



:V-35 ≥v 8-81)

State of Mest Birginia

Bepartment of Mines Gil und Gas Bivision

Date	December 18, 1	.985							
Operato									
Farm Roy MEredith									
API No	. 47 - 095 -	1120							

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1186 Watershed B	ig Run			
District: Centerville County Tyle	r(Quadrangle	west uni	on 7.5
OMPANY J&J Enterprises, Inc.				Cement
DDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in		fill up
ESIGNATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	Cu. ft.
DDRESS P.O. Box 48, Buckhannon, WV 26201	Size			
JURFACE OWNER Roy A. Meredith	20-16 Cond.	·]		
DDRESS Rt. # 1, Box 233, Washington, WV 26181	13-10"	30.40	30.40	0 sk s.
MINERAL RICHTS OWNER Same as surface	9 5/8			
ADDRESS	8 5/8	1347.60	1347.60	290 sks
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7			
Lowther ADDRESS General Delivery Middlebourne, WV 26181	5 1/2			
PERMIT ISSUED 10/28/85	4 1/2	5467.20	5467.20	275 sks
DRILLING COMMENCED 11/5/85	3			
DRILLING COMPLETED 11/21/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			_
REWORKING. VERBAL PERMISSION OBTAINED ON	سامح			
GEOLOGICAL TARGET FORMATION Rhine Street		De	pth	fe
GEOLOGICAL LARGEL TOTAL	Rotary :	c_/ Cab		
Water strata depth: Fresh 690 feet;				
Coal seam depths: None	_	l being mi	ned in th	ne area?_
Coal Seam depuis				
OPEN FLOW DATA	_	9.		72 .
Producing formation Alexander	P	ay zone de	ptn - 5358	-/3 II
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	su itom	BD
Combined Final open flow 1,143 Mcf/d	·	inal open	I TOM	
Time of open flow between in	itial and	final test	CS 4	nours
Static rock pressure 1650 psig(surf			ter 96 n	ours snuc
	on)	_		64 - 95
(If applicable due to multiple completi	lov i	eay zone d	epth Love	<u></u>
(If applicable due to multiple completi	iey .		-	
(If applicable due to multiple completion Second producing formation Benson & Ri Gas: Initial open flow Mcf/d	oil:	Initial op	en flow_	B
(If applicable due to multiple completion Second producing formation Benson & Ri Gas: Initial open flow Mcf/d Final open flow Mcf/d	Oil:	Final open	flow	Bl
(If applicable due to multiple completion Second producing formation Benson & Ri Gas: Initial open flow Mcf/d	Oil: 1 Oil: 1 Nitial and	Final open final tes	flow	hours

FORM IV-35 (REVERSE)

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

Alexander: 5358-60 (7 holes) 5371-73 (7 holes)

Fracturing: 450 sks. 20/40 sand: 500 gal. acid: 520 Bbls. fluid.

5064-65 (8 holes)

Fracturing: 400 sks. 20/40 sand: 500 gal. acid: 475 Bbls. fluid.

Riley: 4664-66 (3 holes) 4674-75 (6 holes) 4684-85 (4 holes) 4694-95 (6 holes) Fracturing: 500 sks. 20/40 sand: 500 gal. acid: 600 gal. acid.

BOTTOM HOLE PRESSURE Pf=PweXGLS $t=60 + (5467 \times 0.0075) + 459.7 = 560.7 \times \frac{1}{53.34} = (53.34)(560.7) = \frac{1}{29907} = 0.0000334$ Pf=(1650)(2.72) (0.0000334)(0.661)(5018.5)(0.9) $Pf=(1650)(2.72)^{(0.0997)}=(1650)(1.105)$

Pf=1823 psi

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fres and salt water, coal, oil and ga
Red rock	0	. 20	
Sandy shale & sand	20	288	
Sand & sandy shale	288	835	½" stream @ 690'
Sandy shale & red rock	835	1055	
Sandy shale & sand	1055	1595	Gas ck @ 2259 No show
Sandy shale & sand	1595	1740	
Sand & sandy shale	1740	2015	Gas ck @ 2507 No show
Little Lime	2015	2025	-
Sandy shale	2025	2040	Gas ck @ 3559 No show
Big Lime	2040	2115 `	
Sand & sandy shale	2115	2540	Gas ck @ 4705 No show
Sandy shale & sand	2540	3815	
Sandy shale	3915	4664	Gas ck @ 5076 No show
Riley	4664	4695	
Sandy shale	4695	5064	Gas ck, @ 5387 NO show
Benson	5064	5065	
Sandy shale & sand	5065	5358	Gas ck @ collars 4/10-2" w/wate
Alexander	5358	5373	84,000 cu.ft.
Sandy shale & sand	5373	5667	1
	. 3373	T.D.	Top Dev 2 2630'
		Prinest @	TD
		Alexander	`
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(Attach separate sheets as necessary)

J&J Enterprises, Inc.

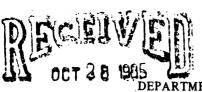
Well Operator

Date:

Daniel F. Stark -Geologist

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including invil, encountered in the drilling of a well.

7/85





STATE OF WEST VIRGINIA

1)	Date: October 14	19_85
2)	Operator's	

JK-1245 Well No.

3) API Well No. 47 - 095-1120
State County County

Permit

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION DIVISION OF OIL & GAS APPLICATION FOR A WELL WORK PERMIT

Ĺ	EPARTI	MENT C	IF ENEF	≀GY						
4) WELL TYP		il	/ Ga	s - X						
		f "Gas", F				_/ Underground	storage	/ Deep	_/ Shallow	<u>X/)</u>
5) LOCATION		vation:			- 4 tm	_ Watershed: .	Big Run			
					e 407				West Union	
	ERATOR_					E: <u>24150</u>	7) DESIGNATEI	AGENT Richar		cliff
Address			Box 48		00001		Address	P.O. B		
			_		26201			Buckha	unnon, WV	26201
8) OIL & GAS							9) DRILLING CO			
Name		bert_L			·	***************************************	Name	S.W. Jack Dr	rilling Co.	
Address		neral_			06410		Address	P.O. Box 48		
	M1	ddlebo	•	.,	26419			Buckhannon,		
0) PROPOSE	D WELL	WORK:			_/ Drill		/ Redrill		<u>X</u>	
							orate new formation	/		
						well (specify)				
1) GEOLOGI								<u> </u>		
12) Estima	ted depth (of complete	ed well,		5995.	fee				
13) Approx						feet; sa	lt, <u>N/A</u>	fect.		
14) Approx					N/A_	Is c	oal being mined in the	area? Yes	/ No	X/
5) CASING A	ND TUBI	NG PROC	GRAM							
CASING OR TUBING TYPE	1	SPEC	IFICATIONS	i	li	FOOTAGE	INTERVALS	CEMENT FILLUP	PACKERS	;
TOBING TIFE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	,	
Conductor	11 3/	4 H-40	42	Χ		250 20	250 0	2 Sacks	TS hu	ruter
resh water	8 5/	B ERW	23	Х		1786'	1786'	To Surface		<u> </u>
Coal	8 5/	B ERW	23	Х		1786'	1786'	To Surface	Sizes	
ntermediate										
Production	41/2	J-55	10.5	Х		5995'	5945'	300 Sacks o	Depths set	
Tubing								as required		5-01
iners.									Perforations:	
									Тор	Bottom
									1 - 32	DOTTORI
					(OFFICE USE	ONLY	······································		
			***************************************			DRILLING P			······································	
	17-	095-1	120				00+	ohom OO		0.5
ermit number _		030 1	120					ober 28		19 85
his permit cove	ring the w	ell operato	r and wel	locatio	on chown	helow is evidence	of marminsion assur	Dar ed to drill in accordar		
uirements subje	ct to the c	onditions of	ontained	nerein a	and on the	reverse hereof	tification must be a	ven to the District Oil	ice with the pertin	ent legal re-
								ell operator or his con	and Gas inspector itractor shall notify	. (Refer to y the proper
						ork has commend				
he permitted we	ork is as d	escribed in	the Notic	e and A	Application	n, plat, and reclar	nation plan, subject t	o any modifications a	nd conditions spec	ified on the
everse hereof.	Oot	aham (00 1	007		•				
ermit expires _	<u> </u>	ober_	40, 1	987		unless we	ell work is commenced	l prior to that date and	prosecuted with di	ie diligence.
			1							
Bond	Agent	P	lat:	Casi	ng F	ee WPCI	S&E	Other		
		12	mul.	m	110	097				
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OTE: Keep o	ne convict	this norm	it posted s	it the d	rilling loss	ation 2	, mg	www.	Mase	<u> </u>
	сору о	-ins perm	n posicu i	c u			Director, Dir	rision of Oil	and Gas	File
		See	the revers	side o	f the APP	LICANT'S COP	Y for instructions to	the well operator.		