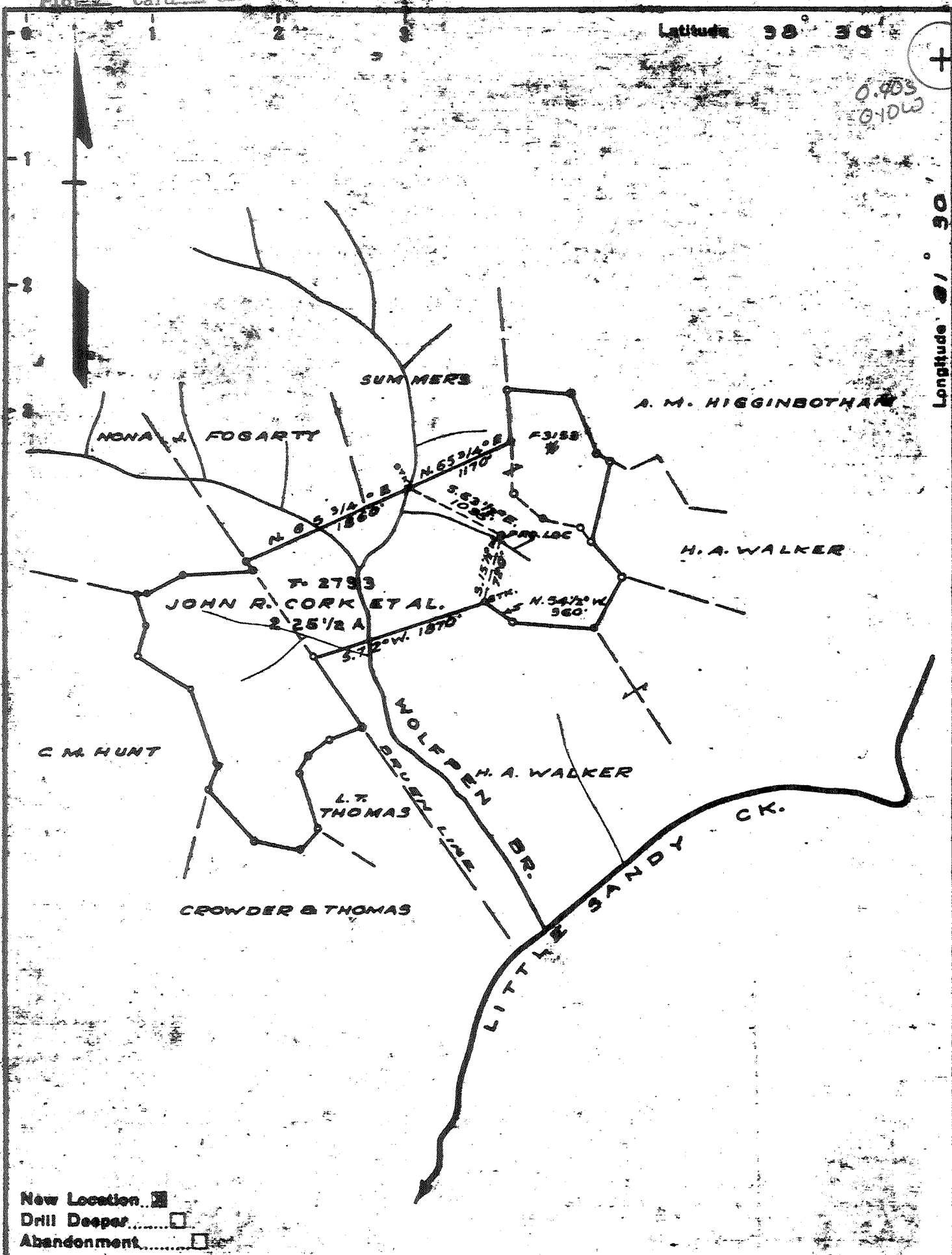


0.403
0.10W



New Location
 Drill Deeper
 Abandonment

Company COLUMBIAN CARBON CO.
 Address BOX 873 CHARLESTON W. VA.
 Farm JOHN R. CORK ET AL.
 Tract _____ Acres 225 1/2 Lease No. 7-2793
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 539.3
 Quadrangle CHARLESTON 1-060-007
 County KANAWHA District ELK
 Engineer [Signature]
 Engineer's Registration No. 778
 File No. _____ Drawing No. 334
 Date JUNE 23, 1945 Scale 1" = 20'

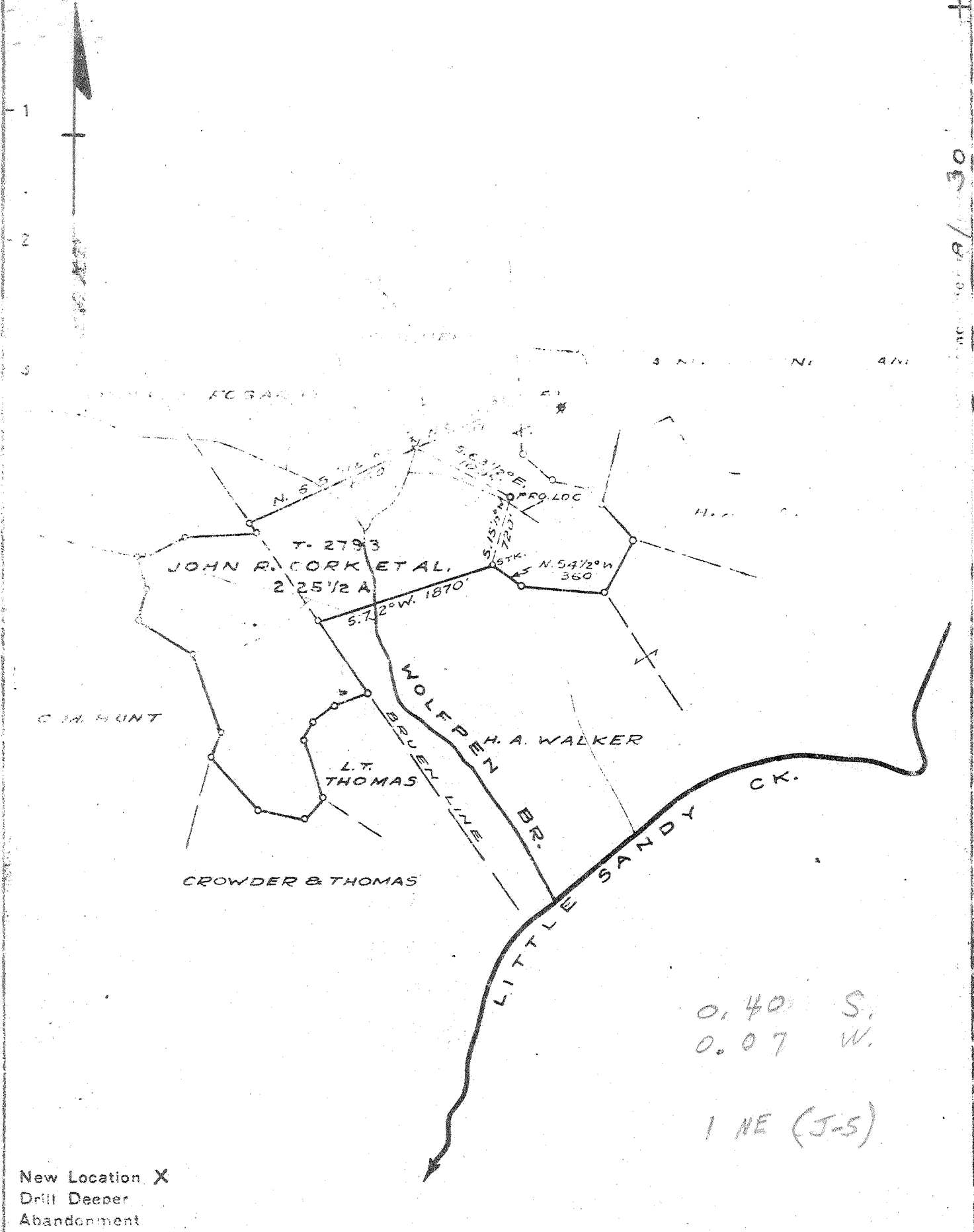
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. KAN-1235-Rec

+ 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.

NOV 19 1945
47-039



0.40 S.
0.07 W.
1 NE (J-5)

New Location X
Drill Deeper
Abandonment

Company COLUMBIAN CARBON CO.
 Address BOX 873 CHARLESTON W. VA.
 Farm JOHN R. CORK ET AL.
 Tract _____ Acres 225 1/2 Lease No. T-2793
 Well (Farm) No. 1 Serial No. 817
 Elevation (Sea Level) 899.3
 Quadrangle CHARLESTON NE 1-040-007
 County KANAWHA District ELK
 Engineer J. M. Sell
 Engineer's Reg. No. 772
 File No. _____ Drawing No. 334
 Date JUNE 23, 1945 Scale 1" = 320'

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

WELL LOCATION MAP
 FILE NO. KAN-1235

+ 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.

o Denotes one in 1000 spaces on border lines

192
 6-6-45

Deep Well

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

Permit No. Kan 1235
Charleston Quad.

Gas Well
CASING & TUBING

Company Columbian Carbon Company
Address Box 873, Charleston 23, W.Va.
Farm John R. Cork et al Acres 225½
Location Wolfpen Branch
Well No. 1 GW 817 Elev. 901.8 DF
District Elk Kanawha County
Surface Effie Jarrett, Chelyan, W.Va.
Mineral John R. Cork et al (For further
 addresses contact C.C.)
Commenced 8-7-45
Completed 11-20-45
Date shot 11-21-45 Depth 5160' SLM to 5194'SLM
 with 250# Atlas Gelatin
Volume 5,034,000 C.F.
Rock Pressure 1425 lbs. 48 hrs.
Salt Water 1218' filling up; 1268' H.F.

13 3/8	31'6	31'6	
10 1/2	32.75#	404'7	pld.
8 1/2	24#	1679'	pld.
7	22#	5095'9	Same
2	3/8	5203'8	Same
3 1/2	8.7#	62'2	Same

PACKER
Midget Bottom Hole
Size 7"
Depth 5051' SLM

Clay	0	25
Sand	25	125
Slate	125	130
Sand	130	150
Slate	150	225
Sand	225	245
Slate	245	260
Red Rock	260	275
Slate	275	400
Lime	400	405
Slate	405	420
Sand	420	580
Slate	580	695
Sand	695	718
Slate	718	739
Sand	739	775
Slate	775	785
Sand	785	838
Slate	838	860
Sand	860	875
Slate	875	967
Sand	967	1000
Slate	1000	1026
-Salt Sand	1026	1608
Slate	1608	1612
-Little Lime	1612	1645
-Slate	1645	1651
-Big Lime	1651	1792
-Big Injun Sand	1792	1830
Slate & Shells	1830	1834
-Weir Sand	1834	1935
Slate & Shells	1935	2165
Lime Shells	2165	2215
Slate & Shells	2215	3950
Brown Shale	3950	4024
Slate & Shells	4024	4730
Brown Shale	4730	4945
White Shale	4945	4973
Brown Shale	4973	5038
-Corniferous Lime	5038	5169
-Oriskany Sand	5169	5200
Lime Shell	5200	5211
-Oriskany Sand - Held	5211	5242
TOTAL DEPTH		5242

CEMENT RECORD:

10 1/2" casing not aquagelled
8 5/8" casing not aquagelled
11-4-45 7" casing. Ran 50 sacks aquagel
and 2 bags Fibrotex. No circulation
or returns. Delbert Lawson, Cementor,
C.C. Co. Crew.

5038 5169

Gas 1755' show

Gas 2097' show

Gas 4802' show

SLM
5169' SLM- 5163' DLM

Gas Pays: 5176-5187'

5038 902 <hr/> 4130	5242 5169 <hr/> 73
---------------------------	--------------------------



IV-35
(Rev 8-81)

Date April 26, 1983
Operator's Well No. 7337
Farm John R. Cork, Heirs
API No. 47 - 039 - 1235

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas ___ / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage X / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 901.8' Watershed Wolfpen Branch
District: Elk County Kanawha Quadrangle Big Chimney

COMPANY Columbia Gas Transmission Corporation

ADDRESS P.O. Box 1273 Charleston, WV 25325

DESIGNATED AGENT E. M. Williamson

ADDRESS P.O. Box 1273 Charleston, WV 25325

SURFACE OWNER Lee Jarrett, Jr.

ADDRESS P.O. Box 216 Elkview, WV 25071

MINERAL RIGHTS OWNER John R. Cork, Heirs

ADDRESS Agent-Charleston National Bank

OIL AND GAS INSPECTOR FOR THIS WORK Martin Nichols
ADDRESS P.O. Box 554 Clendenin, WV 25045

PERMIT ISSUED October 13, 1981

DRILLING COMMENCED (Reconditioning) 10-15-81

DRILLING COMPLETED (Reconditioning) 7-27-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-3/8" 18-1/2"	Orig.	32'	
9 5/8			
8 5/8			
7	Orig.	5096'	(Squeeze) 885'3"
5 1/2			
4 1/2		5139.80	596'3"
3			
2-3/8"		5/80"	----
Liners used	MAY 1983		

GEOLOGICAL TARGET FORMATION Oriskany Sand

DEPT. OF MINES
Depth _____ feet

Depth of completed well 5242 feet Rotary ___ / Cable Tools X

Water strata depth: Fresh ___ feet; Salt ___ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth 5211 feet

Gas: Initial open flow NA Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow 280 Mcf/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours

Static rock pressure 734 psig (surface measurement) after ___ hours shut in
(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours

Static rock pressure _____ psig (surface measurement) after ___ hours shut in

(Continue on reverse side) MAY 9 1983

KAN. - 1235

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Reconditioned : Pulled 5,204' of 2-3/8" tubing, cleaned hole to TD. Perforated 7" @ 1810'-1819' interval with 4" dynajet and squeezed with 885' cubic feet of cement. Ran 5,139.80' of 4 1/2" casing and cemented with 596 cubic feet of cement. Ran 2-3/8" tubing (5180') inside of 4 1/2". Well was not stimulated.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation
Well Operator

By: William H. Foraker

Date: 4-27-83

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including those encountered in the drilling of a well."

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

PROPOSED WORK ORDER TO _____ DRII Recondition
 DRILLING CONTRACTOR: (If Known) _____ XX - FRACTURE-STIMULATE
 NAME _____ RESPONSIBLE AGENT: _____
 ADDRESS _____ NAME Larry E. Humphreys
 TELEPHONE _____ ADDRESS P.O. Box 1273, Charleston, WV
 ESTIMATED DEPTH OF COMPLETED WELL: 5250' TELEPHONE (304) 346-0951 25325-1273 (Zip)
 PROPOSED GEOLOGICAL FORMATION: Oriskany ROTARY _____ CABLE TOOLS XX
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE XX DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10		32'	
9 - 5/8			
8 - 5/8			
7		5,096	To surface
5 1/2		5,100 (new)	1,000'
4 1/2			
3			
2		5,200	Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____ FEET _____
 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