

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

FORM IV-35 (Obverse)

WELL OPERATOR'S REPORT 13

Operator's				
2 11 10 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10		11 6 5	F 1970	1 7/17
Well No.	A	#65,	- (yy)	1121
A 8 7 1 1 141 2 4	***	,		

Date September 18.

108-78

OF

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API We: 10. 17 - 017 -2633

[00-10]	1	DRILLI	NG, FRA	CTUR	ING AL	ID/OR STIMULA	MANA, OR PHYSIO	AL CHANGE		AND A COMMON
							in William (F. 1946). Singapore			
ELL TYPE: O	11	′ Ga:	s_X_/	Li	quld	Injection	/ Waste Dis	rosal <u> </u>	ing the state of t	
(If "Gas"	, Pro	duction		_/	nderground st	orage/	Deep/	**************************************	
ocation: E	lev atio r	n: 9 <u>27</u> .	. 14		_ Wa	itershed: <u>Le</u>	ft Fork of Ar	noid a creek		migado, sia os osposado de se remeto altere
D	istrict:	: West	t Union	1	- Co	ounty: <u>Doddr</u>	idge Que	drangle: Oxlo		reprinted a company of the company o
ELL OPERATOR	Citie	es Sei	rvice (Compa	in y		DESIGNATED AGEN	T Sam J. M	latthews	commence of the contract of th
Address							Address			
	Char							Charleston,	WV 25323	Experimental control of the control
								/ 1 ¹² ma	atura on atia	
ERMITTED WOF							er/ Redri		icease or serve	#:acc
							te new formation.			
	Oth	er phy	sical o	hang	e in⊣	well (specify).			Language of Agenda 1 (ART) (A. 1)
										A .
PERMIT ISSUE	DON	May	4,		_, 19_	79	OIL & GAS INCP	ECTOR FOR THE	. WORK:	
TE APPLICAR	M.E: PLA	JGGING	OF DRY	HOLE	E-ON		Name Paul Ga	rrett		MANUFACTURE COMMENTS COMMENTS OF STREET
	OUS PROC						Address _	321 Beech	Street	manufacture regist places register manufacture registerior
www.papenylogoph		***************************************	, 19						g, WV 25301	
GEOLOGICAL T	TARGET FO	ORMATI	on: W	arre	n Ril	ey Benson Al	lexander	Depth Wa	rren 3098' F 11ev 4450'	667
Donth	ം ഒരു പാരി	eted w	ell.	50:50		feet Ro	tary/ Ca	ble Tools	Benson 46	14 °
Water s	strata de	epth:	Fresh,		fer	et; salt,	feet.		Alexander 4	302
Coal se	eam dept	hs:	ms		1.5	Is coal b	ging mined in t	he area?	· ·	
Work wa	as comme	nced _	Jun	e 23	,	, 19 <u>,</u>	and completed	August 16	. 14.	13
		2000E								
CASING AND	rubing P		" [FICATI	೧ಚಿತ		# FOOTAGE	INTERVALS #	CEMENT FILL-	:- PAC	KERS
CASING OR TUBING TYPE	3		Weight per ft	en .	lised		Left in well	OR SACKS		
Conductor	13/3/			1,100	×		60 '	15 sx	Kinds	ange us of a law Audign represent a measure
Fresh water	123/3/	711 40					:			and the second s
Coal Coal					1				Cines	The second secon
Intermediate	25	K-55 A	24#	×			2335'	590 sx		and the second s
Production_	4-1/2	N-20				/	5017'	130 sx	Inoths set	and the second s
Tubing	2-3/8	NU	4.6#	ж						garding to the allowands (Malagor), ye ago at the traveler of the state for
Liners						111100	4014111		Fentance .	The second second
		,								Bottom
	LI COLONIA DI COLONIA					SEPI	9 1979		4904	4912
Compression of the control of the co								,		- Apply and the state of the st
			<u> </u>				S'DIVISION OF MINES			
OPEN FLOW D									4902	$c_{r_{r_{r_{r_{r_{r_{r_{r_{r_{r_{r_{r_{r_$
Produc	ing form	nation	Ale	exand	ier		0.1 1.441-1	ray some usi		*
G							Oil: Initial			
	F1.r						Final o			•
							l and final ter			
							e measurement)	-uruer 174 [graces in Galderia (A. E.)	
						letion)		Dov. com. des	in the first state of the state	~ feet
Second	i produc	ing fo	rmation	1		N.P. / 1 7 %	Otl. Tuitin	- 147 2000 UC) 	BP-1	/d
(Gas: In	itial	open fl	.ow,		Mef/d	Oil: Initia	copen Liow, .		- Talaya ∕a
4	Fi	nal op	en flow	٧,		MCI/d	Final (and the second s	OG	T 9 1979
		Tir	ne of op	en f	TriM 196	etween initia	l and final ter e measurement	regression in the second secon	ncurs shat in	
	C+ ~ + 4 ~ ~	were as	971112220			DRIK (BHLISG	C INCODES THE HOLD	and the second of the second o		

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

Total of 17 holes. Perforated Alexander interval 4904-12 with 2 shots/ft. Treated with 1000 gal. NE acid 30,000# 80-100 sand and 60,000# 20-40 sand with clay stabilizer and citric acid. Blew down with 1300#. Avg. treating pressure 2400# Max. pressure 3200# AIR 35.2 B/M Avg. concen. 3#/gal. ISIP 1100# SIP 1000#

WELL LOG

					Remarks
Marie Mary Politica School School (1930) 1930 1930 1930 1930 1930 1930 1930 1930		llard or	15	Bottom	Including indication of all fresh
FORMATION	Color	Soft	Top Feet	Feet	and sait water, coal, 11 and gas
Sand & Shale			70	1460	
		1	1460	1724	1724' Base Big Injun
Sand & Shale			1724	2083	
Shale			2083	2092	
Berea Sand			2003	2311	
Sandy Shale	Section Section		11	2330	
Gordon Sand			2311		
Sand & Shale		1.24. 24.	2330	2666	
Sand			2666	2671	
Shale			2671	2910	
Elizabeth Sand			2910	2914	
Sandy Shale			2914	2978	
Warren Sand			2978	3106	
Shale			3106	3520	
			3520	3525	A territorial and a second of the second
Speechly Sand			3525	3746	
Shale	hard-particular state of the st		3746	3750	
Balltown Sand	0000000	DOMESTICAL DESCRIPTION OF THE PERSON OF THE	3750	4178	astronia italian da itang pangkan pang
Sandy Shale			4178	4188	
Bradford Sand			41/8	4450	
Shale				4456	
Riley Sand			4450	8	
Shale			4456	4616	
Benson Sand			4616	4622	
Sandy Shale			4622	4870	
Alexander Sand	4		4870	4962	
Sandy Shale	Mark Control		4962	5050	T.D.
<i></i>			· ·		
				CONTRACTOR OF THE CONTRACTOR O	
	N 8				 A section of the sectio
					세일한 물이 많은 병생님은 그 그릇이 없다.
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	49-ALIA-PRO			1	
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	200	8			
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· ·	19 de la companya de	Section 1			P. de Constantina
		about the second	1	A Commence of the Commence of	MATERIAL STATES
		Į.			

(Attach separate sheets to complete as necessary)

Cities Service Company
Well Operator

Sam J.

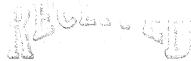
Marthews Production Manager

Regulation 2.02(i) provides as NOTE: follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the







MAY - 4 1979

OIL & GAS DIVISION DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES					
TO THE DEPARTMENT OF MINES, Charleston, W. Va.	97. A 279.	May 3, 1979			
Pohort C Maywoll	DATI	Cities Service Company			
Surface Owner	Comp	any 272 Charleston LW 25323			
Address West Union, WV 26456		Box 873, Charleston, WV 25323			
Mineral Owner Lewis Maxwell, et ux Robert L. Holland Agent	Farm.	Lewis Maxwell Acres 2654.23			
Address Box 425, West Union, WV	26456 Locat	ion (waters) Left Fork of Arnold's Creek			
Coal Owner		No. "A" #65, GW-1797 Elevation 927.14			
Address	Distri	ct West Union County Doddridge			
Coal Operator	Quad				
Address	·····				
THIS PERMIT MUST BE POSTED AT THE WELL	SITE				
All provisions being in accordance with Chapter of the W. Va. Code, the location is hereby appro	oved				
for drilling. This permit shall exp	INSPECT	OR OTIFIED Paul Garrett			
operations have not commenced by 1-7-80					
Metal f	ADDRESS	321 Beech St., Clarksburg, WV 26301			
Deputy Director - Oil & Gas Division	PHONE _	622-3871			
GENTLEMEN:					
The undersigned well operator is entitled to dr	ill upon the above r	amed farm or tract of land for oil and gas, having fee			
title thereto, (or as the case may be) under gran Maxwell made to Columbian Car 19, in	bon Co. (now Ci	August 18, 1905 by Lewis ties Service) nd recorded on the day of			
77					
NEW WELL DRILL DE	EPER	REDRILLFRACTURE OR STIMULATE			
OIL AND GAS WELL ORIGINALLY	Y DRILLED BEFOR	E JUNE 5, 1969.			
The enclosed plat was prepared by a registered have been notified as of the above date.	l engineer or license	d land surveyor and all coal owners and/or operators			
The above named coal owners and/or operator to make by Section 3 of the Code, must be received	·	that any objection they wish to make, or are required the Department of Mines within ten (10) days. *			
Copies of this notice and the enclosed plat were or coal owners at their above shown respective a same day with the mailing or delivery of this copy	ddress				
same day with the maning or derivery or this copy					
PLEASE SUBMIT COPIES OF ALL	Very tru	ly yours, Cities Service Company			
OPHYSICAL LOCS DIRECTLY TO: (Sign Name)					
	D. G.	Oliver Well Operator Region Engr. Manag			
WEST VIRGINIA GEOLOGICAL AND	A 44	Box 873			
ECONOMIC SURVEY	Address of	Street			
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	Well Operator	Charleston			
AC-304 - 292-6331		City or Town			
		W. Va. 25323			
		State			

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

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

PROPOSED WORK ORDS		DEEPEN FRACTURE-STIMULATE RESPONSIBLE AGENT:			
NAME unkno	·	NAME Sam J. Matthews			
			ADDRESS Box 873, Charleston, WV 25323		
TELEPHONE		TELEPHONE 344	TELEPHONE 344-8383		
ESTIMATED DEPTH OF	COMPLETED WELL: 5160'	ROTARY X	CABLE TOOLS		
PROPOSED GEOLOGICAL	FORMATION: Benson & Alexa	ander			
	OIL GASXC	•	GE DISPOSAL		
	RECYCLI	NG WATER F	LOODOTHER		
•					
TENTATIVE CASING PRO	OGRAM:				
CASING AND TUBING	USED FOR	LEFT IN	. CEMENT FB L UP		
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.		
20 - 16		n in the second of the second			
13 - XX 3/8"	60 '	60 '	to surface		
9 - 5/8					
8 - 5/8	2384 *	2384 *	to surface		
7					
5 ½ 4 ½	5160'	5160*	1000'		
3	7100	7100	Perf. Top		
2			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
	VATER DEPTHS 60' FEET POTT NONE NONE NONE				
O DRILL:	-				
	OPIES OF OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE	BOND AND PERMANENT COPY		
TO DRILL DEEPER OR R	EDRILL:		•		
SUBMIT FIVE (5) CO	OPIES OF OG - 1, SHOWING ORIG RIOR TO 1929, A PERMANENT C				
TO DO A CONTROL CONTRACTO	A IDEC.				
	ATE: ELL ORIGINALLY DRILLED BEFO PLAT AND ORIGINAL WELL REG		5) COPIES OG - 1, PERFORMANCE		
OIL AND/OR GAS W	ELL ORIGINALLY DRILLED ON A MIT NUMBER, AND PERFORMANCE	ND/OR AFTER JUNE 5, 1	929, FIVE COPIES OG - 1, SHOW-		
Required forms must four (24) hours in ad-	be filed within ninety (90) days of wance.	completion for bond releas	e. Inspector to be notified twenty-		
	**	Administration (Control of Control			
	must be completed by the coal ope	erator if the permit is to b	ne issued within ten days of receipt		
thereof.					
	ed, Agent forexamined and place on our mine m				
We the	Coal Company	have no objections to said	well being drilled at this location,		
providing operate Code.	or has complied with all rules and reg	ulations in Articles 4, 5, an	d 7, Chapter 22 of the West Virginia		
	* - *				
		400 March See See See See See See See See See Se	For Coal Company		
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		The second secon	Official Title		