

New Location
 Drill Deeper - 11-4-87
 Abandonment

Company FOSTER-MCKENZIE CO. 299
 Address BOX 10396 PITTSBURGH, PA
 Farm S.B. HIGGINBOTHAM
 Tract _____ Acres 28 Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 818.0'
 Quadrangle LITTLETON 15 / BIG RUN 7.5
 County WETZEL District GRANT 4
 Engineer G.L. MCINTIRE
 Engineer's Registration No. 1187
 File No. _____ Drawing No. _____
 Date 5/31/52 Scale 1" = 300'

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

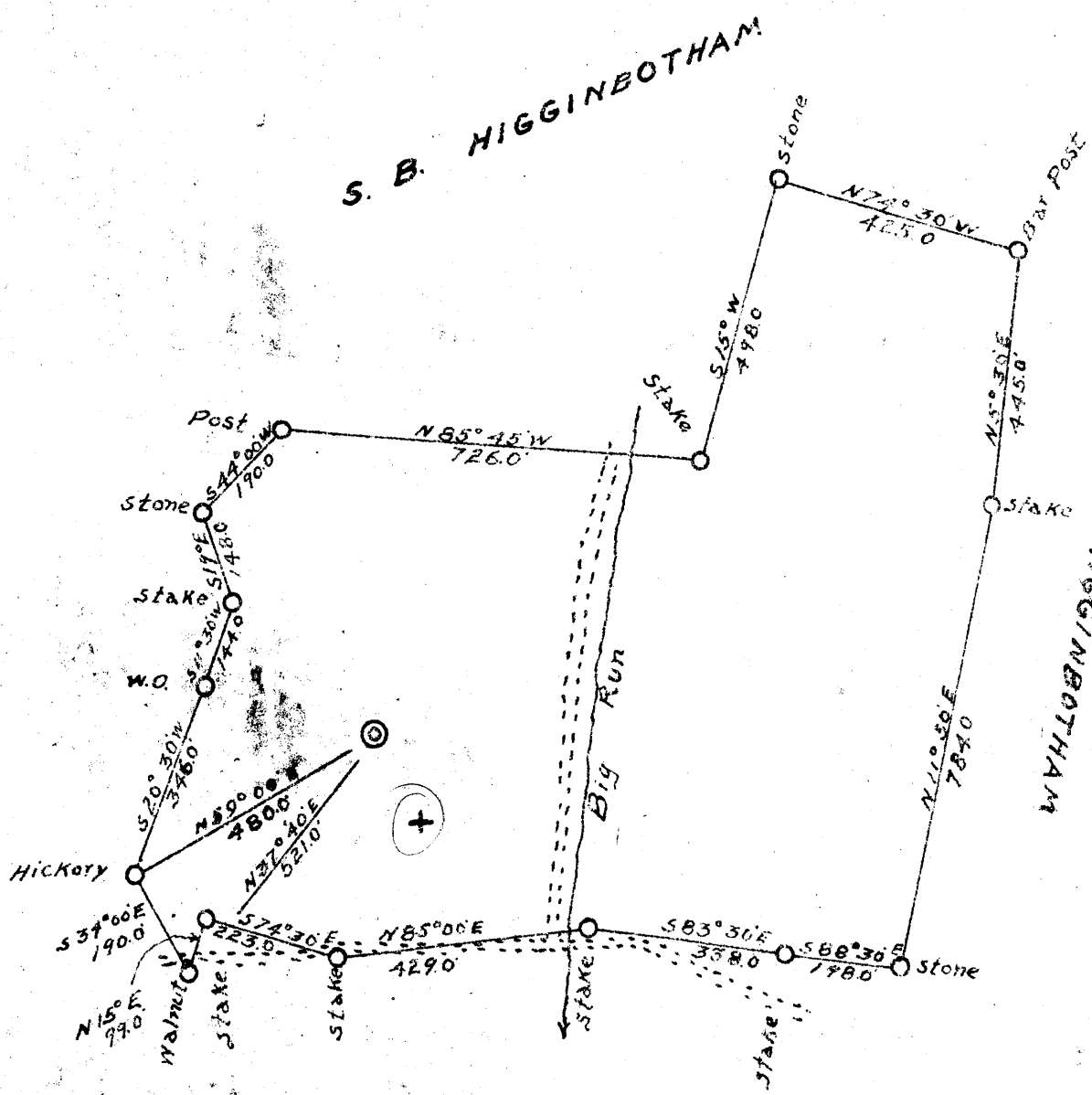
WELL LOCATION MAP
 FILE NO. Wet - 381-DD
According to DEP deepening occurred 11-20-87
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown. NOV 9 1987
 - Denotes one inch spaces on border line of original tracing. 47-103

A. C. HIGGINBOTHAM

S. B. HIGGINBOTHAM

S. B. HIGGINBOTHAM

A. C. HIGGINBOTHAM



A. 26 W
S. 79 S

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 CHARLESTON

WELL LOCATION MAP
 FILE NO. Wet-381

+ 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 lines of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. WET-361
Littleton Quad.

Gas

Company	Foster-McKenzie Company	CASING & TUBING
Address	P.O.Box 10396, Pgh., 34, Pa.	
Farm	A. C. Higginbotham et al Acres 60	6 1/2 21 21
Location	Big Run	6 5/8 241
Well No.	1 Elev. 816'	5 3/16 479 479
District	Grant County - Wetzel	
Surface	A.C.Higginbotham et al, Big Run, W.Va.	Coal at 68', 396', 501'.
Mineral	Same	
Commenced	6/8/52	
Completed	6/24/52	
Open Flow	3/10ths Water in 2"	
Volume	33,000 Cu. Ft.	
R.P.	110# 48 hours	
Fresh Water	35' 141 and 400'	

Gravel	0	20
Rock	20	25
Shale	25	40
Lime	40	68
— Show Coal 68'		
Slate	68	75
Coal	75	77
Slate	77	110
Lime	110	125
Sand	125	165
Slate	165	180
Lime	180	195
Slate	195	205
Rock Red	205	208
Gray Shale	208	212
Red Rock	212	215
Lime	215	270
Lime	270	330
Slate	330	337
Lime	337	396
Slate	396	396
Coal (Mapletown)	396	400
Lime	400	421
Lime	421	432
Lime	432	456
Slate	456	468
Lime	468	489
Slate	489	491
Lime	491	494
Slate & Lime	494	501
Coal Pgh.	501	510
Slate & Lime	510	515
TOTAL DEPTH		515

Water 35'
Water 141'
Show gas in coal 396-400
Water 400'.

818
62
450

818
396
421

818
501
515

FORM WV-2(B) FILE COPY
RECEIVED
7
SEP 18 1987



1) Date: September 14, 1987, 19
2) Operator's Well No. Higginbotham No. 1
3) API Well No. 47 - 103 - 0381-DD

STATE OF WEST VIRGINIA
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 818' Watershed: Big Run
District: Grant 4 County: Wetzel 103 Quadrangle: Littleton SE 438
- 6) WELL OPERATOR Foster-McKenzie CODE: 17750 7) DESIGNATED AGENT Charles Young
Address P. O. Box 181 299 Address P. O. Box 190
Navarre, Ohio 44662 Bomont, W. VA. 25030
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood
Address RT2 Box 135
Salem, W. Va. 26426
- 9) DRILLING CONTRACTOR: Name Foster-McKenzie Co.
Address P. O. Box 181
Navarre, Ohio 44662
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Salt Sand 288
- 12) Estimated depth of completed well, 1150 feet
- 13) Approximate strata depths: Fresh, 34, 141, 400 feet; salt, 1150 feet.
- 14) Approximate coal seam depths: 68', 398-400, 501-510 coal being mined in the area? Yes / No /
- 15) 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	Left in well			
Conductor	8 1/2					21	21		Kinds Hook Wall	
Fresh water		In Existing Well								Sizes 5"
Coal										
Intermediate	5 1/2					479	479		Depths set 1145'	
Production									Open Hole	
Tubing	2"				X				Perforations:	
Liners									Top Bottom	

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-103-0381-DD November 4 19 87
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
Permit expires November 4, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

10876

Bond: <u>Letter provided</u>	Agent: <u>[Signature]</u>	Plan: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>231</u> <u>1168</u> <u>1169</u>	WPCP: <u>[Signature]</u>	W/E: <u>[Signature]</u>	Other: <u>[Signature]</u>
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NOTE: Keep one copy of this permit posted at the drilling location. [Signature]
Director, Division of Oil and Gas File