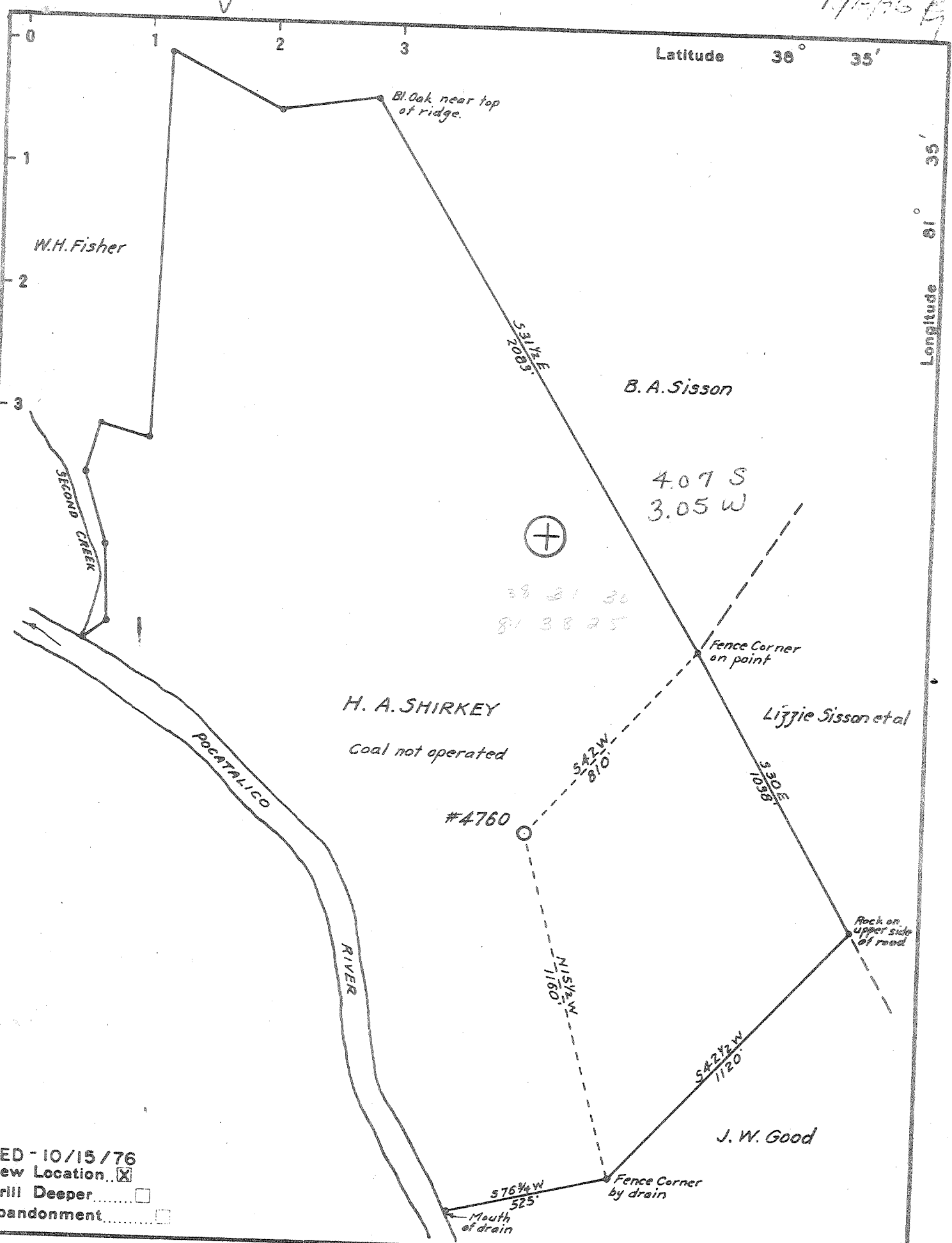


12/15/76



RED - 10/15/76  
 New Location   
 Drill Deeper   
 Abandonment

Company **COLUMBIA GAS TRANS CORP.**

Address **CHARLESTON, W.VA.**

Farm **H. A. SHIRKEY**

Tract \_\_\_\_\_ Acres **107** Lease No. **40272**

Well (Farm) No. **1** Serial No. **4760**

Elevation (Spirit Level) \_\_\_\_\_

Quadrangle **KENNA** **SC**

County **KANAWHA** District **POCA**

Engineer **G.A. Cunningham**

Engineer's Registration No. **659**

File No. **60-71** Drawing No. \_\_\_\_\_

Date **JULY 15, 1937** Scale **1" = 400'**

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

**WELL LOCATION MAP**  
 FILE NO. **KAN-428-RD**

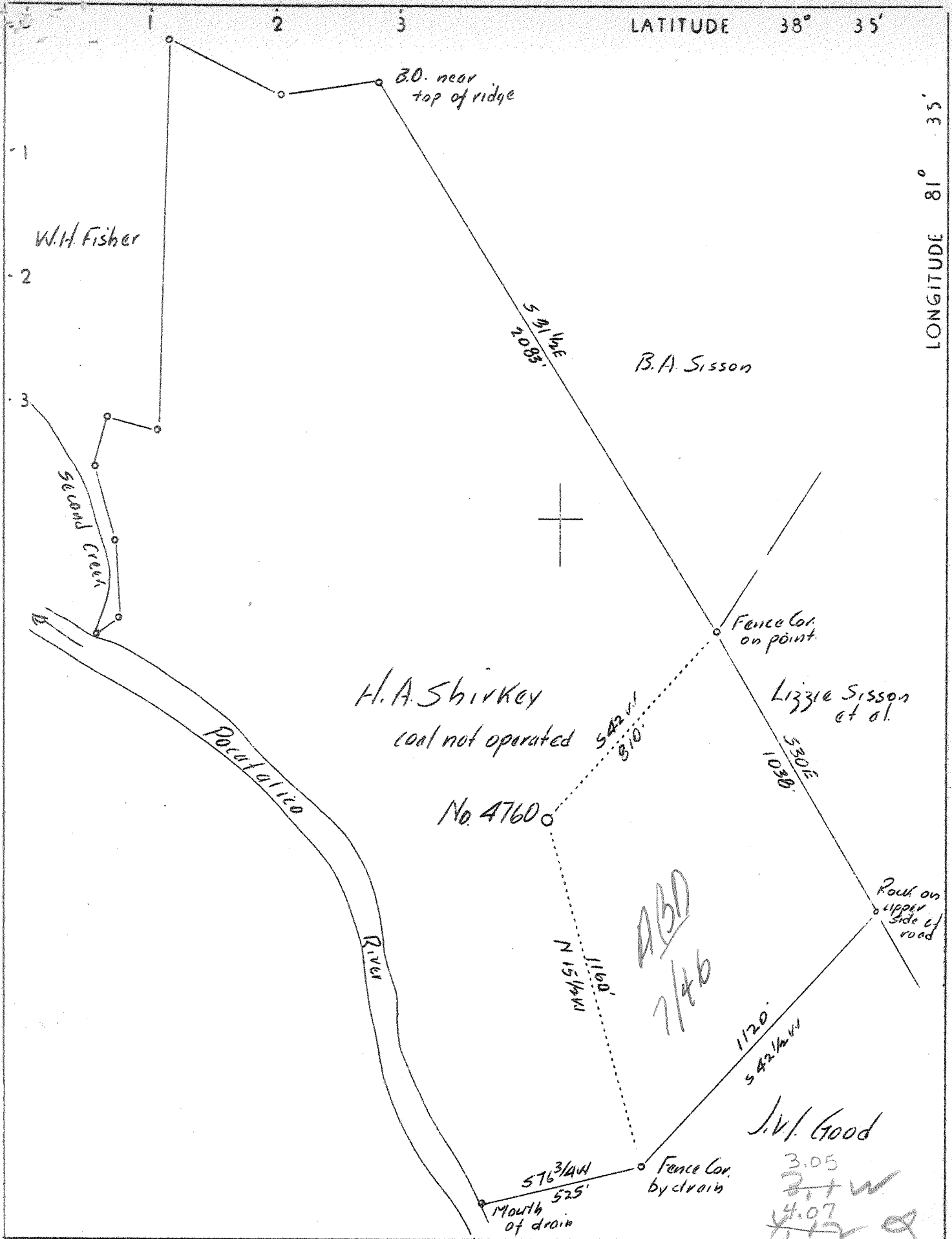
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

**47-039**

OWNED BY EAK POCA SISSONVILLE 129

OCT 25 1976



Company	United Fuel Gas Co.
Address	Charleston, W.Va.
Farm	H.A. Shirkey
Tract	Acres 107 Lease No. 40272
Well (Farm) No.	1 Serial No. 4760
Elevation (Spirit Level)	
Quadrangle	Kenna <b>5C</b>
County	Kanawha District Poca
Engineer	G.A. Cunningham
Engineer's Registration No.	659
File No.	60-71 Drawing No.
Date	July 15, 1937 Scale 1"=400'

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

WELL LOCATION MAP

File No. KAN-428D

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.

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

W E L L R E C O R D

Permit No. Kan-428

Gas Well

Kenna Quad.

CASING & TUBING

Company	United Fuel Gas Co.	14	463	463
Address	Charleston, W.Va.	10	1528	1528
Farm	H.A. Shirkey Acres 107	8 5/8	1803	1803
Location	Pocatalico River	7" O.D.	4755	4755
Well No.	4760			
	Elev. 663.03			
District	Poca			
	County Kanawha			
Surface	H.A. Shirkey, Sissonville, W.Va.	CASING CEMENTED: 7" O.D.		
Mineral	Same	4712' (Cemented in on shoe)		
Drilling	Commenced Sept. 8, 1937			
	Completed Nov. 26, 1937			
Volume	8,622,000 Cu. Ft.			
Rock Press.	Not taken			

Formation Color		Hor	Top	Base	Result	Formation Color		Hor	Top	Base	Result
Sub Soil			0	15		This well caught fire, and burned down the rig, when fire was put out, well tested 8,622,000 Cu. Ft. Well was connected up and turned in line. No Rock Pressure test taken.					
Red Rock			15	80							
Sand			80	122							
Slate			122	145							
Sand			145	150							
Slate			150	157							
Sand			157	182							
Red Rock			182	228							
Sand			228	287							
Slate			287	305							
Red Rock			305	314							
Sand			314	342							
Slate			342	413							
Sand			413	457							
Slate	White		457	615							
Sand			615	670							
Lime			670	700							
Slate			700	731							
Lime			731	740							
Slate			740	810							
Lime			810	830							
Slate			830	913							
Slate & Shell			913	1072							
Salt Sand			1072	1464							
Slate			1464	1469							
Little Lime			1469	1485							
Pencil Cave			1485	1490							
Big Lime			1490	1606							
Keener			1606	1616							
Big Lime			1616	1666							
Big Injun			1666	1710	Sh. Oil						
Slate			1710	1778	1670						
Lime	Black		1778	1830	Water						
Slate & Shell			1830	3321	2 Bailers						
Shale	Brown		3321	3375	in 8 hrs.						
Slate & Shell			3375	3620	1680'						
Shale	Brown		3620	3900							
Slate	White		3900	4375							
Shale	Brown		4375	4600	Sh. Gas						
Slate			4600	4625	3825						
Shale	Brown		4625	4676	Cable Meas.						
Comiferous Lime			4704	4805	S.L.M.						
Oriskany Sand			4805								
TOTAL DEPTH				4824	Gas	S.L.M. 4809					
					4816						
					Gas						
					4821						

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

Permit No. Kan-428-D  
Kenna Quad.

Gas Well

Company United Fuel Gas Company  
Address Box 1256, Charleston, W. Va.  
Farm H. A. Shirkey Acres 107  
Location Poca River  
Well No. 4760 Elev. 668.03  
District Poca, Kanawha County  
Surface H. A. Shirkey, Sissonville, W. Va.  
Commenced August 7, 1941  
Completed August 19, 1941  
Shot August 22, 1941 Depth 4808  
Volume Gas Well

NO CHANGE

NOTE:-

Steel line was run when starting to drill well deeper.

The top of Oriskany sand and gas pays were changed.

Original total depth 4825 - equals - 4809 steel line measure.

Oriskany	4809	4855	Gas 4829-4835
Total Depth		4855	
Filled back to		4836	

RECEIVED

AUG 16 1977

OIL & GAS DIVISION  
DEPT. OF MINES

Form OG-10



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary

Spudder

Cable Tools

Storage

Oil or Gas Well

G-2  
(KIND)

Quadrangle.....

Permit No. KAN 428-RED

WELL RECORD

Company Columbia Gas Trans. Corporation  
Address P.O. Box 1273, Charleston, WV

Farm H. A. Shirkey Acres 107

Location (waters) Derricks Creek

Well No. 12064 (4760) Elev. ....

District Sissonville County Kanawha

The surface of tract is owned in fee by H. A. Shirkey

Mineral rights are owned by H. A. Shirkey

Drilling commenced 11/5/76

Drilling completed 12/1/76

Date Shot..... From..... To.....

Open Flow /10ths Water in Trace Inch

/10ths Merc. in..... Inch

Volume..... Cu. Ft.

Rock Pressure..... lbs..... hrs.

Oil..... bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) 2000 gal.

WELL FRACTURED (DETAILS).....

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 44 MCF

ROCK PRESSURE AFTER TREATMENT 156 HOURS 24

Fresh Water..... Feet..... Salt Water..... Feet.....

Producing Sand Big Lime Depth.....

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16.....	20'		
13.....		443'	Size of.....
10.....		1501'	
8 1/4.....			Depth set.....
5-1/2		1670'	
5 3/16.....			Perf. top 1620
4 1/2.....			Perf. bottom 1626
3.....			Perf. top 1644
2.....			Perf. bottom 1646
Liners Used.....			

Attach copy of cementing record.  
 CASING CEMENTED 5-1/2 SIZE No. Ft. 1670' Date.....  
 Amount of cement used (bags) 50  
 Name of Service Co. Halliburton  
 COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
 FEET..... INCHES..... FEET..... INCHES  
 FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sd. & Sh.			0	216			
Shale			216	900			
Sd. & Sh.			900	1072			
Salt Sand			1072	1464			
Slate			1464	1469			
Little Lime			1469	1485			
Pencil Cave			1485	1490			
Big Lime			1490	1666			
TD			1670				

NOTE: Well No. 4760 was a plugged Oriskany well which we cleaned out for Storage purposes in our X-7 Big Lime Storage Field - due to low open flow, we plan to retain the well for observation purposes.

SEP 12 1977



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 15 1976

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE October 15, 1976

Surface Owner Mary M. Shirkey et ux

Company Columbia Gas Transmission Corp.

Address Sissonville, W.Va. 25320

Address P.O. Box 1273, Charleston, W.Va.

Mineral Owner Same as above

Farm H. A. Shirkey Acres 107 25325

Address \_\_\_\_\_

Location (waters) Poca River

Coal Owner Same as above

Well No. 4760 Elevation 668.03'

Address \_\_\_\_\_

District Poca County Kanawha

Coal Operator Not Operated

Quadrangle \_\_\_\_\_

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for redrilling. This permit shall expire if operations have not commenced by 2-15-77.

INSPECTOR  
TO BE NOTIFIED Martin Nichols

ADDRESS P.O. Box 554, Clendenin, W.Va. 25045

PHONE 548-6993

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated September 16 1935 by HA & Ernie I. Shirkey made to United Fuel Gas Co. and recorded on the 19th day of November 1935, in Kanawha County, Book 64 Page 367

       NEW WELL        DRILL DEEPER   X   REDRILL        FRACTURE OR STIMULATE  
       OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Columbia Gas Trans. Corp.

(Sign Name)

Well Operator  
Director, Exploration and Dev.  
P.O. Box 1273

Address  
of  
Well Operator

Charleston

Street  
City or Town

W. Va. 25325

State

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

\*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

KAN-428-RD PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47 039

Signed by   
Director, Exploration and Dev.

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X RE DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME Mr. Allen McKown  
 ADDRESS \_\_\_\_\_ ADDRESS P.O. Box 610, Clendenin, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 965-3317  
 ESTIMATED DEPTH OF COMPLETED WELL: 463' ROTARY \_\_\_\_\_ CABLE TOOLS X  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X COMR. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	15'		
8 - 5/8			
7	463'		
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title