





DEPARTMENT OF MINES  
AND GEOLOGICAL SURVEY

NOTICE OF PROPOSED CATION OF OIL AND GAS WELL

Clifford Mills

Earl Booth, et al.

Wayne, W. Va.

Wayne, W. Va.

60

Nov 21st

Butler

Wayne

Earl Booth, et al.

Wayne, W. Va.

Earl Booth, et al.

Nov. 22nd, 1960

22nd

Clifford Mills

November, 1960

11 22

Clifford Mills

Wayne

West Virginia

RECEIVED  
OCT 25 1960

08/25/2023



December 8, 1960

Mr. Clifford Mills  
Wayne, West Virginia

Dear Mr. Mills:

Enclosed is Permit WAY-1333 for drilling Well  
No. F-1 on Earl Booth Farm, Butler District, Wayne County.

Please post one copy of permit at the well site  
and send us two copies of the well record when drilling is completed.

Please note the enclosed directive regarding  
casing of oil and gas wells.

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

08/25/2023



Formation	Color	Hard or Soft	Top 17	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Blue	Soft	2160	2333			
B. Shale	Brown	"	2333	2481			
W. Slate	White	"	2481	2520			
B. Shale	Brown	Broken	2520	2842			
W. Slate	White	"	2842	3042			
B. Shale	Brown	"	3042	3088			
Concretion	Dark	Hard	3088				

08/25/2023

Date Mar 22, 1961

APPROVED Chippard Mills, Owner

By Chippard Mills Owner  
(Title)





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 17

WELL RECORD

Permit No. Way 1333 Oil or Gas Well Gas  
(KIND)

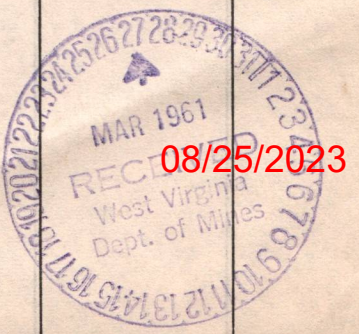
Company Chafford Mills  
Address Wayne Wva  
Farm Carl Booth Acres 131  
Location (waters) Tumbled Pole  
Well No. 1 Elev. 750  
District Union County Wayne  
The surface of tract is owned in fee by Carl Booth  
Address Wayne Wva  
Mineral rights are owned by same  
Address \_\_\_\_\_  
Drilling commenced Dec 10 - 1960  
Drilling completed Feb 20 1961  
Date Shot Feb 15 From 3088 To 2520  
With 5400 lb Powder

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Hookwall</u>
13			Size of
10		<u>24</u>	Depth set
8 1/4		<u>301-9</u>	
6 5/8		<u>1533</u>	
5 3/16			
3			Perf. top
2		<u>2032</u>	Perf. bottom
Liners Used			Perf. top
<u>Len Cyphon</u>		<u>2030</u>	Perf. bottom

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 50.000 Cu. Ft.  
Rock Pressure 8300 B. 520 lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 230 feet 260 feet  
Salt water 815- feet \_\_\_\_\_ feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 220 FEET 36 INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface	yellow	soft	0	20	Gas	1966-1976	16/10 W. 1 in
slate	blue	"	20	85-			
slate	white	"	85	100			
slate	blue	"	100	125.			
slate	white	"	125-	220			
coal	black	"	220	223			
slate	white	"	223	370			
slate	blue	"	370	385-			
slate	white	"	385-	430			
slate	blue	"	430	680			
slate	white	"	680	700			
slate	blue	"	700	750			
slate	white	"	750	932			
slate	blue	"	932	974			
slate	white	"	974	1098			
slate	blue	"	1098	1147			
L. Limestone	blue	hard	1147	1172			
B. Limestone	white	"	1172	1350			
O. Limestone	blue	"	1350	1529			
shell	"	"	1529	1539			
slate	"	soft	1539	1889			
shell	"	hard	1889	1900			
slate	"	soft	1900	1920			
B. shale	brown	"	1920	1966			
B. grit	grey	hard	1966	1976			
break shell	blue	hard	1976	1981			
break	blue	soft	1981	1983			
shell	"	hard	1983	2010			
S + shells	"	soft	2010	2022			
shell	"	hard	2022	2044			
slate	"	soft	2044	2090			
B. shale	brown	"	2090	2160			





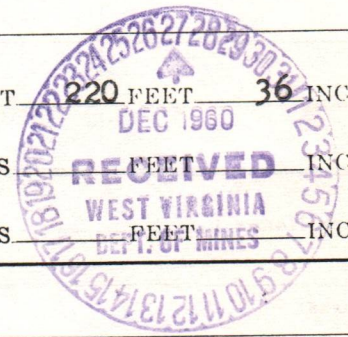
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. WAY-1333

Oil or Gas Well F-1  
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company <u>Clifford Mills</u>					
Address <u>Wayne, W. Va.</u>		Size			Kind of Packer
Farm <u>Earl Booth</u>		16			
Well No. <u>1</u>		13			
District <u>Butler</u> County <u>Wayne</u>		10	<u>24'</u>		Size of
Drilling commenced <u>11-13-60</u>		8 1/4	<u>301'9"</u>		Depth set
Drilling completed _____ Total depth _____		6 5/8			
Date shot _____ Depth of shot _____		5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch		3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch		2			Perf. top
Volume _____ Cu. Ft.		Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.					
Oil _____ bbls., 1st 24 hrs.		CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water <u>230</u> feet _____ feet		COAL WAS ENCOUNTERED AT <u>220</u> FEET <u>36</u> INCHES			
Salt water <u>825</u> feet _____ feet		_____ FEET _____ INCHES _____ FEET _____ INCHES			



Drillers' Names John Chadwick

H. Farley

Remarks: Salt Sand 700'-932'; Maxon Sand 974'-1098'; drilling depth- 1157'.

12-20-60

DATE

*J.W. Park*

DISTRICT WELL INSPECTOR

08/25/2023







DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Well was shot 2-15-61 from 2520 to 3088 with 5400 # Gelatin.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Surface	yellow	soft	0	20	
Slate	blue	soft	20	85	
Sand	white	soft	85	100	
Slate	blue	soft	100	125	
Sand	white	soft	125	220	
Coal	black	soft	220	223	
Sand	white	soft	223	370	
Slate	blue	soft	370	385	
Sand	white	soft	385	430	
Slate	blue	soft	430	680	
Sand	white	soft	680	700	
Slate	blue	soft	700	750	
Sand	white	soft	750	932	
Slate	blue	soft	932	974	
Sand	white	soft	974	1098	
Slate	blue	soft	1098	1147	
Little Lime	Blue	hard	1147	1172	
Big Lime	White	hard	1172	1350	
Injun Sand	Gray	hard	1350	1529	
Lime Shell	Gray	hard	1529	1539	
Slate	blue	soft	1539	1889	
Lime Shell	blue	hard	1889	1900	
Slate	blue	soft	1900	1920	
Coffee Shale	brown	soft	1920	1966	
Berea Grit	gray	hard	1966	1976	show of gas
Lime Shell	blue	hard	1976	1981	
Slate	blue	soft	1981	1983	
Lime Shell	blue	hard	1983	2010	
Slate	blue	soft	2010	2090	
Brown Shale	brown	soft	2090	2160	
Slate	blue	soft	2160	2333	
Brown Shale	brown	soft	2333	2481	
Slate	white	soft	2481	2520	
Brown Shale	brown	soft	2520	2842	Show of gas
Slate	white	soft	2842	3042	
Brown Shale	brown	soft	3042	3088	TD

(Attach separate sheets to complete as necessary)

Clifford Mills

Well Operator

By

Its

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

08/25/2023



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

Date Feb 12, 1982

FORM IV-35  
(Obverse)

Operator's  
Well No. 1

[08-78]

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47 - 099 - 1333  
State County Permit

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground storage  / Deep  / Shallow )

LOCATION: Elevation: 750.0 Watershed: Right Fork Twelvepole Creek  
District: Union County: Wayne Quadrangle: Wayne

WELL OPERATOR Clifford Mills DESIGNATED AGENT Howard F. Osburn  
Address P.O. Box 65 Address P.O. Box 65  
Wayne, WV 25570 Wayne, WV 25570

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Redrill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON \_\_\_\_\_, 19 60

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED

Name N/A

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth 3000 feet

Depth of completed well, 3088 feet Rotary  / Cable Tools

Water strata depth: Fresh, 230 feet; salt, 815 feet.

Coal seam depths: 220 Is coal being mined in the area? No

Work was commenced 12-10, 19 60, and completed 2-20, 19 61

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	10					24	24	Kinds Hookwall
Fresh water								
Coal								Sizes 2"
Intermediate	8 5/8					301'-9"	301'-9"	
Production	7					1533	1533	Depths set 2032
Tubing	2					2032	2032	
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Devonain Shale Pay zone depth 2520-3088 feet

Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d

Final open flow, 50 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests, 24 hours

Static rock pressure, 300 psig (surface measurement) after 24 hours **08/25/2023**

[If applicable due to multiple completion--]

Second producing formation Berea Sand Pay zone depth 1966-1976 feet

Gas: Initial open flow, 40 Mcf/d Oil: Initial open flow, Show Bbl/d

Final open flow, 40 Mcf/d Final open flow, Show Bbl/d

Time of open flow between initial and final tests, 24 hours

Static rock pressure, 520 psig (surface measurement) after 24 hours shut in

**Berea Gas Drowned Out By Oil**



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

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

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202)275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
8-18-61	Owens-Libbey-Owens Gas Dept.	N/A
N/A	Industrial Gas Corporation	009384
9-1-81	Roaring Fork Gas Corp.	039329

Remarks:

08/25/2023







PARTICIPANTS:

DATE:

JUL 12 1982

BUYER-SELLER CODE

WELL OPERATOR:

Clifford Mills

012602

FIRST PURCHASER:

Rearing Fork Gas Corp.

039329

OTHER:

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

820324-108-099-1333

Use Above File Number on all Communications Relating to Determination of this Well

Handwritten signature

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121  Items not completed - Line No. 7.0 b,c,d 8.0 b,c
- 2. IV-1 Agent  Howard F Osburn
- 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 1 year
- 8. IV-40 90 day Production 92 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) Date commenced: 12-16-66 Date completed 2-20-61 Deepened \_\_\_\_\_
- (5) Production Depth: 2520-3088, 1966-76
- (5) Production Formation: Devonia Shale, Berea
- (5) Final Open Flow: 50 MCF
- (5) After Frac. R. P. 520# 24hrs
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production:  $\frac{3180}{365} = 8.7 \text{ MCF}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days  $\frac{585}{92} = 6.4 \text{ MCF}$
- (8) Line Pressure: 30# 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 08/25/2023
- Additional information  Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_



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

Date March 8 1982  
Operator's Well No. 1  
API Well No. 47 - 099 - 1333  
State County Permite

WELL CLASSIFICATION FORM

STRIPPER GAS WELL  
NGPA Section 108

DESIGNATED AGENT Howard F. Osburn  
ADDRESS P.O. Box 65  
Wayne, WV 25570  
LOCATION: Elevation 750.0  
Watershed RF Twelvepole Creek  
Dist. Union County Wayne Quad. Wayne  
Gas Purchase Contract No. IGD-22  
Meter Chart Code 461  
Date of Contract 9-1-81

WELL OPERATOR Clifford Mills  
ADDRESS P.O. Box 65  
Wayne, Wv 25570  
GAS PURCHASER Roaring Fork Gas Corp.  
ADDRESS P.O. Box 3752  
Charleston, WV 25337

\* \* \* \* \*

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.)

Well uses a 7X2X2 casing head , with 2" tubing. Connection is made through a 600# plug valve.

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:

- Lease Agreement
- Gas Purchase Agreement
- Production Records
- All Tax Records
- Record of Royalty Payments

These records are kept at 1404 East Lynn Road, Wayne, WV 25570.



Describe the search made of any records listed above:

A thorough search of all the above listed records was made in preparing this report.

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, Howard F. Osburn, 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.

Howard F. Osburn

STATE OF WEST VIRGINIA,

COUNTY OF Karawha, TO WIT:

I, Deana D. Morris, a Notary Public in and for the state and county aforesaid, do certify that Howard F. Osburn whose name is signed to the writing above, bearing date the 24<sup>th</sup> day of March, 1982, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 24<sup>th</sup> day of March, 1982.

My term of office expires on the 2<sup>nd</sup> day of June, 1986.

Deana D. Morris  
Notary Public

[NOTARIAL SEAL]

08/25/2023



STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Clifford Mills  
ADDRESS P.O. Box 65  
Wayne, WV 25570

DESIGNATED AGENT Howard F. Osburn  
ADDRESS P.O. Box 65  
Wayne, WV 25570

Gas Purchase Contract No. IDG-22 and Date 8-18-61  
Meter Chart Code P0461 (Month, day and year)

Name of First Purchaser Owens-Libbey-Owens Gas Department

Charleston, WV (Street or P. O. Box)  
(City) (State) (Zip Code)

FERC Seller Code 012602

FERC Buyer Code 039329

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 108 Section of NGPA          Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Howard F. Osburn Agent  
Name (Print) Howard F. Osburn Title  
Signature  
P.O. Box 65  
Street or P. O. Box  
Wayne WV 25570  
City State (Zip Code)  
304 272-3443  
Area Phone Number  
Code

(Certificate of Proof of Service to Purchaser)

Copies hand delivered to Roaring Fork Gas Corporation.

(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 1975, (NGPA);  or 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          day of         , 1982, 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 Gas 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

MAR 24 1982

          
Director 08/25/2023

Date received by  
Jurisdictional Agency         

By           
Title



IV-89-WC

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

YEAR 19 81

API 47-099-1333 FARM Earl Booth

GAS MCF 348 306 328

OIL BBL J- 31 F- 28 M- 31

DAYS ON LINE 31 28 31

YEAR 19\_\_

API FARM

GAS MCF

OIL BBL J- F- M-

DAYS ON LINE

COUNTY Wayne

314

334

31

AVG. FLOW PRESSURE: 30

252

217

31

SHUT-IN PRESSURE

251

226

207

TOTALS

3180

365

SHUT-IN PRESSURE

TOTALS

SUMMARIZATION SCHEDULE  
Section 271. 804 (b)

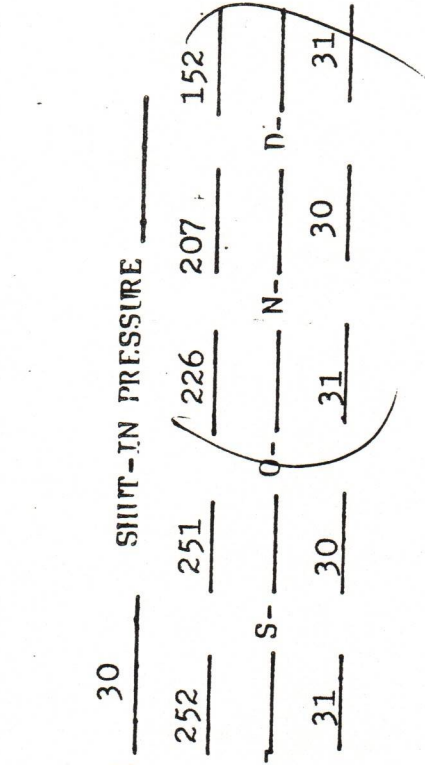
In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS

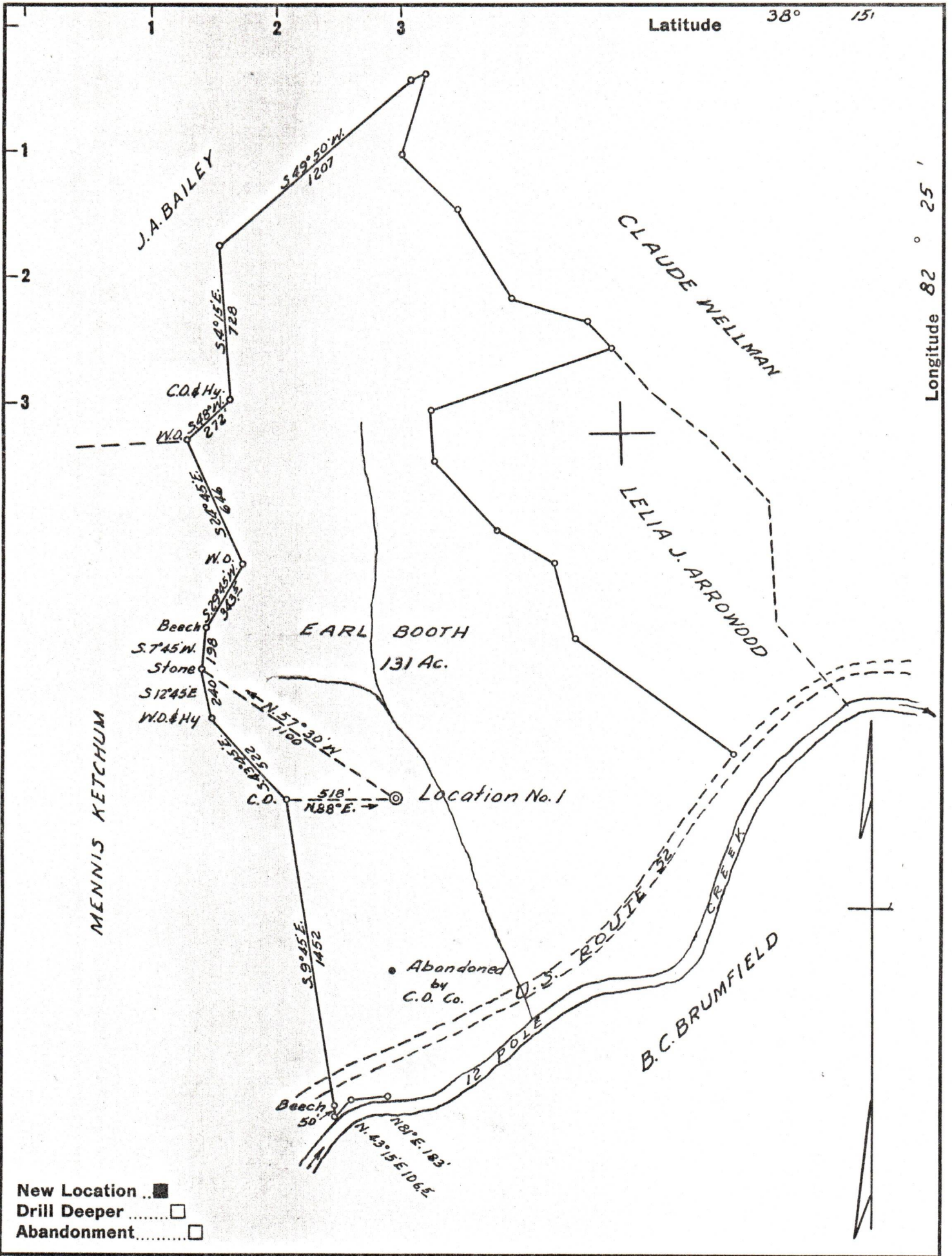
08/25/2023

REPORT DATE: 3-8-82

OPERATOR Clifford Mills







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

Company CLIFFORD MILLS  
 Address WAYNE, W. VA.  
 Farm EARL BOOTH  
 Tract 1 Acres 131 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 750±  
 Quadrangle WAYNE  
 County WAYNE District BUTLER  
 Engineer G. C. Curing  
 Engineer's Registration No. A 309  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 11-21-60 Scale 1" = 600'

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

**WELL LOCATION MAP**

FILE NO. WAY-1333 08/25/2023

+ 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.