

IV-35 (Rev 8-81)

State of Mest Nirginia

Bepartment of Mines
Dil und Gas Bivision

Date	September 9, 1985
Operator Well No.	
Farm Gl	asure
API No.	47 - 095 - 1105

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1137 Watershed S	Short Run			
District: Centerville County Tyle:	r	Quadrangle	West Ur	nion 7.5
OMPANY J&J Enterprises, Inc.				
DDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Teft	Cement
FSIGNATED AGENT Richard M. Reddecliff	Tubing	Drilling		fill up Cu. ft.
DDRESS P.O. Box 48, Buckhannon, WV 26201	Size			
URFACE OWNER David Glasure	20-16			
DDRESSRt. # 1, Mingo Junction, OH 43938	Cond.	67	67	0
INERAL RIGHTS OWER Same as surface	13-10"	- 67	07	-
DDRESS	9 5/8			300 aka
	8 5/8	1305.85	1305.85	300 sks
Lowther ADDRESS Middlebourne, WV 26149	7 .			
PERMIT ISSUED 8/3/85	5 1/2	5443.05	5443.05	265 sks
ORTILING COMMENCED 8/7/85	4 1/2	5443.05	3443.03	203 585
ORTHING COMPLETED 8/15/85	3			
F APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used			
ON			. 5313	21 -
GPOLOGICAL TARGET FORMATION Alexander				-31 f e
Depth of completed well 5558 feet				
Water strata depth: Fresh 60,290 feet;				
Coal seam depths: None	_ Is coal	being mi	ned in th	e area?
OPEN FLOW DATA			•	
Producing formation Alexander	_Pa	ay zone de	pth / 5313	-31 f e
Gas: Initial open flow Mcf/d				
	F			
Time of open flow between ini	itial and :	final test	s_ ⁴	ours
Static rock pressure 1600 psig(surfa				
(If applicable due to multiple completion				
Second producing formation Benson & Rile		ay zone de	pth 5016	-37 -18 f
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between in				
THIS OF OPEN FROM DEFMEEN THE				

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

Alexander: Perforations: 5313-17 (8 Holes) 5329-31 (6 holes) Fracturing: 350 sks. 20/40 sand: 432 Bbls. fluid.

Benson: Perforations: 5016-18 (8 holes)

Fracturing: 400 sks. 20/40 sand: 500 gal. acid: 457 Bbls. fluid. Riley: Perforations: 4607-08 (4 holes) 4610-11 (4 holes) 4635-37 (7 holes)

Fracturing: 170 sks. 20/40 sand: 500 gal. acid: 297 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS $\frac{1}{1}$ $\frac{$

Pf= 1760 psi

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh
FUNCTION WILLY HARD UK SUFT	TOP FEET	LILLY PEET	and salt water, coal, oil and gas
Red rock Sandy shale & red rock Sand, shale & red rock Red rock & shale Sandy shale & red rock Sandy shale & red rock Sandy shale & red rock Sand & sandy shale Sand & shale Shale & sand Sand & shale Red rock & shale Little Lime Red rock & shale Big Lime Injun (0 20 115 410 790 855 1065 1170 1500 1640 1815 1920 1960 1975 2010 2115 2175 2515 3450 4105 4607 4637 5016 5018 5313 5331	20 115 410 790 855 1065 1170 1500 1640 1815 1920 1960 1975 2010 2115 2175 2515 3450 4015 4607 4637 5016 5018 5313 5321 5558 T.D.	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

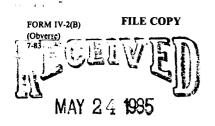
By:

Robert Dahlin - Geologist

Date: 9/9/85

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:	<u>April</u>	29	, 19	<u>85</u>
2)	Operator's Well No		&&£££XX	J-1193	
3)	API Well No	. 47	-095-11	05	
,		State	County	Pe	rmit

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

APPLICATION FOR A WELL WORK PERMIT

) WELL TY	S DIVISIO	ON					LLL WORK PERMIT			
4 TJ 1777-2-14 1 1			/ Ga	.sX	/					
Frank 1 % La		"Gas", P	Production	. <u>X</u>		_/ Underground	d storage	/ Deep	√ Shallow	X/)
5) LOCATIO	N: Elev	vation:	113	37 '		Watershed:	Charat Dan	·		670
	Dist		Center			County:	Tyler	Quadrangle:	West U	nion 7.5'
6) WELL OP	ERATOR_	J &	J Ent	erpr	ises,	Inc. 427	7) DESIGNATED	`	hard Red	decliff
Address	š <u> </u>	P.0	. Box	48		24150	Address	P.0	 Box 48 	
	<u> </u>	Buc	<u>khanno</u>	n, W	/ 2620	1		Buc	<u>khannon,</u>	WV 26201
8) OIL & GA	S INSPECT	OR TO F	BE NOTIF	FIED			9) DRILLING CO	NTRACTOR:		
Name	Rober	rt Low	<u>ther</u>				Name	S.W. Jack Dr	<u>illing C</u>	0
Address		eneral				-	Address	P.O. Box 48		
	M:	iddleb	ourne.	WV	26149			Buckhannon,	WV 26201	
0) PROPOSE	D WELL V	VORK:	Drill	X	/ Drill	deeper	/ Redrill	/ Stimulate	Χ/	
,			Plug of	f old fo	ormation	-	orate new formation_			
			-			well (specify)				
1) GEOLOG	ICAL TAR	GET FOR!					9			
	ated depth o				5600'	fe	et			
13) Appro	ximate trata	a depths:	Fresh, 2	385'	125'	feet; sa	alt,N/A	feet.		
	oximate coal				Α	Is o	coal being mined in the	area? Yes	/ No_	Χ/
5) CASING				•			· ·	•		
CASING OR	1	SPEC	IFICATIONS	5	N	FOOTAG	E INTERVALS	II CEMENT FILL-UP	PACI	CERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	lleft in well	OR SACKS (Cubic feet)		
Conductor	11 3/4	H-40	42	X		f15 30	415 81	O sacks C	Tissues De	4 rule 15.
Fresh water	8 5/8	ERW	23	Ŷ		1737'	1737'	To Surface	/ARUS	Juine 2
Coal	8 5/8	ERW c	23	X		1737'	1737'	To Surface	Sizes	
Intermediate	10 3/0	- ERW L				1/3/	1/3/	10 341 1466	Sizes	
Production	41/2	J-55	10.5	v		5600	5550'	300 sacks	Depths set	
Tubing	42	_0-33	10.5	_^_		5000	3330	or as requi		ula 15-01
Liners	#							OI US I COU	Perforations:	<u>u.c 10 01</u>
	1				1	 			Top	Bottom
	1								Тор	Bottom
	1 1							<u> </u>	J	
			•						•	
						OFFICE USE	ONLV		•	
						OFFICE USE			•	
						OFFICE USE				
ermit number	47-0	95-110)5						June 3	19 85
ermit number	47-0	95-110)5					Date		19 85
This permit cov	ering the we	ell operato	or and wel	l locatio	n shown	DRILLING P	ERMIT e of permission grants	Date d to drill in accordance	e with the ne	rtinent legal re-
This permit cov	ering the we	ell operato	or and well	herein a	n shown	DRILLING P	e of permission grante	Date of to drill in accordance from to the District Oil	e with the pe	rtinent legal re-
This permit cov	ering the we	ell operato	or and well	herein a	n shown	DRILLING P	e of permission grante	Date of to drill in accordance from to the District Oil	e with the pe	rtinent legal re-
quirements subj No. 8) Prior to t district oil and p	ering the we ect to the co the construct gas inspector	ell operato onditions c tion of ros r 24 hours	or and well contained l ads, locations before ac	herein a ons and ctual per	n shown nd on the pits for s mitted w	below is evidence reverse hereof, you permitted wo ork has commen	e of permission grante Notification must be girk. In addition, the wiced.)	Date of to drill in accordance wen to the District Oil ell operator or his cont	e with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj No. 8) Prior to t district oil and g	ering the we ect to the construct gas inspector work is as de	ell operato onditions c tion of ros r 24 hours escribed in	or and well contained ads, location before action	herein a ons and ctual per	n shown nd on the pits for s mitted w	below is evidence reverse hereof, you permitted wo ork has commen	e of permission grante	Date of to drill in accordance wen to the District Oil ell operator or his cont	e with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj No. 8) Prior to t district oil and p	ering the we ect to the construct gas inspector work is as de	ell operato onditions c tion of ros r 24 hours	or and well contained ads, location before action	herein a ons and ctual per	n shown nd on the pits for s mitted w	below is evidence reverse hereof. In permitted wo ork has commendate, and recla	e of permission grante Notification must be girk. In addition, the worked.) mation plan, subject to	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj (o. 8) Prior to the district oil and gother The permitted weverse hereof.	ering the we ect to the construct gas inspector work is as de	ell operato onditions c tion of ros r 24 hours escribed in	or and well contained ads, location before action	herein a ons and ctual per	n shown nd on the pits for s mitted w	below is evidence reverse hereof. In permitted wo ork has commendate, and recla	e of permission grante Notification must be girk. In addition, the wiced.)	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj to. 8) Prior to this trict oil and gone the permitted we verse hereof.	ering the we ect to the construct gas inspector work is as de	ell operato onditions of tion of ros r 24 hours escribed in	or and well contained ads, location before act the Notice	herein a ons and ctual per e and A	n shown nd on the pits for s mitted w	below is evidence reverse hereof. In permitted wo ork has commended, plat, and reclaumless w	e of permission grante Notification must be girk. In addition, the worked.) mation plan, subject to	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj (o. 8) Prior to the district oil and gother The permitted weverse hereof.	ering the we ect to the construct gas inspector work is as de	ell operato onditions of tion of ros r 24 hours escribed in	or and well contained ads, location before action	herein a ons and ctual per	n shown nd on the pits for s mitted w pplication	below is evidence reverse hereof. In permitted wo ork has commended, and reclaumless w	e of permission grante Notification must be girk. In addition, the worked.) mation plan, subject to	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj to. 8) Prior to this trict oil and gone the permitted we verse hereof.	ering the we ect to the construct gas inspector work is as de	ell operato onditions of tion of ros r 24 hours escribed in	or and well contained ads, location before act the Notice	herein a ons and ctual per e and A	n shown nd on the pits for s mitted w	below is evidence reverse hereof. In permitted wo ork has commended, and reclaumless w	e of permission grante Notification must be girk. In addition, the worked.) mation plan, subject to	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit covuirements subjuct. 8) Prior to to district oil and gone the permitted weverse hereof.	ering the we ect to the construct gas inspector work is as de	ell operato onditions of tion of ros r 24 hours escribed in	or and well contained ads, location before act the Notice	herein a ons and ctual per e and A	n shown nd on the pits for s mitted w pplication	below is evidence reverse hereof. In permitted wo ork has commended, and reclaumless w	e of permission grante Notification must be girk. In addition, the worked.) mation plan, subject to	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the pe and Gas Inspiractor shall no	rtinent legal re- ector, (Refer to otify the proper
This permit covuirements subjuct. 8) Prior to to district oil and gone the permitted weverse hereof.	ering the we ect to the construct gas inspector work is as de	ell operato onditions of tion of ros r 24 hours escribed in	or and well contained ads, location before act the Notice	herein a ons and ctual per e and A	n shown nd on the pits for s mitted w pplication	below is evidence reverse hereof. In permitted wo ork has commended, and reclaumless w	e of permission grante Notification must be gi rk. In addition, the we ced.) mation plan, subject to ell work is commenced	Date of to drill in accordance wen to the District Oil ell operator or his cont o any modifications ar	ce with the per and Gas Inspiractor shall not conditions approsecuted with	rtinent legal re- ector, (Refer to otify the proper
This permit cov quirements subj to. 8) Prior to this trict oil and gone the permitted we verse hereof.	ering the we ect to the construction of the co	ell operato conditions of tion of roa r 24 hours escribed in a 3, 19	or and well contained in ads, location before and the Notice 987	herein a ons and ctual per e and A Casin	n shown nd on the pits for s mitted w	below is evidence reverse hereof. In permitted wo ork has commended, plat, and reclaumless were properly to the permitted with the permitted work has commended.	e of permission grante Notification must be gi rk. In addition, the we ced.) mation plan, subject to ell work is commenced	Date of to drill in accordance wen to the District Oil cell operator or his control of any modifications are prior to that date and the cell of the ce	ce with the per and Gas Inspiractor shall not conditions approsecuted with	rtinent legal re- ector, (Refer to otify the proper