



(Rev 8-81) JUL 1 9 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES



June 15, 1982 Date Operator's

State of Mest Nirginia Well No. 20727

Farm Mingo Block Oil & Gas Co. API.No. 47 - 059 **∳**0973

## WELL OPERATOR'S REPORT

Bepartment of Mines

Gil ind Gas Zivision

### DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil/ Gas X / Liquid Injection (If "Gas," Production X / Undergrou	l/ Wast und Storag	e Disposa e/ Deep	l/ p/ Sha	llow <u>*</u> /)
LOCATION: Elevation: 923.72 Watershed Pa	w Paw Bran	ch of Laur	el Fork	
District: Harvey County Mingo Quadrangle Myrtle				
t .	rákusszeresztékisőkölkölkölkölkölkölkölkölkölkölkölkölkölk			
COMPANY Columbia Gas Transmission Corporation				
ADDRESS P. O. Box 1273, Charleston, WV 25325	Casing	Used in	Left	Cement
DESIGNATED AGENT James L. Weekley	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P. O. Box 1273, Charleston, WV 25325	Size			
SURFACE OWNER Georgia Pacific Corporation	20-16 Cond.			
ADDRESS 900 S.W. 5th Avenue, Portland, Oregon Island Creek Coal	10 3/4" 13-10"	38	38	25 sacks
MINERAL RIGHTS OWNERHoldren, W. Va. 25624 and	9 5/8			
ADDRESS Mingo Block Oil & Gas Corporation Box 125, Parkersburg, WV 26101	8 5/8	641.85	641.85	100 sacks
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7	1881.20	0	200 300.3
St. Clair ADDRESS P.O.Box 157, Brenton, WV	5 1/2	1001.20		
PERMIT ISSUED 7-7-81	4 1/2	4212.80	4212 00	139.4 sack
DRILLING COMMENCED 10-26-81	3	4212.80	4212.80	139.4 Sack
DRILLING COMPLETED 1-8-82	2 3/8	4053.50	4053.50	
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2 3/6	4033.30	4003.00	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners.			
ON	used			
GEOLOGICAL TARGET FORMATION Devonian Shale		Dept	h 4250	
Depth of completed well 4224 feet F	lotary	/ Cable	≥ T∞ls	X
Water strata depth: Fresh 50 feet;				
Coal seam depths:		bA		area?
OPEN FICH DATA			2754-	2790 Bed Fore
Producing formation Devonian Shale	Dave	cone dent	3560-	3710 Haron
Gas: Initial open flow 0 Mcf/d			£1~:	7
			TTOW	DDI/Q
Final open flow 223 Mcf/d  Time of open flow between initi				
Static rock pressure 374 psig(surface		_		
(If applicable due to multiple completion-		ent) arter	os nom	rs snut in
·		zone deni	- <b>-</b> -	Ea ab
Second producing formation  Gas: Initial open flow Mcf/d	ray	rial acco	-1 -1~-	Teet
Final open flow Mcf/d				
Time of open flow between initi				
Static rock pressurepsig(surface	الحقيدة العالمة	nt) after	rou III 9	6 1982
		(Contin	he on rei	verse side)

(PEVERSE)

3926 163

Philherman 4029 147

Orandorp 4286

ALGORAL

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated 1-22-82 from 3584-4153' with 20 holes.

Foam fractured Rhinestreet and Huron 1-26-82 from 4104-3560' with 74,000# 20/40 sand, 700,000 Scf Nitrogen, 460 bbls. sand and water and 500 gals. 14% HCL acid.

Perforated Bedford 2-3-82 from 2772-2780' .... 11 holes.

Foam fractured Bedford 2-3-82 from 2754-2790' with 57,000# 20/40 sand, 324,000 Scf Nitrogen, 812 bbls. sand laden foam and 500 gals. 14% HCL.

#### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
•		6	
Rock	0	<b>\$</b> 0	Water at 50'
Slate	80	90	
Sand	90	145	
Slate	145	335	
Sand	335	375	
Slate	375	425	
Sand	425	500	
Slate	500	535	
Sand	535	565	
Slate	565	675	
Sand	675	705	
Slate	705	755	
Sand	755	785	
. Slate	785	880	
Sand	880	1100	
Sand	1100	1185	Salt Water at 1100'
Slate	1185	1235	
Sand Hard	1235	1310	
Slate	1310	1315	
Sand	1315	1750	
Slate	1750	1765	
Red Rock	1765	1775	•
Sand	1775	1782	
Big Lime	1782	2690	Show of gas at 1810'
Berea	2690	2744	
Devonian Shale	2744	TD	3560=4183 (Heren jo Blackfroot)
Commence of the second			
1937 133		4224	onondaga at 4236 (elan 926)
~ Sh 2678 • 13	Paris	STATE OF THE PROPERTY OF THE P	4286 Relay 926
2691 65			I some will, day I am was
w 2756 806	Bijithinadazava	SETTINGO CONTRACTOR CO	
A 8562 247			
3809 117			
	P ·	1	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

By: Mekey

Date: June 15, 1982

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 only, encountered in the drilling of a well."

JUL 16 1981



WEST VIRGINIA

DEPT. OF WINES

OIL & GAS DIVISION Oil and Gas Division DEPT. OF MINES

## OIL AND GAS WELL PERMIT APPLICATION

	TO THE DEPARTMENT OF MINES,		
	Charleston, W. Va.	DATE July 6, 1981	TENNING THE TENNING THE CONTRACT OF THE CONTRA
	Surse Cone Georgia Pacific Corp.	Compay Columbia Gas Transmissi	on Corp.
	Add 900 S. W. 5th Ave., Portland, Oregon	Address P. O. Box 1273, Charlest	on, WV
	Mingo Block Oil & Gas Corp.	Farm Mingo Block Oil & Gas Acre	8000
	Adda Box 125, Parkersburg, W. Va. 26101	Location (waters) Paw Paw Br. of La	urel Fork
	Cool O Island Creek Coal Co.		
•	Adda Holden, W. Va. 25624	District Harvey Cour	
•	Coal Operator Same as Coal Owner		
		William and	
irio pi	RANT MUST BE POSTED AT THE WELL SITE		
All provo	visions being in accordance with Chapter 22, W. Va. Code, the location is hereby approved		
	willing	SPECTOR  BE NOTIFIED Arthur St. Clair	
	ns have not commenced by 3-23-82	as notified Althur St. Clair	Ameni, 30cm/design felerativa abenduz hicaendea abendua namo
abeloue	AL	DRESS P. O. Box 157, Brenton, W	1. Va.
K	I Dandelle		
Dept	ty Director - Oil & Gas Division	ONE	
	GENTLEMEN:		
	The undersigned well operator is entitled to drill upon the	above named farm or tract of land for oil and	i gre, baving fee
	title thereto, (or as the case may be) under grant or lease dr	12-8 19 27 by	**************************************
	TARIO DE CONTRACTOR DE CONTRAC	-	
	19 in <u>Mingo</u> County, Book <u>23</u>		A STATE OF THE PROPERTY OF THE
	•	· .	
	X NEW WELL DRILL DEEPER	REDRILLFRACTURE OF	STIMULATE
	QIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5, 1969.	
. •	The enclosed plat was prepared by a registered engineer of have been notified as of the above date.	licensed land surveyor and all cost owners a	nd/or operators
	The above named coal owners and/or operator are hereby not make by Section 3 of the Code, must be received by, or fill		
	Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address mme day with the mailing or delivery of this copy to the Dep	befo	ore, or on the
	with any are the manne of dentera of the coba to the Deb	ariment of mines at Chameson, west riginal.	
		Very truly yours	
	FLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Sign Name) Illekle	
	GEOLETHIEF FAGS DIVERTITE IO.	Well Operator	
	WEST VIRGINIA GEOLOGICAL AND	P. O. Box 1273	
	ECONOMIC SURVEY Address	Street	
	P. O. BOX 879 Well Opera	tor Charleston	
	EDRGANTOWN, WEST VIRGINIA 2000	City or Town	
	AC-304 - 292-6331	West Virginia 25325	
		State	and a citizan micromoscom graficom recommenda que san una con-
	"SECTION 3 If no objections are filed or found by the Donotice and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the small operator authorized to proceed.	he department shall forthwith issue to the well operate	or a permit reciting
	men som mett attesterne manetagenen og hen menge	47-059-0973	
•		•	PERMIT NUMBER
	"I have read and understand the reclamation requirements as set for		
•	Chapter 22. Article a Section 12-b and will carry out the specified require	reig.	
	Signed by fulleklen	·	
	/ - Al: A		

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

PROPOSED WORK ORDER TO	X	DF IN	_FRACTURE-STIMULATE	
DRILLING CONTRACTOR: (II	Known)	RESPONSIBLE AGENT:		
IANT	The state of the s	NAME Joe Campbell ADDRESS P. O. Box 2946, Huntington WV		
DDRESS				
ELEPHONE				
TTIMATED DEPTH OF COMPL	ETED WELL: 3735			
COPUSED GEOLOGICAL FOR	MATION: Shale			
PE OF WELL: OIL_	GAS X	DOMB. STORA	GE DISPOSAL	
•	RECYCLI	NG WATER F	LOOD OTHER	
INTATIVE CASING PROGRAM			DOOD L OTHER	
CASING AND TUBING SIZE	USED FOR DRILLING	CLET IN WELL	CEMENT LILL UP	
- 16			OR SACKS - CTUBIC FT.	
-xx 3/8"	250'	250	To surface	
5/8			TO GULLOUE as another	
5/8	1700'	1700	To surface	
			The second secon	
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE				
	3735	3735	3735K5 # Bu ord	
AND THE RESERVE OF THE PARTY OF			Pert Too by rule 150	
	MENTAL PROPERTY AND PROPERTY SECURE AND PROPERTY AND PROP		Pert'. Bottom	
	THE STATE OF THE PROPERTY OF THE STATE OF TH		Pert. For	
			Perf. Bottom	
DRILL: SUBMIT FIVE (5) COPIES (	OF OG - 1 \$100.00 PFPWm	* === B=====	BOND AND PERMANENT COPY	
OF PLAT	s sive. so i min.	FLE, PERFORMANCE	BOND AND PERMANENT COPY	
DRILL DEEPER OR REDRILL				
SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED	' 1949. AL CENTUMANTEN	NAL PERMIT NUMBER A PY OF THE PLAT AND	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD	
FRACTURE - STIMULATE:				
	こころ ついかんがんない シュアアア ひごじょ	URD.	COPIES OCI-1, PERFORMANCE	
OIL AND/OR GAS WELL ORI ING ORIGINAL PERMIT NUM	GINALLY DRILLED ON AN BER, AND PERFORMANCE	D/OR AFTER JUNE 5, 19 BOND.	29. FIVE COPIES OG - 1. SHOW-	
Required forms must be filed four (24) hours in advance.	within ninety (90) days of cu	emplesion for bond release	Inspector to be notified twenty-	
			The second secon	
,				
The following waiver must be of.	completed by the coal opera	ator if the permit is to be	issued within ton days of receipt	
/ER: I the undersigned, Agent	for	Coal Company, Owner	r or Operator of the coal under	
this lease have examined		a sum brollersett Mett 1003	LIOTL.	
broatding oberator use con	Coal Company has a policed with all rules and regula	ive no objections to said wations in Articles 4, 5, and	vell being drilled at this location, 7, Chapter 22 of the West Virginia	
Code.			• ************************************	
		ŀ	or Coal Company	
	2		Orticul Tirle	