

-35 , 8-81)

Sinte of West Birginia

Bepartment of Mines Bil und Gas Division

Date	September 20, 1985					
Operator Well No		JK-12	ည် 212			
Farm (Cottr	i11 _.				
API No.	47 -	- 095		1110		

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

I TYPE: Oil / Gas × / Liquid Injection (If "Gas," Production × / Undergrou	/ Wast nd Storag	ce Disposal ge/ Deep	/ / Sha	llow <u>x</u> /)
CATION: Elevation: 1149 Watershed H District: Centerville County Tyle		Ouadrangle	Pennsbor	
District.				
MPANY J&J Enterprises, Inc.				
DRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement fill up
SIGNATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	
DRESS P.O. Box 48, Bucknannon, WV 26201	Size			
RFACE OWNER Virginia Cottrill	20-16 Cand.	1		
DRESS 902 Tygart St. Parkersburg, WV 26101	13-10"	239.85	239.85	125 sks.
NERAL RIGHTS OWNER Same as surface	9 5/8			
DRESS	8 5/8	1765.65	1765.65	125 sks.
IL AND GAS INSPECTOR FOR THIS WORK Robert	7			
Lowther ADDRESS Gen. Delivery Middlebourne, WV 26149	5 1/2			
ERMIT ISSUED 7/17/85	4 1/2	5443.55	5443.55	275 sks.
RILLING COMMENCED 8/23/85	3	13443.33	13113133	100000
RILLING COMPLETED 8/29/85	2			
F APPLICABLE: PLUGGING OF DRY HOLE ON				
ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED	Liners used			
N				
POLOGICAL TARGET FORMATION Rhine Street		Der	oth	fee
Depth of completed well 5991 feet	Rotary_	<u>×</u> / Cabl	le T∞ls_	
Water strata depth: Fresh100,1375 feet;	Salt 0	feet	=	
Coal seam depths: 195-98	Is coa	l being mir	ned in th	e area? N
OPEN FLOW DATA				
Producing formation Alexander	P	ay zone de	oth 5294-	5302 f ee
Gas: Initial open flow Mcf/d				
		inal open		
Time of open flow between ini				
Static rock pressure 1750 psig(surfa				
(If applicable due to multiple completio	n)		4601-	20
Second producing formation Benson & Ril	ey I	Pay zone de		
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between ini	itial and	final test	:s	hours
Static rock pressurepsig(surface	se measur	ement) afte	er h	ours shut

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

Riley: Perforations: 4601-05 (8 holes) 4626-28 (8 holes)

Fracturing: 300 sks. 20/40 sand: 500 gal. acid: 526 Bbls. fluid.

Benson: Perforations: 5001.5 - 03.5 (8 holes)

Fracturing: 300 sks. 20/40 sand: 500 gal. acid: 289 Bbls. fluid.

Alexander: PErforations: 5294-5302 (16 holes)

Fracturing: 300 sks. 20/40 sand: 394 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS 1 $t=60 + (0.0075 \times 5444) + 459.7 = 561 \times = \frac{1}{53.35 \times 561} = \frac{1}{29929} = 0.000033$ Pf= 1750 x 2.72 0.00 $(0.750)(49.52)(0.9) = 1750 \times 2.72^{0.1} = 1750 \times 1.1$

1925 psi

WELL LOG

_		I		REMARKS
FORMATION (COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fre
				and salt water, coal, oil and g
Top SOil		0	5	
=	and stone	5	80	Damp @ 100'
Red rock	& shale	80	195	Edilip 6 100
Coal		195	198	ኒ" stream @ 695'
Red rock,	sand & shale	198	330	· Jezediii e 093
Sand & sh		330	685	½" stream @ 1375
Sand, sha	lle & red rock	685	1015	
Sand & sh	ale	1015	1360	Gas ck @ 2203 No show
Sand & sh	nale	1360	1620 -	320 311 € 2230 110 511011
Sand, sha	le & black shale	1620	1825	Gas ck @ 2513 No show
Sand & sh	ale	1825	1900	
Sand, sha	le & black shale	1900	1925	Gas ck @ 3538 10/10-1 w/water
Sand & sh	ale	1925	1970	44,500 cu.ft.
Sand & sh	ale	1970	2005	,
Little Li	me	2005	2015	Gas ck @ 4718 16/10-2" w/water
Lime & sh	ale	2015	2030	169,000 cu.ft.
Big Lime		2030	2050	
Big Injun	1 GBR 4 FO.	2050	2155	Gas ck @ 5090 80/10-1" w/water
Sand & shale		2155	2670	94.26 cu.ft.
Sand & shale		2670	3095	
Sand & sh	Sand & shale Sand & shale		3500	Gas ck @ 5370 90/10-1" w/water
Sand & sh			4601	99.99 cu.ft.
Riley		4601	4628	
Sand & sh	nale	4628	5001.5	
Benson		5001.5	5003.5	
Sand & sh		5003.5	5294	
Älexander		5294	5302	}
Sand & sh	nale	5302	5991	
mu to a che	2-10-10-12		T.D.	
top Hustonau			Rhinestreet	
J Dew MAGNI 2575 1190			(a) Th	
			(0) (1)	
Car Alberto S	3/65 1290			
ade.				
	300			
Konston adi	₹ \$ 65			

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator Robert Dáhlin-Geologist 9/20/85

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including

PORM IV-3(B) (Obverse) 7-83	FILL	E-COPY	
آ ف	JUL	9 198 5	



1)	Date:	June 3		₁₉ 85
2)	Operator's Well No	JK-1	212	
3)	API Well No.	47	-095-1110	····
		State	County	Permit

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

	C	می و نت	C C D D D		DEPA	RIMEN	T OF MINES, O	IL AND GAS DIVISION	DN	
	Dire	IL & GA	2 DIVIS	ION	Al	PPLICA	TION FOR A WE	ELL WORK PERMIT	•	
4)	WELL TY	PE: A O	FMI	NES	is)	(,				
-,				Production		(/ Underground	d storage	_/ Deep	_/ ShallowX
5)	LOCATIO			1149			Watershed:	11		/)
		Dis	strict:C	enterv	<u>ille</u>		County:	Tyler	Quadrangle:	Pennsboro 7.5'
6)	WELL OP	ERATOR_				ses,	Inc. 427	7) DESIGNATED	AGENT _ Rich	ard Reddecliff
	Address			<u>Box</u>			24150	Address		Box 48
				khanno		2620)1	•	Buck	nannon, WV 26201
8)	OIL & GA		tor to ert. Lo		FIED			9) DRILLING CO		Dud 111 day O -
	Name Address			winer eliver				Name		Orilling Co.
	Address	-		ne. WV	J	/ Q		Address	P.O. Box 4 Buckhannon	
10)	PROPOSE			Drill		_/ Drill	<u></u>	(B 1 '''		X /
10)	PROPOSE	D WELL	WORK:				-	/ Redrillorate new formation_	Stimulate	
							n well (specify)	orate new formation_		
11)	GEOLOGI	CAL TAR	GET FOR				Street 4	41		
	12) Estima				,	5995		et .		
	13) Appro	ximate trat	a depths:	Fresh, _		125'	feet; sa	ılt, N/A	feet.	
	14) Appro	ximate coa	l seam dep	oths:		N/A	Is c	coal being mined in the	area? Yes	/ NoX
15)	CASING A	ND TUBI	NG PRO	GRAM						
	ASING OR JBING TYPE	1	SPEC	CIFICATIONS Weight	6		FOOTAGE	E INTERVALS	CEMENT FILL-UP	PACKERS
		Size	Grade	per ft.	New	Used	Fon drilling	Left in well	OR SACKS (Cubic feet)	.
Con	ductor	1 3/4	H-40	42	X_		2500	40000	0-Sacks C	INES NEAT
	h water	\$ 5/8	ERW	23	X_		1749'	1749	To Surface	
Coal		\$ 5/8	ERW	23_	X		1749'	1749'	To Surface	Sizes
	rmediate	 		ļ <u></u>						
Tubi	duction	41/2	9-55	10.5	<u> </u>		5995'	5945'	300 Sacks	Depths set
Line									or as requi	red by rule 15-01
										Perforations:
			<u> </u>							Top Bottom
							OFFICE USE			
							DRILLING P	ERMIT		
Perr	mit number_	47	-095-1	110						July 17 19 85
									Dat	2
This	permit cove	ring the w	ell operate	or and wel	location	on showr	below is evidence	of permission granted	l to drill in accordan	ce with the pertinent legal re-
110.	e) riioi to ti	ne construc	cuon oi to	MOS, IOCALI	ons and	Dits for	any permitted wor	rk. In addition, the wel	en to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper
distr	rict oil and g	as inspecto	r 24 hour	s before a	tual pe	rmitted v	vork has commend	ced.)	a operator of mis con-	ractor shall notify the proper
The	permitted w	ork is as de	escribed in	the Notic	e and A	pplication	on, plat, and reclar	nation plan, subject to	any modifications ar	nd conditions specified on the
reve	rse nereor.		ly 17,							
Perr	mit expires _		- <i>y</i>				unless we	ell work is commenced p	prior to that date and	prosecuted with due diligence.
Γ		//							•	
В	lond:	Agen	t: .	Plat:	Casin	lg	Fee	, ,		
	1	MI	17	クロー	77	10	001		()	
									Jacke	∼
								Admin	istrator, Office of O	il and Gas
NO.	TE: Keep o	ne copy of	this perm	iit posted a	at the d	rilling lo	cation.		·	
			See	the revers	e side n	f the AP	PLICANT'S COP	Y for instructions to the	he well anerotas	File
								- · · · · · · · · · · · · · · · · · · ·	wen operator.	

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