



OIL & GAS DIVISION Diri. of MINES



State of Mest Airginia Bepartment of Mines Gil und Gas Bivision

Date	July 17	, 1985	
Operator Well No.		237	
Farm War	nda Pyles	(Wesley	Harris)
API No.	47 - 051	00	704

WELL OPERATOR'S REPORT

/ Waste Disposal

FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	Elevation: 1309 Watershed P	ennsylvani	a Fork - F	ish Creek	
	District: Liberty County Marsh	all (Quadrangle	Little	con
MPANY	Columbia Gas Transmission Corp.				
DRESS	P. O. Box 1273, Charleston, WV	Casing	Used in	Left	Cement fill up
	D AGENT James L. Weekley	Tubing	Drilling	in Well	Cu. ft.
	P. O. Box 1273, Charleston, WV	Size			
	WNER Wesley Harris	20-16 Cond.			
	Route 2, Cameron, WV 26033	13-10"	95.3	95.3	60 sks.
NERAL R	IGHTS OWNER Bruce & David Pyles	9 5/8	1147.2	1147.2	370 sks.
DDRESS _	RD#12, P. O. Box 67, Ontario, OH 44862	8 5/8			
IL AND G	AS INSPECTOR FOR THIS WORK Robert	7	2606	2606	320 sks.
Lowther	General Delivery ADDRESS Middlebourne, WV 26149	5 1/2			
ERMIT IS	October 10, 1984	4 1/2	3486.9	3486.9	75 sks.
RILLING	COMMENCED 11/18/84	3			
RILLING	COMPLETED 12/7/84	2 3/8	3263.08	3263.08	
DOUNTING	Cable: Plugging of DRY Hole on US Progression from Drilling or G. Verbal Permission Obtained	Liners used			
				1	
N	AL TARGET FORMATION Gordon		Der	oth 3500	o feet
	AL TARGET FORMATION Gordon	Rotary X	Der/ Cabl	<u> </u>	o feet
N EDIOGIC! Dept Wate	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet;	Salt	/ Cabl	le Tools_	
N_ EDOLOGIC! Dept Wate	AL TARGET FORMATION Gordon	Salt	/ Cabl	le Tools_	
N Dept Wate Coal	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094'	Salt	/ Cabl	le Tools_	
Depti Wate	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA	Salt_ Is coal	/ Cabl	e Tools_ ed in th	e area? No
Depti Wate	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon	Salt	/ Cabl	e Tools_ ned in th	e area? No
Depti Wate	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon : Initial open flow Mcf/d	Salt	/ Cablfeet	e Tools_ned in thooth 3132-	e area? No 3198 feet Bbl/d
Depti Wate Coal	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon : Initial open flow Mcf/d Final open flow 26 Mcf/d	SaltPa Oil: In	/ Cabl	ned in the oth 3132- n flow (e area? No 3198 feet Bbl/d 37) Bbl/d
PEN FLOX Gas	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon : Initial open flow Mcf/d Final open flow 26 Mcf/d Time of open flow between init	Salt Pa Oil: In Fi	/ Cabl	ned in the oth 3132- n flow flow h	e area? No 3198 feet Bbl/d 37) Bbl/d
Depti Wate Coal	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon : Initial open flow Mcf/d Final open flow 26 Mcf/d Time of open flow between initiatic rock pressure 460 psig (surfate) f applicable due to multiple completion	Salt	/ Cable	ned in the oth 3132- n flow show her ho	e area? No 3198 feet Bhl/d 37) Bbl/d nours purs shut in
Depti Wate Coal Prox Gas Sta	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon : Initial open flow Mcf/d Final open flow 26 Mcf/d Time of open flow between initiatic rock pressure 460 psig (surface) cond producing formation	SaltPa	/ Cable feet being min feet y zone department open in feet ment) after y zone department open in feet feet feet feet feet feet feet fee	ned in the oth 3132- n flow s her ho	e area? No 3198 feet Bbl/d 37) Bbl/d curs curs shut in
Depti Wate Coal CPEN FLOW Prox Gas (If	AL TARGET FORMATION Gordon th of completed well 3493 feet er strata depth: Fresh 43' feet; l seam depths: 795', 994' and 1094' W DATA ducing formation Gordon : Initial open flow Mcf/d Final open flow 26 Mcf/d Time of open flow between initiatic rock pressure 460 psig (surfate) f applicable due to multiple completion cond producing formation s: Initial open flow Mcf/d	Salt	/ Cable feet being min feet y zone department after the control of the control	ned in the oth 3132- n flow sher how	e area? No 3198 feet Bbl/d 37) Bbl/d curs curs shut in feet Bbl/d
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforatedfrom 3132-3136' with 6 holes, from 3141-3143' with 4 holes and from 3194-3198' with 6 holes. Gold of V Treated from 3132-3143' and 3194-3198' with 250 gallons 15% Hcl, 1900 gallons gel and 40,000# 20/40 sand.

WELL LOG

	W	ELL IDG			*
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including ind and salt water	MARKS ication of er, coal, o	all fresh il and gas
		·			
		98			
Shale	98	178			
Red Shale and Sand	178	229			
Gray Shale	229	288			
Gray Sandy Shale	288	300			:
Gray Shale		307			
Red Shale	300	312			
Red and Gray Sandy Shale	307	340			
Gray Shale	312	3,68			
Gray Sandy Shale	340	410			
Red Shale	368	478			
Gray Sandy Shale	410	533			
Red Shale	478	775			•
Gray Shale	533	775			
Red Shale	775	795			
Gray Sand and Shale	785	805			
Waynesburg Coal	795				
Mapeltown Coal	994	999			
Pittsburgh Coal	1094	1101			
Little Dunkard	1478	1500			
Big Dunkard	1646	1680	İ		
1st Gas Sand	1798	1822			
2nd Salt Sand	1974	2000			
3rd Salt Sand	2025	2051			
Big Lime	2235	2295			7
Big Injun Gara Po	2295	2530		•	
Murrysville?	2881	2894			
Gordon	3118	3143		je.	
4th	3154	3170			
5th	3190	3200		_	
TOD		3493	1		
OTD OTT		(3500)			
DTD					
	l		1		1
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(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

Well Operator

By:

July 17, 1985

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 drilling of a well."

Date:	August	17	 19	84
Operator's				

Operator's 21237

1)

3) API Well No. 47 - 051 - 0704

State County Permit

File #

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4)	WELL TY	PE: A C	oil X	/ Ga	ıs					
		В (If "Gas",	Production	n n		/ Undergroun	d storage	/ Deep	_/ ShallowX/)
5)	LOCATIO	2040								
-,		District: Liberty						Marshall		Littleton
6)	WELL OP		Colu	mbia	Gas	Trans			•	L. Weekley
U)	Address		P. O.					Address	P. O. Box	
	Addies		Charl				25	71001035	Charlestor	
0/	OIL & GA							O) DOLLING C		1, WV 23323
6)	Name							9) DRILLING C		
								Name	-	50000000000000000000000000000000000000
	Address					y VV 26		Address		DECEUVE
10)	PROPOSE	D WELL	WORK:	Drill	<u>X</u>	✓ Drill	deeper	/ Redrill	/ Stimulate	
				Plug of	f old f	ormation	/ Perf	orate new formation	n/	SEP 2 1 1984
				Other p	hysical	change in v	vell (specify)			
11)	GEOLOGI	CAL TAR	GET FOR	MATION		Gordo:	n			OIL & GAS DIVISION
	12) Estima					3500	fe	et		**************************************
	13) Appro	•	•					alt,	[pet	DEPT. OF MINES
	14) Appro		•	•		1195				/ NoX
	CASING A		-				15	coar being mined in th	icaica: 165	
•		IND IUB.			_	21			-	i.
	SING OR BING TYPE	SPECIFICATIONS Weight			.	FOOTAGE INTERVALS		OR SACKS	PACKERS	
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conc	ductor	!		<u> </u>						Kinds
Fresh	h water	13-3/	В н	48#	Х		90'	90'	To surface	
Coal		9-5/	Вн	32#	Х		1250'	1250'		5: By rule 15.05
Inter	mediate	7	K	20#	Х		2200'			1/1000
Prod	luction	4-1/	1	10.5			3500'	3500	as regu	parch by my le
Tubi		1		1 -0.0			3300	3375	1	15.01
Lines			†	<u>† </u>					+ $ -$	13.07
Lines	15	 	 	 	l			+		Perforations:
		 	 	 	 	 			#	Top Bottom
	** *** *** ***	!	 	 	 					
		<u> </u>	<u> </u>	1	<u> </u>					
						0	FFICE USE	ONLY		
						\mathbf{D}	RILLING P	ERMIT		
_			47-0	51-070	<i>I</i> .				0-4-1	0 9/
Pern	nit number_		47-0	31-0/0	4	·····			Octobe	
 .									Dat	
This	permit cove	ring the w	ell operate	or and wel	llocatio	on shown be	elow is evidenc	e of permission grant	ted to drill in accordan	ce with the pertinent legal re-
quire No	ements subje	ci io ine c	ction of ro	contained	nerein a	ing on the r	everse hereoi.	Notification must be part in addition the v	given to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper
							k has commen		ven operator or his con	tractor shan notify the proper
		-						•		
	permitted w rse hereof.	ork is as d	escribed in	the Notic	e and A	pplication,	plat, and recla	mation plan, subject	to any modifications as	nd conditions specified on the
			Octo	ber 9,	1986	5		all more is some		
Peri	nit expires _			,			uniess w	en work is commenced	a prior to that date and	prosecuted with due diligence.
_				T					,~	
В	ond: 43	Age	اسمينا	Plat:	Casir	g F	ee			
- 1		- Z		البسيم	1	40	601		-1.1	<i>'</i>
L	BLANKET		11/	\sim \perp	rn.	1109	17			
		-		-	•				1 KA	
								Adm	ninistrator, Office of	and Gas

NOTE: Keep one copy of this permit posted at the drilling location.