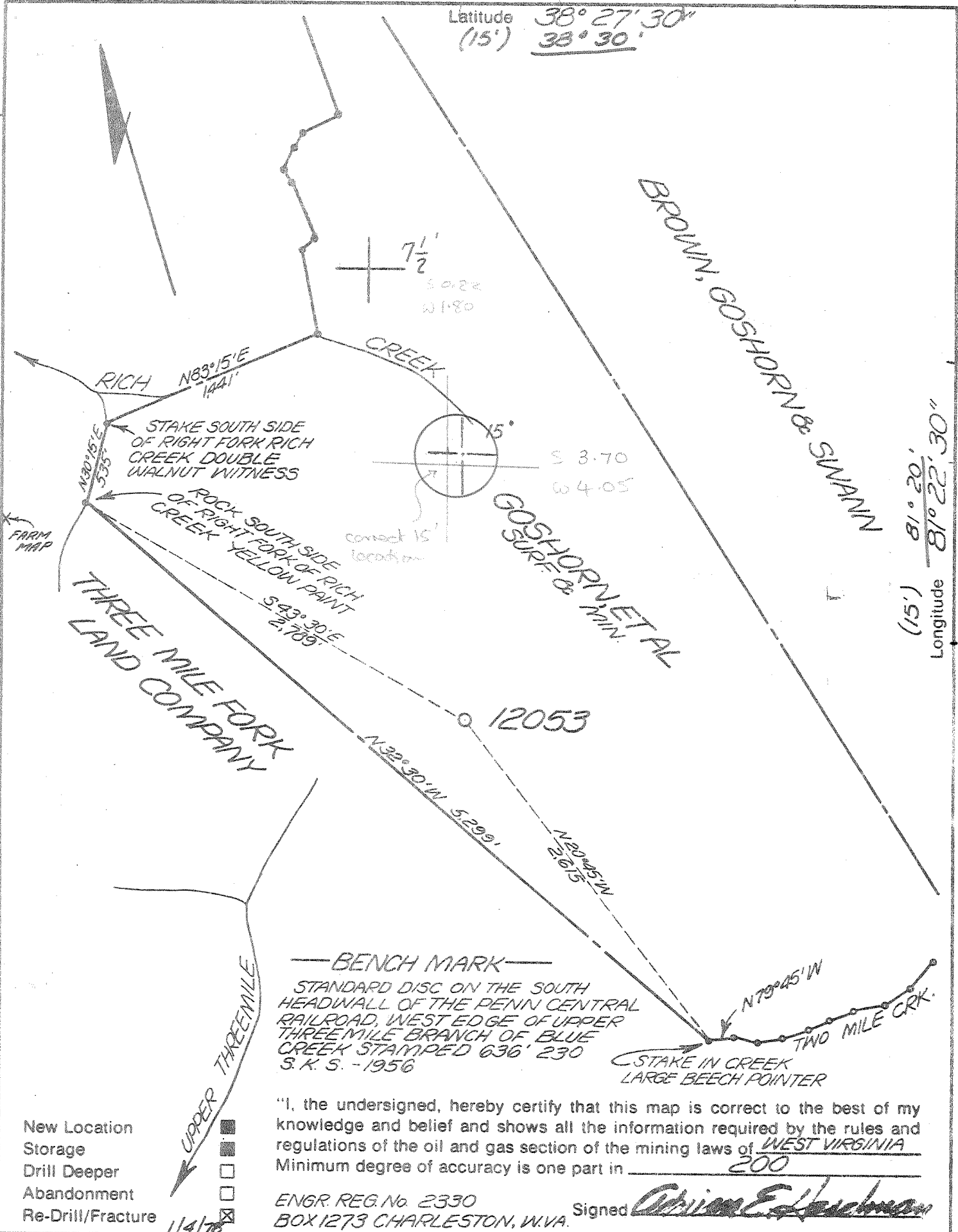


9,400'

Latitude $38^{\circ} 27' 30''$
(15') $38^{\circ} 30'$

4,325'



(15') $81^{\circ} 20'$
Longitude $81^{\circ} 22' 30''$

BENCH MARK
STANDARD DISC ON THE SOUTH HEADWALL OF THE PENN CENTRAL RAILROAD, WEST EDGE OF UPPER THREE MILE BRANCH OF BLUE CREEK STAMPED 636' 230 S. K. S. - 1956

STAKE IN CREEK LARGE BEECH POINTER
TWO MILE CRK.

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"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 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

ENGR. REG. No. 2330
BOX 1273 CHARLESTON, W.VA.

Signed *Adrian E. [Signature]*

Company COLUMBIA GAS TRANS. CORP.
Address BOX 1273 CHARLESTON, W.VA.
Farm GOSHORN, ETAL
Lease 49097 Acres 340
Well Farm No. 3 Ser. No. 12053
Elevation - Spirit Level 1146.37' NC
Quadrangle BLUE CREEK Clendenen 15'
Township or District ELK
County KANAWHA
Sec., Lot, Qr. _____ T _____ R _____
Coordinates LAT: 38° 26' 47" LONG: 81° 24' 28"
File No. 74-65 Dwg. No. _____
Date 2-27-76 Scale 1" = 800"

WELL LOCATION MAP
STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

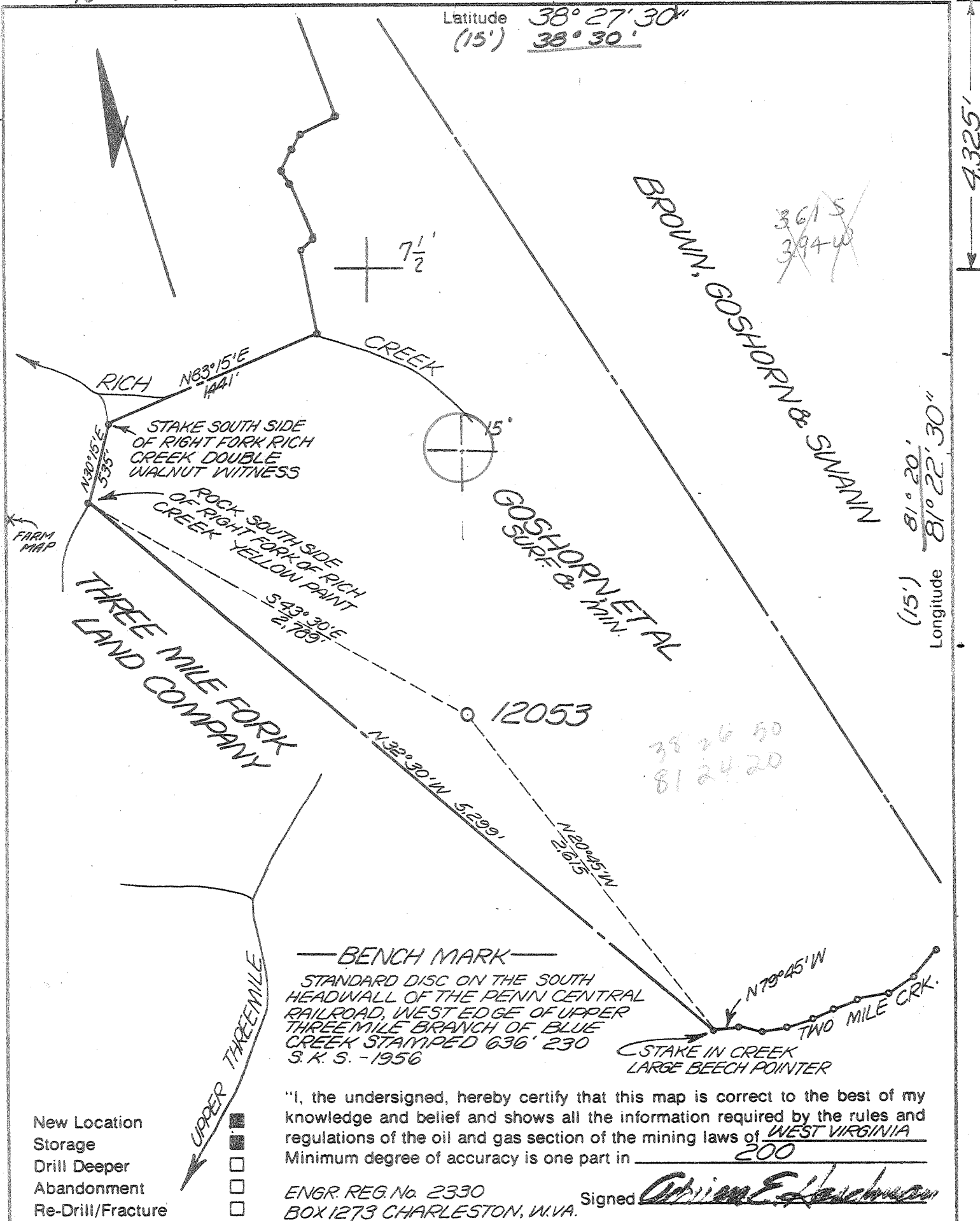
KAN-2783-P

Scale 15' 7 1/2'

47-039

Deep Well

FEB 9 1978



Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm GOSHORN, ET AL
 Lease 49097 Acres 340
 Well Farm No. 3 Ser. No. 12053
 Elevation - Spirit Level 1146.37' NC
 Quadrangle 7 1/2 BLUE CREEK; Clendenin 15'
 Township or District ELK
 County KANAWHA
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT: 38° 26' 47" LONG: 81° 24' 28"
 File No. 74-65 Dwg. No. _____
 Date 2-27-76 Scale 1" = 800"

WELL LOCATION MAP
STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

KAN-2783
Scale 15' 7 1/2'

47-039 AUG 5 1977

RECEIVED

MAR 23 1978



OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well Gas
(KIND)

WELL RECORD 4

Quadrangle.....
Permit No. Kan.-2783

Company Colymbia Gas Transmission Corp.
Address P.O. Box 610, Clendenin W. Va.
Farm Goshorn, et, al Acres 340
Location (waters) Blue Creek
Well No. 12053 Elev. 1146.37'
District..... County Kanawha
The surface of tract is owned in fee by.....
Address.....
Mineral rights are owned by.....
Address.....

Drilling commenced July 19, 1977
Drilling completed Aug. 4, 1977
Date Shot..... From..... To.....
With.....

Open Flow 16 /10ths Water in..... 2 Inch
...../10ths Merc. in..... Inch
Volume..... 169 MCF Cu. Ft.
Rock Pressure 1460 lbs. 158 hrs.

Oil..... bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS).....
WELL FRACTURED (DETAILS) 1104 Bbls 30,000# 20/40 Sand

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 166 MCF
ROCK PRESSURE AFTER TREATMENT 1460 HOURS 1 Week
Fresh Water..... Feet..... Salt Water..... Feet.....
Producing Sand Oriskany Depth 5550-5560

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16			
13 3/8	243'	243'	Size of.....
XX 9-5/8"	2289'	2289'	
XX 7"	5510'	1685'	Depth set.....
6%			
5 3/16			
4 1/2			
3			Perf. top.....
2 3/8"	5532'	0	Perf. bottom.....
Liners Used			Perf. top.....
			Perf. bottom.....

Attach copy of cementing record.
CASING CEMENTED 7-21-77 13-348 Ft. 243' XXX
Amount of cement used (bags) 250sks
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
Red Clay	Red		0	40	H ₂ O@120'		
Sand			40	250			
Shale&Sand			250	1150			
Salt Sand			1150	1580	Salt Water		
Shale			1580	1765	@ 1110'		
Lime			1765	2010			
Sand			2010	2020			
Shale			2020	2115			
Weir Sand			2115	2211	Oil Show		
Shale			2211	5420			
Lime			5420	5540			
Oriskany			5540	5590			
Shale			5590	5610			
T.D.			5610				

MAR 30 1978

Formation	Color	Hard or Soft	Top ψ	Bottom	Oil, Gas or Water	Depth Found	Remarks
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Cementing Record

9-5/8" Casing was cemented with 700 sks. posimix and 100 sks. neat cement on July 28, 1977, by Halliburton Services. Cement was returned to surface.

7" Casing was cemented with 150 sks. neat cement on July 31, 1977, by Halliburton Services.

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MAR 28 1978

OIL & GAS DIVISION
DEPT. OF MINES

Date 3-7, 1978

APPROVED *W. J. Johnson*, Owner

By *Dir. Mgr.*
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
JUL 16 1977
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 13, 1977

Surface Owner Goshorn & Goshorn, Agents
Address P.O. Box 1331, Charleston, WV 25321

Company Columbia Gas Transmission Corp.
Address P.O. Box 1273, Charleston, WV 25325

Mineral Owner Goshorn & Goshorn, Agents
Address P.O. Box 1331, Charleston, WV 25321

Farm Goshorn, et al. Acres 340
Location (waters) Blue Creek

Coal Owner Goshorn & Goshorn, Agents
Address P.O. Box 1331, Charleston, WV 25321

Well No. 3-12053 Elevation 1146.37'
District Elk County Kanawha

Coal Operator Not operated
Address _____

Quadrangle Blue Creek

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 drilling. This permit shall expire if operations have not commenced by 11-18-77.

INSPECTOR
TO BE NOTIFIED Mr. Martin Nichols
P.O. Box 554
ADDRESS Clendenin, WV 25045
PHONE 548-6993

Robert H. Hester
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 May 1 1953 by Henriette H. Shearer made to United Fuel Gas Co. and recorded on the _____ day of _____ 19____, in Kanawha County, Book 132 Page 251

NEW WELL _____ DRILL DEEPER _____ 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.

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

Address
of
Well Operator

Very truly yours,
John R. Hennen
(Sign Name) Columbia Gas Transmission Corp.
Director, Exploration & Development
P. O. Box 1273
Street
Charleston
City or Town
West Virginia 25325
State

*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-2783 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."

Signed by John R. Hennen
Director, Exploration & Development

47-039

Summary

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT:
 NAME _____ NAME Mr. Harry Seese
 ADDRESS _____ ADDRESS P.O. Box 1273, Charleston, WV 2532
 TELEPHONE _____ TELEPHONE (304) 346-0951
 ESTIMATED DEPTH OF COMPLETED WELL: 5611' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE X 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 - 1 1/2	30'		
13 - 1 1/2 3/8	250'		<i>To Surface</i>
9 - 5/8	2300'		
8 - 5/8			
7	5514'		
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ 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