

OGES 75' loc 15
 38°17'30" 1945 4.825
 81°42'30" 32w 2.58w

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

Signed W. Barney R.P.E. No. 2024

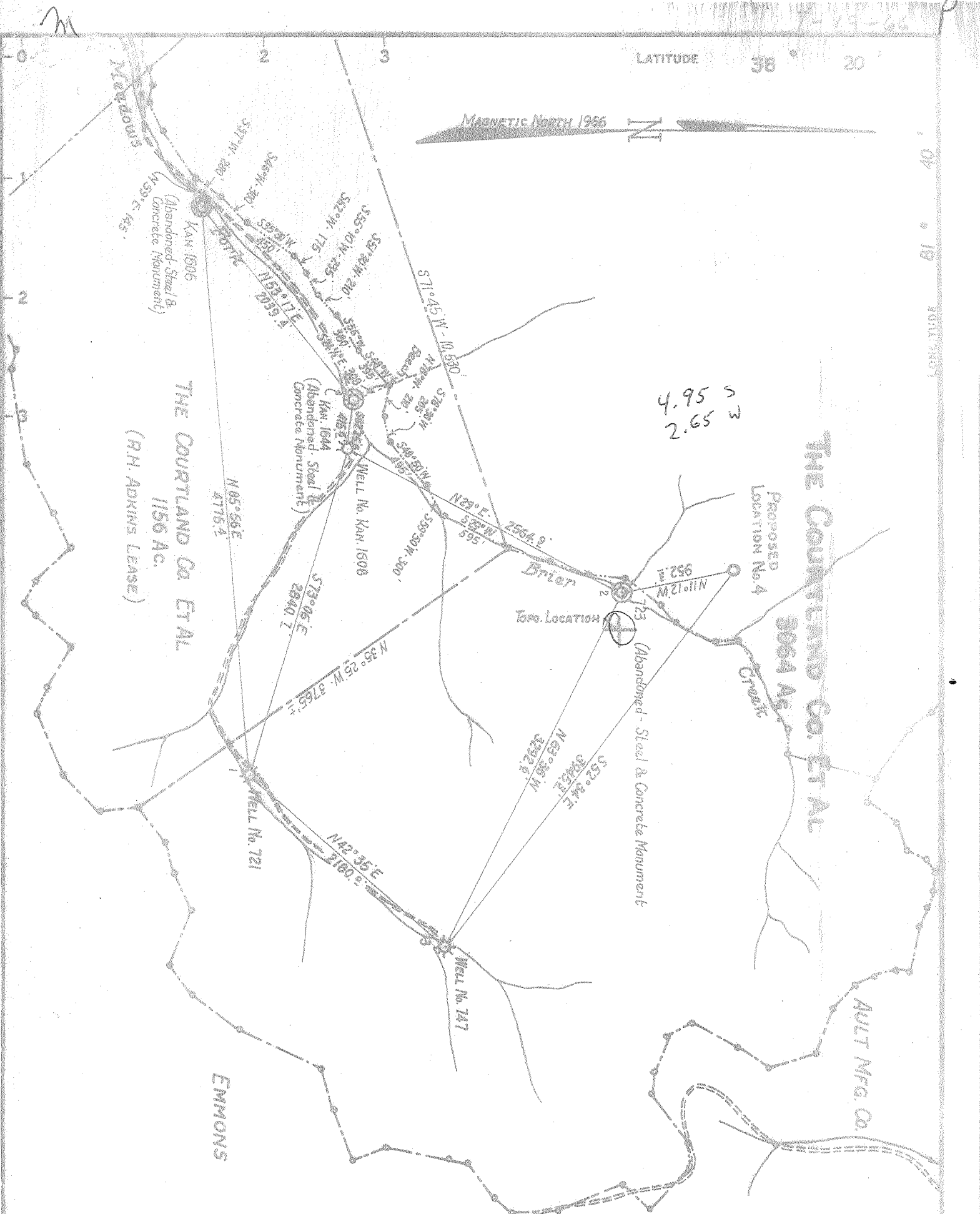
(W.S.G.-N.B. No. 95 Pa. 58)

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY	Quinoco Petroleum, INC.		
ADDRESS	P.O. BOX 1433 CHARLESTON, W.VA. 25325		
FARM	THE COURTLAND COMPANY ET AL		
MAP	WV 12	ACRES	3064
LEASE NO.	2341		
WELL (FARM) NO.	4	SERIAL NO.	750
ELEVATION (SPIRIT LEVEL)	1128.0'		
QUADRANGLE	CHARLESTON S.W.		
COUNTY	KANAWHA	DISTRICT	WASHINGTON
POINT OF PROVEN ELEVATION	TOP OF CASING-PLUGGED WELL No. 723		
	U.S.G.S. DATUM		
FILE NO.	DRAWING NO.		
DATE	JULY 19, 1966.		
	SCALE 1" = 1000'		

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE No. KAN-2074-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.



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

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

(W.S.G.-N.B.No. 95 Pa. 58)

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. BOX 1433 CHARLESTON, W.VA. 25325		
FARM	THE COURTLAND COMPANY ET AL		
MAP	WV 12	ACRES	3064
		LEASE NO.	2341
WELL (FARM) NO.	4	SERIAL NO.	750
ELEVATION (SPIRIT LEVEL)	1128.0'		
QUADRANGLE	CHARLESTON S.W.		
COUNTY	KANAWHA	DISTRICT	WASHINGTON
POINT OF PROVEN ELEVATION	TOP OF CASING-PLUGGED WELL No. 723		
	U.S.G.S. DATUM		
FILE NO		DRAWING NO.	
DATE	JULY 19, 1966.		SCALE 1" = 1000'

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

File No. **KAN-2074**
 clar: 5/

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 6,100. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACE ON BORDER LINE OF ORIGINAL TRACING.

6-6 3080

Deep Well (Newburg)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Charleston S.W.

WELL RECORD

Permit No. Kan. 2074

Oil or Gas Well Gas
(KIND)

Company Commonwealth Gas Corporation
Address P. O. Box 1433, Charleston, W. Va. 25325
Farm The Courtland Co. et al Acres 3,064
Location (waters) Meadows Fork of Brier Creek
Well No. 4 (Serial No. 750) Elev 1128.2
District Washington County Kanawha
The surface of tract is owned in fee by The Courtland Co., et al
Odd Fellows Building Address Charleston, W. Va.
Mineral rights are owned by Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18	432'	432'	
10			Size of
8"	1,993'	1,993'	Depth set
6 5/8"			
5 3/16"			
4-1/2"	5,675'	5,675'	Perf. top 5,618
2"			Perf. bottom 5,626
Liners Used			Perf. top (10 Holes)
			Perf. bottom

Drilling commenced August 11, 1966
Drilling completed September 12, 1966
Date Shot From To
With

Open Flow /10ths Water in Inch
/10ths Merc. in Inch

Volume 440,000 (Natural) Cu. Ft.

Rock Pressure 1,975 lbs. 72 hrs.

Oil bbls., 1st 24 hrs.

WELL ACIDIZED

CASING CEMENTED SIZE No. Ft. Date
75 sacks behind the 13" - 200 sacks behind the
8" - 175 bags behind the 4-1/2".
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

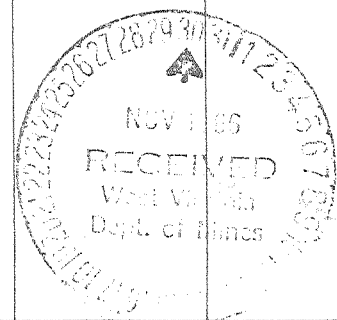
WELL FRACTURED 9-12-1966 with 500 gallons Mud Acid and 27,000# 20/40 Sand and 736 Bbls. Water

RESULT AFTER TREATMENT 10,329,000 cu. ft. Newburg

ROCK PRESSURE AFTER TREATMENT 1,975 lbs. Dead Weight Test

Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>Big Lime</u>			<u>1,747</u>	<u>1,881</u>			
<u>Big Injun</u>			<u>1,897</u>	<u>1,926</u>			
<u>Berea Sand</u>			<u>2,351</u>	<u>2,359</u>			
<u>Corniferous Lime</u>			<u>4,845</u>	<u>4,941</u>			
<u>Criskany Sand</u>			<u>4,941</u>	<u>4,952</u>			
<u>Newburg Sand</u>			<u>5,615</u>	<u>5,631</u>			
					<u>FINAL GAUGE</u>	<u>10,329,000 cu. ft. after</u>	<u>Frac.</u>



RECEIVED
SEP 08 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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, 1207 Quarrier St., East
N/A	Charleston, WV 25325
Coal Operator or Owner	Complete Address
Address	August 18, 19 87
The Courtland Company	WELL AND LOCATION
Lease or Property Owner	Washington District
205 Odd Fellows Building, Charleston, WV 25301	Kanawha County
Address	WELL NO. 750
	The Courtland Co., et al 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 K. D. Bragg

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 3rd day of August, 19 87, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material Total Depth	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
	5631' - Surface			
	Gel hole 5631' - 5531'			
	Cement 5631' - 5531'			
	Cut 4 1/2" - 3172'	4 1/2"	3172	2503
	Cement 3172' - 3072'			
	Cement 2350' - 2300'			
	Cement 2050' - 1950'			
	Cut 9-5/8" - 1085'	9-5/8"	1085	908
	Cement 1135' - 1035'			
	Cement 650' - 550'			
	Cut 13" - 135'	13"	135	297
	Cement 135' - Surface			
	Erect monument as prescribed by law.			
Coal Seams		Description of Monument		
(Name)		30" above surface with		
(Name)		inscription API 47-039-2074-P		
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 18th day of August, 19 87.

And further deponents saith not.

Sworn to and subscribed before me this 18th day of August, 19 87.

Paul Byrd
K. D. Bragg
[Signature]
Notary Public

SEP 14 1987

My commission expires:
March 1, 1994

Permit No. 47-039-2074-P