



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
MAR 16 1973 - CEN

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division  
OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 15, 1973

Surface Owner Warren Mills  
Address Elizabeth, W. Va. 26143  
Mineral Owner Broods McCabe & Hannah L. Hood  
Address Box 1692, Chas., W. Va. - Shinnston, W. Va.  
Coal Owner None  
Address -----  
Coal Operator None  
Address -----

Company Seneca Oil Company  
Address 3022 N. W. Expressway, Oklahoma City, Okla  
Farm Warren Mills (Surf.) Acres 50  
Location (waters) Little Kanawha River  
Well No. Two (2) Elevation 661'  
District Burning Springs County Wirt  
Quadrangle Spring Creek - Spencer

**THIS PERMIT MUST BE POSTED AT THE WELL SITE**

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 7/16/73.

**INSPECTOR TO BE NOTIFIED**

m. Fred  
Burdette  
Box 190 PH: 984-9263  
Cicero Route  
Sissonville  
W.V. 25185

Deputy Director - Oil & Gas Division

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 March 21 1973 by Brooks McCabe & Hannah L. Hood made to Glen W. Roberts and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Wirt County, Book 137, 138 Page 571, 979  
 NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  
\_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

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, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Seneca Oil Co.  
Well Operator burk

Address  
of  
Well Operator

Box 92 Street  
Elizabeth City or Town  
West Virginia 26143 State

01/26/2024

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

**BOND DRILL**

Wiv-623 PERMIT NUMBER



**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Orville Crouser NAME Orville Crouser  
 ADDRESS Route 1, Harrisville, W. Va. ADDRESS Route 1, Harrisville, W. Va.  
 TELEPHONE 643-2643 TELEPHONE 643-2643  
 ESTIMATED DEPTH OF COMPLETED WELL: 1750' ROTARY \_\_\_\_\_ CABLE TOOLS   
 PROPOSED GEOLOGICAL FORMATION: Injun  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB.  STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <b>10"</b>	<b>100'</b>	<b>100'</b>	<b>To Surface</b>
9 - 5/8			
8 - 5/8	<b>500'</b>	<b>500'</b>	
7	<b>950'</b>	<b>950'</b>	
5 1/2			
4 1/2	<b>1750'</b>	<b>1750'</b>	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75 FEET SALT WATER 1400 FEET  
 APPROXIMATE COAL DEPTHS None  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? -----

**TO DRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of 26/2024 Under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title





DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

A-124101

SERVICE AND INVOICE NUMBER 1-12-9122

TERMS: NET 30. ADD LEGAL INTEREST THEREAFTER. 129506 TULSA, OKLAHOMA 74102

SERVICE ORDER RECEIPT AND INVOICE

DATE 5-23-73 CUSTOMER ORDER NO. VERBAL SHIPPED VIA Dowell On ITS SERVICE FROM DOWELL STATION GLENNVILLE OUTPOST 47

WELL NAME AND NUMBER MILLS # 2 LOCATION AND POOL SPRING RUN COUNTY, CITY (IF WITHIN CITY LIMITS) & STATE Wirt, W, VA TYPE OF SERVICE CEMENT 4 1/2" CSG. CUSTOMER'S NAME Seneca Oil Co ADDRESS 3013 NW 59 OKLAHOMA CITY, OKLAHOMA CITY, STATE & ZIP CODE ZIP CODE

SERVICE ORDER IMPORTANT: SEE OTHER SIDE FOR TERMS & CONDITIONS I have read, understood and agreed to the terms & conditions printed on the reverse side hereof and represent that I have full authority to accept same and sign this order. CUSTOMER BY [Signature] AUTHORIZED AGENT

SERVICE INSTRUCTIONS:

Table with columns: ITEM NO., QUANTITY, UNIT, Material, Equipment and Services Used, Unit Price, AMOUNT. Rows include items like S.P. CEMENTER 1770, CLASS 'A' CEMENT, LITEPOZ 3, TOP 4 1/2" PLUG, BENTONITE, HAULING 8900#, and SERVICE CHARGE.

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OIL & GAS DIVISION DEPT. OF MINES

"Seller warrants that all goods or services furnished hereunder comply with the requirements of the Fair Labor Standards Act of 1938 as amended."

Summary table with columns: SUB TOTAL (755.34), License Fee (22.66), Tax on \$ 247.34 (7.42), Tax on \$ 508.00 (15.24), TOTAL \$778.00. Includes material and service tax breakdown.

DOWELL ENGINEER [Signature] PAYROLL INIT. F.S. RECEIPT: THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS AND EQUIPMENT LISTED ABOVE WERE RECEIVED AND THE SERVICES WERE PERFORMED IN A WORKMANLIKE MANNER. CUSTOMER BY [Signature] AUTHORIZED AGENT 01/26/2024

105-01

01/26/2024





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JUL 9 1973

OIL & GAS DIVISION  
DEPT. OF MINES

39-00  
3-25  
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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD 8**

Quadrangle Spencer NE

Permit No. Wir 623

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable  Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb.  G. WOLF  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company Seneca Oil Company  
Address Oklahoma City, Oklahoma  
Farm Warren Mills Acres 49  
Location (waters) Little Kanawah  
Well No. Two Elev. 661  
District Burning Springs County Wirt  
The surface of tract is owned in fee by \_\_\_\_\_  
Warren Mills  
Address \_\_\_\_\_  
Mineral rights are owned by Warren Mills  
Address \_\_\_\_\_  
Drilling Commenced 19 March 1973  
Drilling Completed 19 May 1973  
Initial open flow HFV cu. ft. \_\_\_\_\_ bbls.  
Final production 110,000 cu. ft. per day 8 bbls.  
Well open 4 hrs. before test 345# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10" 10"	210	210	Circulated
9 5/8			
8 5/8	870	870	None
7	1596	0	
5 1/2			
4 1/2		1780	100 cu ft
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Dowell frac with 30,000 gal 3% gelled acid and 30,000 # 20/40 sand  
Job done on 8 June 1973

Coal was encountered at No Coal Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 15 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 1708 to 1727

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	15		
Sand			15	50		
Red Rock			50	65		
Lime			65	115		
Sand			115	195		
Shale			195	215		
Red Rock			215	225		
Lime			225	235		
Red Rock			235	265		
Slate Shells			265	425		
Red Rock			425	525		
Lime			525	530		
Red Rock			530	569		
Slate Shells			569	590		
Red Rock			590	600		
Lime			600	620		
Red Rock			620	650		
Slate Shells			650	730		
Black Slate			730	755		
Sand			755	860		
Slate			860	993		
Sand			993	1080		
Gray Shale			1080	1108		

01/26/2024

Sho Oil 775-800

(over)

\* Indicates Electric Log tops in the remarks section.



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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1108	1157		
Gray Shale			1157	1320		
Sand			1320	1345		
Shale			1345	1353		
Sand			1353	1407		
Shale			1407	1465		
Sand	X		1465	1550	HFW @ 1490	
Lime			1550	1565		
Shale			1565	1575		
Lime			1575	1700		
Injun Sand			1700	1730		
Sandy Shale			1730	1783		
Total Depth			1783			

01/26/2024

Date June 30, 1973, 19

APPROVED Seneca Oil Co., Owner

By [Signature]  
(Title) Agent

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

RECEIVED

JUN 11 1973

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WTR-623

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Depth of shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																	Size			Kind of Packer
<u>SENECA OIL COMPANY</u>	<u>SALIDA CITY, SALIDA</u>	<u>WARREN MILLS</u>	<u>2</u>	<u>BURNING SPRINGS</u>	<u>WEST</u>	<u>3-20-73</u>	<u>5-18-73</u>	<u>6-8-73</u>	<u>1783'</u>	_____ /10ths Water in _____ Inch	_____ /10ths Merc. in _____ Inch	_____ Cu. Ft.	_____ lbs. _____ hrs.	_____ bbls., 1st 24 hrs.	<u>60' H.F.</u> feet _____ feet	<u>YES</u> feet _____ feet	<u>18 3/4</u>	<u>7 1/2</u>	<u>7 1/2</u>	_____
<u>JOWELL</u>										SURF. <u>18 3/4</u> - <u>7 1/2</u> - <u>NO SURF. 1 1/2 L.P. 10542</u> CASING CEMENTED <u>4 1/2</u> SIZE <u>178K</u> No. FT. <u>5400</u> Date _____										
NAME OF SERVICE COMPANY <u>JOWELL</u>										COAL WAS ENCOUNTERED AT <u>NONE</u> FEET _____ INCHES										
_____ FEET _____ INCHES _____ FEET _____ INCHES										_____ FEET _____ INCHES _____ FEET _____ INCHES										
_____ FEET _____ INCHES _____ FEET _____ INCHES										_____ FEET _____ INCHES _____ FEET _____ INCHES										

Drillers' Names \_\_\_\_\_

Remarks: WELL FRACTURED.  
B. LIME - 1584-1626'  
HEENER - 1626-1671  
INDUN - 1671-1706  
SQUAW - 1706-1716  
T.G. - 1716

6-8-73  
DATE

H. O. Holliday  
DISTRICT WELL INSPECTOR  
01/26/2024



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS WELLS DIVISION  
**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_ I hereby certify I visited the above well on this date.  
DATE



OG-11-A  
1-73  
B-4

T.O. - 1783

DATE ISSUED 3-16-73 COMMENCED 3-20-73 COMPLETED 5-18-73  
 QUAD. SPENCER DIST. PAWNSVILLE ELEV. 611 PERMIT 623  
 FARM HILLS-HOOD LOCATION L. KAUFER WELL 2  
 OPERATOR SENECA OIL AGENT SAVILLE CAUSER  
 ADDRESS 3072 N. MAIN ST. P.O. BOX 34494 ADDRESS ROUTE 1, PAWNSVILLE  
 TEL. NO. \_\_\_\_\_ TEL. NO. 643-7645  
 CONTRACTOR C. CAUSER DRILLER \_\_\_\_\_  
 EST. DEPTH 1780 FORMATION TOBACCO TYPE RIG CABLE

CASING			CEMENT		WATER		COAL	
TEN.	ACT.	SIZE	TEN.	ACT.	EXP.	ACT.	EXP.	ACT.
100	210	10" SURF.	SURE	SURE	75	65	0	0
500	825	8 1/4" LEFT						
950	1590	7" - PULP			7.00	1400	1375	
1780	1780	4 1/2" SURF.	SURE	11.00 - 2 100900				

DATE	REMARKS
3-20-73	COMM. WELL
4-17	RIG 1645
4-24	S.O. AT 1590 FEET PIPE
5-3	
5-8	DRILLING AT 1615
5-15	DRILL 1680 - SHOW GAS 1675 (7" PIPE LEAK - MOLE CULDS. IN.)
5-18-73	WELL COMP. T.O. - 1783
5-21	CEM. 1780 - 4 1/2" 1009150 ETC. - DOWN
6-8-73	LOS + FRAC. - DOWELL T.O. 4 1/2" - 1761
	NOTE: R. LINE - 1984 - 1636 1624-1785-14 H. HICKER - 1626-1672 SANDER - 1677-1706 SQUAW - 1706-1710 T.O. - 1783
7-11-73	WELL RELEASED
	Henry C. Holliday, Insp.

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State of West Virginia

Department of Mines

Oil and Gas Division

July 17, 1973

Seneca Oil Company  
3022 N. W. Expressway  
Oklahoma City, Oklahoma

In Re: Permit No. WIRT-623  
Farm Warren Mills  
Well No. 2  
District Burning Springs  
County Wirt

Gentlemen:

The final inspection report for the well which is described above has been received in this office. Only the column checked below applies.

         The bond covering the well designated by the above permit number has been released under your Blanket Bond.

XXXX Please return the enclosed cancelled bond which covered the well designated by the above permit number to the Surety Company who executed said bond in your behalf, in order that they may give you credit on their records.

Very truly yours,

Deputy Director  
Oil and Gas Division

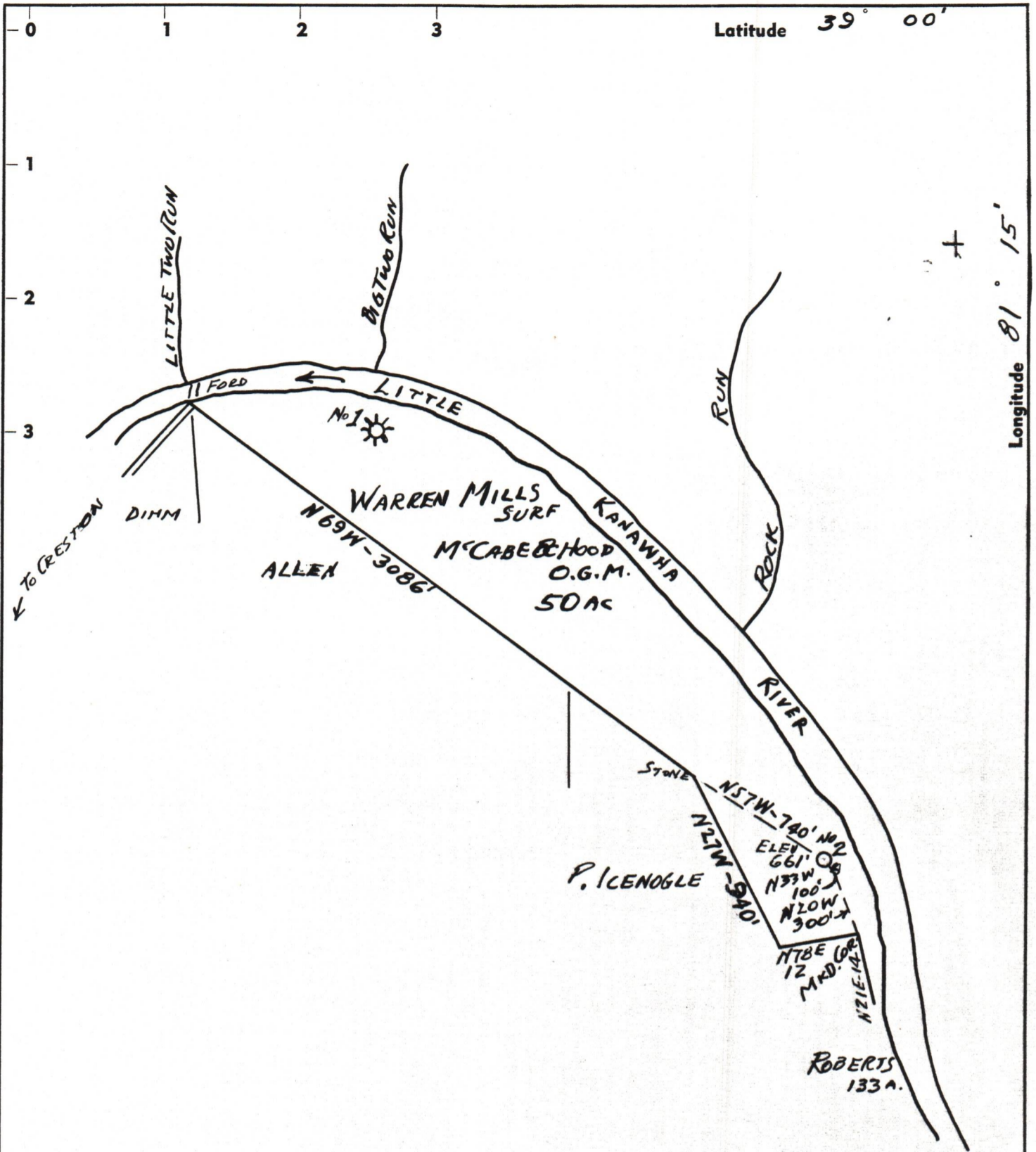
RLD/cc

Enclosure: 1 Bond

01/26/2024



3/16/73 CEN



- New Location .
- Drill Deeper . . . .
- Redrill . . . . .
- Abandonment . . . . .

SOURCE OF ELEV. BRIDGE ABT. B.M. 650' MOUTH ROCK RUN

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

ACCURACY 1 IN 200

Company SENECA OIL CO.

Address 3022 N.W. EXPRESSWAY, OKLAHOMA CITY

Farm WARREN MILLS (SURF), MCCABE-HOOD (O.G.M.)

Tract \_\_\_\_\_ Acres 50 Lease No. \_\_\_\_\_

Well (Farm) No. TWO Serial No. \_\_\_\_\_

Elevation (Spirit Level) 661 FT.

Quadrangle SPENCER

County WIRT District BURNING SPRINGS

Engineer Glen W. Roberts

Engineer's Registration No. 860

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date MAR 15, 1973 Scale 1 IN = 40 FEET

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

**WELL LOCATION MAP**  
FILE NO. Wiv-625 01/26/2024

+ 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.