

IV-35 (Rev 8-81)



## State of Mest Birginia

Bepartment of Mines
Dil und Gas Division

Date	August 27, 1984					
Operat						
Farm_	Edith Griffin					
API No	47 <u>095</u> <u>1081</u>					

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas */ Liquid Injection (If "Gas," Production x / Undergrou	/ Waste	e Disposal e/ Deep	/ / Sha	llow <u>×</u> /)
IOCATION: Elevation: (1204) Watershed	Straight R	un		
District: Centerville County Tyle	er (	Quadrangle	Pennsbo	pro 7.5
OMPANY J&J Enterprises, Inc.				
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement
DESIGNATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Size			
SURFACE OWNER Edith Hess Griffin	20-16 Cond.			
ADDRESS P.O. Box 3025, Parkersburg, WV 26101	13-10"	30	0	0 sks
MINERAL RIGHTS OWNER Same as surface	9 5/8			
ADDRESS	8 5/8	1312.10	1312.10	325 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7			
Lowther ADDRESS Gen. Del. Middlebourne WV 26149	5 1/2	<u> </u>		
PERMIT ISSUED 6/12/84	4 1/2	5202.70	5202.70	225 sks.
DRILLING COMMENCED 8/4/84	3			
DRILLING COMPLETED 8/10/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Alexander		Dep	th 5345	<sub>-5410</sub> feet
Depth of completed well 5995 feet	Rotaryx	/ Cabl	e T∞ls_	
Water strata depth: Fresh 95,1445 feet;	Salt 0	feet	•	
Coal seam depths: None	Is coal	being min	ed in the	e area? No
OPEN FLOW DATA .				
Producing formation Benson	Pay	zone dep	th 5099-5	feet_
	Oil: Ini	itial open	flow_	Bbl/d
Combined Final open flow 600 Mcf/d	Fir	nal open f	1cw	Bbl/d
Time of open flow between init	ial and fi	inal tests	4 h	ours
Static rock pressure 1800 psig(surface	e measure	ment) afte	r 96 ho	urs shut in
(If applicable due to multiple completion	ı)			
Second producing formation Riley	Pa	y zone dep	oth_4694-	4740 feet
Gas: Initial open flowMcf/d	Oil: In	itial oper	flow	Bbl/d
Final open flowMcf/d	Oil: Fi	nal open i	flow	Bbl/d
Time of open flow between init	ial and f	inal tests	5h	ours
Static rock pressurepsig(surface	e measurem	ent) after		
•	•	(Conti	irue on r	IT () () 1994 everse side)

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

Benson: Perforations: 5099-5101(8 holes)

Fracturing: 300 sks. 20/40 sand:520 Bbls. fluid.

RIley: Perforations: 4694-95(2 holes) 4709-13(6 holes) 4718-19(3 holes) 4727-29(3 holes)

4738-40(3 holes)

Fracturing: 300 sks. 20/40 sand:500 gal. acid:510 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS  $x=53.35 \times 559 = 29823 = 0.000034$  Pf=1800 x 2.72 (0.000034)  $t=60 + (0.0075 \times 5203) + 459.7 = 559$  $(0.735)(4898)(0.9)_{=1800 \text{ x } 2.72} \circ .11_{=1800 \text{ x } 1.1}$ 

Pf=1980 psi

## WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
	1	50	and salt water, coal, oil and gas
Sand	0 50	300	
Sand & shale	300	1350	½" stream @ 95'
Sand & shale	1350	1520	
1st Salt sand	1520	1585	Wet @ 1445'
Sandy shale 2nd salt sand	1585	1730	
	1730	1870	Gas ck @ 3058 10/10-2" w/water
Sand & shale	1870	1930	133,000 cu.ft.
3td salt sand	1930	1975	
Shale	1975	2000	Gas ck @ 3677 10/10-2" w/water
Maxton sand	2000	2038	133,000 cu.ft.
Sandy shale	2038	2055	
Little lime	1	2075	Gas ck @ 4599 8/10-2" w/water
Shale	2055	2150	119,000 cu.ft.
Big Lime	2075	2240	
Big Injun	2150	1	Gas ck @ 4999 24/10-2" w/water
Shale	2240	2260	207,000 cu.ft.
Squaw	2260	2280	·
Sandy shale	2280	2450	Gas ck @ 5307 12/10-2" w/water
Weir	2450	2560	152,000 cu.ft.
Sand & shale	2560	3560	
Warren	3560	3610	Gas ck @ collars 12/10-2" w/wat
Sand & shale	3610	4694	152,000 cu.ft.
Riley	4694	4740	
Sandy shale	4740	5099	•
Benson	5099	5101	
Sandy shale	5101	5345	
Alexander	5345	5410	· ·
Sandy shale	5410	5995 '	<b>!</b>
		TD.	
		Runastret	5975
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		parate sheets	47 9 1

(Attach separate sheets as necessary)

J&J Enterprises, Inc. Well Operator Robert Dahlin-Geologist 8/27/84

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, encountered in the drilling of a well."



1) Date:	MAY 23	1	9 84
<ol><li>Operator's Well No.</li></ol>	JK-989	,	
3) API Well No.		- 1081	
	State	Country	D

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

4) WELL TY	PE: A C	oil	/ G	as	<u>X</u> /						
	<b>B</b> (	lf "Gas",	Productio		Χ	/ Underground	storage		/ Shallow	, <u>X</u>	
5) LOCATIO	N: Ele	vation: _		004'		Watershed: _		AIGHT RUN (	LKHI	DN	$\overline{\mathcal{N}}$
		strict:		ERVI		County:	TYLER	Quadrangle: _	PENNSB	00.0	7.5'
6) WELL OP					ES, I	NC.	7) DESIGNATE	dagent <u>RICH</u>	RD M. RE	DDEC	LIFF
Address			BOX 48		0500	-	Address		BOX 48		
			ANNON,		2620	<u></u>			IANNON, W	V 2	6201
8) OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED ハバエロ	ED		9) DRILLING C				
Name	·•-	GENER		TVED	EK V		Name	S.W. JACK		<u>co.</u>	
Address	-		EE:OURN	E. W	N 26	149	Address	<u>F.O. BOX 4</u>			
10) PROPOSE	D WELL		Drill_	X	<u>√ ∠∪</u> _/ Dril		/ Dadeill	BUCKFANNON Stimulate	X /	201	
							rate new formation				
11) GEOLOGI	CAL TAR	GET FOR	MATION	, <u>AL</u>	<b>EXAND</b>	ER (P. 17)					
12) Estima	* Company of the Comp				00 ¹	feet					
13) Appro	ximate trat	a depths:	Fresh,	80	F.	feet; sal	tN/A	feet.			
14) Appro	ximate coa	l seam dep	ths:	650'	-651 t	Is co	al being mined in th		/ No	χ_	,
15) CASING A	ND TUBI	NG PRO	GRAM						Ţ, 140-	light w	
CASING OR	I	SPEC	IFICATIONS	3		FOOTAGE	INTERVALS	CEMENT FILL-UP	PACI	تعمراً KFDG	6
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)			
Conductor	113/4	H-40	42	Х		30	0	0 Sacks	B V = S		$\overline{}$
Fresh water	85/8	E.RW	23	χ		1104 '	1104'	To surface	Kinds KEAT	80	
Coal	85/8	ERW	23	Χ		1104*	1104 '	To surface	Sizes		
Intermediate			•				1104	10 Surface		(75)	
Production	43	J-55	10.5	Х		5200 t	5200 °	225 Sacks	Depths set	<del>\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ </del>	- 1
Tubing.							J	or as requ		Rule	15 01
Liners								VI as requ	Perforations:	zaie	113-0
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	1.12. 1										
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						OFFICE USE	ONLY				
多本(かい)、 さっしょう ) 文化()						DRILLING PE	RMIT				
Permit number	47-0	95-10	81					June 12.		,	
	•						-	Dat		1	<u>9 84</u>
This permit cover	ing the we	ell operato	r and well	location	on shown	below is evidence	of permission grants	ed to drill in accordan	and the state of		11
dam entering anoles	e co circ cc	aiditions c	Unitamieu i	tereni a	ına on ın	e reverse nerent Na	difference much be a	non 4n 4h - Di-4 A 400			
0, 2 10 122	e commercial	4011 04 108	ius, iucaut	JUS BUG	DIG TOP	any permitted work vork has commence	In addition the w	ell operator or his con	tractor shall no	otify the	proper
							•				
everse hereof.				and A	ррисано	n, plat, and reclam	ation plan, subject t	o any modifications ar	id conditions s	pecifie	d on the
Permit expires	June	12,	L986			unless well	work is commenced	prior to that date and	proceduted with	الم مدة	:::
								prior to that date and	prosecuted with	n aue ai	ngence.
Bond:	Agent		lat:	Casin		Fee					
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		-						1/1			•
NOTE: "	_						Admi	inistrator, Office of O	il and Gas		
NOTE: Keep on	e copy of	this permi	t posted a	t the di	rilling loo	cation.					
es i de la companya d		See 1	he reverse	side o	f the AP	PLICANT'S COPY	for instructions to	the well operator			File
							· ····································	operator.			