh	drillers ould have	informed me e been bridges

8-10-60

DEPARTMENT OF MINES

OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	_				Wel	No	
COMPANY	5 HU (9)		ADD	RESS			off frame
FARM	PLTSU MICS	DISTRIC	Т	CO	UNTY		
FARM					TOI:	Total	a. Whater and
Filling Material Used			302	V (i)	A restrict	A CONTRACTOR	enochite
Liner Lo	ocation	Amount		Packer	Location	goins	W
PLUGS USED	AND DEPTH PLACED			BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONS	RUCTION-LOCATION	RECOVERED	SIZE	LOST
	:02.1		219	97709		lound	
10.00	765 ulled				C	Linorosis	id scient
Per ten 1934:	1672	19	5\I-1	GOTT THE GREAT LETS.	00-12-		soo galderi
nered days				100VI logs to s	med_00-0		Miles
(198-3)		- i bi		L (vå/\Z)	-1		itano e
BONDS TO THE				deres in the complete with			L Wall insuc
and grant was	- 20 sqc.s 1	THE PARK A ME	AVC124	# 5 (#F)			nuele.
	Leagu	acias a	3 2		. 08		
	OLA	araner to	Transition of the state of the	Confunction		1	
		* 2			75		
Drillers' Names					•		
Dimers Names							
Remarks:				n Vence			
				act all			
m i arrived. i tormed me re boen orideos rols water and		daried .busu enT . beres	BEW Dajai Siooi	to 3106: 120 ft. Below 2 from 1450: 5 22reg. Bell	driled 1850', open shol		
al and	_ I hereby certify I				. Lines	.86.3	50,000
DATE							

1.0 API well number: (If not available, leave blank. 14 digits.)	47-099-1292				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		108 Section of NGP	Ā	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.)	P, O	strial Gas (, Box 1473 leston	Corporation . WV Sta	25325 Te 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 Name Wayn County			WV State	
(b) For OCS wells:	NA Area Name	Date of Leas		NA Block Number NA OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Mar	ian Burges	ss "C" 3-	1102	
(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.)	Houdaille industries, inc.			N/Available	
(b) Date of the contract:	1,2,2,6,7,3 Mo. Day Yr.				
(c) Estimated annual production:	1		10). 5 MMcf.	
		(a) Base Price (S/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 3 3 6
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 Juris. Agency	Name Signature		Charlton Co Kall	The same of the sa	on Counsel
Date Received by FERC	02 / 28 / 79 (304) 342 - 8166 Date Application is Completed Phone Number			6	

By Whom?

Was Determination Object: " o?

	Date	02/28	19 79
STATE OF WEST VIRGINIA	Operator's Well No.	3-1102	
DEPARTMENT OF MINES, OIL AND GAS DIVISION	API Well No. 47	. 099 -	1292

WELL CLASSIFICATION FORM

STRIPFER CAS WELL
NGPA Section 108

	DESIGNATED AGENT N	Villiam C. Charl	ton
	ADDRESSP	O. Box 1473	
		Charleston, WV	25325
WELL OPERATOR Industrial Gas Corporation	LOCATION: Elevation	on 1,120.37'	
ADDRESS P. O. Box 1473	Watershed	Not Available	
Charleston, WV 25325	Dist. Lincoln co	ounty_ Wayne	Quad. Wayne
GAS PURCHASER *	Gas Purchase Con	tract No.*	
ADDRESS	Meter Chart Code	R0437	
	Date of Contract	*	* .
		FERC-121 - Adde	

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

(See Attachment)

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

All records required to determine production by meter stations are maintained in Charleston, West Virginia.

B&O Tax Records are located in Charleston, West Virginia, our Boston, Massachusetts office and the Houston, Texas office.

Royalty payment instructions are located in Charleston, West Virginia office and Houston, Texas office.

FORM IV-56WC (Reverse) [12-78]

Describe the search made of any records listed above:

I have made a diligent search of the production records located in Charleston, West Virginia. They were the records utilized in making the determination herein.

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes No_X . If yes, indicate the type and source of the information.

AFFIDAVIT

I. Lawrence B. Mentzer , having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

2. 73.20/

STATE OF WEST VIRGINIA.

COUNTY OF Kanawha . TO WIT:

I. Charlotte I. Mathews, a Notary Public in and for the state and county aforesaid, do certify that Lawrence B. Mentzer whose name is signed to the writing above, bearing date the 28 day of February, 19 79, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 28 day of February, 19 79.

My term of office expires on the 5th day of December, 1985.

08/25/2023

ha Intle I. Malkens

[NOTARIAL SEAL]

FORM IV-48WC (12-73)	STATE OF WEST VIRGINIA	Date February 28 , 1979
	T OF MIMES, OIL AND GAS DIVISION	Operator's Well No. 3-1102
STATE API	PLICATION FOR WELL CLASSIFICATION	API Well No. 47 - 099 - 1292 Previous File No. NA (If Applicable)
WELL OPERATOR Industrial Gas Corp. ADDRESS P. O. Box 1473	ADDRESS P. O.	
Charleston, W. Va. 253	Charles	ston, W. Va. 25325
Meter Chart Code R0437 Name of First Purchaser *	and Date (Month, day and	year)
(City)	(Street or P. O. Box)	Zip Code)
FERC Seller Code 009283	FERC Buyer Code	

(*See FERC-121 Addendum "A")

William C. Charlton Division Counsel

Name Frint
Signature

P. O. Box 1473
Street or P. O. Box
Charleston, W. Va. 25325
City State (Zip Code)

(1) Initial determination (See FERC Form 121.) 108

(2) Determination that increased production is the result of enhanced recovery technology.

(304 342-8166 Area Phone Number

(Certificate of Proof of Service to Purchaser)

See Separate Certificate Attached

(All of the above to be completed by the Operator/Applicant)
(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).
The Department of Mines has received a request. for certification of the above described well as meeting the requirements of Section under the Natural Gas Policy Act of 1978. (NGPA): for for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).
All interested parties are hereby notified that on the <u>day of</u> , 19, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.
This Application is assigned File No
Initial review of information submitted indicates the well is is not entitled to certification as claimed under the Natural Cas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.
Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.
WEST VIRGINIA DEPARTMENT OF MINES

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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

API NUMBERS 47-099-1218; 47-099-1260; 47-099-1292; 47-099-1355; 47-099-1369; 47-099-1387

08/25/2023

1977

IV-39-WC

1978

September 8, 1960 Mr. James W. Pack, Inspector Oil and Gas Wells Hamlin, West Virginia Dear Jim: Enclosed is copy of letter from Mr. A. H. Smith of Owens, Libbey-Owens Gas Department dated September 2, explaining the open hole from 3106' to 1850' about which you reported on August 10 (Permit WAY-1292). I don't have the well record yet and I cannot check until I get it. Do you think Mr. Smith's report is satisfactory? Very truly yours, CRAWFORD L. WILSON, DIRECTOR Department of Mines Assistant Director OIL AND GAS DIVISION MG/b Enclosure 08/25/2023 66

September 15, 1960

Mr. A. H. Smith Owens, Libbey-Owens Gas Department P. O. Box 4158 Charleston 4, West Virginia

> Subject: Permit Wayne-1292, Well No. 3-SR.-1102 Your letter September 2, 1960

Dear Mr. Smith:

Thank you, very much, for your letter with reference to the above-mentioned subject.

Your explanation clears the matter and is approved.

We appreciate your reference to Mr. Pack's ability as an inspector as we too think he is one of the best the Department has ever had.

Thank you again for your cooperation.

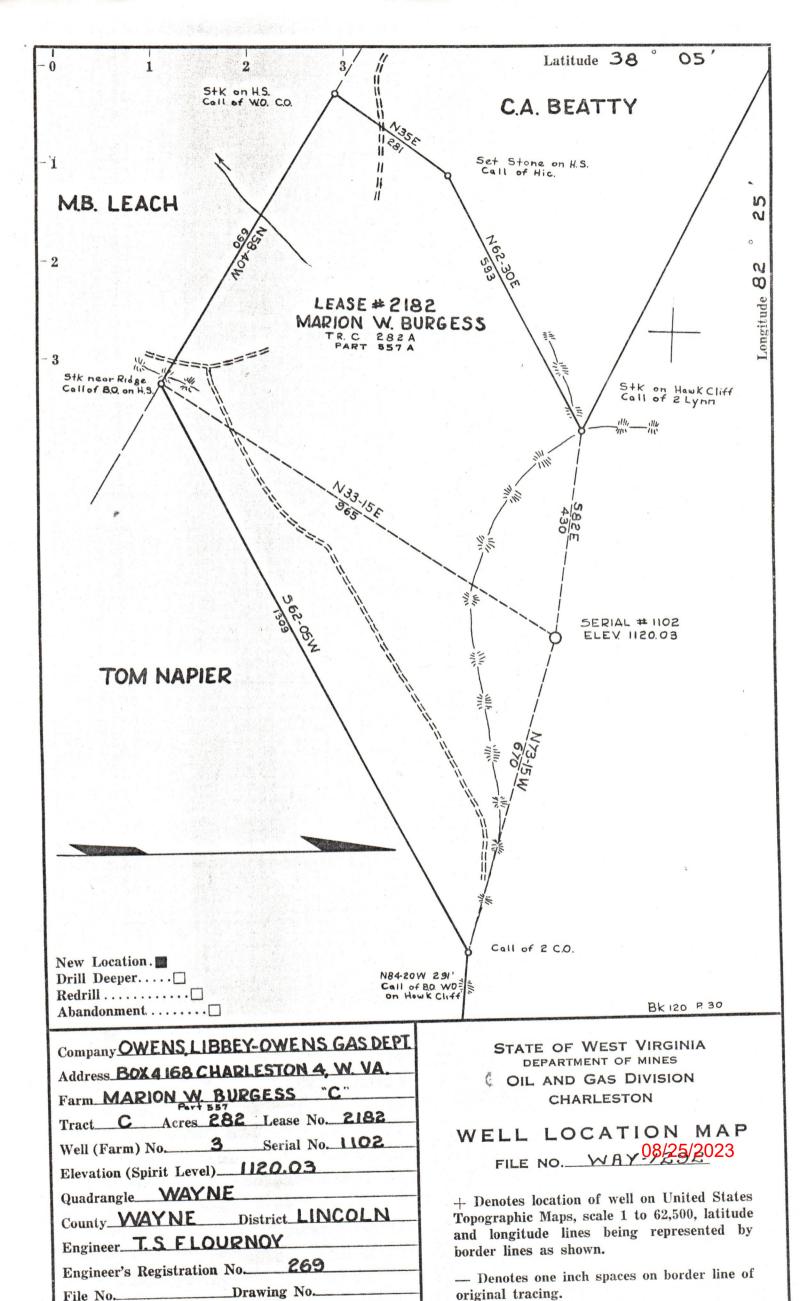
Very truly yours,

CRAWFORD L. WILSON, DIRECTOR Department of Mines

Assistant Director OIL AND GAS DIVISION

MG/b

cc: Mr. James W. Pack, Inspector



Date MAY 10, 1960 Scale 1"= 200'