

IV-35 (Rev 8-81)



State of Mest Nirginia

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Bepartment of Mines

Oil und Gas Minister

Date December 1. 1986								
Operator's								
Well No.	CNGD WN 26	582						
Farm Ayres								
API No.	7 - 005	- 1162						

WELL OPERATOR'S REPORT

OF

			•-			
DRILLING.	FRACTURING	AND/OR	STIMULATING	OR.	PHYSICAL	CHANGE

LOCATION: Elevation: 1156 Watershed	Josephs F	ork		
District: Meade County Ty	ler	Quadrangle	Pennst	ooro
CMPANY CNG Development Company				
ADDRESS P. O. Box 15746 Pittsburgh, PA 15244	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Gary A. Nicholas	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Rt. 2 Box 698 Bridgeport, WV 26330	Size			
SURFACE OWNER Virginia Ayres	20-16			
ADDRESS 111 E. Tippen ST. Attica OH 44807	Cond.			
MINERAL RIGHTS OWNER J. Victor Avres	9 5/8	<del>                                     </del>		
ADDRESS				
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8	1355	1355	To Surf
Robert Lowther ADDRESS General Delivery	7			
PERMIT ISSUED October 6, 1986	5 1/2			
DRILLING COMMENCED Oct. 27. 1986	4 1/2	5116	5116	125 sks
DRILLING COMPLETED Nov. 1, 1986	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2 1-2	4979	4979	
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON	useđ			
			. 1.	· · · · · · · · · · · · · · · · · · ·
GEOLOGICAL TARGET FORMATION Benson			th	feet
Depth of completed well 5313 feet		(/ Cabl	e Tools_	
Water strata depth: Fresh 45 feet;	-	290 630 <b>feet</b>		
Coal seam depths:	_ Is coal	being min	ed in the	e area? No
OPEN FLOW DATA				
Producing formation Benson	Pay	y zone dep	th_5020-	za fee
Gas: Initial open flow Mcf/d	Oil: In	itial open	flow	Bbl/d
Final open flow (452) Mcf/d	Fi	nal open f	low	Bb1/d
Time of open flow between ini-	tial and f	inal tests	4 hc	ours
Static rock pressure 900 psig(surface	ce measure	ment) afte	r 24 hou	urs shut i
(If applicable due to multiple completion	n)			
Second producing formation	Pa	y zone dep	th	fee
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				

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

Perforated Benson 5020-28, 24 holes, .39"

Breakdown 1670, Ave HHP 1880, Ave Rate 20, Ave Pres. 2750, Max Tr. Pres. 2960, Total Sand 80/100 6,000#, 20/40 81,000#, Max Conc. 7#/gal, Total Acid 500 gal, Total Fluid 316 bbl (clear), SL Fluid 195 bbl (clear), ISIP 1100, 5 min. 1050, Total Nit. 479,057 CF

## WELL LOG

tiemer sein								
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresi and salt water, coal, oil and gas					
KB to GL Soil, Shale & RR L. Lime Shale B. Lime Sand & Shale	0 10 1965 1980 1995 2095	10 1965 1980 1995 2095 5313 ΤΦ.	1/2" stream water @ 45' 1/2" stream water @ 1290' Hole Damp @ 1435' Oil Odor @ 1520' Hole Wet 1630' - Soap Hole					
Log Tops								
Big Lime	1998	2100						
Big Injun	2100	2204						
Weir	2470	2520						
Berea	2614	2640	·					
4th Sand	3004	3020						
Warren	3572	3636						
Bradford	4548	4604						
Riley?	5022	5030						
			. /					
			DECINED DEC 1 8 1985  DIVISION OF OIL & GAS DEPARTMENT OF ENELSY					

(Attach separate sheets as necessary)

	NG DEVELOPMENT	COMPANY
	Well Operator	. 11
	$\sim 4 \sim 1$	$\mathcal{M}/\!\!/\!\!/$
By:_	Nary N	1 hekolar
Date	: December	1, 1986

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 enal, encountered in the drilling of a well."

7/85



1)	Date: Sept	. 10,		, 15 <u>, 86</u>
2)	Operator's Well No	268	32	
3)	API Well No.	47	-095-1162	
•		State	County	Permit

STATE OF WEST VIRO
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DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

	DIVIS	ION OF	OIL & C	(AD Hero <b>v</b>	Al	PPLICATION	ON FOR A WEL	L WORK PERMIT			•
Λ	UNIO	SEMENT	OF ENE	thai Co	. V	,					
DIVISION OF OIL APPLICATION FOR A WELL WORK PERMIT  4) WDGPAPEMA Oil / Gas / Deep / Deep /						/ Shallow	X a				
5)	LOCATIO		vation: _					Josephs Fork		_/ 31/4110 -	/ )
-,			trict:		<u> الب</u>	24			Quadrangle:	Pennsboro	538
6)	WELL OP	erator	NG Dev	elopme	ent C	o CODE	: <u>10110</u>	7) DESIGNATED	AGENT Gary N:	icholas	
	Address	c/o Pa	u1 W.	Garret	t, P	.0. Box	<u>x 15</u> 746	Address	Crosswind (	Corporate	Park
		<u>Pi</u>	ttsbur	gh, PA	15	244		Rt. 2, B	ox 698, Brid	geport, WV	26330
8)	OIL & GA	S INSPEC	TOR TO I	BE NOTII	FIED			9) DRILLING CO			
	Name Robert Lowther Name Sam Jack Drilling Co.  Address General Delivery Address P.O. Box 48										) <sup>'</sup> •
	Address				-			Address	_P.O. Box 48		
		_Mi	ddlebo	•		26149	<del></del>		Buckhannon		)]
10)	PROPOSE	D WELL V	WORK:			_/ Drill			/ Stimulate	<u>x</u> /	
				•				rate new formation_			
	0701001			•	-	•		,			
11)	GEOLOGI								· · · · · · · · · · · · · · · · · · ·		
	<ul><li>12) Estima</li><li>13) Appro</li></ul>						feet	ı,	feet		
	13) Appro					_		-	area? Yes	/ No	- /
15)	CASING A		-		_	_		an oeing innea in the	area. Tes	7 110	
-	ASING OR	 		IFICATION!		- 11	FOOTAGE	INTERVALS	II CEMENT FILL-UP	l PACKE	ERS
	IBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Con	ductor			<b>,</b>					(000, 111)	Kinds	
	h water	11-3/4	H-40	42	х		40 1	40	To surface	By Rule 1	E . O.E
Coa	1		11.40	72	^		70	+V	TO SULTACE	Sizes	-3-03
Inte	rmediate	8-5/8	X-42	23	Х		1550/350	1650 /350	To surface	By Rule 1	5.05
Proc	duction	4-1/2	J-55	10.5	Х		5450 )	5450	200 - 400	Depths set	
Tub	ing	1-1/2	CN-55	2.75	X		·			By Rule 1	5.01
Line	٠									Perforations:	
						<b> </b>				Тор	Bottom
		<b> </b>		<u> </u>			····				
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					•						
							FELOR LIGE				
					<del></del>		FFICE USE				<u> </u>
						ע	RILLING PE	CKMII			
Peri	mit number_	47-0	)95-116	52		<del> </del>			Octo	ber 6	19 86
									Da	-	
This	permit cove	ering the we	ell operato	or and wel	l locatio	on shown b	elow is evidence	of permission grante	ed to drill in accordan	nce with the pert	inent legal re-
Vo. 8	B) Prior to the	e construct	ion of roa	ds, locatio	ns and	pits for any	permitted work	In addition, the w	ven to the District Oil ell operator or his cor	and Gas Inspect stractor, shall not	tor, (Refer to tify the proper
distr	rict oil and g	as inspecto	r 24 hours	before a	ctual pe	rmitted wo	rk has commence	ed.)		•	
		ork is as de	escribed in	the Notic	e and A	Application,	plat, and reclam	ation plan, subject t	o any modifications a	and conditions sp	ecified on the
	rse hereof.	Octo	ber 6,	1988							
Perr	nit expires _		DEI O	1700	,		unless wel	l work is commenced	prior to that date and	prosecuted with	due diligence.
Г				-			T	<del>√</del>	·	•	
I	Bond:	Agent	:   P	lat:	Casi	ng Fe	ee WPCP	SEE	Other /		
1		Ste 8	7 /K	35 F	X	153	709	1 // 1	1.1//		
L-		V 1 - 1.	<u>'</u>		,_,	14			<del>////</del> // 2		•
								4/1	11/1	L	
NO.	TE: Keep o	ne copy of	this perm	it posted	at the d	rilling locat	ion. D	irector. Die	Ision of 011	and Gas	
							16111716 60	700001, 17		ana vas	File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

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