

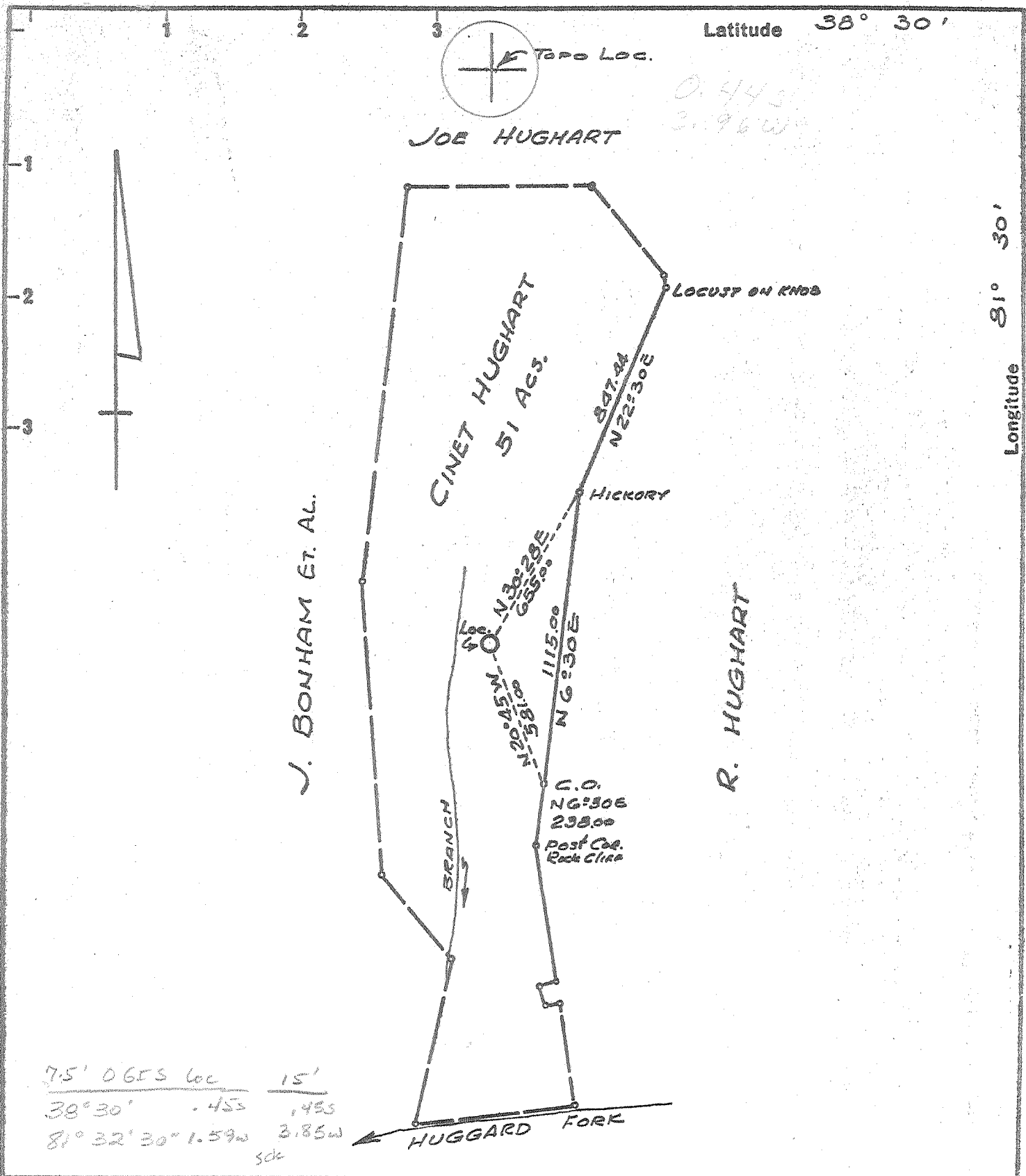
New Location
 Drill Deeper
 Abandonment
 1-9-74

Minimum Error of Closure 1 IN. 200
 Source of Elevation U.S.G.S. Elev. 808' Road Intersection Huggard Fr.
 "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."

Company SALTER PUGH, Inc. HARRY A. HOLTON
 Address Toledo Ohio 48624 200 Howard, Westerville, Ohio
 Farm CINET HUGHART
 Tract _____ Acres 51 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 205.0
 Quadrangle CHARLESTON NE
 County KANAWHA District POGA
 Engineer N. S. Seltzer
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 4-10-71 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. KAN-2508-P
 + 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.

47 039



Minimum Error of Closure 1 IN 200
Source of Elevation U.S.G.S. Elev. 808' Road Intersection Huggard Fr

New Location
Drill Deeper
Abandonment

"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."

Company HARRY A. HOLTOM
Address 808 HIGH ST., WORTHINGTON, OHIO
Farm CINET HUGHART
Tract _____ Acres 51 Lease No. _____
Well (Farm) No. 1 Serial No. _____
Elevation (Spirit Level) 905.0
Quadrangle CHARLESTON NE
County KANAWHA District POCA
Engineer T. S. Dutton
Engineer's Registration No. 1832
File No. _____ Drawing No. _____
Date 4-10-71 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. KAN-2508

+ 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.

6-6 D Rocky Fork 312
Cooper Creek 331

Deep Well (Newburg)
APR 26 1971

VED

JUL 14 1971



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

OIL & GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage c. NO. 1

38-30
3-1

Quadrangle Charleston
Permit No. Kan - 2508

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company <u>Harry A. Holtom</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>808 High St. Worthington, Ohio</u>	Size			Kind of Packer
Farm <u>Cinet Hughart</u> Acres <u>51</u>				Size of
Location (waters) <u>Legg Fork</u> <u>917.0 KB</u>				Depth set
Well No. <u>1</u> Elev. <u>905.0 GL</u>				Perf. top
District <u>Poca</u> County <u>Kanawha</u>				Perf. bottom
The surface of tract is owned in fee by <u>Bruce Harper</u>				Perf. top
Address <u>Charleston, West Va.</u>				Perf. bottom
Mineral rights are owned by <u>Harry Holtom, Cities Service & Others</u>				
Address <u>Worthington, Ohio</u>				
Drilling commenced <u>4/16/71</u>				
Drilling completed <u>4/24/71</u>				
Date Shot From To				
With				
Open Flow /10ths Water in Inch				
/10ths Merc. in Inch				
Volume <u>Drilled in under fluid</u> Cu. Ft.				
Rock Pressure lbs. hrs.				
Oil bbls., 1st 24 hrs.				
WELL ACIDIZED (DETAILS)				
WELL FRACTURED (DETAILS) <u>Yes</u> <u>Frac w/500 gal MCA 1050 B. W. & 10,000 # 20/40</u>				
mesh sand. Average injection rate <u>18 BPM @ 5600.</u>				
RESULT AFTER TREATMENT (Initial open Flow or bbls.) Est. A.O.F. <u>15 MMCFGPD.</u> McF <u>15,000,000</u>				
ROCK PRESSURE AFTER TREATMENT HOURS				
Fresh Water Feet Salt Water Feet				
Producing Sand <u>Newburg</u> Depth <u>5811</u>				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Rig			0	12			
Sand			12	105			
Shale			105	160			
Sand			160	203			
Shale & Red Rock			203	270			
Sand			270	290			
Slate & Shells			290	380			
Sand			380	483			
Shale			483	505			
Sand			505	525			
Slate			525	548			
Sand			548	580			
Slate			580	628			
Sand & Shale			628	790			
Slate			790	832			
Sand			832	858			
Slate & Shell			858	1107			
Salt Sand			1107	1448			
Slate			1448	1462			

JUL 23 1971

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
and			1462	1500			
late			1500	1530			
ime			1530	1552			
hale & Lime			1552	1612			
ig Lime			1612	1758			
njun			1758	1800			
late & Shells			1800	2190			
offee Shale			2190	2210			
late & Shells			2210	2666			
hite Slate			2666	3120			
late & Shells			3120	3805			
rown Shale			3805	4075			
hite Slate			4075	4508			
rown Shale			4508	4635			
hite Slate			4635	4665	5014		
rown Shale			4665	4906			
Corniferous			4906	5014			
Oriskany			5014	5076			
Helderberg			5076	5310			
Salina-Wills Creek			5310	5776			
Williamsport			5776				
		TOTAL DEPTH		5841			
Newburg			5800	5805	Drilled in under fluid		
	13"	4-16-71	106'	100 sks	Dowell		
	8"	4-19-71	1893'	400 sks	Dowell		
	5 1/2"	4-23-71	5790'	174 sks	Dowell		
	Frac	4-30-71	Conventional		4906 920 <u>3986</u>		

Date May 19, 1971

APPROVED Harry A. Holtom, Owner

By Gene Haney, Cons. Geol.
(Title)