



RECIPED

JAN 2 6 1983

IV-35 (Rev 8-81)

OIL AND GAS DIVISION WYDEFARTMENT OF MINES



State of Mest Hirginia Well No. 20651

Farm Kanawha & Hocking Coal & Coke
API No. 47 - 039 - 3635

FEB 07 1983

Pepartment of Mines Gil und Gas Division

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

WELL	TYPE:	Oil/ (If "Gas	Gas <u>x</u> / ," Producti	Liquid Injector on X/ Under	ction grou	/ Was	te Disposa ge/ Dee	l <u>/</u> / p <u>X</u> / Sha	ilow/)
LOCAL	CION:	Elevation	1166.7	Watershed	ı Le	ft Fork o	f Witcher (reek	· · · · · · · · · · · · · · · · · · ·
				k County	***************************************	·····			
					Alberton de company voc				
COMPA	NY_Co]	lumbia Gas T	ransmission	Corporation		•			
				n, WV		Casing	Used in	Tef+	Cement
				ley		Tubing	Drilling		fill up Cu. ft.
				n, WV		Size	7	4. 11044	1
				Coal & Coke		20-1X6X	20'	20'	20 sks.
ADDRI	SS 700) Westgate I	Cower, Cleve	land, Ohio		Conda		_	
MINE	RAL RI	GHIS OWNER	Kanawha & H	ocking Coal	& Cok	<u></u>	8' 271' 2562'	271' 2562'	150 sks.
ADDRI	SS 700	O Westgate I	ower, Cleve	land, Ohio		9 5/8	2302	2302	780 sks.
OIL A	ND GA	S INSPECTOR	R FOR THIS	WORK Homer	н.	8 5/8	5/53	0015	
Da	aughert	y ADDRESS	Looneyvil	le, WV		7	5451'	3045'	80 sks.
						5 1/2	_		
			June 3, 19			4 1/2	6943'	2043'	100 sks.
			June 23, 1			3			
IF A	PPLICA	BLE: PLUG	ING OF DRY	HOLE ON		2-3/8		1870	
CONT		PROGRESSIO	ON FROM DRI ERMISSION O	LLING OR		Liners used			
***************************************	XGTCAT.	TARGET FOR	RMATION	Tuscarora			Dom	- - 722	5
			Catality Champion	7025 fee	- T)		The state of the s	732	
				20 fee				***************************************	
			-						* ·
			3 0			is coar	pering mine	an nu me	area? No
OPEN		DATA		Dry ho	le				
	Produ	cing format	ion Wat	er Well		Pay	y zane dept	.h	feet
	Gas:		· · · · · · · · · · · · · · · · · · ·	Mcf/	•				
		Final oper	1 flow	Mcf/	⁄d	Fir	nal open fl	Low	Bbl/d
				ow between i			•		
	Statio	c rock pres	sure	– psig (su	:faœ	measure	ment) after	hou	rs shut in
s	(If a	pplicable d	lue to mult	iple complet	ion-	-)			
	Secon	d producing	formation			Pay	zone dept	ih	feet
	Gas:	Initial of	pen flow	Mcf,	/d (Oil: In	itial open	flow	Bbl/d
				Mcf,					
				ow between i					
	Stati	c rock pres	sure	psig(surf	ace	measureme	ent) after	hou	rs shut in

FORM IV-35 (PEVERSE)

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

Acid Job (open hole completion)

250 gal. HCL, 1000 gal. HF, 250 gal. HCl, 1000 gal. HF, 250 gal. HCl,

100 gal. HF & 250 gal. HCl

Average Treating Pressure 2300 psig @ 4 BPM

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil Sand & Shale Shale Sand & Shale Salt Sand Sand & Shale Little Lime Shale Big Lime Injun Sand Sand & Shale Weir Sand Sand & Shale Weir Sand Sand & Shale Lime Shale Lime Shale Criskany Lime & Chert Newburg McKenzie Rose Hill Shale Hematite Bed Clinton Sand Juaniata Shale T.D.	0 8 54 200 946 1306 1402 1446 1460 1667 1680 1792 1870 2155 5282 5360 5381 5411 6156 6188 6467 6810 6821 6926 6986	8 54 200 946 1306 1402 1446 1460 1667 1680 1792 1870 2155 5282 5360 5381 5411 6156 6188 6467 6810 6821 6926 6986 7025	Fresh water @ 20' Salt water @ 1160'
		www.energenergenergenergenergenergenergener	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

Well Operator

By: June January 25, 1983

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, enrountered in the drill of a we'

DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

Oil and Gas Division

TO THE DEPARTMENT OF MINES, Charleston, W. Va.	DATE June 12, 1980
Surface Owner Kanawha & Hocking Coal & Coke	
Address 700 Westgate Tower, Cleveland, Oh	
Mineral Owner Same as above	FarmKanawha & Hocking Coal & Coke 14,128
Адфенные	Location (waters) Left Fork of Witchers Creek
Coal Owner Same as above	Well No. 20651 Elevation 1166.70
Address	District Cabin Creek County Kanawha
Coal Operator Valley Camp Coal Co.	Quadrangle Ouick
Address 2971 Dupont Avenue, East	• · · · · · · · · · · · · · · · · · · ·
Shrewsbury, West Virginia MIT MUST BE POSTED AT THE WELL SITE	
ons being in accordance with Chapter 22, Va. Code, the location is hereby approved	INSPECTOR
illing	TO BE NOTIFIED Martin Nichols
illing . This permit shall expire if	ADDRESS P. O. Box 554, Clendenin, WV
+ 7 July 1	PHONE 548-6993
Director - Oil & Gas Division GENTLEMEN:	
	on the above named farm or tract of land for oil and gas, having fee
	ease dated <u>January 1</u> 1943 by
	and recorded on the day of
19 in Kanawha County, Book 95	Page 05
X NEW WELL DRILL DESPER	
IVEW WELL	REDRILL FRACTURE OR STIMULATE
	REDRILL FRACTURE OR STIMULATE
QIL AND GAS WELL ORIGINALLY DRI	•
OIL AND GAS WELL ORIGINALLY DRI	•
OIL AND GAS WELL ORIGINALLY DRI	ILLED BEFORE JUNE 5, 1969.
OIL AND GAS WELL ORIGINALLY DRI The enclosed plat was prepared by a registered engine bave been notified as of the above date. The above named coal owners and/or operator are here.	LLED BEFORE JUNE 5, 1969. neer or licensed land surveyor and all coal owners and/or operators ereby notified that any objection they wish to make, or are required
OIL AND GAS WELL ORIGINALLY DRI The enclosed plat was prepared by a registered engine bave been notified as of the above date. The above named coal owners and/or operator are here.	LLED BEFORE JUNE 5, 1969. neer or licensed land surveyor and all coal owners and/or operators
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The enclosed plat was prepared by a registered engine bave been notified as of the above date. The above named coal owners and/or operator are he to make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were mail or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	ereby notified that any objection they wish to make, or are required, or filed with the Department of Mines within ten (10) days. ed by registered mail, or delivered to the above named coal operators day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours. (Sign Name) Well Operator
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The enclosed plat was prepared by a registered enginerate been notified as of the above date. The above named coal owners and/or operator are he to make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were mail or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the FLEASE 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 be notice and plat by the department of mines, to said proposed to the filing of such plat, that no objections have been made by the	neer or licensed land surveyor and all coal owners and/or operators are by notified that any objection they wish to make, or are required, or filed with the Department of Mines within ten (10) days. end by registered mail, or delivered to the above named coal operators day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours. (Sign Name) Well Operator Post Office Box 1273 Address of Charleston Gity or Town West Virginia 25325 State The Department of mines, within said period of ten days from the receipt of cation, the department shall forthwith issue to the well operator a permit recitin coal operators or found thereto by the department and that the same is approve
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Director, Exploration & Developments Division

DEPT. OF MINES

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

DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT: NAME Larry Friend ADDRESS ADDRESS P.D. Box 610, Clendenin, W TELEPHONE 965-3317 RESPONSIBLE AGENT: RESPONSIBLE AGENT: ADDRESS P.D. Box 610, Clendenin, W TELEPHONE 965-3317 RESPONSIBLE AGENT: ROTARY X CABLE TOOLS. RECYCLING WATER FLOOD OTHER THE THAT I'VE CASING PROCRAM: CASING AND TUBING SET DIRECTOR WILL OTHER THAT I'VE CASING PROCRAM: CASING AND TUBING SET DIRECTOR WILL OF SUFFACE 9-15/M CASING AND TUBING SET DIRECTOR SET DIRE	PROPOSED WORK ORDER TO	X DRILL	DEEPEN F	RACTURE-STIMULATE
ADDRESS P.O. Box 610, Clendenin, W TELEPHONE ESTIMATED DEPTH OF COMPLETED WELL. 7325 ROTARY X CABLE TOOLS. PROFOSED GEOLOGICAL FORMATION: TUSCAFORM TUSCAFORM	DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT	
TELEPHONE DEPTH OF COMPLETED WELL: 7325 ROTARY X CABLE TOOLS PROPOSED RECLIGICAL FORMATION: TUSESTOTA TYPE OF WELL: OIL GAS X COMB. STORAGE DISPOSAL RECYCLING WATER FLOOD OTHER TENTATIVE CASING PROCRAM: CASING AND TUSING STORAGE DISPOSAL RECYCLING WATER FLOOD OTHER WATER FLOOD OTHER TENTATIVE CASING PROCRAM: CASING AND TUSING DEPTHS WILL OR SAKES CHIEF IT IN TO SUFFACE 13.49/1.378 2501 TO SUFFACE 15.49/1.378 2501 TO SUFFACE 15.49/1.378 2500 TO SUFFACE 15.49/1.39/1.39/1.39/1.39/1.39/1.39/1.39/1.3				nd
ESTIMATED DEPTH OF COMPLETED WELL: 1325 ROTARY X CABLE TOOLS.— PROPOSED GEOLOGICAL FORMATION: TUSEPPOPA TYPE OF WELL: OIL. CAS X COMB. STORAGE DISPOSAL RECYCLING WATER FLOOD. OTHER TENTATIVE CASING PROGRAM: CASING AND TUBING SIZE CASING PROGRAM: CASING AND TUBING SIZE DISPOSAL SIZE 19-14 SIZE 19-14 SIZE 19-15 SIZE 19-15 SIZE 19-16 SIZE 19-17 SIZE 19-18 SIZE 1				610, Clendenin, WV
PROPOSED GEOLOGICAL FORMATION: TUSCAPONA TYPE OF WELL: OIL GAS A COMB. STORAGE DISPOSAL RECYCLING WATER FLOOD OTHER TENTATIVE CASINO PROGRAM: CASING AND TUSING USED LOR WILL OR SACKS CUMP 19. SZE DAILLING WILL OR SACKS CUMP 19. 20-16 60° TO SUFFACE 19-6/8 3/8 250° TO SUFFACE 25-18 2600° TO SU				17
TYPE OF WELL: OIL GAS X COMB. STORAGE DISPOSAL RECYCLING WATER FLOOD OTHER TENTATIVE CASING PROGRAM: CASING AND TURING CASING CASING AND TURING DRILLING. WHILE OR SACKS ATWACTER PLOOD 372E DRILLING. WHILE OR SACKS ATWACTER PLOOD 374E GOOD TO SUFFACE. 374E JAMES A CASING AND TURING CASING AND THE SUFFACE. 38 JAMES A CASING AND TURING CASING AND THE SUFFACE. 38 JAMES A CASING AND TURING CASING AND THE SUFFACE. 38 JAMES A CASING AND THE SUFFACE. 38 JAMES A CASING AND THE SUFFACE. 39 JAMES A CASING AND THE SUFFACE. 30 JAMES A CASING AND THE SUFFACE. 30 JAMES A CASING AND THE SUFFACE. 30 JAMES A CASING AND THE SUFFACE. 31 JAMES A CASING AND THE SUFFACE. 32 JAMES A CASING AND THE SUFFACE. 33 JAMES A CASING AND THE SUFFACE. 34 JAMES A CASING AND THE SUFFACE. 35 JAMES A CASING AND THE SUFFACE. 36 JAMES A CASING AND THE SUFFACE. 37 JAMES A CASING AND THE SUFFACE. 38 JAMES A CASING AND THE SUFFACE. 39 JAMES A CASING AND THE SUFFACE. 39 JAMES A CASING AND THE SUFFACE. 30 JAMES A CASING AND THE SUFFACE. 31 JAMES AND THE SUFFACE. 31 JAMES AND THE SUFFACE. 32 JAMES AND THE SUFFACE. 31 JAMES AND THE SUFFACE. 32 JAMES AND THE SUFFACE. 33 JAMES AND THE SUFFACE. 34 JAMES AND THE SUFFACE. 34 JAMES AND THE SUFFACE. 35 JAMES AND THE SUFFACE. 36 JAMES AND THE SUFFACE. 36 JAMES AND THE SUFFACE. 37 JAMES AND THE SUFFACE. 37 JAMES AND THE SUFFACE. 38 JAMES AND THE SUFFACE. 39 JAMES AND THE SUFFACE. 39 JAMES AND THE SUFFACE. 30 JAMES AND THE SUFFACE. 30 JAMES AND THE SUFFACE. 30 JAMES AND THE SUFFACE. 31 JAMES AND THE SUFFACE. 31 JAMES AND THE SUFFACE. 32 JAMES AND THE SUFFACE. 33 JAMES AND THE SUFFACE. 34 JAMES AND THE SUFFACE. 35 JAMES AND THE SUFFACE. 35 JAMES AND THE SUFFACE. 36 JAMES AND THE SUFFACE. 36 JAMES AND THE SUFFACE. 37 J			ROTARY X	CABLE TOOLS
RECYCLING. WATER FLOOD. OTHER				
RECYCLING. WATER FLOOD. OTHER	TYPE OF WELL: OIL_	GAS X	COMBSTORAGE	DISPOSAL
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SIZE DRILLING WILL OR SACKS CUBECTS. 29-14	THOUSE AND THE CONTRACT	٥٠.		
20-16 60' TO SUFFACE 13-78/ 3/8 2500' TO SUFFACE 9-5/8 2500' TO SUFFACE 8-5/8 5500' TO SUFFACE 8-5			LITTIN	CHMINETITIE
13-MP, 3/8 250' To surface 9-5/8 2500' To surface 9-5/8 2500' To surface 14 5/8 2500' To surface 15 5/8 2500' To surface 16 5/8 2500' To surface 17 5/8 2500' To surface 18 5/8 2500' To surface 18 5/8 2500' To surface 19 6/8 2500' To surface 10 6/			WPLL	OR SACKS - CUBIC FT.
9. 5/8 2600' 9. 158 5500' 9. 159 5500' 9. 159 7325' 9. 1500' 9. 15		6U'		To surface
5 % 5500' 5 % 7325' 1	9 - 5/8			To surface
5500' 1	8 - 5/8	20UU		lo surface
1 4 19 1 19 1 19 1 19 1 19 1 19 1 19 1	7	5500'	and the same of th	
APPROXIMATE FRESH WATER DEPTHS PEET SALT WATER FEET APPROXIMATE COAL DEPTHS PEET SALT WATER FEET PEET SOUND PERF. BOTTOM PORT. BOTTOM PERF. BOTTOM P	5 1/2	T T O C	The second secon	
PRIL TOB Perf. Button Perf.	4 1/2	7325'		
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Kanawha & Hocking Coal & Coal Date November 27, 1981

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

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WELL TYPE: OII / Gas X /	
(If "Gas", Production X / Uni	derground storage / Deep X / Shallow /
11000,70	hed: Left Fork of Witchers Creek Kanawha Quadrangle: Quick
WELL OPERATOR Columbia Gas Transmission Corp	. DESIGNATED AGENT J. L. Weekley
Address P. O. Box 1273	Address P. O. Box 1273
OIL AND GAS	Charleston, W. Va. 25325
	COM ADEDATOR Valley Come Coal Co
ROYALTY OWNER <u>Kanawha & Hocking Coal & Coke</u> Address 700 Westgate Tower	Address 2971 Dupont Avenue East
Cleveland, Ohio	Shrewsbury, W. Va.
Acreage 14.128	
CMB FACE OLDER	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Same as above Address	NAME Same as Royalty Owner
ACCIES 5	Address
Acreage	NAME
Communication of the state of t	held a sec
FIELD SALE (IF MADE) TO:	AUUI E55
VAME	Commence of the commence and a consequent measure of the commence of the comme
Address	COAL LESSEE WITH DECLARATION ON RECORD:
	NAME Address
OIL AND GAS INSPECTOR TO BE NOTIFIED:	WOOLS22
	· INDIAMETORIA
NAME Martin Nichols	· CECEIVED
Address P. O. Box 554	170V 3 0 198I
Clendenin, W. Va. Telephone 548-6993	1,747,41001
340-0393	OIL AND GAS DIVISION WYDERARTMENY SYNDIA
	#17 Section Front Contract Con
The contract in the of	
PROPOSED WORK: Drill x / Drill Deeper	/ Redrill / Fracture or stimulate / Perforate new formation / well (specify)
ne above named coal operator, coal owner(sobjection they wish to make or are required Department of Mines within fifteen (15) day copies of this Permit Application and the etailed by registered mail or delivered by her(s), and coal lessees on or before the day of the Department of Mines at Charleston, W	e 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 safter receipt of this Application by the Dept notion of the and reclamation plan have been and to the above named coal operator, coal owny of the mailing or delivery of this Application est Virginia.
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO: EST VIRGINIA OIL AND GAS ONSERVATION COMMISSION 613 VASHINGTON ST., E.	Columbia Gas Transmission Corporation Well Operator Y: Ullkley

elephone - 304/348-3092

PROPOSED WORK ORDER

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

EOLOGICAL Estimate Approxim Approxim Is coal			ddress		,				· · · · · · · · · · · · · · · · · · ·
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STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE



FEB 1 4 1983

AFFIDAVIT OF PLUGGING AND FILLING WELLW DEPARTMENT OF MINES

Kanawha & Hock	king Coal & Coke	Columbia Gas Transı	mission Co	orp
700 Westgate To	ower, Cleveland, Ohio 44100	Box 1273, Charle	ston, W.	√a.
Camo	ADDRESS	COMPLETE ADDR		93
COAL OF	RANCOR OR OWNER	February 8 WELL AND LOC	ATION	1903
•		Cabin Creek		District
Same	ADDRESS	Kanawha		
LEASE OF	R PROPERTY OWNER			Ť
Beren en e	V	Vell No. 20651	*********	
	ADDRESS	Kanawha & Hocking Coa	1 & Coke	Farm
STATE INSPECTOR S	UPERVISING PLUGGING	Homer Daugherty	********************	
	AFFIDA	VIT		
STATE OF WEST	y			
County of	} ss:			
•	and			
being first duly swe	orn according to law depose and	say that they are experien	nccd in the	work of
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AND OR ZONE RECORD	17			
FORMATION	FILLING MATERIAL	PLUGB USED	COG	SING
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Shale & Lime	Gel (5000-6913)	6% Bentonite	4900' 5120'	<u>2043'</u> (1900' (:
Shale	Cement (4800-5000)	200' Neat	3120	1.900 (
Brown Shale	Gel (2600-4800)	6% Bentonite		Minimizaria - ununicatione esservica esperantes
Brown Shale	Cement (2500-2600)	100' Neat	24001	3045' (7"
	ale Gel(950-2500)	6% Bentonite	-	2562' (9-5
Sand & Shale	Cemtnt (850-950)	100' Neat		-
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Sand,Shale & Soi	Cement (0-100)	100' Neat	-	20' (20")
				
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And further dep	oonents saith not.	Hot Lohinds	D.	
		They true	4	
Sworn to and su	ubscribed before me this 24 174	day of FEBRUM	XY	19 83
		LINK-A/C	Jun-	
My commission expi	res:		Notary F	Public.
		Perm	ni t No	-3635-P
Mī Commission Fin	pires April 9, 1986			
The second secon	A see Section	*** ,		

KAN. - 3635-P