

OGIS 7.5' loc  
 38° 17' 30" 2.415 5.295  
 81° 42' 30" .940 3.20 W

- NEW LOCATION
- RECONDITION
- 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."  
 Minimum degree of accuracy is one part in 200

(W.S.G.-N.B.No. 96 Pg. 20)

Signed *ay Barney* R.P.E.No. 2024

COMPANY	<i>Quinoco Petroleum INC.</i>		
ADDRESS	P.O. BOX 1433 CHARLESTON, W. VA. 25325		
FARM	THE COURTLAND COMPANY ET AL		
MAP	WV14	ACRES	3064
		LEASE NO.	2341
WELL (FARM) NO.	5	SERIAL NO.	753
ELEVATION (SPIRIT LEVEL)	1206.5'		
QUADRANGLE	CHARLESTON S.W.		
COUNTY	KANAWHA	DISTRICT	WASHINGTON
POINT OF PROVEN ELEVATION	TOP OF CASING WELL No. KAN. 1608 U.S.G.S. DATUM		
FILE NO.	DRAWING NO.		
DATE	OCTOBER 10, 1966. SCALE 1" = 1000'		

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. *KAN-2083-P*

MAY 4 1967

+ 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.

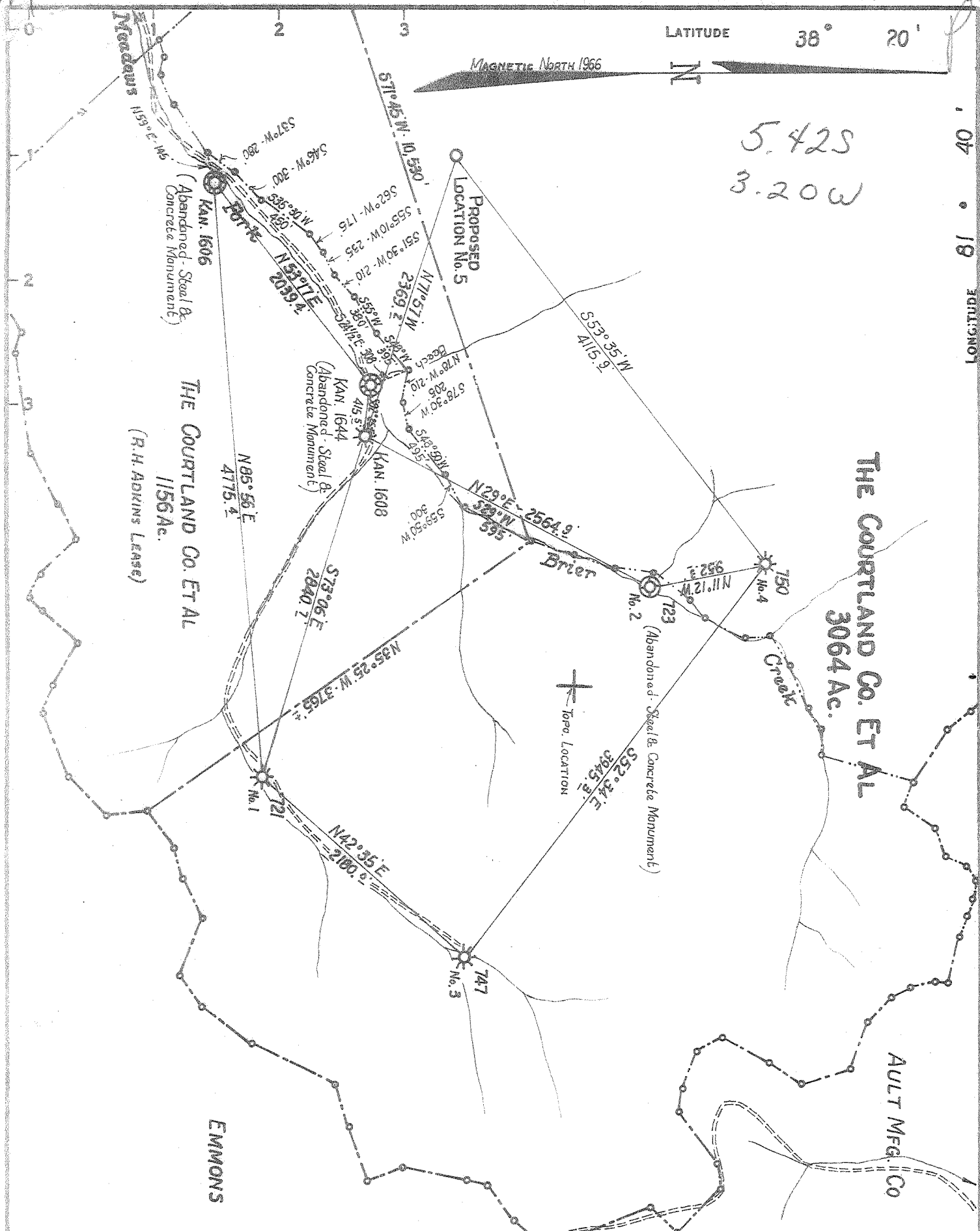
10-11-66

LATITUDE 38° 20'

MAGNETIC NORTH 1966

LONGITUDE 18 07

5.42S  
3.20W



**CERTIFICATE**

"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."

Minimum degree of accuracy is one part in 200

(W.S.G.-N.B.No.96 Pg.20)

Signed *W. J. Barney*

R.P.E.No.2024

- NEW LOCATION
- RECONITION
- DRILL DEEPER
- ABANDONMENT

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. Box 1433 CHARLESTON, W. VA. 25325		
FARM	THE COURTLAND COMPANY ET AL		
MAP	WV14	ACRES	3064
LEASE NO.	2341		
WELL (FARM) NO.	5	SERIAL NO.	753
ELEVATION (SPIRIT LEVEL)	1206.5'		
QUADRANGLE	CHARLESTON S.W.		
COUNTY	KANAWHA	DISTRICT	WASHINGTON
POINT OF PROVEN ELEVATION	TOP OF CASING WELL No. KAN. 1608 U.S.G.S. DATUM		
FILE NO.	DRAWING NO.		
DATE	OCTOBER 10, 1966		
SCALE	1" = 1000'		

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**

File No. KAN-2023

✦ 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.

6-6 305

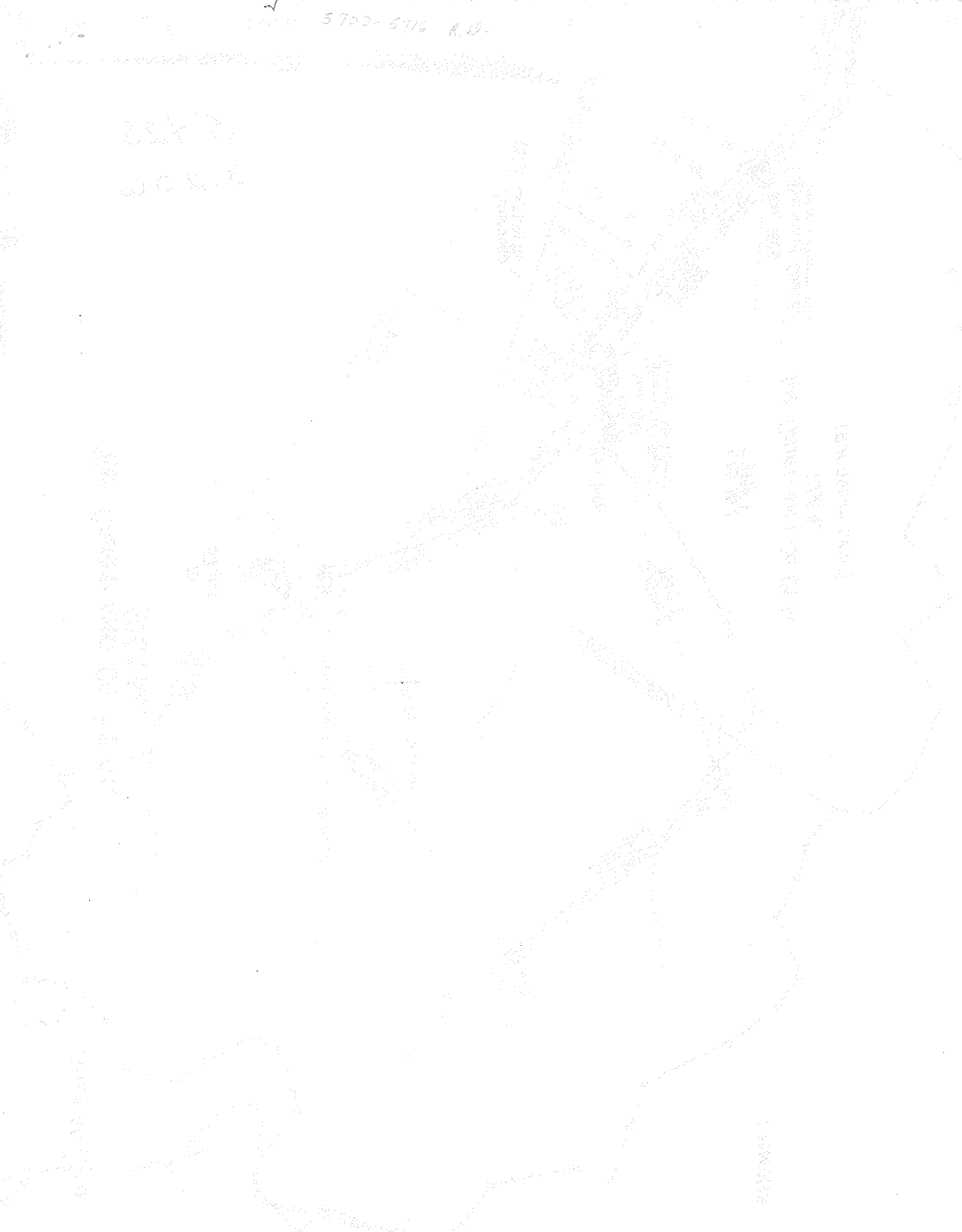
Deep well (Newburg)

Orisk.

Newburg - 5688-5708 12

5702-6716 R.D.

25x  
30x



**DESCRIPTION**

This map was prepared for the purpose of showing the location of the property described in the foregoing plat and for the purpose of showing the location of the property described in the foregoing plat and for the purpose of showing the location of the property described in the foregoing plat.

NAME OF PROPERTY	ACRES
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Oil or Gas Well  Gas  
(KIND)

Quadrangle Charleston S.W.

Permit No. Kan. 2083

WELL RECORD

Company Commonwealth Gas Corporation  
Address P.O. Box 1433, Charleston, W. Va. 25325  
Farm The Courtland Co., et al Acres 3064  
Location (waters) Meadows Fork of Brier Creek  
Well No. (5) Serial No. 753 Elev. 1206.5  
District Washington County Kanawha  
The surface of tract is owned in fee by The Courtland Co.  
Odd Fellows Bldg. Address Charleston, W. Va.  
Mineral rights are owned by The Courtland Co. & Thomas  
L. Brown Estate Address Kan. Valley Bank, Chas  
W. Va.  
Drilling commenced November 16, 1966  
Drilling completed December 12, 1966  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 4,108,000 (before Frac.) Cu. Ft.  
Rock Pressure 1,950 lbs. 100 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
<input checked="" type="checkbox"/> 20"	17'	17'	
13	506	506	
<input checked="" type="checkbox"/> 9-5/8"	2055	2055	Size of
8 1/4"			Depth set
6 5/8"			
5 3/16"			
<input checked="" type="checkbox"/> 4-1/2"	5793	5793	Perf. top <u>5702</u> ) 8 Perf. bottom <u>5700</u> ) holes
2			Perf. top <u>5708</u> ) 2 Perf. bottom <u>5709</u> ) holes
Liners Used			

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
15 bags behind the 20" casing, 125 bags behind the 13" casing, 200 bags behind the 9-5/8" casing, 185 bags behind the 4-1/2" casing.  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

WELL FRACTURED Dec. 15, 1966 with 500 gal. mud acid, 28000 lbs. sand and 578 bbls. water.

RESULT AFTER TREATMENT 15,000,000<sup>M</sup> cu. ft. Newburg  
ROCK PRESSURE AFTER TREATMENT 1950#  
Fresh Water 300 Feet 700 Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & Sand			0	220			
Sand			220	320	Water	300	Hole Wet
Sand & Shale			320	455			
Show of Coal			455	460			
Shale & Sand			460	485			
Show of Coal			485	490			
Shale			490	512			
Show of Coal			512	515			
Shale			515	525			
Show of Coal			525	530			
Sand & Shale			530	705			
Shale			705	770	Water	770	Hole Wet
Sand & Shale			770	865			
Sand			865	1,005			
Sand & Shale			1,005	1,105			
Sand			1,105	1,700			
Sand & Shale			1,700	1,790			
Big Lime			1,790	1,960			
Injun Sand <u>365 Red</u>			1,960	2,025			
Sand & Shale			2,025	2,448			
Berea Sand			2,448	2,455			
Shale & Sand			2,455	3,000			
Shale			3,000	4,932			
Corniferous Lime			4,932	5,029			
Oriskany Sand			5,029	5,040			
Lime & Sand <u>Helderberg &amp; Cayuga</u>			5,040	5,703			
Newburg Sand			5,703	5,716	Gas	5702-5709	4,108,000 cu. ft. Natural
Lime <u>McKenzie</u>			5,716	5,753			
TOTAL DEPTH				5,753			

(over)

**RECEIVED**  
SEP 08 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, 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.

N/A	Quinoco Petroleum, Inc.
Coal Operator or Owner	Name of Well Operator
Address	P.O. Box 1433
N/A	Charleston, WV 25325
Coal Operator or Owner	Complete Address
Address	August 28, 19 87
The Courtland Company	WELL AND LOCATION
Lease or Property Owner	Washington District
205 Odd Fellows Building, Charleston, WV 25301	Kanawha County
Address	753
	WELL NO.
	The Courtland Company No. 5 Farm

STATE INSPECTOR SUPERVISING PLUGGING

Carlos Hively  
223 Pinch Ridge Rd.  
Elkview, WV 25071

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Lincoln

ss:

Paul Byrd and A. J. Pauley

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 Jackson Development Company, inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of August, 19 87, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material		Plugs Used Size & Kind	Casing	
	Total Depth			CSG PULLED	CSG LEFT IN
	5753'	5753'			
Gel hole	5753' - Surface				
Cement	5753' - 5653'				
Cut 4 1/2"	- 2300'		4 1/2"	2300'	3493'
Cement	2300' - 2200'				
Cement	2100' - 2000'				
Cut 8-5/8"	- 1000'		8-5/8"	1000'	1055'
Cement	1000' - 900'				
Cement	600' - 500'				
Gel	500 - Surface				
Erect monument as prescribed by law.					
Coal Seams	Description of Monument				
(Name)	Vented monument with API				
(Name)	#47-039-2083				
(Name)					
(Name)					

and that the work of plugging and filling said well was completed on the 28th day of August, 19 87.

And further deponents saith not.

Sworn to and subscribed before me this 28th day of August, 19 87.

*Paul Byrd*  
*A. J. Pauley*  
*[Signature]*  
Notary Public

My commission expires:  
March 1, 1994

SEP 14 1987  
Permit No. 47-039-2083-P