



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.

Ethel Goode  
COAL OPERATOR OR COAL OWNER

225 W. 33rd St., Huntington, W. Va.  
ADDRESS

\_\_\_\_\_  
COAL OPERATOR OR COAL OWNER

\_\_\_\_\_  
ADDRESS

Same  
OWNER OF MINERAL RIGHTS

\_\_\_\_\_  
ADDRESS

OWENS, LIBBEY-OWENS GAS DEPARTMENT  
NAME OF WELL OPERATOR

P. O. Box 4158, Charleston 4, W. Va.  
COMPLETE ADDRESS

April 7, 19 58  
PROPOSED LOCATION

Butler District

Wayne County

Well No. 1030 - 1 *Lat. 38° 10'*  
*Lon. 82° 30' Elev. 714.38'*

Ethel Goode Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, ~~having fee title thereto, (or as the case may be)~~ under grant or lease dated 10-31-54 made by Ethel Goode, to Owens-Illinois Glass Co. & Libbey-Owens-Ford Glass Co., and recorded on the 18th day of May, 1957, in the office of the County Clerk for said County in Book 47, page 111.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

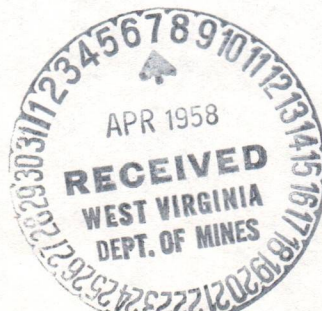
The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten\* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day ~~before~~ ~~at~~ on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,



Address of Well Operator }

OWENS, LIBBEY-OWENS GAS DEPARTMENT  
WELL OPERATOR

P. O. Box 4158  
STREET

Charleston 4,  
CITY OR TOWN

West Virginia  
STATE

08/18/2023

\*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.

1079



Formation	Color	Hard or Soft	Top 13	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	Light	Soft	805	843	Water at 830,		hole filling
Sand	White	Med.	843	973			
Slate	Light	Soft	973	976	Water level	197'	at 966'
Sand	Grey	Hard	976	995			
Sand	Light	Med.	995	1090			
Slate	Dark	Soft	1090	1098			
Sand	Light	Soft	1098	1134			
Sand	Light	Med.	1134	1165	SIM 1165 =		Sand IM 1164
Little Lime	Dark	Hard	1165	1182	Water level	197'	at 1182'
Big Lime	Light	Hard	1182	1341	Water level	195'	at 1295'
Sand	Grey	Med.	1341	1370			
Slate	Dark	Soft	1370	1376			
Sand	Grey	Med.	1376	1412			
Sl. & Shls.	Light	Med.	1412	1442			
Slate	Dark	Soft	1442	1448			
Gritty Shells	Dark	Soft	1448	1484			
Sand, Fine	Light	Soft	1484	1492			
Sand to Shells (coarse & gritty)	Light	Soft	1492	1503			
Gritty Lime	Dark	Med.	1503	1529	Ran 7" casing at 1529' and cemented in. Used 8 sacks aquagel and 25 sacks cement. Halliburton did work. 5-16-58 After 60 hours shut down bailed hole dry. Cement found 15 feet inside 7" casing. 5-19-58 Water at 1529', 5 gal. in 1 hr.		
Shells	Dark	Med.	1529	1531			
Slate	Dark	Soft	1531	1662			
Shells	Dark	Med.	1662	1673			
Slate	Grey	Soft	1673	1709			
Shells	Grey	Med.	1709	1719			
Slate	Grey	Soft	1719	1725			
Slate	Dark	Soft	1725	1748			
Shells	Dark	Med.	1748	1756			
Slate	Dark	Soft	1756	1893			
Shells	Dark	Med.	1893	1906			
Slate	Dark	Soft	1906	1944			
Coffee Shale	Dark	Soft	1944	1958			
Berea	Light	Hard	1958	1973	SIM 1959 = Sand IM 1957		
					Gas 1959		9.6 MCF
					Gas 1964		147
					Test 1968		125
					Test 1978		121
					Test 1978		120
					Test 1986		117
					SIM 1986 = Sand IM 1986		
					5-27-58 Shot with 200# Detonite from 1958 to 1973 ft. Tamped with 18' pea gravel. Time bomb set for 2 hours. Test before shot: 103 MCF		
					5-28-58 Cleaning out		
					Test 7:00 A.M.		316 MCF
					8:15 P.M.		150
					5-29-58 " 7:00 A.M.		140
					6:30 P.M.		125
					6-2-58 8:00 P.M.		147
					6-3-58 7:10 A.M.		133
					6-3-58 Shot well with 1200# Detonite from 1958 to 1974 ft. Tamped with 20' pea gravel. Time bomb set for 2 hours. Test before shot: 129 MCF. Did not blow out tamp.		
					6-4-58 Knocked out bridge at 7:30 A.M.		
					Test 7:45 A.M.		172 MCF
					8:30 P.M.		163
Sl. & Shls.	Dark	Soft	1973	1978			
Lime Shells	Dark	Hard	1978	1986			

Date July 17, 19 58

APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT, Owner

By A. H. Smith (Title) Geologist

08/18/2023





STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 13

Quadrangle Louisa

Permit No. Way-1079

WELL RECORD

Oil or Gas Well gas (KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
Address P. O. Box 4158, Charleston 4, W. Va.
Farm Ethel Goode "A" Acres 167
Location (waters)
Well No. 1 (Serial No. 1030) Elev. 714.38
District Butler County Wayne
The surface of tract is owned in fee by same Address
Mineral rights are owned by same Address
Drilling commenced 4-21-58
Drilling completed 6-10-58
Date Shot 5-27 & 6-3 From 1958 To 1973
With 200# & 1200# Detonite
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Berea 120 M Cu. Ft.
Rock Pressure 600 lbs. 168 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED

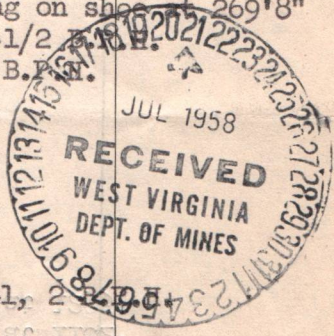
Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Packers. Rows include sizes 16, 13, 10 3/4, 8 5/8, 7, 5 3/16, 3 1/2, 2 and packer details like 'Oilwell' Comb. and sizes 3-1/2 x 7 x 16.

CASING CEMENTED 7" SIZE 1529 No. Ft. 5-14-58 Date

COAL WAS ENCOUNTERED AT 51 FEET 36 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED
RESULT AFTER TREATMENT 120,000
ROCK PRESSURE AFTER TREATMENT
Fresh Water 45, 100, 192, 290 Feet 300 Salt Water Feet

Main geological log table with columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Includes entries for Clay, Slate, Coal, Sand, and Bro. Sand with depths from 0 to 805 feet.



08/18/2023









STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION /3 A

Quadrangle Louisa

Permit No. Way-1079

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT  
Address P. O. Box 4158, Charleston 4, W. Va.  
Farm Ethel Goode "A" Acres 167  
Location (waters) \_\_\_\_\_  
Well No. 1 (Serial No. 1030) Elev. 714.38  
District Butler County Wayne  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 4-21-58  
Drilling completed 6-10-58  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

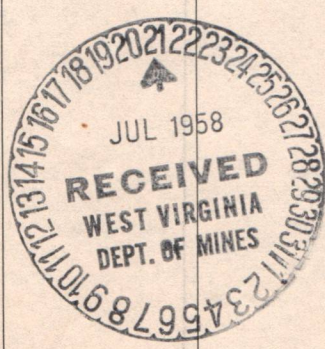
CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT	FEET	INCHES	
FEET	INCHES	FEET	INCHES
FEET	INCHES	FEET	INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Continued from previous page:							
Slate	Dark	Soft	1986	1988	6-5-58 Test	7:15 A.M.	150 MCF
						8:30 P.M.	137
					6-6-58 (71 hrs. A.S.)		125
Shells	Light	Hard	1988	1993	6-7-58	Shut well in.	
					6-9-58	Blew well at 7:45 A.M.	
						Test 10:45 A.M.	203 MCF
						11:30 P.M.	140
					6-10-58 Test	12:05 A.M.	122
	6-11-58 Test	8:30 A.M.	118				
		Total Depth	1993		SIM 1993 = Sand LM 1993		
					Set 3-1/2" tubing on bottom & picked up 18" set on Norris Hinderliter Head.		
					No packer used.		
					Test 54 Hrs. after tubing:	120 MCF	
					Well shut in at 1:30 P.M.		
					6-16-58 Well had water in it; probably a 7" casing collar leak. Will pull tubing & re-run with pkr.		
					Well shut in 115 hours.	R.P. 577#	
					Tests: 1 hr. after blowing	336 MCF	
					8 hrs. " "	172	
					Well shut in 16 hours.		
					6-17-58 Ran 3-1/2" "Oilwell" Comb. Wall & Anchor Packer at 1993 ft.		
					Final Open Flow:		
					Berea		120 MCF



08/18/2023



FERC-121

RECEIVED

FEB 28 1979

DEPT. OF MINES

1.0 API well number: (If not available, leave blank. 14 digits.)	47-099-1079			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA	NA Category	GAS DIVISION	
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.)	Industrial Gas Corporation Name P. O. Box 1473 Street		009283 Seller Code	
	Charleston City	WV State	25325 Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	NA Field Name Wayne County WV State			
(b) For OCS wells:	NA Area Name	NA Block Number	NA OCS Lease Number	
	Date of Lease: Mo. Day Yr.			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Ethel Goode "A" 1-1030			
(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.)	See Addendum "A" Houdaille Industries, Inc. Name		N/Available Buyer Code	
(b) Date of the contract:	1 2 2 6 7 3 Mo. Day Yr.			
(c) Estimated annual production:	.9 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 2 8 3	0 0 5 1	0 0 0 3	1 3 3 6
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.2 4 3	0.3 0 2	0.0	2.5 4 5
9.0 Person responsible for this application:	William C. Charlton Name Division Counsel Title <i>William C. Charlton</i> Signature 02/28/79 Date Application is Completed (304) 342-8166 Phone Number			
Agency Use Only				
Date Received by Juris. Agency				
Date Received by FERC				

08/18/2023



WELL DETERMINATION REPORT

PARTICIPANTS:

DATE: OCT 19 1979

BUYER-SELLER CODE

WELL OPERATOR: Industrial Gas Corporation

009283

FIRST PURCHASER: Houdaille Industries, Inc.

OTHER:

Quarries or Leitch 108 plugged well  
Discontinued last production was in March 1978

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
790228 - 108 - 099 - 1079  
Use Above File Number on all Communications  
Relating to Determination of this Well

New production 7/3/80 m.w.

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121  Items not completed - Line No. \_\_\_\_\_
- 2 IV-1 - Agent William C. Charlton
- 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  Was Oil Produced?  Ratio
- 7 IV-39- Annual Production 2 years
- 8 IV-40- 90 day Production 86 Days off Line:
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - (56) - 57 - 58. Complete  Affidavit Signed
- 18 - 28 Other: Survey  Logs  Geological Charts  Structure Map

1:4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_ Gas Analyses \_\_\_\_\_

(5) Commenced: 4-21-58  
Date Completed: 9-10-58 drill Deepened

(5) Fraced: \_\_\_\_\_  
Production Depth: 1959-64,

(5) Production Formation: Berea,

(5) Final Open Flow Initial Potential: 120 mcf

(5) Static R.P. After Frac: Initially: 600 #

(6) Other Gas Test: \_\_\_\_\_

(7) Avg. Daily Gas from Annual Production: 632 365 = 1.7 mcf, NO OIL

(8) Avg. Daily Gas from 90-day ending w/1-120 days 40 97 = 4.1 mcf, NO OIL

(8) Line Pressure: 34 # PSIG from Daily Report

(5) Oil Production:  From Completion Report

(10-17) Does lease inventory indicate enhanced recovery being done: NO

(10-17) Is affidavit signed?  Notarized?

Does official well record with the Department confirm the submitted information? Yes

Additional Information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_

Was Determination Objected to? \_\_\_\_\_ By Whom? \_\_\_\_\_

TC & AM



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date 02/28 19 79

Operator's Well No. 1-1030

API Well No. 47 - 099 - 1079  
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL  
NGPA Section 108

DESIGNATED AGENT William C. Charlton

ADDRESS P. O. Box 1473  
Charleston, WV 25325

WELL OPERATOR Industrial Gas Corporation

ADDRESS P. O. Box 1473  
Charleston, WV 25325

LOCATION: Elevation 714.38'

Watershed Not Available

Dist. Butler County Wayne Quad. Louisa

GAS PURCHASER \*

Gas Purchase Contract No. \*

ADDRESS

Meter Chart Code R0418

Date of Contract \*

\*See FERC-121 - Addendum "A"

\* \* \* \* \*

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.

08/18/2023



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 . 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.



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, 1979.

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

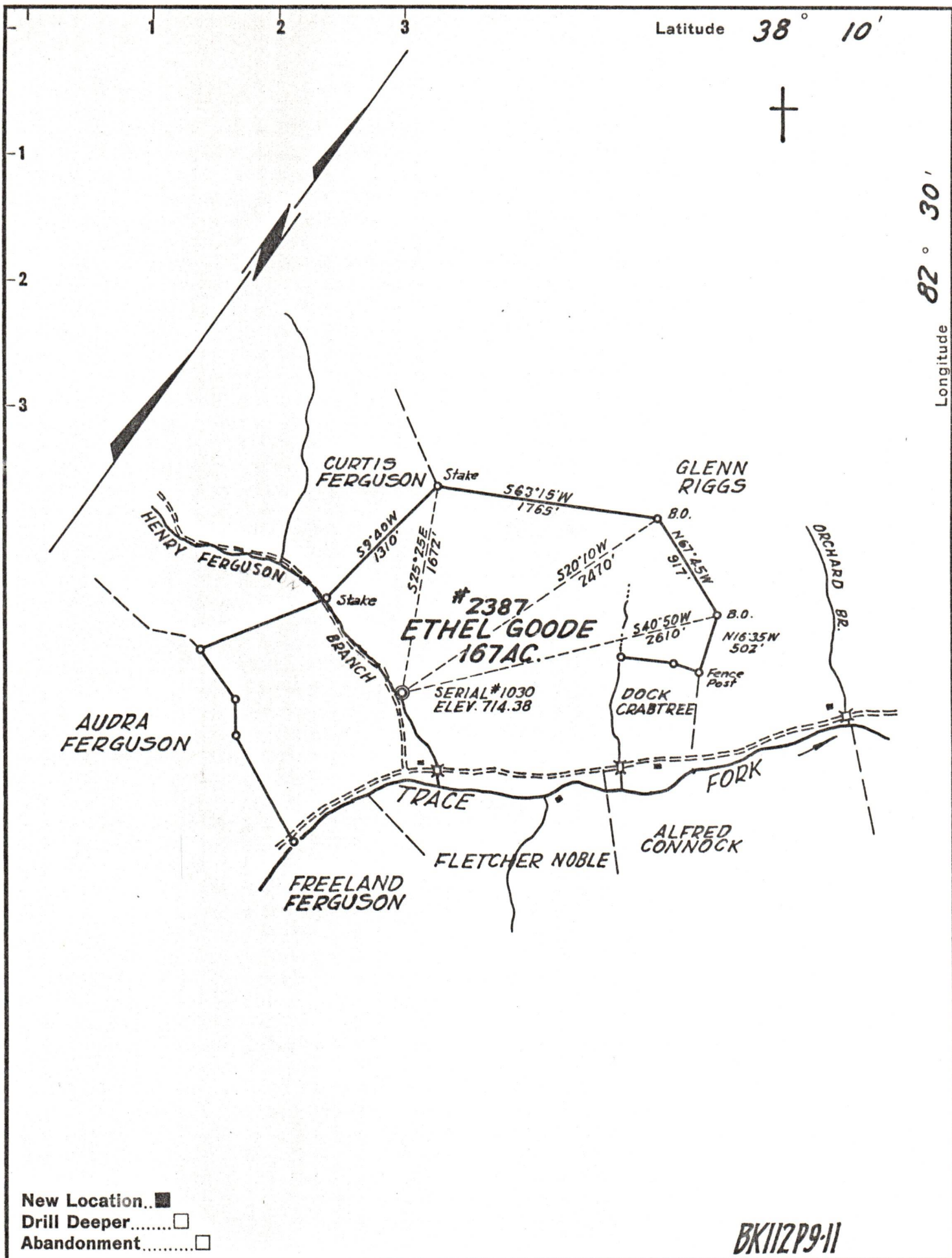
08/18/2023

Charlotte I. Mathews  
Notary Public









New Location..   
 Drill Deeper.....   
 Abandonment.....

BK112P9-11

Company OWENS, LIBBEY-OWENS GAS DEPT.  
 Address BOX 4158 CHARLESTON 4, W. VA.  
 Farm ETHEL GOODE  
 Tract \_\_\_\_\_ Acres 167 Lease No. 2387  
 Well (Farm) No. 1 Serial No. 1030  
 Elevation (Spirit Level) 714.38  
 Quadrangle LOUISA  
 County WAYNE District BUTLER  
 Engineer T. S. FLOURNOY  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date APRIL 2, 1958 Scale 1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. WAY-1079 08/18/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.