

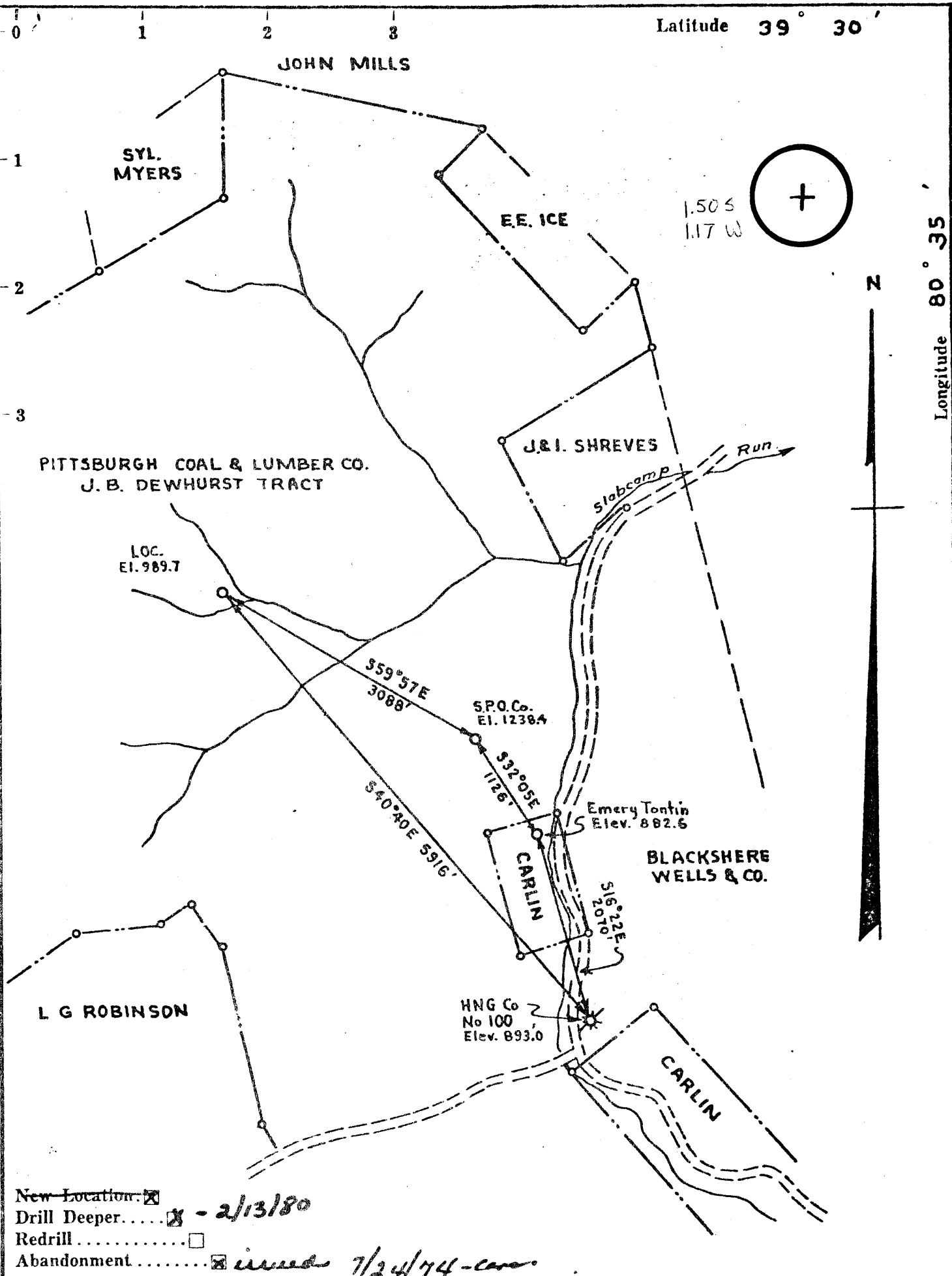
New Location
 Drill Deeper..... - 2/13/80
 Redrill.....
 Abandonment..... *includes 7 days work*

Parrell G. Pugh
 Company IMPERIAL OIL CO.
 Address CARLTON HOUSE, SUITE 134
PITTSBURGH, 19, PA
 Farm PITTSBURGH COAL & LUMBER CO. TRACT
J.B. DEWHURST TRACT
 Tract _____ Acres 2200 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 989.7
 Quadrangle CENTER POINT NE 1-1
 County WETZEL District GRANT
 Engineer _____
 Engineer's Registration No. 2470
 File No. _____ Drawing No. _____
 Date NOV. 5, 1958 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. 47-103-465-DD

+ 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.



New Location:
 Drill Deeper: - 2/13/80
 Redrill:
 Abandonment: *insert 7/24/74 - card*

Ferrill C. Pugh
 Company: **IMPERIAL OIL CO.**
 Address: **CARLTON HOUSE, SUITE 134, PITTSBURGH, PA**
 Farm: **PITTSBURGH COAL & LUMBER CO. J.B. DEWHURST TRACT**
 Tract: _____ Acres **2200** Lease No. _____
 Well (Farm) No. **1** Serial No. _____
 Elevation (Spirit Level) **989.7**
 Quadrangle **CENTER POINT NE 1**
 County **WETZEL** District **GRANT**
 Engineer *[Signature]*
 Engineer's Registration No. **2470**
 File No. _____ Drawing No. _____
 Date **NOV. 5, 1958** Scale **1" = 1320'**

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

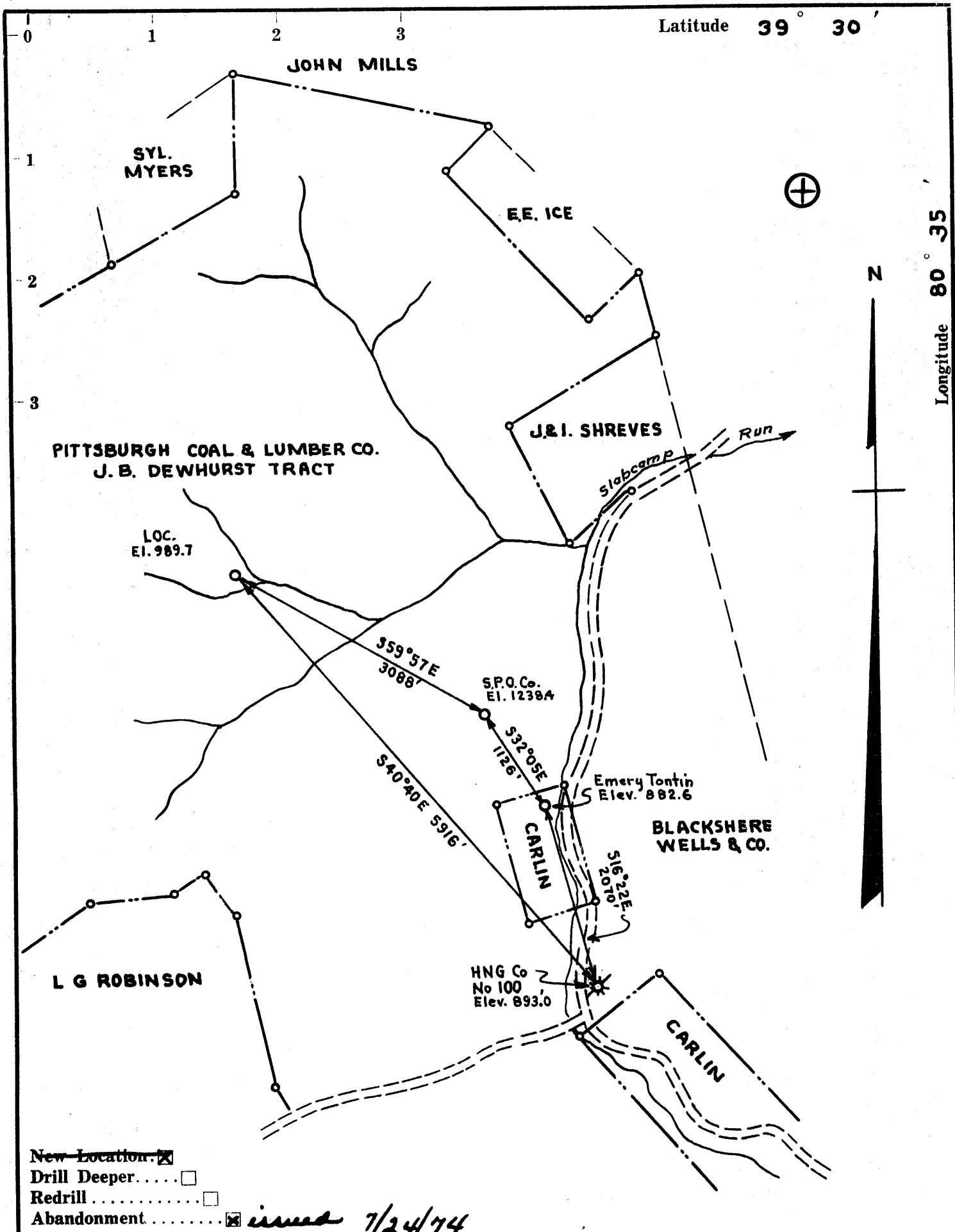
WELL LOCATION MAP

FILE NO. **Wet-465-P**

Plugging Cancelled
 + 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.

47-103

FEB 23 1960



New Location
 Drill Deeper
 Redrill
 Abandonment *issued 7/24/74*

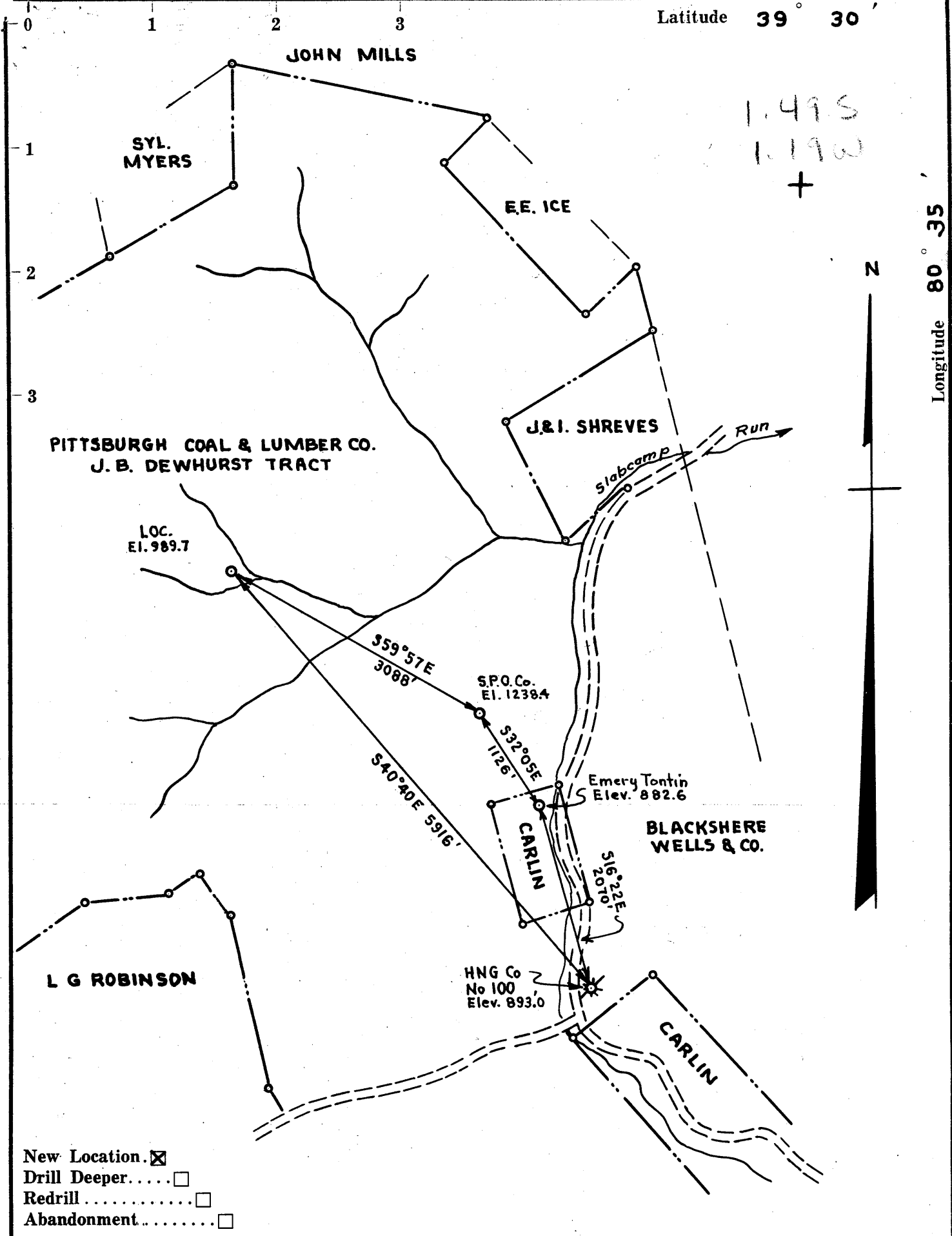
Fennell C. Pugh, 203 Park Ave. S.E., Atlanta, Ga.
 Company IMPERIAL OIL CO.
 Address CARLTON HOUSE, SUITE 134, PITTSBURGH, PA 15201
 Farm PITTSBURGH COAL & LUMBER CO. J.B. DEWHURST TRACT
 Tract _____ Acres 2200 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 989.7
 Quadrangle CENTER POINT NE 1-NC
 County WETZEL District GRANT
 Engineer [Signature]
 Engineer's Registration No. 2470
 File No. _____ Drawing No. _____
 Date NOV. 5, 1958 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Wet-465-P

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

47-103



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

Company	IMPERIAL OIL CO.	
Address	CARLTON HOUSE, SUITE 134 PITTSBURGH, 19, PA	
Farm	PITTSBURGH COAL & LUMBER CO J B DEWHURST TRACT	
Tract	Acres	2200 Lease No.
Well (Farm) No.	Serial No.	
Elevation (Spirit Level)	989.7	
Quadrangle	CENTER POINT NE 1 ¹ -NC	
County	WETZEL	District GRANT
Engineer		
Engineer's Registration No.	2470	
File No.	Drawing No.	
Date	NOV. 5, 1958	Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Wet-465

+ 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.

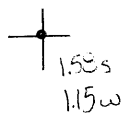
— Denotes one inch spaces on border line of original tracing.

39°30'00"

Latitude

80°35'00"

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Imperial Oil Co

Farm J B Dechens # 1

15' Quad _____
(sec.)

7.5' Quad Folsom

District GRAN

WELL LOCATION PLAT

County 103 **Permit** 465



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

Quadrangle NE Centerpoint

Permit No. WET-465

WELL RECORD

Oil or Gas Well Oil

Company <u>Imperial Oil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>504 Carlton House, Pittsburgh 19, Pa.</u>	Size			
Farm <u>J. B. Dewhurst</u> Acres <u>2200</u>	16			Kind of Packer
Location (waters)	13			
Well No. <u>One</u> Elev. <u>989.7</u>	10	<u>281'</u>	<u>None</u>	Size of
District <u>Grant</u> County <u>Wetzel</u>	8 1/4	<u>1236'</u>	<u>None</u>	Depth set
The surface of tract is owned in fee by <u>W.S.A. Smith, Wm. C. Kerns & Robert M. Kerns, Trustees under Will of John W. Kerns; Alma Carlin L. Blanche Smith; Pigott</u>	6 5/8	<u>2248'</u>	<u>None</u>	
Mineral rights are owned by <u>Same</u> Address _____	5 3/16	<u>3210'</u>	<u>All</u>	
Drilling commenced <u>6/24/59</u>	3			Perf. top
Drilling completed <u>Oct. 15, 1959</u>	2	<u>3160'</u>	<u>All</u>	Perf. bottom
Date <u>Perforated</u> <u>3130</u> To <u>3140</u>	Liners Used			Perf. top
With <u>20 shots by Schlumberger</u>				Perf. bottom

Open Flow /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume None Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil 62 show before treatment bbls., 1st 24 hrs.
 WELL ACIDIZED _____
 WELL FRACTURED Yes
2700#s of sand added 15 gallon of morflow per barrel w/ 500 bbl water.
 RESULT AFTER TREATMENT 62 barrels oil first 24 hrs. by pump
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water None Feet _____ Salt Water None Feet _____

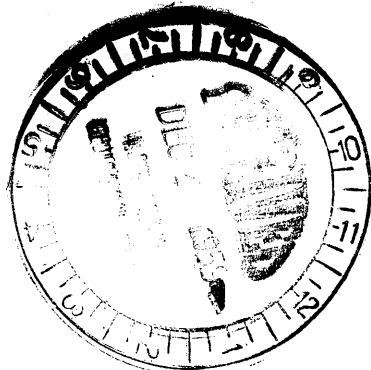
CASING CEMENTED 5 1/2" SIZE 3210 No. Ft. 8-30-59 Date
Hole aquaged twice before pulling drilling casing.
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil			0	16			
Conductor Wood			16 ft.				
sand			16	30			
red rock			30	75			
sand			75	100	Water H.F. 90'		
slate			100	140			
sand			140	155			
slate			155	200			
sand			200	225			
red rock			225	250			
sand			250	260			
slate			260	290	10" pipe 281'		
sand			290	300			
slate			300	345			
red rock			325 345	375			
slate & shells			375	420			
red rock			420	440			
slate			440	455			
sand			455	470			
slate & shells			470	557			
lime			557	644			
coal			644	645			
slate & shells			645	750			
coal (Pittsburgh)			750	751			
lime & sand			751	765	Gas at 755'		
slate & shells			765	805			
lime			805	815			
slate			815	827			
sand			827	833			

(over)

F5

Formation	Color	Hard or Soft	Top 10	Bottom	Oil, Gas or Water	Depth Found	Remarks
lime			833	840			
sand			840	855			
slate & shells			855	900			
red rock			900	910			
black lime			910	915			
red rock			915	935			
slate & shells			935	965			
red rock			965	990			
slate & shells			990	1031			
black shale			1031	1045			
red rock			1045	1055			
slate & shells			1055	1065			
red rock			1065	1070			
lime			1070	1091			
slate			1091	1132			
black shale			1132	1145			
slate & shells			1145	1235			
✓ sand			1235	1273	8" 1236'		1984 990 794
slate			1273	1280			
sand			1280	1310			
lime			1310	1360			
✓ sand			1360	1386			
shale			1386	1405			
lime			1405	1415			
sand			1415	1462			
slate & shells			1462	1550			
sand			1550	1670			
slate & shells			1670	1760			
✓ sand			1760	1838			
slate & shells			1838	1880			
pink rock			1880	1920			
slate & shells			1920	1935			
red rock			1935	1942			
slate			1942	1961			
lime			1961	1969			
slate			1969	1984			
✓ lime			1984	2083	← Big Lime		
sand			2083	2123			
slate & shells			2123	2148			
sand			2148	2183			
slate			2183	2184			
sand			2184	2230			
✓ slate & shells			2230	2348			
lime			2348	2350			
sand			2350	2415			
slate & shells (Hard)			2415	2660			
brown shale			2660	2665			
slate & shells			2665	2780			
✓ sand			2780	2810			
shale			2810	2854	2812-2840	show oil and gas	
✓ sand			2854	2865			
shale			2865	2914	2881-2890	oil show	
shale & sand			2914	2960			
✓ sand			2960	2974	oil show		
shaley sand			2974	3000			
✓ sand			3000	3010	oil show		
shale, sandy shale w/lime			3010	3120			
✓ sand			3122	3142	3129-3140	oil show	
shaley sand (mostly shale)			3142	3215			



Date December 15, 1959

Imperial Oil Company

APPROVED _____, Owner

By Robert M. Jordan (Title) President



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB - 5 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 5, 1980

Surface Owner J. B. Dewhurst Heirs

Company Ferrell Prior

Address Jacksonburg, West Virginia

Address 304 Union Trust Bldg. Parkersburg

Mineral Owner Mabel Smith Heefner et al

Farm J. B. Dewhurst Acres 2200 WV

Address Jacksonburg, West Virginia

Location (waters) Buffalo Run of Fishing Cre

Coal Owner N/A

Well No. One (1) Elevation 989.7

Address N/A

District Grant County Wetzel

Coal Operator N/A

Quadrangle Folsom 7.5 Center Point 15'

Address N/A

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 deepening. This permit shall expire if operations have not commenced by 10-13-80.

INSPECTOR
TO BE NOTIFIED Phil Tracy

ADDRESS Middlebourne, West Virginia

PHONE 758-4573

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 February 22 19 79 by Mary Anne Eddy made to John Underwood and recorded on the 28th day of February 19 79, in Wetzel County, Book 58 Page 235

XX NEW WELL XX DRILL DEEPER XX REDRILL FRACTURE OR STIMULATE
XX 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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, Ferrell Prior
(Sign Name) Ferrell Prior
Well Operator
304 Union Trust Building
Street
Parkersburg, West Virginia
City or Town
West Virginia 26101
State

*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.

BLANKET BOND

47-103-465 DD PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

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

PROPOSED WORK ORDER TO _____ DRILL **XX** DEEPEN _____ FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME **Gene Stalnaker, Inc.** NAME **Vearl Summers**
 ADDRESS **Letter Gap, West Virginia** ADDRESS **P.O. Box 1486, Parkersburg**
 TELEPHONE **462-7092** TELEPHONE **485-7419**
 ESTIMATED DEPTH OF COMPLETED WELL: **3200** ROTARY **XX** CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: **5th Sand**
 TYPE OF WELL: OIL _____ GAS _____ COMB. **XX** 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			
9 - 5/8	281		Cement to surface
8 - 5/8	1236		
7			
5 1/2			
4 1/2		3210	cemented 200 sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS **200** FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ 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 the coal 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