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Form OP-77
Obverse

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA
Department of Energy
Charleston, West Virginia 25311

ARCH A. MOORE, JR.
Governor

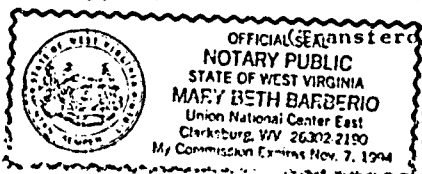
Commissioner

This is to acknowledge that the wells listed on the Exhibit hereto attached are hereby transferred from OWENS-ILLINOIS GLASS CONTAINER INC. (the transferor) to NOUMENON CORPORATION 34710 (the transferee). The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22B, Article 1 of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells. The transferee's designated agent (name) Stephen K. Shuman, President, (address) 256 High Street, Morgantown, WV 26507-0842, is on file with the Division of Oil and Gas. The transferee has bonded the said wells by securities, cash, or surety (circle one) bond identified below by amount, effective date, issuing authority, and any identifying number. Bond # 498G256A \$50,000.00 issued by The Travelers Indemnity Company

(Transferee) NOUMENON CORPORATION

By: Stephen K. Shuman
Its: President

Taken, subscribed and sworn to before me this 3rd day of June, 1988
Notary Public Mary Beth Barberio
My commission expires March 7, 1994



OFFICIAL (SEE TRANSFER) OWENS-ILLINOIS GLASS CONTAINER INC.
By: Frank Maland
Its: Vice President, Area Manufacturing Manager

Taken, subscribed and sworn to before me this 2nd day of June, 1988
Notary Public Dianne M. Gempel
My commission expires August 27, 1991

DIANNE M. GEMPEL
Notary Public, State of Ohio
My Commission Expires August 27, 1991

ACCEPTED THIS 9th DAY OF June, 1988
BY: [Signature]
Director - Division of Oil and Gas

INSTRUCTIONS

1) Attach a photo copy of the location of the well on a 7.5 minute Quadrangle with the corresponding Longitude and Latitude.
 2) Designate the location of the well with the symbol(+).

I, the undersigned, Hereby certify that this plat is correct to the best of my knowledge and belief.

SIGNED Don Toothman
 Don Toothman
 TITLE Foreman

DATE October 15, 19 87

OPERATORS WELL NO. 32

API WELL NO. 47-049-0849

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (i.e. "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION WATER SHED
 DISTRICT Lincoln COUNTY Marion
 QUADRANGLE

SURFACE OWNER ACREAGE

OIL & GAS ROYALTY OWNER Howard Minor Ice LEASE ACREAGE 48
 LEASE NO. 238

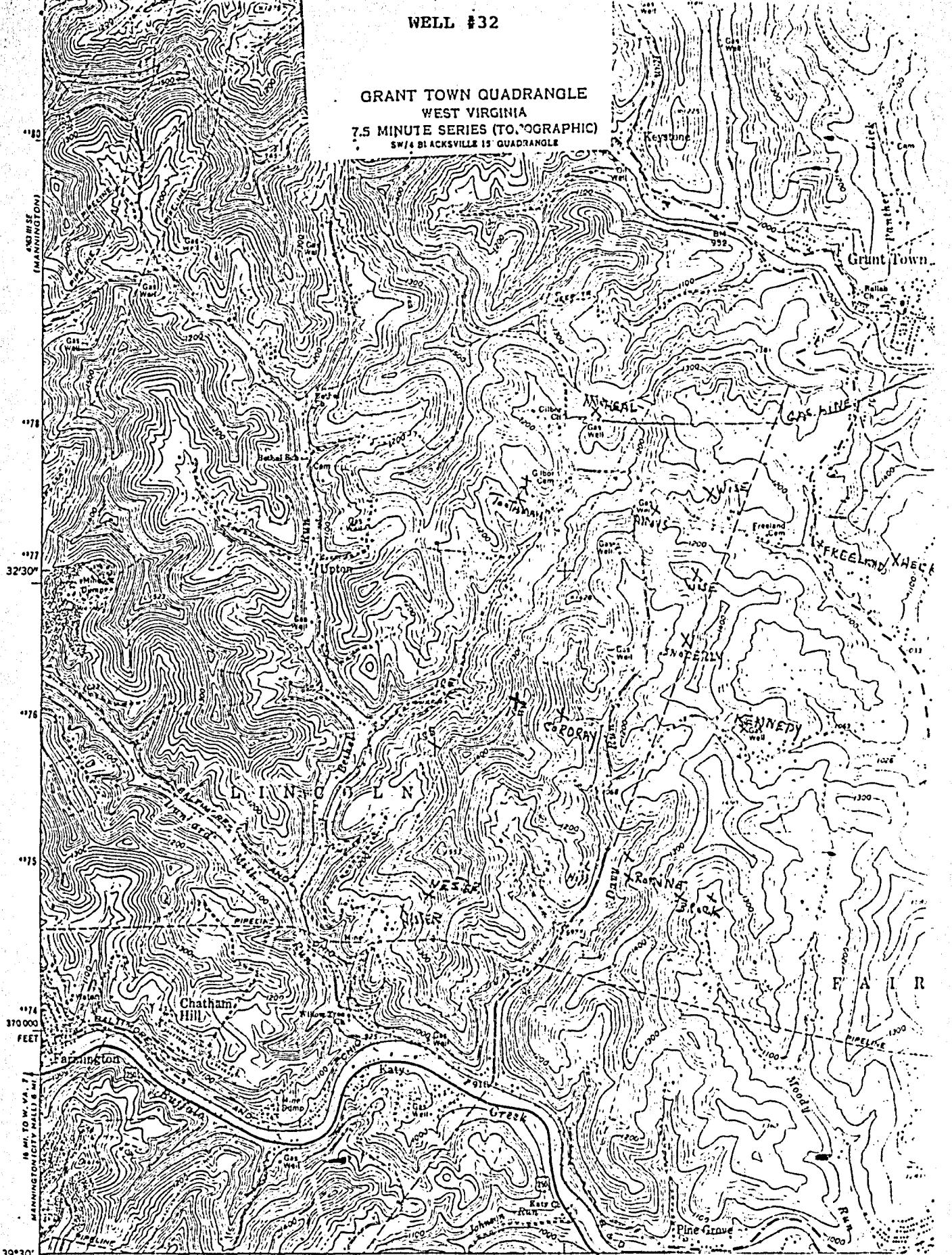
PRODUCING FORMATION Fifth sand TOTAL DEPTH 3014

WELL OPERATOR Owens-Illinois DESIGNATED AGENT Joe Ammons

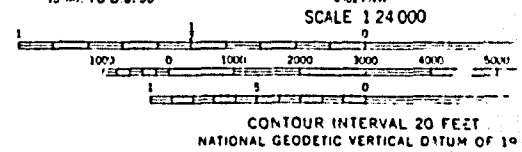
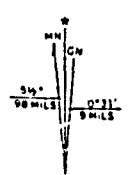
ADDRESS 151 Grand Avenue ADT Joe Ammons, Agent
Clarion, PA 16214 P.O. Box 555
 Revesville, WVa. 26588

WELL #32

GRANT TOWN QUADRANGLE
WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW 1/4 BLACKSVILLE 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1917. Field check 1960
Polyconic projection. 1927 North American datum
10,000-foot grid based on West Virginia coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
Red tint indicates area in which only landmark buildings are shown
Revisions shown in purple compiled from aerial photographs
taken 1975. This information not field checked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VA
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAIL

47-049-0849

THE OWENS BOTTLE COMPANY

Serial Well No. 11332 Lease No. 708738

API WELL NO. 47-049-0849

RECORD OF WELL No. <u>1</u> on the				CASING AND CONDUCTOR		GAS WELL				
Ice Hairs	Farm of 48	Acres		SIZE	USED IN DRILLING	LEFT IN WELL	18/10 water			
in Lincoln		District		Conductor			OPEN FLOW			
Marion		County		13"			in. 2 inch casing			
Fairmont		Field, State of W. Va.		10"	624'	624'	At Centre		At 1-7 Diam.	
				8 1/4"	1480'	1480'	Pounds	Ounces	Pounds	Ounces
Rig Commenced	June 24, 1922		19	8"			CLOSED IN			
Rig Completed			19	7 1/2"			2" Tubing Casing			
Drilling Commenced	August 3,		1922	6 1/2"	1900'	1900'	1 Min.			Pounds
Drilling Completed	October 13,		1922	6 1/4"			2 Min.			Pounds
Drilling to cost		per foot		5 1/4"			3 Min.			Pounds
Contractor is:				5 1/8"			4 Min.			Pounds
Address:				4 1/2"			5 Min.			Pounds
				2" Tubing 1000'	1000'					Rock Pressure Pounds
Drillers' Names	J. N. Kennedy Pearl Toothman William Wood			Shot		19	OIL WELL			
				Size of Torpedo			Size of Rods			
				Size of Tubing	2	inch	Kind of Rods			
				Size of Packer	2 x 6 5/8 x 16"		Wells Abandoned and plugged			
1st DAY'S PRODUCTION				Kind of Packer	Anchor					
Gas calculated to be		180,000	cu'ic feet	Set	1904	ft. from Top				19
Oil flowed			barrels, pumped							

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS	DATE
Surface gravel	0	45	45		
Coal	45	50	5		
Lime shells	50	120	70	Hole full water 50 to 60'	
Bluff sand	120	190	70		
Slate	190	200	10		
Sand stone	200	206	6		
Slate and lime	206	244	40		
Hard lime	244	260	16		
Slate	260	290	30		
Lime	290	340	50		
Slate	340	370	30		
Lime shells	370	405	35		
Hard lime	405	465	60		
White slate	405	415	10		
Sand	475	490	15		
Slate	490	495	5		
Maple run coal	495	497	2		
White slate	497	510	13		
Black 1/2 lime	510	535	25		
White slate	535	570	35		
Black slate	570	612	42		
Pittsburgh coal	612	614	2		
Lime shells	616	638	22		
Slate	638	650	12		
Lime shells	650	700	50		

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

THE OWENS BOTTLE COMPANY

 Serial Well No. 118

 Lease No. 208

 RECORD OF WELL No. 1 on the
 Ice Hairs Farm of 48 Acres
 in District
 County
 Field, State of

CASING AND CONDUCTOR
GAS WELL
OPEN FLOW

in. inch casing

At Centre At 1-7 Diam.

Pounds Ounces Pounds Ounces

CLOSED IN

 Tubing
 Casing

in.

1 Min. Pounds

2 Min. Pounds

3 Min. Pounds

4 Min. Pounds

5 Min. Pounds

Rock Pressure Pounds

 Rig Commenced 19
 Rig Completed 19
 Drilling Commenced 19
 Drilling Completed 19
 Drilling to cost per foot
 Contractor is:
 Address:

 Conductor
 1 1/2"
 10"
 3 1/4"
 8"
 7 1/4"
 6 5/8"
 6 1/4"
 5 5/8"
 5 3-16"
 4 1/8"

Drillers' Names

Shot 19

Size of Torpedo

Size of Tubing inch

Size of Packer

Kind of Packer

Set ft. from

OIL WELL

Size of Rods

Kind of Rods

Wells Abandoned and plugged

19

1st DAY'S PRODUCTION

 Gas calculated to be 000 cubic feet
 Oil flowed barrels, pumped barrels

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS	DATE
Sand	700	730	30		
Red shale	730	737	7		
Lime shells	737	800	63		
Sand	800	820	20		
Slate	820	825	5		
Lime	825	850	25		
Sand	850	880	30		
Slate	830	892	12		
Sand and shells	892	928	36		
Lime shells	928	940	12		
Red shale	940	950	10		
Little dunkard sand	950	965	15		
Red stone	965	990	25		
Big dunkard sand	990	1025	35		
White slate	1025	1035	10		
Lime shells	1035	1050	15		
Sand	1050	1090	40		
Lime and slate	1090	1130	40		
Sand	1130	1155	25		
White slate	1155	1170	15		
White lime	1170	1190	20		
Whiteslate	1190	1245	55		
Black slate	1245	1265	20		
Lime shells	1265	1275	10		
Slate	1275	1310	35		

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

THE OWENS BOTTLE COMPANY

32
188

708

Serial Well No. _____ Lease No. _____

RECORD OF WELL No. 1				CASING AND CONDUCTOR			GAS WELL			
100 Heirs	Farm of	-48	on the Acres	SIZE	USED IN DRILLING	LEFT IN WELL	OPEN FLOW			
In			District	Conductor			in. - . inch casing			
			County	13"			At Centre		At 1-7 Diam.	
			Field, State of	10"			Pounds	Ounces	Pounds	Ounce
				8 1/4"			CLOSED IN Tubing Casing			
Rig Commenced			19	8"			1 Min.			Pounds
Rig Completed			19	7 1/2"			2 Min.			Pounds
Drilling Commenced			19	6 5/8"			3 Min.			Pounds
Drilling Completed			19	6 1/4"			4 Min.			Pounds
Drilling to cost		per foot		5 5/8"			5 Min.			Pounds
Contractor is:				5 3-16"			Rock Pressure			
Address:				4 1/8"						Pounds
Drillers' Names				Shot		19	OIL WELL			
				Size of Torpedo			Size of Rods			
				Size of Tubing		inch	Kind of Rods			
				Size of Packer			Wells Abandoned and plugged			
1st DAY'S PRODUCTION				Kind of Packer			19			
Gas calculated to be			000 cubic feet	Set		ft. from				
Oil flowed		barrels, pumped	barrels							

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS	DATE
Line	1310	1340	30		
First salt sand	1340	1390	50	Gas: 1380 to 1385' 10/10 water in 2"	
Slate	1390	1410	20	Blew out	
Second salt sand	1410	1630	220	Water: 1625 to 1630' 7 Bailers per hour	
Black slate	1630	1680	50	" : Hole full 1875 to 1880'	
Sand	1680	1670	10		
Slate	1670	1687	17		
Line shells	1687	1700	13		
Slate	1700	1722	22		
Line	1722	1740	18		
Red slate	1740	1760	20		
Line shells	1760	1810	50		
Red slate	1810	1820	10		
Gritty line	1820	1835	15		
Blue slate	1835	1845	10		
Hard line	1845	1872	27		
Blue slate	1872	1886	14		
Big line	1886	1955	69		
Injun sand	1955	2065	110	Gas: 2045' 8/10 water in 1"	
Slate	2065	2065	0	Blew down to 2/10 water in 1"	
Sand	2065	2080	15	when well was tuled	
Slate	2080	2100	20		
Line shells	2100	2150	50		
Sand	2150	2170	20		
Slate and lime shells	2170	2206	36		

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

THE OWENS BOTTLE COMPANY

Serial Well No. 132 Lease No. 258

RECORD OF WELL No. 1 on the
Ice Hairs Farm 48 Acres
 in District _____ County _____
 Field, State of _____

CASING AND CONDUCTOR

GAS WELL

Rig Commenced 19 _____ 8"
 Rig Completed 19 _____ 7 5/8"
 Drilling Commenced 19 _____ 6 3/4"
 Drilling Completed 19 _____ 6 1/4"
 Drilling to cost _____ per foot 5 5/8"
 Contractor is: _____ 5 3-16"
 Address: _____ 4 3/4"

SIZE	USED IN DRILLING	LEFT IN WELL
Conductor		
13"		
10"		
8 1/4"		
8"		
7 5/8"		
6 3/4"		
6 1/4"		
5 5/8"		
5 3-16"		
4 3/4"		

OPEN FLOW

In. At Centre		Inch casing At 1-7 Diam.	
Pounds	Ounces	Pounds	Ounces

CLOSED IN

in	Tubing	Casing
1 Min.		Pounds
2 Min.		Pounds
3 Min.		Pounds
4 Min.		Pounds
5 Min.		Pounds
Rock Pressure		Pounds

Drillers' Names _____

Shot 19 _____
 Size of Torpedo _____
 Size of Tubing _____ inch
 Size of Packer _____
 Kind of Packer _____
 Set _____ ft. from _____

OIL WELL

Size of Rods _____
 Kind of Rods _____
 Wells Abandoned and plugged _____
 19 _____

1st DAY'S PRODUCTION

Gas calculated to be _____ 000 cubic feet
 Oil flowed _____ barrels, pumped _____ barrels

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS	DATE
Lime shells	2206	2225	19		
Blue slate	2225	2228	3		
Lime shells	2228	2272	44		
Lime and slate	2272	2300	28		
Hard lime	2300	2335	35		
Sand shells	2335	2347	12		
Blue slate	2347	2360	13		
Slate	2360	2379	19		
Lime shells	2379	2400	21		
Sand shells	2400	2420	20		
Lime shells	2420	2450	30		
Gartz sand	2450	2495	45		
Slate	2495	2510	15		
Thirty foot sand	2510	2540	30		
Sand shells	2540	2630	90		
Blue slate	2630	2650	20		
Sand shells	2650	2675	25		
Slate	2675	2690	15		
Sand	2690	2725	35		
Slate	2725	2740	15		
Sand shells	2740	2760	20		
Lime shells	2760	2830	70		
Sand shells	2830	2850	20		
White slate	2850	2890	40		
Fourth sand	2890	2910	20		

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DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

THE OWENS BOTTLE COMPANY

 Serial Well No. 118

 Lease No. 708

RECORD OF WELL No. 1 on the				CASING AND CONDUCTOR			GAS WELL				
				SIZE	USED IN DRILLING	LEFT IN WELL	OPEN FLOW				
Ice Kairs	Farm of 48.	Acres	District	Conductor			in. Inch casing				
In			County	13"			At Centre ~		At 1-7 Diam.		
	Field, State of			10"			Pounds	Ounces	Pounds	Ounces	
				8 1/4"			CLOSED IN				
Rig Commenced		19		8"			Tubing Casing				
Rig Completed		19		7 5/8"			in				
Drilling Comenced		19		6 5/8"			1 Min.		Pounds		
Drilling Completed		19		6 1/4"			2 Min.		Pounds		
Drilling to cost	per foot			5 5/8"			3 Min.		Pounds		
Contractor is:				5 3-16"			4 Min.		Pounds		
Address:				4 1/2"			5 Min.		Pounds		
Drillers' Names					Shot	19	OIL WELL				
					Size of Torpedo		Size of Rods				
					Size of Tubing	inch	Kind of Rods				
					Size of Packer		Wells Abandoned and plugged				
					Kind of Packer						
					Set	ft. from					
1st DAY'S PRODUCTION											
Gas calculated to be		000 cubic feet									
Oil flowed	barrels, pumped	barrels									

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS	DATE
Slate and shells	2810	2870	60		
Fifth sand	2870	2968	28	Gas: 2974 to 2980' 30/10 water	
Lime shells	2968	3014	18	in 2". Blew down in 12 hours to 12/10 water in 2" when tubed.	
Total depth		3014		4' Perforated joint set 2977' from top.	

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

THE OWENS BOTTLE COMPANY

Serial Well No. 112 32 Lease No. 238

RECORD OF WELL No. 1 on the
 Farm of 48 Acres
 in Lincoln District
Marion County
Fairmont Field, State of W. Va.

Rig Commenced 19
 Rig Completed 19
 Drilling Commenced March 27, 1933
 Drilling Completed March 29, 1933
 Drilling to cost per foot
 Contractor is:
 Address:

Drillers' Names R. E. Thompson
J. N. Kennedy

CASING AND CONDUCTOR

SIZE	USED IN DRILLING	LEFT IN WELL
13"		
10"	624'	624'
8 1/4"	1460'	1460'
8"		
7 1/2"		
6 3/8"	1900'	1900'
6 1/4"		
5 1/2"		
5 3-16"		
4 3/8"		
2" Tubing 3080'		3080'

GAS WELL

OPEN FLOW			
5/16" water in 2" inch casing			
At Centre		At 17" Diam.	
Pounds	Ounces	Pounds	Ounces
CLOSED IN			
2" Tubing Casing			
1 Min.		Pounds	
2 Min.		Pounds	
3 Min.		Pounds	
4 Min.		Pounds	
5 Min.		Pounds	
Rock Pressure		not	Pounds

1st DAY'S PRODUCTION
 Gas calculated to be 120,000 cubic feet
 Oil flowed barrels, pumped barrels

Shot April 2, 1933
 Size of Torpedo 40 lbs.
 Size of Tubing 2 inch
 Size of Packer 2 x 3 5/8 x 16"
 Kind of Packer Gas Anchor
Set 1960 ft. from top

OIL WELL
 Size of Rods
 Kind of Rods
 Wells Abandoned and plugged
19

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS	DATE
Drilling commenced		3014			
Line shells and slate	3014	3125	111		
Total depth		3125			
				Hole filled with stems from 3085 to 3125 feet.	
				Diss set at 2950 feet.	
				Well shot from 2965 to 2985 feet.	

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 DEPARTMENT OF ENERGY