



DIVISION OF OIL & GAS
DEPT. OF ENERGY



## State of Mest Airginia

Bepartment of Mines Gil und Gas Bivision

	Date December 9, 1985							
Operator's								
Well No								
Farm	Roy	Meredith						
API No.	47	095	1119					

. WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1109 Watershed				
District: Centerville County Tyle	r	Quadrangle	West Ur	nion 7.5
CMPANY J&J Enterprises, Inc.				
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	<b>Left</b>	Cement fill up
FSIGNATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	Cu. ft.
DDRESS P.O. Box 48, Buckhannon, WV 26201	Size			
SURFACE OWNER Roy A. Meredith	20-16 Cond.			
DDRESS Rt. # 1, Box 233, Washington, WV 26181	13-10"	12.60	12.60	0 sks.
INERAL RIGHTS OWNER Same as surface	9 5/8			
ADDRESS	8 5/8	1263 75	1263.75	270 sks
AND GAS INSPECTOR FOR THIS WORK Robert	7	1203.73	1203.73	1
General Delivery Lowther ADDRESS Middlebourne, WV 26419	5 1/2			
PERMIT ISSUED 10/28/85	4 1/2	5413.87	5413.87	380 sk
DRILLING COMMENCED 11/4/85	3	J31J.07	1 3413.07	
DRILLING COMPLETED 11/13/85	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used		-	-
GEOLOGICAL TARGET FORMATION Rhine Street		De	pth	fe
Depth of completed well 5976 feet	Rotary_	<u>x</u> / Cab	le T∞ls_	
Water strata depth: Fresh 445,681,feet;	Salt	2227 <sup>2</sup> fee	t	
Coal seam depths: None			ned in th	e area?_
OPEN FLOW DATA				
Producing formation Alexander	P	av zone de	<b>pth</b> 5283	-99 <b>f</b>
Gas: Initial open flow 1,302 Mcf/d				
Final man flow ? World				
Combined  Time of open flow between in				
Static rock pressure 1600 psig(surf				
(If applicable due to multiple completi			4585-	
Second producing formation Benson & Ri		ay zone de		
Gas: Initial open flow Mcf/d				
Final open flowMcf/d				
Time of open flow between in				
Static rock pressurepsig(surfa		ement) aft	er h	ours shu
		(Con	. tirue on	DEC 23 19
		lcon	viill UIL	1000100

FORM IV-35 (REVERSE)

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

Alexander: Perforations: 5283-85 ( 7 holes) 5297-99 ( 7 holes)

Fracturing: 400 sks. 20/40 sand: 529 Bbls. fluid.

Benson: Perforations: 4985-86 (8 holes)

Fracturing: 400 sks. 20/40 sand:500 gal. acid: 574 Bbls. fluid.

RIley: Perforations: 4585-86 ( 4 holes) 4587-88 ( 4 holes) 4604-06 ( 3 holes) 4614-16(8 holes) Fracturing: 430 sks. 20/ 40 sand: 500 gal. acid: 510 Bbls. fluid: Foam frac.

BOTTOM HOLE PRESSURE Pf=PweXGLS

 $t=60+(5414 \times 0.0075)+459.7=560.3 \times \overline{53.34T} = 53.34(560.3) = \overline{29886} = 0.0000334 \text{ Pf} = (1600)(2.72)$ (0.0000334)(.661)(4942)(0.9) Pf= $(1600)(2.72)^{(0.0982)}$ =(1600)(1.10)

Pf=1760 psi

## WELL LOG

•	•		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOITOM FEET	REMARKS Including indication of all francisco and salt water, coal, oil and
Top Soil	0	. 8	
Sand & sandy shale	8	215	ל" stream @ 681'
Sand, sandy shale & red rock	215	620	
Sand & sandy shale	620	995	l" stream @ 1565
Sandy shale & sand	995	1225	
Sand & sandy shale	1225	1375	l" stream @ 2227 .
Sandy shale & sand	1375	1860	_
Sand & Sandy shale	1860	1925	-Gas ck @ 3501
Little lime	1925	1950	40.83 cu.ft.
Sandy shale	1950	1960	
Big Lime	1960	2030	Gas ck @ 5078 6/10-2" w/water
Sand & sandy shale	2030	2325	103,000 cu.ft.
Sand & sandy shale	2325	3485	
Sandy shale	3485	4585	Gas ck @ collars 10/10-2" w/wa
Riley ·	4585	4616	133,000 cu.ft.
Sandy shale	4616	4985	1
Benson	4985	4986	
Sandy shale	4986	5283	
Alexander	5283	1	
Sandy shale	5299	5299 5076	•
	3299	5976 T.D.	
Top Dev \$ 2530'		1	
71- 2030		Brather Brather	
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-			
			·
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•	-		
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(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

12/9/85

Daniel F. Stark - Asst/G**eo**logist

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 swountered in the drilling of a well."

7/85



1)	Date: 30	ctober	14	 <u>, 85</u>
2)	Operator's	1K_1244		

2) Operator's JK-1244
Well No. <u>47 - 095 - 1119</u>
State County Permit

CT 28 1985 STATE OF WEST VIRGINIA

CT 28 1985 SEPARTMENT OF ENERGY, OIL AND GAS DIVISION

	DIVISIO	N OF O	1L & GA	S AF	PPLICATI	ON FOR A WE	LL WORK PERMIT	<u></u>		
4) WELLTY	EPART	MENT C	F ENEF	RGY .	<b>x</b> /					
4) WEEE 114		f "Gas", I			X	/ Underground	d storage	/ Deep	/ Shallow	X /)
5) LOCATIO	N: Ele	vation:	1109 <b>'</b>			Watershed:	Big Run			//
		trict:					Tyler	Quadrangle:	West Unio	n 7.5'
6) WELL OP				ses,	_Incode	: <u>24150</u>	7) DESIGNATE	DAGENT <u>Richar</u>		ecliff
<b>Ad</b> dr <b>e</b> ss		P.O. B			06001		Address	P.OB		
		Buckha	-		26201				nnon, WV	26201
8) OIL & GA				FIED			9) DRILLING C			
Name Address		ert Lo eral D		• • • • • • • • • • • • • • • • • • • •			Name	S.W. Jack Dri P.O. Box 48		
Address		d]ebou			6419		Address	Buckhannon.		1
10) PROPOSE			•	v	/ Drill	deeper	/ Dadeill		X /	4
io, i koi ost	D WELL	WORK.			ormation_		orate new formation			
			_			well (specify)	orace new rormation	/		
11) GEOLOGI	CAL TAR	GET FOR			hine S				_	
12) Estima	ted depth o	of complete	ed well,		995'	fec	et .			
13) Appro	ximate trat	a depths:	Fresh, _	1	<u> 25'</u>	feet; sa	ılt, <u>N/A</u>	feet.		
14) Appro	ximate coa	l seam dep	ths:		N/A	ls c	coal being mined in th	e area? Yes	/ No	X/
15) CASING A	ND TUBI	NG PROC	GRAM							
CASING OR TUBING TYPE		SPEC	IFICATION! Weight	<b>S</b>	1	FOOTAGE	E INTERVALS	CEMENT FILLUP	PACKE	ERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor	H1	4 H-40		X_		250 30	2500	O Sacks	This by	rules
Fresh water	,,	B ERW	23	_X_		1709'	1709'	To Surface		
Coal	<b>₽ 5/</b>	B ERW	23	X		1709'	1709'	To Surface	Sizes	
Intermediate					╂					
Production	41/2	J-55	10.5	X		59951	5945'	300 Sacks d		
Tubing Line	<b> </b>		<del> </del>	<b></b>				as required		15-01
Lanc.	<b> </b>			<del> </del>					Perforations:	
	#		l	<b></b>				1	Тор	Bottom
			<u> </u>			***				
	***************************************			•	<u> </u>				1	
					C	FFICE USE	ONLY			N*************************************
					D	RILLING P	ERMIT			
Permit number_	47-	095-1	119					October 28		<sup>19</sup> 85
								Dat	e	85_
This permit cove	ring the w	ell operato	or and wel	l locatio	on shown t	oelow is evidence	e of permission grant	ed to drill in accordan	ce with the pert	inent legal re-
quirements subjects to the	ect to the co	onditions of	contained	herein a	nd on the	reverse hereof	otification must be g	iven to the District Oil sevell operator or his con-	and Gas Inspect	or. (Refer to
district oil and g	as inspecto	r 24 hours	before a	ons and ctual pe	rmitted wo	y permitted work ork has commend	ced.)	ven operator or his con-	ractor shall not	ify the proper
The permitted w	ork is as de	escribed in	the Notic	e and A	pplication	, plat, and reclai	mation plan, subject	to any modifications as	nd conditions sr	secified on the
reverse hereof.					••				_	
Permit expires _	0010	ober :	28, 1	987		unless we	ell work is commence	d prior to that date and	prosecuted with	due diligence.
T	_			<del></del>		<b>————</b>	· · · · · · · · · · · · · · · · · · ·			
Bond	Agent	P	lat:	Casi	ng F	ee WPC	P S&E	Other		
		I	ml	m.	11 3	191 0			4	
L	· · · · · · · · · · · · · · · · · · ·		11191		2 0	//6	4		21	
// Mucanit ) x lasso										
NOTE: Keep one copy of this permit posted at the drilling location.  Director, Division of Oil and Gas										
	-								allu Gas	File
		See	the revers	e side o	f the APP	LICANT'S COF	Y for instructions to	the well operator.		