IV-35 (Rev 8-81)



OIL & GAS DIVISION MINES Ate of Mest Hirginia
DEPT. OF MINES Ate of Mest Hirginia OIL & GAS DIVISION

Bil und Gas Bivision

	March	28,	1983	
Opera			`	
	No. For			
Farm_	Mononga	hela	Powe	er
API N	o. 47 -	07	'3 <b>_</b>	1594

## WELL OPERATOR'S REPORT

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

WEIL TYPE: Oil $\frac{X}{}$ / Gas $\frac{X}{}$ / Liquid Injection (If "Gas," Production $\frac{X}{}$ / Underground	/Wast ind Storag	e Disposa e/ Deep	l/ p/ Sha	110w_X/)
LOCATION: Elevation: 976 Watershed M	cElroy Run	of Ohio F	liver	
District: Crant County Pleasa	nts	Quad angle	Willow 1	Sland 7.5
COMPANY Jenkins Energy Corp.		1		Cement
ADDRESS p.O. Box 980, Bridgerort, W.va.	Casing	Used in		fill up
DESIGNATED AGENT Carlton Lavis	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 980, Bridgeport W.va.	1			
SURFACE OWNER Monongahela Power Co.	20-16 Cond.			
ADDRESS St. Marys, W.va.	11 <sup>3</sup> /4	90	90	to surface
MINERAL RIGHTS OWNER Monongahela Fower Co.	9 5/8			
ADDRESS St. Marys, W.va.	8 5/8	1111	1111	to surface
OIL AND GAS INSPECTOR FOR THIS WORK Pobert	7			
Lowther ADDRESS Middlebourne, W.va.	5 1/2			
PERMIT ISSUED February 11, 1983	4 1/2		4 <u>76</u> 1	500 sacks
DRILLING COMMENCED February 15, 1983	3			
DRILLING COMPLETED February 24, 1983	2			,
IF APPLICABLE: PLUGGING OF DRY HOLE CN CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GFOLOGICAL TARGET FORMATION Hamilton Shale		Dep	th 4910	feet
Depth of completed well 4730 ? feet				
Water strata depth: Fresh 60 feet;				
Coal seam depths:				e area?
OPEN FLOW DATA Rhinestreet				
Producing formation Hamilton Shale	Pay	zone dep	th 4 <u>76</u>	1 feet
Gas: Initial open flow show Mcf/d	Oil: Ini	tial open	flow	Bbl/d
Final open flow 200 Mcf/d	Fir	nal open f	low	0 Bbl/d
Time of open flow between init	ial and fi	inal tests	h	ours
Static rock pressure 750 psig(surfac	e measurer	ment) afte	<u>r <sup>72</sup> ho</u> i	urs shut in
(If applicable due to multiple completion				
Second producing formation Brallier Sha	ale Pay	y zone dep	th 3816	feet
Gas: Initial open flow show Mcf/d	Oil: In	itial open	flow sh	ow Bbl/d
Final open flow 450 Mcf/d				
Time of open flow between init	ial and f	inal tests	4 h	ours
Static rock pressurepsig(surface	measurem	ent) after	72 ho	urs shut in
halch day or all				

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

3 stages with 40 holes per stage each stage consisted of 750,000 scf  $\rm N_2$  First Stage - Perf  $\frac{4390-4604}{3860-4088}$ , 40 holes, stimulated with 750,000 scf  $\rm N_2$ . Rhinestreet Second Stage - Perf  $\frac{3860-4088}{3263-3766}$ , 40 holes, stimulated with 750,000 scf  $\rm N_2$ . Third Stage - Perf  $\frac{3263-3766}{3263-3766}$ , 40 holes, stimulated with 750,000 scf  $\rm N_2$ .

Fourth Stage - Perf 2123-3224, 38 holes, stimulated with 200,000 scf N<sub>2</sub>. U. Devenian Fifth Stage - Perf 1918-1924, 10 holes, stimulated with 400,000 scf N<sub>2</sub>. U. Devenian to the stimulated with 400,000 scf N<sub>2</sub>.

## WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Top Soil, surface clay, sand, shale and lime streaks Big Lime	0 1128	1200 1200	Water, Oil, & Gas
Big Injun Sand	1213	1328	Oil & Gas
Berea Sand	1716	1724	Oil & Gas
Cantz Sand	1332	1844	
Cordon Sand	2103	2146	Oil & Gas
Brallier Shale	2508	3840	Oil & Gas
Huron Shale	3840	4480	Gas
Hamilton Shale	4430	4761	Gas
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(Attach separate sheets as necessary)

Jenkins Energy Corp.

Well Operator

By: The Walletter of the Corp.

Date: 11-10-13

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 wal, encountered in the drilling of a well."

DRILLING CONTRACTOR:

								2.05
11	Data	. 10	ebet	-	. 1	A 47 ( ) A 47		19.
IJ	Date			LELL.				

2) Operator's Mon-Power 4
Well No. 47 County 3) API Well No.

Permit

State

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

WELL TYPE:										
						Underground stor		/ Deep	/ Shallow _	
LOCATION:						Watershed:				
WELL OPER						County:				
Address	AIUK			-	***	11)	Address	AGENI	4 1 1 x	
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OIL & GAS				,						
ROYALTY O'	WNER _	Markett 1	alte Li	5.3.	1600	12)	COAL OPERA	TOR		
Address							Address			
Acreage						13)		• •	ARATION ON RE	
SURFACE OV	VNER	<u>, 11 (31) </u>			<u> </u>	<u> Sarawa</u>	Name	<b>.</b>		
Address						<del></del>	Address		· · · · · · · · · · · · · · · · · · ·	
<b>A</b>						<del></del>				
Acreage FIELD SALE	(IE MADI	T) TO:				<del></del> ·				
·:		-					Address			
Address							COALLESSEE	WITH DECLAR	ATION ON BECO	D.D.
OIL & GAS I	NSPECTO	R TO BE	NOTIFIE	D		14)			RATION ON RECO	
Name							Address	<del></del>		
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- 344- 900		<u> </u>	11.8		<u> </u>		•			
PROPOSED '	WORK:	Drill	/	Drill d	leeper	/ Redrill	/ Frac	ture or stimulate		
					-	_/ Perforate ne				
						fy)				
GEOLOGICA	L.TARGE									
17) Estimated						feet				
iii	aopt or c	ompieted t			Ý			C4		
18) Approxim		trata denth	s: Fresh	١.		feet: sa	lt .	TPPT		
18) Approxim	ate water s	_				•	lt,		/ No	
19) Approxim	nate water s nate coal sea	am depths:				feet; sa Is coal b	•		/ No	
19) Approxim	nate water s nate coal sea	am depths:				•	•		/ No	
19) Approxim CASING ANI CASING OR	nate water s nate coal sea	am depths:	AM CIFICATION	·		Is coal t	•	area? Yes		
19) Approxim	nate water s nate coal sea	am depths:	AM	·		Is coal t	peing mined in the	area? Yes		
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rmit expires			<del></del>	unless di	illing is comn	nenced prior to t	hat date and pros	secuted with di	ue diligence.
Bond:	Agent:	Plat:	Casing	Fee					
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			West of the second		,	Administrat	or, Office of Oil	and Gas	
				Bond: Agent: Plat: Casing	Bond: Agent: Plat: Casing Fee	Bond: Agent: Plat: Casing Fee	Bond: Agent: Plat: Casing Fee Administrat	Bond: Agent: Plat: Casing Fee Administrator, Office of Oil	Bond: Agent: Plat: Casing Fee Administrator, Office of Oil and Gas