

IV-35 (Rev 8-81)





State of Mest Nirginia

CIL & GAS DIVISION

DEPT. OF MINES

Bepartment of Mines Bil und Cas Bivision

Date	August 10	1984
Operato Well No	r's	
Farm	Edith Griffin	
API No.	47 _ 095	108

## WELL OPERATOR'S REPORT

OF

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

WELL TYPE: Oil / Gas */ Liquid Inj (If "Gas," Production */ Und	ectio	on/Was	te Disposa ge / Dea	al_/	allavy /
LOCATION: Elevation: 1127 Watersh	eđ	Big Run	, 50.	-P/ 311	######################################
District: Centerville County	Ty]	ler	Quadrang]	le West U	nion 7.5
COMPANY J&J Enterprises, INc.					
ADDRESS P.O. Box 48, Buckhannon, WV 26201					
		Casing	Used in	Left	Cement
DESIGNATED AGENT Richard Reddecliff	_	Tubing	8	in Well	fill up Cu. ft.
ADDRESS P.O. Box 48, Buckhannon, WV 26201 SURFACE OWNER O.W. Griffin		Size			
ADDRESS P.O. Box 3025, Parkersburg, WV 261	_	20-16 Cond.			
MINERAL RIGHTS OWNER Same as surface	01	13-10"	32	0	0 sks.
ADDRESS		9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Robert		8 5/8	1718.05	1718.05	300 -1
Lowther ADDRESS of	<u>t</u>			2720.03	380 sks
Lowther ADDRESS Gen. Del. Middlebourne PERMIT ISSUED 6/12/84 2614	<u>e,</u> ₩V	5 1/2			
DRILLING COMMENCED 7/29/84	_	4 1/2	5986	5986	400 sks.
DRILLING COMPLETED 8/4/84		3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON		2			
CONTINUOUS PROGRESSION FROM DETITION OR		Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON		used			
CTOY OCT CO.	-				
GEOLOGICAL TARGET FORMATION A	lexan	der	Dept	h	feet
Depth of completed well 5995 fee	et R	otary ×	/ Cable	Tools	
mater strata depth: Fresh 2/5,/00 fee	et; :	Salt0	feet		
Coal seam depths:	None	Is coal b	eing mine	d in the	area? No
OPEN FLOW DATA			-		
Producing formation Devonian		Pav	zone donti	<b>-</b>	_
Gas: Initial open flow Mcf/		 Dil: Trit	zone depti ial open i	5891-	5943 feet
Combined Final open flow 866 Mcf/	ď	Fina	l open flo	TTOW_	BbI/d
Time of open flow between i	nitia	al and fin	al teste	1 1	
psig(sur	face	measureme	nt) after	96 5	.5
approache due to multiple complet	ion	. )			
Second producing formation Benson, R	Riley	Pav	zone depth	4596-462 4990-98	_
Mcf/	d o	il: Init	iai Oteu f	il cu	feet
MCI/	d o	il: Final	lopen flo	Tu7	Bb1/d
Time of open flow between in	nitia	l and fina	al tocte	. 00	REY OF C
Static rock pressurepsig(surfa	ace m	easurement	after	houre	shut in
•					
			(Continue	e on reve	rse side)

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

Phylotrett Devonian Shale: Perforations: 5891-97(12 holes) 5940-43 (6 holes) Fracturing: 300 sks. 20/40 sand: 375 Bbls. fluid.

Benson: PErforations: 4990-98 (16 holes) Fracturing: 4000 lbs. 20/40 sand:450 Bbls. fluid. RIley: Perforations: 4596-99 (4 holes) 4605.5-06.5(4 holes) 4615-17(4 holes) 4626-28 (7 holes) Fracturing: 300 sks. 20/40 sand:100 sks. 80/100 sand: 585 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS

 $\frac{1}{t=60 + (0.0075 \times 5986) + 459.7 = 565} = \frac{1}{x=53.35 \times 565} = \frac{1}{30121} = 0.000033 \text{ Pf=}1800 \times 2.72^{(0.000033)}$   $(0.742) (5247) (0.9) = 1800 \times 2.72^{-0.12} = 1800 \times 1.1$ 

Pf=2029 psi

## WELL LOG

	•		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOYTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Red rock & shale	0	110	
Sand, red rock & shale	110	600	Damp @ 139
White sand	600	690	ኒ" stream @ 275'
Sand & shale	690	1455	2 Stream & 275
Gray sand	1455	1577	½" stream @ 700'
Sand & shale	1577	1970	
Big Lime	1970	2045	Gas ck @ 2162 40/10-1" w/water
Big Injun	2045	2165	47,629 cu.ft.
Sand & shale	2165	4596	
Riley	4596	4628	Gas ck @ 2470 31/10-1" w/water
Sand & shale	4628	4990	43,600 cu.ft.
Benson	4990	4998	
Sand & shale	4998	5010	Gas ck @ 3637 10/10-1" w/water
Sand & shale	5010	5891	23,314 cu.ft.
Devonian Shale	5891	5943	
Sand & shale	5943	5995	Gas ck @ 4808 34/10-1" w/water
		T.D.	43,782 cu.ft.
	İ	Rhenestreet	
		1	Gas ck @ 5023 30/1001" w/water
•	I	@T.D.	41,222 cu.ft.
			Gas ck @ 5322 32/10-1" w/water
			43,600 cu.ft.
			·
		1	
		1	1
		l	1
	:		

(Attach separate sheets as necessary)

J&J Enterprises, INc.

Well Operator

By:

Robert Dahlin - Geologis

Date: 8/10/84

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 wal, encountered in the drilling of a well."



1) Date: Mf\Y 23 , 19 84	l)
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2) Operator's Well No.\_\_

3) API Well No. 47 - 095 - 1083 State County Permit

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

TO WELL I'I	D /	76 (C)		asv						
5) LOCATIO		If "Gas",	Production			Undergroun	-	Deep	/ Shallow	<u>X</u> /)
J) LOCATIO		evation: _	CENTE			Watershed:		WM1137)	WEST UN	<u> IION 7.5</u>
6 WELL OF			J ENT			County:	TYLER	Quadrangle: _		
	PERATOR		BOX		SES TIVE	<u></u>	7) DESIGNATEI			DECLIFF
Addres	3		HANNON		26201		Address		B0X 48	
<b>**</b> • • • • • • • • • • • • • • • • • •					26201				HANNON, WV	26201
8) OIL & GA	72 INSPEC				וורה		9) DRILLING CO			
Name		ROBE		LOWI			NameS	. W. JACK DR	<u>ILLING CO.</u>	
Addres	s	GENE		LIVE			Address	P.O.	B <b>O</b> X 48	
	******	MILL	LEBOU		WV 2614	19	*	BUCKI	<u>IANNON, WV</u>	26201
0) PROPOSE	ED WELL	WORK:	Drill	<u>X</u>	_/ Drill	deeper	/ Redrill	/ Stimulate	X /	
			Plug o	ff old	formation	/ Perf	orate new formation	/		
						ell (specify)				
i) GEOLOG	ICAL TAR	GET FOR	MATION							
12) Estim	ated depth	of complet	ed well,		<u>, 00 </u>	fee	et ·			
13) Appro	oximate tra	ta depths:			<b>.</b>	feet; sa	utN/A	feet.		
14) Appro	oximate coa	ıl seam dep	ths:4	25'-	426 <b>1</b>	Is (	coal being mined in the		_ / No o	_X .
5) CASING	AND TUB	ING PRO	GRAM			=		. 103	, NO	
CASING OR	#	SPEC	IFICATION	S	!!	FOOTAGI	INTERVALS	CEMENT FILL-UP		
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	1	OR SACKS	PACKE	RS
Conductor	11 3/4		42	X	Useu	30	Left in well	(Cubic feet)		<del>- ( ")</del>
resh water	85/8		23	X	172	227 '	1227*	O Sacks .	Kinds	
oal	8 5 / 8		23	X		227	1227'	To surface	11517	ា ប្រធានា
termediate	30,0				12	.21	1221	To surface	Sizes	Reprint and
roduction	41/2	J-55	10.5	Х	52	200 *	F2001	00F C 1		
	7-2	0-33	10.5	_^	32	100	5200 t	225 Sacks	Depths set	g 🖦
ubing	<u> </u>							or as requ	red by Ru	ıle 15-0
iners								į	Perforations:	
		26.73	· ·						Тор	Bottom
	<b> </b>									
					L					
	<del></del>				<u> </u>					
		·	<del></del>			FICE USE				
					DR	ILLING PI	ERMIT			
rmit number_	47-0	95-108	33					June 12.		01
								Dat		19 84
is permit cove	ring the we	ell operato	r and well	locatio	n shown belo	ow is evidence	of permission granted			
trict oil and ga								ll operator or his con	tractor shall notif	y the proper
			001010 40	com per	MILLICAL WOLK	nas commence	ea.)			
e permitted wo verse hereof.	ork is as de	scribed in	the Notice	and A	pplication, pl	at, and reclam	nation plan, subject to	any medifications ar	nd conditions spe	cified on the
rmit expires		12, 1						•		
					· · · · · · · · · · · · · · · · · · ·	uniess wei	l work is commenced p	prior to that date and	prosecuted with d	ue diligence.
				·						
Bond:	Agent	·	lat:	Casing	Fee					
1513	m	N I Y	1 lkn	mi	1 156					
~~	- , ,		177	111	- 100	<u> </u>				
						· . —	/_	-c-le	<i></i>	
OTE: Keep or	ne copy of	this permi	t posted a	t the dei	lling location	n	Admin	istrator, Office of O	il and Gas	
		P	a	41	iocatioi					TO:
		See t	he reverse	side of	the APPLIC	'ANT'S CODY	for instructions to the	he well one		File