



IV-35 (Rev 8-81)

WELL TYPE:

NECETVED JUN 0 5 1987

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY State of Mest Birginia

Bepartment of Mines Gil and Gas Bivision

Date .	June 4, 1987					
Operator's						
Well No. JK-1319						
Farm <sub>F</sub>	Roger Dotson					
API No. 47						

. WELL OPERATOR'S REPORT

OF

/ Gas x / Liquid Injection / Waste Disposal /

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

				lon_x_/ Under	-				o/ Sha	1104 <sup>X</sup> /)
OCAT:	ION:	Elevation:	1087	Watershed	i	Yeager	Run			
		District:_	Clay	County	Rito	chie .	C	Quadrangle	e Pennsb	oro 7.5
~~~~		TCT Date								
		J&J Enter	****	nnon, WV 26201	- ,				<u> </u>	15 .
					-	Casing	3	Used in	Left	Cement fill up
				cins III	-	Tubing	3	Drilling	in Well	Cu. ft.
				on, WV 26201	_	Size 20-16	1			
	CC T	Roger	Dotson 2644	10	-	Cond.		- haplan Santon Jackson, again, again		
		ollgate, Wes			-	13-10'	"	30	0	0
ADDRE	•	TUID OWITER	Same as st	iriace		9 5/8				
		2 TAICHECTTOR	באום חעדפ	LYDDY		8 5/8		1250.45	1250.45	280 sks.
Hei Hei	rsman	DODDCC NOTACION	P.O. Box 6	WORK <u>Samuel</u> 66 2, WV 26178		7				
DEDMI	יי דככי	ADDAESS	Smithville	e, WV 26178		5 1/2				
DDTT T	TNC O	OMMENCED	<i>f</i> /0 /07	· · · · · · · · · · · · · · · · · · ·	_	4 1/2	•	5345.15	5345.15	290 sks.
		OMPLETED			<del></del>	3				
		BLE: PLUGG	4 2 1			2				
ГІИ	NUOUS		N FROM DR	ILLING OR		Liner				
GEOLC	GICAL	TARGET FOR	MATION	Alexander	<del></del>	-		Dep	th 5194-52	14 fee
	Depth	of complet	ed well	5527 fe	et F	Rotary			e T∞ls	
				h <sup>310</sup> <sub>1580</sub> fe				feet	********	
				770						e area? <sub>No</sub>
OPEN	FLOW							2		<u> </u>
			ion Alex	ander			D	aces des	th <b>(</b> 5194-5	214
		Initial of					_	_	***************************************	
		_		6) Mcf				al open f		Bbl/
				low between						Bb1/
	Stati	c rock pres	ssure 14	psig(su	refor			nai tests	4 DC	XIIIS
	(If a	pplicable d	lue to mul	tiple comple	tion	i neasu	щен	enc, arte	T .30 1100	us sinc 1
				n Benson &			Dav	zona dor	4910-1 oth 4424-	12 
				Mcf			_			
• .				Mcf						
				low between						
	Stati	ic rock pre	ssure	psig(sur	face	אנם אייי	- Eme	ent) after		
	•	•			ت ب د د	cusui	. UIC	in alles		422 3384 i

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

Alexander: Perforations: 5194-5214 (14 holes)
Fracturing: 425 sks. 20/40 sand: Foam frac.

Benson: Perforations: 4910-12 (6 holes)

Fracturing: 350 sks. 20/40 sand: 500 gal. acid.

Riley: Perforations: 4424-4525 (11 holes)

Fracturing: 200 sks. 20/40 sand: 500 gal. acid.

BOTTOM HOLE PRESSURE Pf=PweXGLS

t =60 +  $(0.0075 \times 5345)$  +459.7=560 X=53.35 x 560 =29869 =0.000033 Pf=1400 x 2.72 (0.000033)

 $(0.661) (4819) (0.9) = 1400 \times 2.72$  0.1 = 1400 x 1.1

Pf=1540 psi

## WELL LOG

	-	•	
FORMATION COLOR WIND OR CORR			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
			and salt water, coal, oil and
Fill	0	5	
Sand, shale & red rock	5	168	\ •
Sand & shale	168	670	½" \stream @ 1580'
Sand, shale & red rock	670	<sup>.</sup> 768	
Coal .	768	770	Oil @ 1855
Shale & red rock	770	905	•
Red rock & shale	905	1029	_Gas ck @ 3508 No show
Sand & shale	1029	1185	
Sand & sandy shale	1185	1652	Gas ck @ 4469 No show
Shale & sand	1652	1895	
Big Lime	1895	1993	Gas ck @ 4469 No show
Sand & shale	1993	2239	1.0 D.1.0 W
Sandy shale	2239	2889	Gas ck @ 4936 No show
Sand & shale	2889	3198	and on a 1930 No blow
Sand & shale	3198	4424	Gas ck @ 5309 No show
Riley	4424	4525	Sab Ch & 3303 No Bllow
Sand & shale	4525	4910	Gas ck @ collars 2/10-1" w/wat
Benson	4910	4912	14.90 cu.ft.
Sand & shale	4912	5194	14.50 Ca.1C.
Alexander	5194	5214	, •
Sandy shale	5214	5527	
		T.D.	
		1.5.	
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			WIN 0 5 100%
Signification of the control of the			33 JUN 0 5 1987
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And the second s			DIVISION OF OIL & GAS
			DEPARTMENT OF ENERGY
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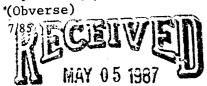
(Attach separate sheets as necessary)

J&J Enterprises, INc.

6/4/87

Robert Dahlin - Geologist

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."





) Date:	May 1	, 19 87
Operator's	טוכו עו	

3) API Well No.

JK - 1319 47 085 State County

7650 Permit

## STATE OF WEST VIRGINIA

	1			ARTM	IENT OF	ENERGY, OIL	AND GAS DIV	ISION	į	
DIVISION	OF OIL	& GAS		AI	PLICATION	ON FOR A WELL	WORK PERMIT			r 1-475
DEPARTME	NT OF E	NERGY	•	*****				•	E man	
4) WELL TY			/ Ga	ıs>		•			and the second	
•	B (I	f "Gas", I	Production	. <u> </u>	<u> </u>	/ Underground sto	orage	/ Deep	/ Shallow	X/)
5) LOCATIO	•	vation: _	1007		٠.	Watershed:	Yeager R	un.		
5, 200.1119		trict:	Clay		7	County:	Ritchie/	Quadrangle: _	Pennsbo	oro 7.5' S
6) WELLOD					S CODE		DESIGNATE	AGENT _Richa	rd M. Red	decliff
•		P.O. E		21.135		*	Address		Box 48	* b. 34 bd. b. b. b. b. b.
Address				1./\/	26201		Address			<i>L</i> 26201
					<u> </u>		, prii i inic c		aimon , w	20201
8) OIL & GA						9	) DRILLING C		ν Dvilliπ	na Co
Name		Samue]		lian		<del></del>	Name			ig co.
Address P.O. Box 66 Address P.O. Box 48 Smithville, WV 26178 Buckhannon,									1 26201	
	1	Smith	<u>/111e,</u>	WV	26178	<del></del>				/ 26201
10) PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	deeper	_/ Redrill	/ Stimulate	X/	
•			Plug of	f old f	ormation_	/ Perforat			31	
			Other p	hysical	change in	well (specify)		-		
11) GEOLOG	CAL TAR	GET FOR								
12) Estima					700	feet			R P	
13) Appro	vimata trat	a denther	Frech				N/A	feet.	1	
13) Appro	Milliale II al	a ucpuis.			1/Δ		•	e area? Yes	/ No_	χ ,
					1/	13 COA1	ocing innica in th	carca: res		Δ
15) CASING	WD IORI							21		
CASING OR TUBING TYPE		SPEC	IFICATIONS  Weight	S .		FOOTAGE IN	TERVALS	OR SACKS	PAC	KERS
TOBING TIFE	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
Conductor	113/4	H-4C	42	X.		30'	01	0 Sacks	Kinds	
Fresh water	8 5/8	FRW	23	χ		12371	12371	To Surface	By Rule	15.05
Coal	8 5/8		23	X		1237'	1237'	To Surface		Rule 15.05
Intermediate	1 373								1	
	41/2	J-55	10.5	X		5700 <b>'</b>	5600 <b>'</b>	By Rule 15.	Denths & VE	25600510
Production	4-2	0-33	110.5	<del>  ^-</del>	f   -			Thy Nuite in.		
Tubing	<del> </del>	<del> </del>	<del>                                      </del>	<del> </del>	<del>  </del>			1	Perforations:	
Liners	<b> </b>	<del> </del>	ļ	<del> </del>	<del>  </del> -				<del>                                     </del>	
	<b> </b>		<del> </del>	<del> </del>	<del>                                     </del>			_	Тор	Bottom
	<u> </u>	ļ ————	<u> </u>	<b> </b>	<del>  -</del>			<b>-</b>	+	
	1	L	<u> </u>	<u> </u>	ll.			_1	4	
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						FFICE USE O				· · · · · · · · · · · · · · · · · · ·
					D	RILLING PER	RMIT		_	0.7
	1.7-	-085-76	550				•	Ma	y 5	19 87
Permit number		003 7						Da	ite	
							c		1	antimont local ro
This permit cov	ering the w	ell operations	or and we	II IOCALI herein	on snown i and on the	reverse hereof Notice	i permission gran	ted to drill in accorda	l and Cas Insp	cotor (Pofer to
Vo. 8) Prior to the	he construc	tion of ros	ds. locati	ons and	pits for an	y permitted work.	In addition, the	iven to the District Oil well operator or his co	ntractor shall r	notify the proper
district oil and	gas inspecto	or 24 hour	s before a	ctual p	ermitted wo	ork has commenced	.)			
The permitted v	vork is as d	escribed i	the Notic	e and	Application	. plat, and reclama	tion plan, subject	to any modifications	and conditions	specified on the
reverse hereof.	VOIR IS AS U	escribed ii	1,1110 11011		-ppou	, ,,			14	. •
Permit expires	Ma	ay 5,	1989			unless well v	work is commence	d prior to that date and	1 prosecuted w	ith due diligence.
1 Classic Carpinos	1 1								. 7	
		$\neg$							·	
Bond:	✓ Agent	[   كبخ	Plat:	Cas	prg F	ee WACE	S&E	Other /		•
			77	18	> 21	65 0	7   1/2/5	// ///		1
1	!		~	7 7			77 2	<del>- / /</del> /		
	9					6	1/2/2	1911		
NOTE		f .h!	nie markad	at the	trilling loca	tion ==	100	Jagget Ma		
NOTE: Keep	one copy o	i inis pern	nn posted	at tile (	THUMB TOCS		rector, Dr	utsion of Oil	and Gas	File
····		See	the rever	se side (	of the APP	LICANT'S COPY	for instructions t	o the well operator.		