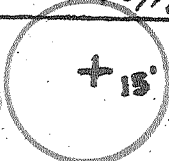


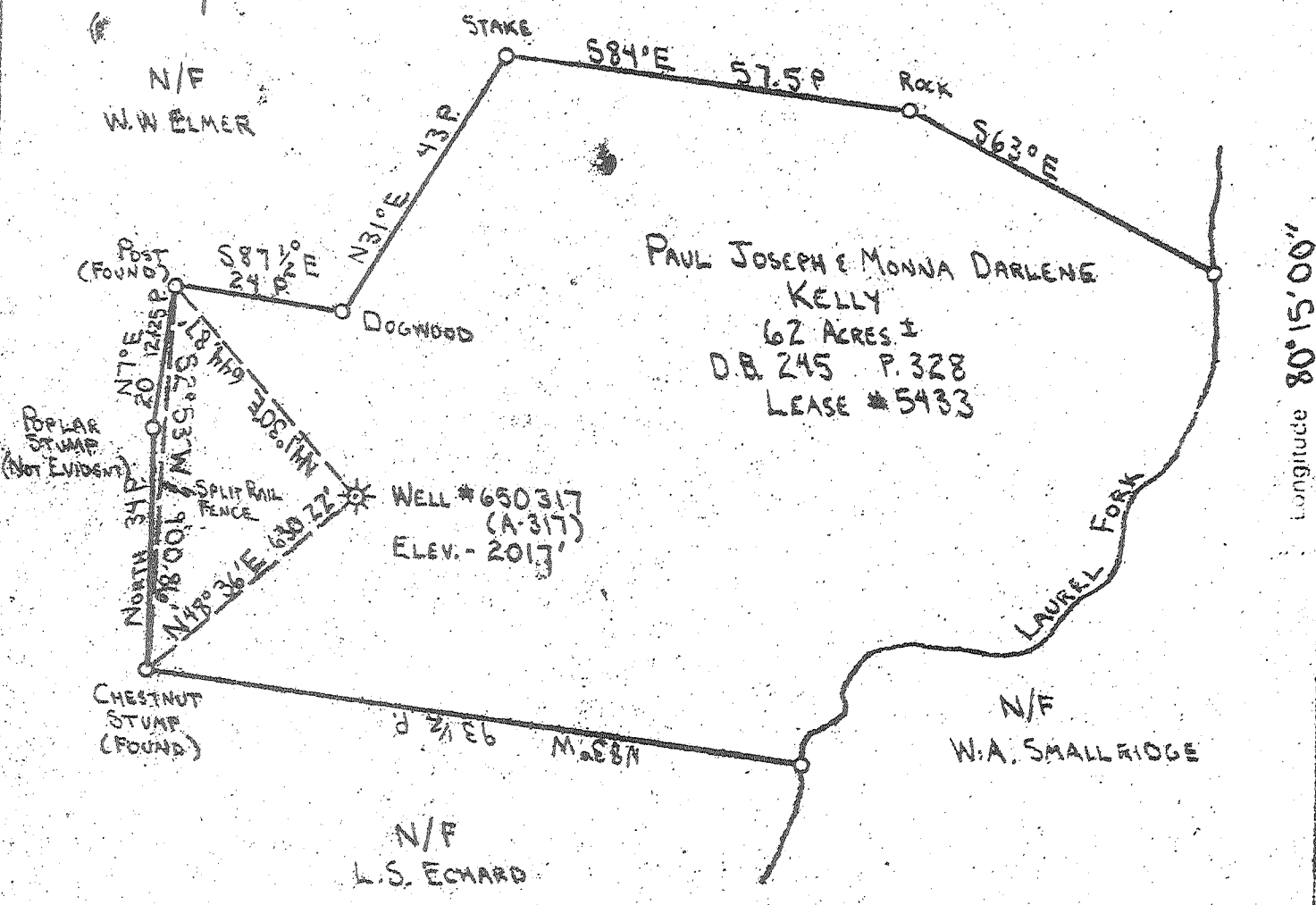
Latitude 38° 50' 00"

10/18/79 P4

0.275
122W



38 49 45
80 16 20



PAUL JOSEPH & MONNA DARLENE
KELLY
62 ACRES ±
D.B. 245 P. 328
LEASE # 5433

BENCH MARK - C&GS DISK STAMPED "J-273-1962"
SET IN ROCK LEDGE ON THE NORTH
SIDE OF Co. Rd. 11, 5.2 MILES NW
OF ALEXANDER.

FIELD BOOK 1289-N P. 6
MAP # S-26/25

COAL OWNED BY _____

- 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 2500

Signed: Robert C. Floyd
SURVEYOR # 6427 (OHIO)

Company COLUMBIA GAS TRANSMISSION CORP.
 Address PO Box 1273 CHARLESTON, W.VA. 25325
 Farm PAUL & MONNA KELLY
 Lease 5433 Acres 62 ±
 Well Farm No. _____ Sec. No. 650317 (A-317)
 Elevation - Spirit Level 2017' SE
 Quadrangle ROCK CAVE 7 1/2', CRAWFORD 15'
 Township or District MEADE DISTRICT
 County UPSHUR
 Sec. Lot, Or. _____ T _____ R _____
 Coordinates Lat. - 38° 49' 50" Long. - 80° 16' 20"
 File No. _____ Dwg. No. _____
 Date Nov. 6, 1978 Scale 1" = 400'

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

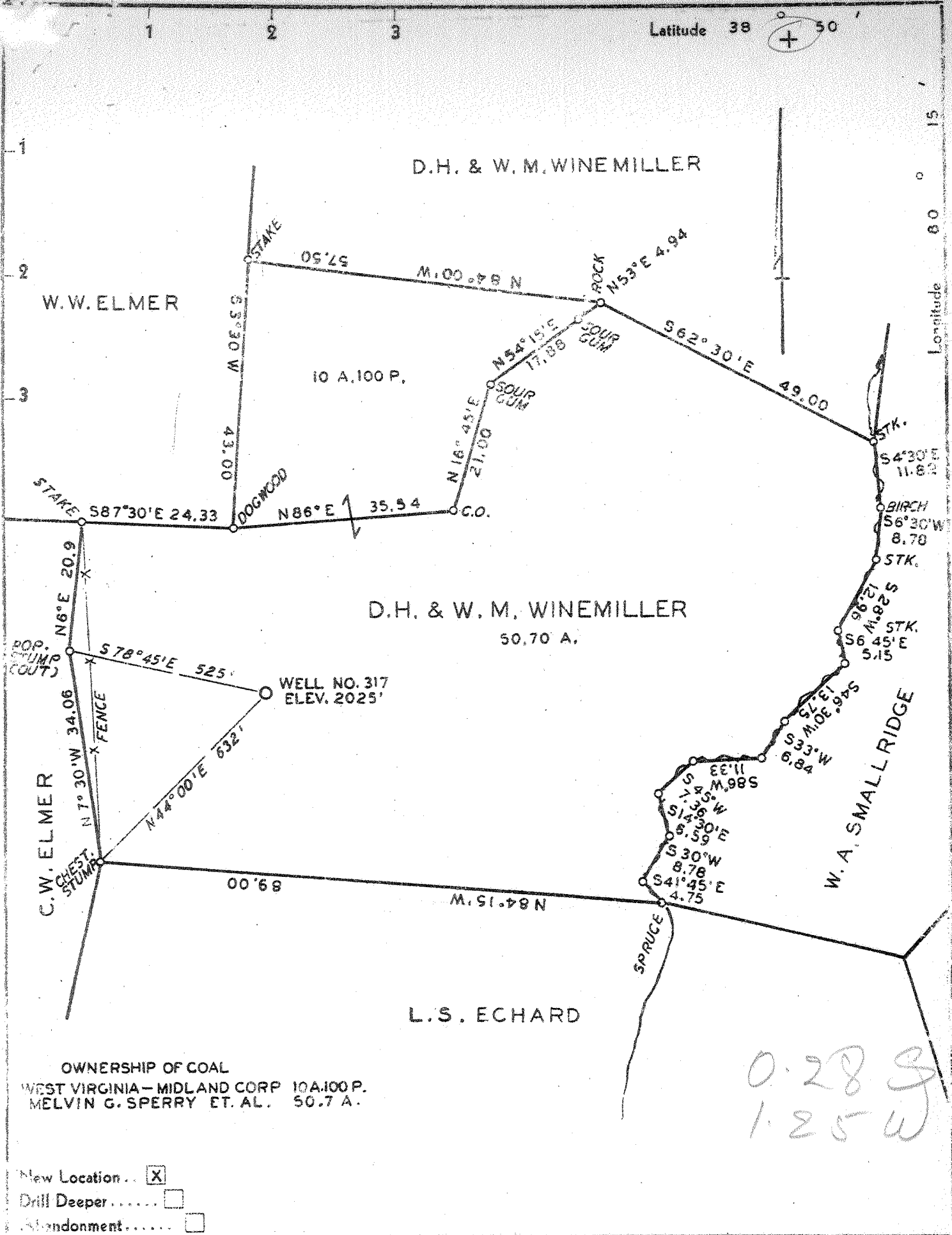
47-097-0122-DD

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

Scale 15' 7 1/2'

NOV. 26 1979

ALP... 6-0 CAVE RUN 259



OWNERSHIP OF COAL
 WEST VIRGINIA—MIDLAND CORP. 10A.100P.
 MELVIN G. SPERRY ET. AL. 50.7 A.

- New Location...
- Drill Deeper.....
- Abandonment.....

Company CUMBERLAND & ALLEGHENY GAS CO.
 Address 800 UNION TRUST BLDG. PITTSBURGH, PA.
 Farm D, H. & W. M. WINEMILLER
 Tract 1 Acres 63 Lease No. 5433
 Well (Farm) No. 1 Serial No. 317
 Elevation (Spirit Level) 2025'
 Quadrangle CRAWFORD S. E.
 County UPSHUR District MEADE
 Engineer C. P. Russell
 Engineer's Registration No. _____
 File No. _____ Drawing No. Y-10 455
 Date DEC. 4, 1941. Scale 1" = 20 RDS = 330'

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

WELL LOCATION MAP
 File No. UP-122

— 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 & GAS DIVISION
W E L L R E C O R D

Permit No. Up-122		Gas Well
Company	Cumberland & Allegheny Gas Co.	CASING & TUBING
Address	800 Union Trust Bldg, Pitts. Pa.	10 166'
Farm	D.H. Winemiller Acres 63	8 1/2 980'5 980'5
Location	---	6 5/8 2076'2 2076'2
Well No	1-317	
	Elev. Y-10-455 (see tracing)	
District	Meade Upshur County	
Surface	D.H. Winemiller, R.D. 2, French Creek, W. Va.	
Mineral	Cumberland & Allegheny Gas Co. Pittsburgh, Pa.	
Commenced	1-30-42	
Completed	3-14-42	
Flow	38/10ths M in 2" ←	
Rock Pressure	325 lbs. 48 hrs.	
Fresh Water	60° 225°	

Soil, Clay, Slate	0	53	
Sand	53	63	
Slate	63	95	
Sand	95	150	
Slate	150	190	
Sand	190	240	
Slate	240	260	
Sand	260	335	
Slate & Shells	335	360	
Sand	360	380	
Slate, Shells, Lime	380	760	
Sand	760	790	
Slate & Lime	790	976	
Sand	976	994	
Slate & Lime	994	1070	
Sand	1070	1095	
Slate	1095	1104	
Red Rock	1104	1155	
Lime	1155	1265	
Red Rock	1265	1305	
Lime, Slate, Shells	1305	1375	
Maxon Sand	1375	1412	
Slate	1412	1416	
Big Lime	1416	1618	
Big Injun Sand	1618	1658	
Slate	1658	1665	
Sand	1665	1680	
Red Rock & Shell	1680	1720	
Slate & Rock	1720	1740	
Sand	1740	1755	
Rock, Lime, Slate	1755	2080	
Gordon Stray Sand	2080	2093	
Red Rock	2093	2095	
Gordon Sand	2095	2113	
Red Rock & Shells	2113	2134	
Sand	2134	2165	
Slate	2165	2167	
Fourth Sand	2167	2174	
Slate & Shells	2174	2257	
Fifth Sand	2257	2274	
Slate & Shell	2274	2280	Gas 2260-2269 S.L. 2862
TOTAL DEPTH		2280	



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Rock Cave

WELL RECORD

Permit No. 47-097-0122 DD

Oil or Gas Well Gas
(KIND)

Company <u>Columbia Gas Transmission Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 1273, Charleston, W.Va. 25314</u>	Size			
Farm <u>M.D. & J. P. Kelly</u> Acres <u>50.7</u>	16			Kind of Packer
Location (waters) <u>Laurel Fork</u>	13			Size of
Well No. <u>A-317</u> Elev. <u>2017'</u>	10			Depth set
District <u>Meade</u> County <u>Upshur</u>	8 1/4	2,076'	2,076'	
The surface of tract is owned in fee by <u>M.D & J. P. Kelly</u>	7 3/8			
Address	5 3/16			
Mineral rights are owned by <u>D.L.M. Coal Corp. et al</u>	4 1/2	4,064	4,064	Perf. top <u>3843</u>
Address	3			Perf. bottom <u>3854</u>
Drilling commenced <u>April 21, 1980</u>	2			Perf. top <u>3992</u>
Drilling completed <u>April 24, 1980</u>	Liners Used			Perf. bottom <u>4021</u>
Date Shot From To				
With				
Open Flow <u>28</u> /10ths Water in <u>3/4</u> Inch	Attach copy of cementing record.			
/10ths Merc. in. Inch	CASING CEMENTED <u>4 1/2"</u> SIZE <u>789</u> No. Ft. <u>4/25/80</u> Dat			
Volume <u>22,069</u> Cu. Ft.	Amount of cement used (bags) <u>45</u>			
Rock Pressure <u>Not Taken</u> lbs. hrs.	Name of Service Co. <u>Haliburton</u>			
Oil bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>None</u> FEET INCHES			
WELL ACIDIZED (DETAILS)	FEET INCHES FEET INCHES			
WELL FRACTURED (DETAILS) <u>Riley and Benson were treated with a two stage Nitrogen Foam Frac</u>	FEET INCHES FEET INCHES			
<u>Benson was treated with 12,500# of 80/100 mesh and 35,000# of 20/40. Riley with 7,500# 80/100</u>				
<u>25,000# 20/40</u>				
RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>464 Mcfd</u>				
ROCK PRESSURE AFTER TREATMENT <u>950 Psig</u> HOURS <u>92</u>				
Fresh Water <u>None</u> Feet Salt Water <u>None</u> Feet				
Producing Sand <u>Riley and Benson</u> Depth				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Balltown (Bradford)	Gray	soft	3288	3354			
Riley	Gray	soft	3618	3858	Show Gas	3850	
Benson	Brown	Medium	3992	4040	Gas	3992	

4040
3288

752

RECEIVED
DD FT. MAY 30 1980
OIL & GAS DIVISION
DEPT. C. M.

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. A-317
API Well No. 47-097-0122
State County Perm

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)
LOCATION: Elevation: 2017' Watershed: Laurel Fork
District: Meade County: Upshur Quadrangle: Rock Cave

WELL OPERATOR Columbia Gas Transmission Corporation DESIGNATED AGENT John R. Henning
Address P. O. Box 1273 Address P. O. Box 1273
Charleston, WV 25325 Charleston, WV 25325

OIL & GAS ROYALTY OWNER Tressie L. & Lloyd C. Reger COAL OPERATOR Unoperated
Address 236 Carter Avenue Address
Denton, MD 21629

ACREAGE 62
SURFACE OWNER Monna D. & Joseph P. Kelly COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Rt. 1 - Box 28A Name D.L.M. Coal Corporation
French Creek, WV 26218 Address P. O. Box 672
 Buchanan, WV 26201
Name James D. Larosa, et al
Address 309 Clark Street
Clarksburg, WV 26301

FIELD SALE (IF MADE) TO:
Name
Address
COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Stewart
Address P. O. Box 345
Jane Lew, WV 26378

OIL & GAS DIVISION
DEPT. OF MINES

RECORDED
OCT 18 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated January 16, 1937, to the undersigned well operator from D. H. & W. M. Winemiller

[If said deed, lease, or other contract has been recorded:]
Recorded on , 19 , in the office of the Clerk of the County Commission of Upshur County, West Virginia, in Deed Book 17 at page 77. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper X / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 12-2-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plan and declaration plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3052

BLANKET BOND

Columbia Gas Transmission Corporation
Well Operator
By JRH

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, Benson Sand

Estimated depth of completed well, 4000 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water								
Coal								Depths set
Intermediate								
Production	4 1/2			X		4000		Perforations: Top Bottom
Tubing								
Miners								

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

All provisions being in compliance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling deeper

This permit shall expire if operations have not commenced by 7-3-60

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____
Its _____