



IV-35 (Rev 8-81)

Sinte of Mest Airginia

Bepartment of Mines Gil und Gas Division

Date	Sept	ember 5	5, 19	985	_
Operator Well No	c's •	J-1194			_
Farm		sure			_
API No.	47 _	095	_	1106	_

## WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

TIL TYPE: $0il$ / $Gas$ $\times$ / Liquid Injection (If "Gas," Production $\times$ / Underground	/ Wast and Storag	e Disposal e/ Deep	/ / Shal	llow_x/)
OCATION: Elevation: 1177 Watershed	Short Run			
District: Centerville County Ty	ler	Quadrangle	West Uni	on 7.5
MPANY J&J Enterprises, Inc.				
2 Prov. 40 Buckhappon WV 26201	Casing	Used in	Left	Cement
DUNESS	Casing	Drilling		fill up Cu. ft.
P.O. Box 48, Buckhannon, WV 26201	Tubing	DETITING	TII METT	cu. Ic.
DURESS	Size 20-16			
URFACE OWNER David Glasure  OH 43938	Cond.	<del> </del>	0	0 sks.
DDRESS Rt. # 1, Mingo Junction, OH 43938	13-10"	30	0	U SKS.
INERAL RIGHTS OWNER Same as surface	9 5/8	1244 70	1244.70	270 sks
DDRESS	8 5/8	1244.70	1244.70	270 515
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7.			
Lowther ADDRESS Gen. Delivery Middlebourne, WV 26149	5 1/2			
PERMIT ISSUED 6/3/85	4 1/2	5156.70	5156.70	220 sks
DRILLING COMMENCED 7/29/85	3			
DRILLING COMPLETED 8/4/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON			·	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
CN				
GEOLOGICAL TARGET FORMATION Alexander		De	pth 5310	-40 <b>fee</b>
Depth of completed well 5651 feet	Rotary	×/ Cab	le T∞ls_	
Water strata depth: Fresh 110,124feet;	Salt	0 fee	t	
Coal seam depths: None	Is coa	l being mi	ned in th	me area? No
War seam depuis. None				
OPEN FLOW DATA	_	3 -		40 <b>.</b>
Producing formation Benson	P	ay zone de	pcn_3030-	<u> </u>
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	u itom	BDL
Combined Final open flow 440 Mcf/d	F	inal open	flow_	RDT
Time of open flow between in	itial and	final test		hours
Static rock pressure 1600 psig(surf		rement) aft	ter 96 h	ours shut
(If applicable due to multiple completi	on)	_	- 462	c co =
Second producing formation Riley	1	Pay zone d	epth 4630	<u>3-62</u> te
Gas: Initial open flow Mcf/d	Oil:	Initial op	en flow_	Bb1
Final open flowMcf/d	oil:	Final open	flow	Bbl
Time of open flow between in	nitial and	final tes	ts	hours
Static rock pressurepsig(surfa	ace measur	ement) aft	er1	ours shut
	OFR 4 C -	oor (Con	Himup on	roverse s

FORM 1V-35 (REVERSE)

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

Riley: Perforations: 4636-38 (6 holes) 4644-45 (4 holes) 4660-62 (6 holes)

Fracturing: 100 sks. 20/40 sand: 500 gal. acid.

Benson: Perforations: 5038-40 ( 8 holes)
Fracturing: 400 sks. 20/40 sand: 409 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS  $(0.684)(4838)(0.9)_{=1600 \times 2.72}^{0.1}_{=1600 \times 1.1}$ 

Pf= 1760 psi

## WELL LOG

			REMARKS			
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including i	ndication of ter, coal, o		
Clay	0	3	· · · · · · · · · · · · · · · · · · ·			
Sandy shale & sand	3	30				
Shale, red rock & sandy shale	30	120	¼" stream	@ 110 <b>'</b>		
Sand & sandy shale	120	220				
Red rock & shale	220	245	្នា" stream	@ 1244'		
Sand, shale & red rock	245	395				
Sand, shale & red rock	395	440	Gas ck @	2292 No show	•	
Sandy shale & red rock	440	785			بالمثن . الأنافق	
Sand & shale	785	970	Gas ck @ :	Drill collars	14/10-1"	
Red rock, shale & sandy shale	970	1200 `		w/wate:	r	
Shale & sandy shale	1200	1600		28,277 c	u.ft.	
Sand & sandy shale	1600	2035				
Big LIme & INjun-Gekar for	2035	2230	14 care 4 c 24	Charles & March		
Sandy shale & sand	2230	2485		San	2000	
Sandy shale	2485	2900	ropition in	A Company The Art A	The ettern	
Shale & sand	2900	3275		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Shale & sandy shale	3275	3595	Lui raia.	4 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1200	
Sandy shale & sand	3595	4636	Journ	** 5 * *\$ , \$	350	
Riley	4636	4662			** * ***	
Shale & sandy shale	4662	5038	througha.	\$ 2.50	270	
Benson V	5038	5040	fricast 200 t	ران الماني ا		
Sandy shale	5040	5310	1	· · · · · · · · · · · · · · · · · · ·		
Alexander	5310	5340				
Sandy shale	5340	(5651 <sub>p</sub> ).D.				
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(Attach separate sheets as necessary)

Robert Dahlin-Geologist 9/5/85

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:	April	29	, 19 <u>85</u>
2) Operator's Well No.	J-119	4	
3) API Well No.	47	-095-1106	
5, 111 1 1 0 1 1 1 1 1	State	County	Permit

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

OIL & GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

								( Book	( Shallaw X )
	-	f "Gas", P			,	_ •	torage		$\begin{array}{c} / \text{ Shallow } \underline{X} / \\                                  $
5) LOCATION	N: Ele	vation:			·····	_ Watershed:	Short Run		
			Center			County:	Tyler	Quadrangle:	
<li>6) WELL OPE</li>	ERATOR_		<u>J_Ent</u>		ıses	Inc. 427		AGENT RIC	hard Reddecliff . Box 48
Address			Box		<u>d</u>	7130	Address		
			khanno	-	V 262				khannon, WV 26201
8) OIL & GAS							9) DRILLING C		
Name		bert L					Name	S.W. Jack Dr	illing to.
Address	Ge	neral	Delive	ry		the the same of th	Address	P.O. Box 48	
	_Mi	ddlebo	urne,	WV 2	6149			Buakhannon,	
0) PROPOSE	D WELL	WORK:	Drill	Χ	/ Drill	deeper	/ Redrill	/ StimulateX	/
10, TROI 002				f old f	ormatior	/ Perfora			T.
			-			n well (specify)			
1) GEOLOGI	CAL TAD	CET FOR	_		Alexa				
					5600'	feet			
12) Estima	=				150'	feet; salt	N/A	feet.	
13) Appro		-			N/A			e area? Yes	/ No X
14) Appro					N/A	Is cos	ai being mined in in	e area? I es	
15) CASING A	ND TUB	ING PROC	GRAM					•	1.
CASING OR	I	SPEC	IFICATIONS	;		FOOTAGE I	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	/ For drilling	// Left,in well	(Cubic feet)	<u> </u>
Conductor	11 3/4	4 H-40	42	χ		725'38'	4270	0 Sacks To	Skindy rule Wil
Fresh water	8 5/8	ERW	23	Х		1777'	1777'	To Surface	/ /
	8 5/8	ERW	23	X		1777'	1777'	To Surface	Sizes
Coal	0 3/0	ENM	23			111		10 001 1000	
Intermediate	A1	1, 55	10 г	X	<u> </u>	ייויםמסמיניי	#39/43/\#	300 sacks	Depths set
Production	41/2	J <b>-</b> 55	10.5	X		#3993#			#
Tubing	<b> </b>		ļ			5600 <b>'</b>	5550'	for as requir	ed by rule 15-01
Liners	<b> </b>	<b>_</b>	<u> </u>						Perforations:
	<b> </b>		ļ	ļ	ļ			<del></del>	Top Bottom
	<b></b>	<b></b>	<u> </u>		<u> </u>				
		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			1
						OFFICE USE	ONLY		
						DRILLING PE	RMIT		
									7 2 19 05
Permit number_	47-0	095 <b>-</b> 110	)6			-		Davi	June 3 19 85
								Da	
This permit cov	ering the v	well operate	or and we	ll locati	on show	n below is evidence	of permission gran	ted to drill in accordar	nce with the pertinent legal re-
quirements subj	ect to the	conditions	contained	nerein :	and on t	ne reverse nereor. No	ourication must be In addition, the	given to the District Oi well operator or his cor	l and Gas Inspector, (Refer to ntractor shall notify the proper
district oil and	as inspect	or 24 hour	s before a	ctual pe	ermitted	work has commence	ed.)		
								to any modifications a	and conditions specified on the
reverse hereof.	vork is as	iescribea ii	i the Noti	e and A	ъррпсан	on, plat, and recian	ation plan, subject	to any mountainess t	and conditions specified on the
Permit expires	Jun	e 3, 19	987			unless wel	l work is commence	ed prior to that date and	prosecuted with due diligence.
remit expires		<u> </u>						- F	
ſ									
Bond:	Age	nt:	Plat:	Casi	ng	Fee	$\supset$		4
82	A11	3 / Y	211	<i>i</i>	11/1	974	///		7
104	<u>/                                    </u>		110	7/)	1 11	· · / ·	ry In	allet il	Lasse .
						+	1 100	ministrator, Office of	Oil and Gas
NOTE II		_ C Abi=		at tha	drillina 1	ocation	A)di	ministrator, Office of C	on and Cas
NOTE: Keep	one copy	of this pern	nit posted	at the	urinng l	ocation.	( )	/	File
			41		- C 4b - A	DDI ICANTIS COD	V for instructions t	a the well aperator	