





IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINESState of Mest Mirginia

Bepariment of Mines Gil und Cas Bivision

	Date	0c	tober	19,	1983	
Į.		ator No.		20543		_
	Farm	a Amh	erst	Coal	Company	
	API	No.	47 _	039	_ 03884	
		datama				•

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1273.61 Watershed Coa	al Fork			
District: Malden County Kanawha	3. (Quadrangle	Quick	
•			,	
i i a Componetion		•		
COMPANY Columbia Gas Transmission Corporation				Cement
ADDRESS P. O. Box 1273, Charleston, WV 25325	Caşing	Used in		fill up
DESIGNATED AGENT James L. Weekley	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P. O. Box 1273, Charleston, WV 25325	Size 20-15	20°	20*	20 sacks
SURFACE OWNER Amherst Coal Company	Cond.	20	20	
ADDRESS Port Amherst, Charleston, WV 25306	13- ¥0"	564.70	564.70°	502
MINERAL RIGHTS CWNER Amherst Coal Company	9 5/8	2373.39	3273.39	1145
ADDRESS Port Amherst, Charleston, WV 25306	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Martin P. O. Box 554	7	5350	53501	117
Nichols ADDRESS Charleston, WV 25045	5 1/2			
PERMIT ISSUED	4 1/2	6686.38'	6686.381	119
DRILLING COMMENCED August 4, 1982	3			
DRILLING COMPLETED August 29, 1982	2 3/8	6836.00'	6836.00	
IF APPLICABLE: PLUGGING OF DRY HOLE ON .	Liners			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	used			
CN		1		
GEOLOGICAL TARGET FORMATION Tuscarora		Dep	th 7150	feet
Depth of completed well 6785 feet	Rotary_X	/ Cabl	e T∞ls_	
Water strata depth: Fresh 76, 1156 feet;				
Coal seam depths: 631' and 1059'				area? Yes
OPEN IT OU DAME				
OPEN FLOW DATA	Dat	z zone der	oth 6716-67	128 feet
Producing formation Tuscarora	Oile To:	itial open	flow	Bb1 /c1
Gas: Initial open flow Mcf/d Final open flow 9200 Mcf/d				
Time of open flow between init				
Static rock pressure 1700 psig(surface		ieit) arce		ms since .a.
(If applicable due to multiple completion		u zona der	oth	Fire
Second producing formation	ra;	inial occi	of or	Ph1 /:
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface	measurem	ent, arter		יד אווער או

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

No treatment

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and ga
Shale Sand & Shale Shale Coal Shale Coal Shale Sand Sandy Shale Sand Lime Sand Sandy Shale Sand Lime Sand Tuscarora LTD DTD	12 30 280 631 635 1059 1065 1098 1355 1425 1597 1843 1853 1869 6675 6690	30 280 631 635 1059 1065 1098 1355 1425 1597 1843 1853 1869	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

Well Operator

By: October 19, 1988

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 that it is a seriountered in the drilling of a well."



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74 (447 - 039 - 3884	
	3004	
The acres	The state of the s	-
Date	June 16, 1982	7
	- June 10: 1302	-
	THE RESIDENCE OF THE PROPERTY	

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

Cold		PERMIT APPLICATION
UCATION: Elevation: 1773.61		
WELL OFFRATOR Columbia Gas Transmission Corp. WELL OFFRATOR Columbia Gas Transmission Corp. Address D. O. Box 1273 Charleston, WV 25325 CIL AND CAS ROYALI TOMER Address Conl Co. Address Sext Asserts Acreege StO SURFACE OWNER Send as Royalty Owner Address S. Acreege Acreege TO SURFACE OWNER Send as Royalty Owner Address Acreege Acreege No. Acree	(If "Gas", Production X / Und	erground storage / Deep X / Shallow /
WELL OFFRATOR Columbia Gas Transmission Corp. WELL OFFRATOR Columbia Gas Transmission Corp. Address D. O. Box 1273 Charleston, WV 25325 CIL AND CAS ROYALI TOMER Address Conl Co. Address Sext Asserts Acreege StO SURFACE OWNER Send as Royalty Owner Address S. Acreege Acreege TO SURFACE OWNER Send as Royalty Owner Address Acreege Acreege No. Acree	LOCATION: Elevation: 1273.61 Watersh	ed: Coal Fork
Address F. O. Box 1277 Charleston, W 25395 Charleston, W 25395 ROYALTY OWNER Amborat Coal Co. Address Port Address Charleston, W 25396 Acreage 840 SURFACE OWNER Same as Royalty Owner Address Address Acreage FIELD SALE (IF MADE) TO: NAME Address Address Address Address Address Address COAL OWNER(S) WITH DECLARATION ON RECORD: NAME Same as Royalty Owner Address Address Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Same as Royalty Owner Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Peatt Window Co. Address P. O. Box 556 Clendenia, RV 23013 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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on 19 in the office of the Clerk of County Commission of Exquested as follows: FROYOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate / Private or stimulate / Private or of the contract of Mines within Fifteen (15) and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filed with the Department of Mines within Fifteen (15) days after receipt of this Application by the Department of Mines within Fifteen (15) days after receipt of this Application by the Department of Mines within Fifteen (15) days after receipt of this Application by the Department of Private Address on or before the day of the nailing or delivery of this Application by the Department of Mines at Charleston, West Virginia. PLEASE SURBHIT COPIES OF ALL Address P. O. Box 1275 COAL DREATOR, WY 25303 COAL OWNER(S) WITH DECLARATION ON RECORD: Address P. O., Box 1275 COAL DREATOR, WY 25303 COAL DREATOR, WY 25305 COAL DREATOR, WY 25305 COAL DREATOR, WY 25307 C	District: Malden County:	Kanawha Quadrangle: Quick
NOMALTY OWNER Amblerest Cost 1 Co. Address Rot Ambrest Cost Cost Ambrest Rot Address Rot Ambrest Rot Address Rot Address Rot Address Rot Chalceton, WV 25305 SURFACE CHARLESTER OR ROYALTY OWNER Address Royalty Owner Address Address Royalty Owner Records: NAME Part Mining Co. Address Royalty Owner Royalty Owner Address Royalty Owner Address Royalty Owner Royalty	WELL OPERATOR Columbia Gas Transmission Corp.	DESIGNATED AGENT J. I. Weekley
NOMALTY OWNER Amblerest Cost 1 Co. Address Rot Ambrest Cost Cost Ambrest Rot Address Rot Ambrest Rot Address Rot Address Rot Address Rot Chalceton, WV 25305 SURFACE CHARLESTER OR ROYALTY OWNER Address Royalty Owner Address Address Royalty Owner Records: NAME Part Mining Co. Address Royalty Owner Royalty Owner Address Royalty Owner Address Royalty Owner Royalty	Charleston, WV 25325	P. 0. Box 1273 Charleston, WV 25325
Address Port Ambersa Charleston, MV 23006 Acreage PAG Acreage PAG SURFACE CHNER Sere as Royalty Owner Address Address Address Acresso Rege Register Series as Royalty Owner Address Acresso Rege Register Re		
Acreage 640 SURFACE OWNER Same as Royalty Owner Address. Acreage RILLD SALE (IF HADE) TO: MAME Same as Royalty Owner Address Acreage ROYALTY OWNER Same as Royalty Owner Address Acreage RADDRESS ROYALTY OWNER Address Acreage ROYALTY Owner Address COAL LESSEE WITH DECLARATION ON RECORD: NAME PAUL Mining Co. Address P. O. Box 155 Address P. O. Box 155 Telephone 142-6933 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 6/1, 1910, to the undersigned well operator from (If said deed, Lease, or other contract has been recorded:) Recorded on 19 in the office of the Clerk of County Commission of Kanawha County, West Virginia, in 20 Book at page 331 A permit is reduceded as follows: PROPOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)	Address Port Amherst	Address P O Roy 175
SURFACE OWNER Same as Royalty Owner Address Acreage Acreage NAME FIELD SALE (IF MADE) TO: NAME Address Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Pract Mining Co. Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Pract Mining Co. Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Pract Mining Co. Address F. O. Box 137 Clendering, EV 25045 Telephone SAR-6991 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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on, 19, in the office of the Clerk of County Commission of Enancha County, West Virginia, in 20 Book at page 331 - A permit is requested as follows: PROPOSED MORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate // Plug off old formation / Perforate new formation of the physical change in well (specify) The above named coel operator, coal cumer(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filled with the Ceparisment of Mines within fifteen (15) days after receipt of this Application by the Deet, and coal lessees on or before the day of the mailing or delivery of this Application plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL Columbia Cas Tranchission Corporation West Viracinia Oil And GAS CONSERVATION COMMISSION By: Charleston, WY 25311	Charleston, WV 25306	Hansford, WV 25103
Address Address Address Address Address Address Address Address NAME Address NAME Address NAME Address NAME Address NAME Pract Mining Co. Address NAME Pract Mining Co. Address P. O. Box 175 Ransford, WV 25103 NAME NAME NAME NAME NAME NAME SPREAM NAME Pract Mining Co. Address P. O. Box 175 Ransford, WV 25103 NAME NAME NAME NAME NAME NAME NAME NAME	groupped to negative the constitution of the c	COAL OWNER(S) WITH DECLARATION ON RECORD.
Acreage FIELD SALE (IF HADE) TO: HAME Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Pratt Mining Co. Address F. O. Box 175 Hamsford, WV 25103 NAME Address Address P. O. Box 175 Hamsford, WV 25103 NAME Observation Notes and the second of the secon	A distance of the second secon	NAME Same as Royalty Owner
FIELD SALE (IF MADE) TO: NAME Address COAL LESSEE WITH DECLARATION ON RECORD: NAME NAME Pract Mining Co. Address P. O. Box 175 Binnaford, WV 25103 NAME NAME Martin Nichols Address P. O. Box 554 Clendenin, WV 25045 Telephone 548-6993 OIL AND GAS DIVISION WY DEPARTMENT OF MINES 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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on	ACTEROR	
Address COAL LESSEE WITH DECLARATION ON RECORD: NAME Pratt Mining Co. Address P. O. Box 175 NAME Nartin Nichols Address P. O. Box 175 Rearring No. Box 554 Clendenin, Wy 25045 Telephone 588-6993 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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on, 19 _, in the office of the Clerk of County Commission of	Amende and an activation of the control of the cont	
COAL LESSEE WITH DECLARATION ON RECORD: NAME Pract Wining Co. Address P. O. Box 1755 Hensford, RV 25103 NAME Martin Nichols Address P. O. Box 554 Clendenia, WV 25045 Telephone 548-6993 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 6/1, 1910, (If said deed, lease, or other contract has been recorded:) Recorded on, 19, in the office of the Clerk of County Commission of Kanawha County, West Virginia, in 20		
OIL AND GAS INSPECTOR TO BE NOTIFIED: NAME Martin Nichols Address Addre		COAL LESSEE WITH DECLARATION ON RECORD: /
NAME Martin Nichols Address P. O. Rox 554 Clendenin, W. 25045 Telephone 348-6993 The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a dead / lease X / other contract / dated 6/1, 1910, to the undersigned well operator from (If said dead, lease, or other contract has been recorded:) Recorded on 19, in the office of the Clerk of County Commission of Engagement County, West Virginia, in 20 Book at page 331. A permit is requested as foilows: PROPOSED WORK: Drill X / Drill Deeper / 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 322-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Hines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL		NAME Pratt Mining Co.
Telephone	OIL AND GAS INSPECTOR TO BE NOTIFIED:	Hansford, WV 25103
Telephone		न्यवज्ञान विद्य
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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on		945 64 A 1210
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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on	Telephone 548-6993	JUN 1 7 1982
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 6/1, 1910, to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on, 19, in the office of the Clerk of County Commission of Kanawha County, West Virginia, in 20		
to the undersigned well operator from (If said deed, lease, or other contract has been recorded:) Recorded on, 19, in the office of the Clerk of County Commission of	THE STATE OF THE S	
Recorded on	above location under a deed / lease X	/ other contract / dated 6/1, 1910,
Kanawha County, West Virginia, in 20 Book at page 331. A permit is requested as follows: PROPOSED WORK: Drill X / Drill Deeper / 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 \$22-4-3 must be filed with the Department of Hines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Hines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL COUNTY TO: Columbia Gas Transmission Corporation WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION By: Charleston, WV 25311	(If said deed, lease, or other contract has	been recorded:)
PROPOSED WORK: Drill X / Drill Deeper / 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 \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Hines at Charleston, West Virginia. PLEASE SUBHIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION By: CHARLESTON, WV 25311	Recorded on, 19, in the off	ice of the Clerk of County Commission of
PROPOSED WORK: Drill X / Drill Deeper / 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 \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Hines at Charleston, West Virginia. PLEASE SUBHIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION By: CHARLESTON, WV 25311		,
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 \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Hines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation West Virginia Oll AND GAS CONSERVATION COMMISSION By: CHARLESTON, WY 25311	Kanawha County, West Virginia, in	
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 322-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E. CHARLESTON, WV 25311	reducation as tollows:	20 Book at page 331 . A permit is
objection they wish to make or are required to make by Code \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Hines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation West Virginia OIL AND GAS CONSERVATION COMMISSION By: CHARLESTON, WV 25311	PROPOSED WORK: Drill X / Drill Deeper	20 Book at page 331. A permit is / Redrill / Fracture or stimulate /
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PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation Well Operator CONSERVATION COMMISSION By: CHARLESTON, WV 25311	PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change inplanned as shown on the	20 Book at page 331. A permit is / Redrill / Fracture or stimulate / / Perforate new formation / well (specify)
GEOPHYSICAL LOGS DIRECTLY TO: Columbia Gas Transmission Corporation Well Operator Conservation commission By: CHARLESTON, VV 25311	PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in planned as shown on the The above named coal operator, coal owner(s) objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the en mailed by registered mail or delivered by ha er(s), and coal lessees on or before the day	20 Book at page 331. A permit is / Redrill / Fracture or stimulate / / Perforate new formation / well (specify) work order on the reverse side hereof. , and coal lessee are hereby notified that any to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept. closed plat and reclamation plan have been and to the above named coal operator, coal own-
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E. CHARLESTON, WV 25311	PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in planned as shown on the The above named coal operator, coal owner(s) objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the en mailed by registered mail or delivered by ha er(s), and coal lessees on or before the day to the Department of Mines at Charleston, We	20 Book at page 331. A permit is / Redrill / Fracture or stimulate / / Perforate new formation / well (specify) work order on the reverse side hereof. , and coal lessee are hereby notified that any to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept. closed plat and reclamation plan have been and to the above named coal operator, coal own-
CHARLESTON, WV 25311	PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in planned as shown on the The above named coal operator, coal owner(s) objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the en mailed by registered mail or delivered by ha er(s), and coal lessees on or before the day to the Department of Mines at Charleston, We PLEASE SUBMIT COPIES OF ALL	/ Redrill / Fracture or stimulate / Perforate new formation / well (specify) work order on the reverse side hereof. , and coal lessee are hereby notified that any to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept. closed plat and reclamation plan have been and to the above named coal operator, coal ownof the mailing or delivery of this Application st Virginia. Columbia Gas Transmission Corporation
CHARLESTON, WV 25311	PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in planned as shown on the The above named coal operator, coal owner(s) objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the en mailed by registered mail or delivered by ha er(s), and coal lessees on or before the day to the Department of Mines at Charleston, We PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	/ Redrill / Fracture or stimulate / Perforate new formation / well (specify) work order on the reverse side hereof. , and coal lessee are hereby notified that any to make by Code 322-4-3 must be filed with the after receipt of this Application by the Dept. closed plat and reclamation plan have been not to the above named coal operator, coal ownof the mailing or delivery of this Application st Virginia. Columbia Gas Transmission Corporation Well Operator
	PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in planned as shown on the The above named coal operator, coal owner(s) objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the en mailed by registered mail or delivered by ha er(s), and coal lessees on or before the day to the Department of Mines at Charleston, We PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION By	/ Redrill / Fracture or stimulate / Perforate new formation / well (specify) work order on the reverse side hereof. , and coal lessee are hereby notified that any to make by Code 322-4-3 must be filed with the after receipt of this Application by the Dept. closed plat and reclamation plan have been not to the above named coal operator, coal ownof the mailing or delivery of this Application st Virginia. Columbia Gas Transmission Corporation Well Operator

(80Vised 3-81)

PROPOSED WORK ORDER

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ACTUAL	INFORMATION	MUST 8	38	SUBMITTED	ON	FORM	1V-35	UPON	COMPLETION

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GEOLOGICAL	TARGET	FORMAT	ION	Clin	ton				
Estimate Approxim Approxim Is coal	ate co	iter str al seam	ata dept	:hs:_	Fresh	•_523	reet;	ry x / Cab salt, 87	le tools / 3 feet.
		-			16.2	7 No_	X.		
CASING OR TUBING TYPE	-	SPE	M CIFICATI Weight per ft	New	JUsed	for Oril	~ Left in	CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
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Coal	9-5/	STATE OF THE PERSON NAMED AND POST OF THE PER	-	X	-	<u>560</u> 2550		To surface	
Interned.	711		A STATE OF THE PROPERTY OF THE	X		5550	2000	To surface	DIZES
Production	4-12			X	1	7065		Täänneks läit kuljalli jaupitas vaitaipä vää maa noistaapatta piimia, täätä neimmin saattaluutussa m	The same of the sa
Tubina	Service controller con	The state of the s	(America (Car) (America (Car) (Car) (America (Car) (Ca		Section of the sectio	The said and the second said and the said an	Complete Street, heapton water and property and the second	to the substruction of the	Depths set
The first the second of the se	JAMES NOT CHEST OF THE SECONDARY		AND THE PROPERTY AND TH			The state of the s	ment makes the behavior the subsect of the subsect	an demininary no service service de la company de la compa	Perforations:
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Placed billions of major 15 years should be profit across, year in 1800 which the minimum of the	NA AREA MARIE AND REAL PROPERTY OF THE PROPERT	······································). Anthony of the second second			;	entral de la companya de la company La companya de la comp	The same of the sa
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there fracturing or stimulating is to be part of the work for which a permit is sight oud is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUS	T BE POSTED A	THE WELL ST	TĒ,	
ALL PROVISIONS	BEING IN ACC	ORDANCE WIT	H CHAPTER	1 22,
ARTICLE 4 OF TH	e w. va. code	, THE LOCATIO	ON IS HERE	3 Y
APPROVED FOR	Drilling	. THUS PER	MIT SHALL	EXPIRE
IF OPERATIONS F			2-24-83	electronism (1975;)
8Y				ebros

the following wriver must be completed by the coal operator and by any coal owner a 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:

area of the well location, signed has no objection to	proposed well location. If a min the well location has been added the work proposed to be done at t with all applicable requirements.	e map exists which covers the to the mine map. The under-
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