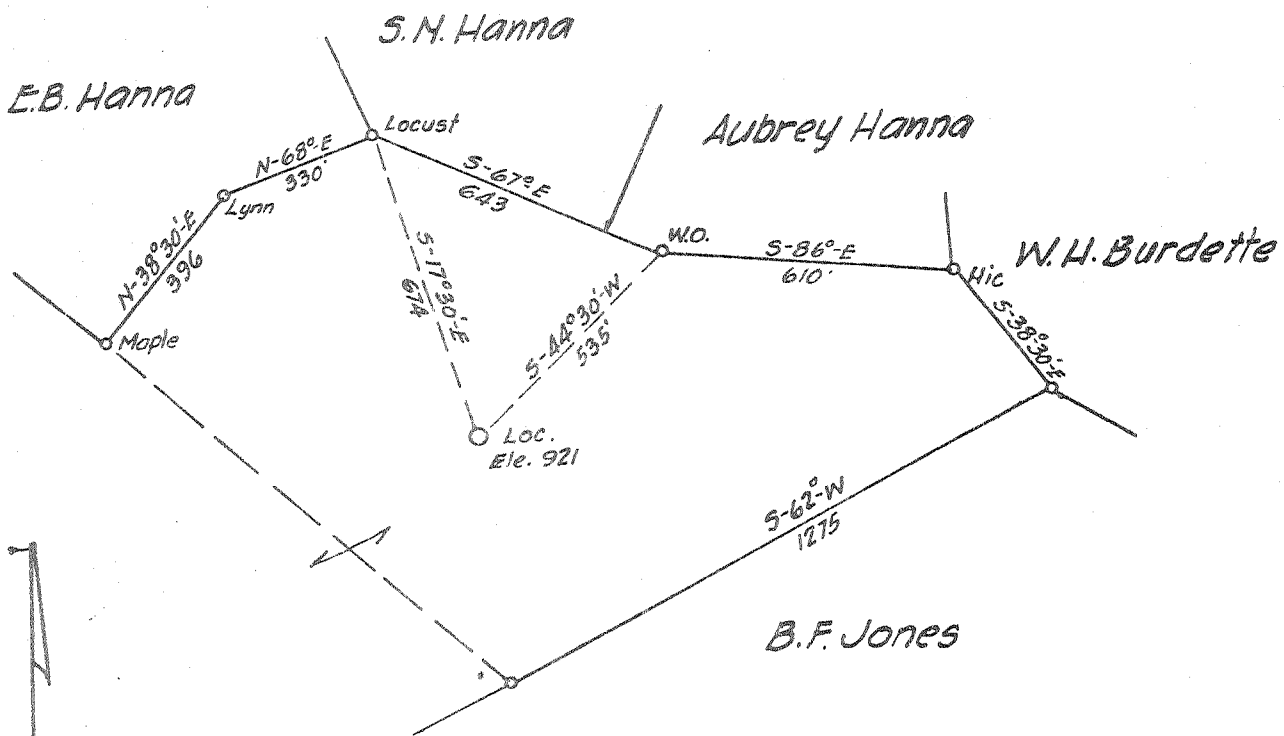


Latitude 38° 30'

Longitude 81° 30'



7.5' OGIS Loc	15'
38°30' 2.625	2.625
81°32'30" 0.650	2.910

Abandonment..... issued 10/18/72

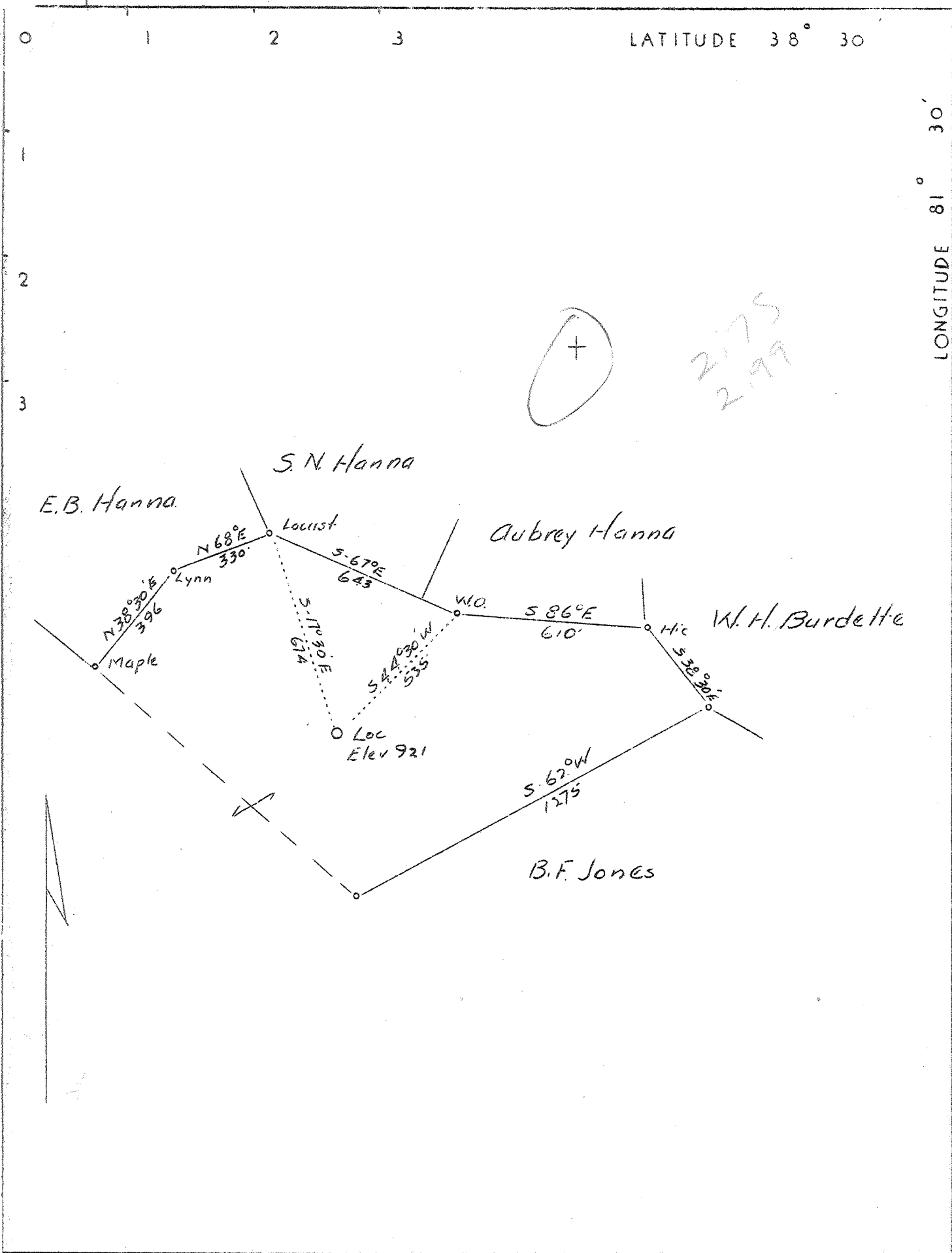
Company CITIES SERVICE OIL Co.  
~~Columbian Carbon Co.~~  
 Address Box 724 Charleston WVa, 25323  
 Farm James R Jones  
 Tract \_\_\_\_\_ Acres 89.25 Lease No. C-235  
 Well (Farm) No. F-1 Serial No. GW-372  
 Quadrangle Charleston  
 County Kanawha NE  
 District Elk  
 Engineer C.D. Branham  
 Engineer's Registration No. 683  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 12/21/36 Scale 1" = 400'

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

WELL LOCATION MAP  
 FILE NO. KAN-320-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.



Company Columbian Carbon Co.  
 Address Box 1240 Charleston, W. Va.  
 Farm James R. Jones  
 Tract Acres 89.25 Lease No. C-235  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Quadrangle Charleston N.E.  
 County Kanawha  
 District Elk  
 Engineer C. A. Branham  
 Engineer's Registration No. 683  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 12-21-36 Scale 1" - 400'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 Charleston

WELL LOCATION MAP  
 File No. KAM-320

+ Denotes location of well on U. S. 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.

6-6-1922 Deep well

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. - Kan-320

Gas Well

Charleston Quad.

Company - Columbian Carbon Company  
 Address - Box 1240, Charleston, W. Va.  
 Farm - James R. Jones. Acres- 89.25  
 Location - Cooper Creek  
 Well No. - One (GW-372). Elev. 916-.77  
 District - Elk. County- Kanawha  
 Surface - James R. Jones,  
 Rt.#6, Box 137, Charleston, W.Va.  
 Mineral - same (oil and gas only)  
 Drilling - Commenced- 1-7-37  
 Completed- 4-12-37  
 Date Shot - Not shot  
 Open Flow - 7,500,000, cu ft.  
 Rock Press.- 1675 lbs. 43 hrs.  
 Oil -  
 Fresh Water- 965-975 feet & 970 feet  
 Salt Water - 1085 feet

CASING & TUBING

14"OD 42# 46'3"  
 10"OD 22# 400'5"  
 8-5/8"OD 24# 1624'11"  
 6-5/8"OD 24# 4930'2"  
 3" 92# 5056'7"  
 4" 11# 61'3"  
 Liners around 3" Anchor

Coal was encountered at 217'60"; 1297'36"

Formation	Color	H <sub>2</sub> O	Top	Bottom	Result	Formation	Color	H <sub>2</sub> O	Top	Bottom	Result
Surface			0	0		Brown Shale			3029	4011	
Slate			6	100		Brown Slate			4011	4145	
Lime			100	160		White Slate			4145	4515	
Slate			160	169		Brown Shale			4515	4630	
Red Rock			169	195		Black Shale			4630	4791	
Lime & Slate			195	217		White Slate			4791	4832	
Coal			217	222		Brown Shale			4832	4883	
Slate			222	249		Corniferous			4883	4993	
Sand			249	262		Oriskany			4993	5037 1/2	
Slate			262	263							
Sand			263	347		Total Depth				5037 1/2	
Slate & Lime			347	369							
Sand			369	395							
Slate			395	410							
Lime & Sand			410	440							
Slate			440	450							
Sand			450	558							
Black Slate			558	600							
Sand			600	635							
Slate			635	695							
Sand			695	766							
Slate			766	775							
Sand			775	815							
Slate			815	850							
Sand			850	862							
Slate			862	881							
Sand			881	890							
Slate			890	940							
Sand Broken			940	980							
Salt Sand -			980	1207		Oil & Gas 965'-75' show					
Slate			1207	1212		Water 970' show					
Sand			1212	1297		Oil & Gas 988-98 show					
Coal			1297	1300		HFV 1085'					
Slate			1300	1305							
Sand & Lime			1305	1325							
Slate			1325	1350							
Gritty Lime			1350	1370							
Sand			1370	1407							
Lime			1407	1415							
Sand			1415	1514							
Little Lime			1514	1565							
Pencil Cave			1565	1568							
Big Lime			1568	1720							
Injun Sand (Konner) Grey			1720	1750							
Slate & Lime			1750	1770							
Big Injun			1770	1807							
Slate & Lime			1807	3343							
Brown Shale			3343	3453							
Lime & Slate			3453	3629							

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	<u>Cities Service Oil Co.</u>
ADDRESS	<u>Box 873 Charleston, W. Va. 25323</u>
COAL OPERATOR OR OWNER	<u>January 3 1973</u>
ADDRESS	<u>Elk District</u>
LEASE OR PROPERTY OWNER	<u>Kanawha County</u>
ADDRESS	<u>Rt. 5 Box 137 Charleston W. Va. Well No. "F" #1, GW-372</u>
	<u>James R. Jones Farm</u>
STATE INSPECTOR SUPERVISING PLUGGING <u>Fred Burdette</u>	

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of \_\_\_\_\_

ss:

Steve Duckworth and Eugene Prunty

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Cities Service Oil Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16 day of January, 1973, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION	<u>Filled Hole with gel (6% Bentonite Mud)</u>	SIZE & KIND	<u>4035</u>	<u>904=6 5/8</u>
			<u>966</u>	<u>658=8 5/8</u>
	<u>Cement 20 sx</u>	<u>5030-4910</u>		
	<u>Cement 7 sx</u>	<u>4035-4015</u>		
	<u>Cement 18 sx coal</u>	<u>1330-1277</u>		
	<u>Cement 7 sx</u>	<u>966-946</u>		
	<u>Cement 28 sx coal</u>	<u>252-197</u>		
	<u>Cement to surface 35 sx</u>	<u>66-0</u>		
	<u>Total cement 115 sx</u>			
	<u>Total gel 40 sx</u>			
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		<u>6" x 15" Erected as prescribed</u>		
(NAME)		<u>by law.</u>		
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 31 day of January, 1973.

And further deponents saith not.

Sworn to and subscribed before me this 15 day of February, 1973

My commission expires:

Jan 2, 1980

Steve Duckworth  
Eugene Prunty  
County Clerk

Notary Public.

Permit No. Kan-320-P E. HOLL