

SEPT. OF MINES



onl & GAS DIVISION — Sinie of Mest Birginin

Beparlment of Mines Gil und Cas Zivision

Date	May 3, 1985	_
Operator Well No		
	McVicker	
API No.	47 - 001 - 0438	
	91-0438	

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMU	LATING, OR	PHYSICAL (HANGE	
YPE: Oil / Gas_x / Liquid Injection (If "Gas," Production X / Undergrou	_	Disposal_ / Deep_	/ Shal	.low_ ×/)
ION: Elevation: 1445 Watershed Tay: District: Knottsville County Tay:	lor ()uadrangle	Thornto	n 7.5
NY J&J Enterprises, Inc.				Cement
SS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	•	fill up
NATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	Cu. ft.
P.O. Box 48, Buckhannon, WV 20201	Size 20-16			
ACE OWNER Evelyn M. McVicker	Com.			0 sks.
ACE OWNER Rt. # 1, Box 221; Philippi, WV 26416	13-10."	30	0	0 523.
RAL RIGHTS OWNER Same as surface	9 5/8			270 sks.
ESS	8 5/8	1107.70	1107.70	270 525.
AND GAS INSPECTOR FOR THIS WORKDONALD	7			
Ellis ADDRESS 2604 Crab Apple Lane Fairmont, WV 26554	5 1/2		1 = 5.7.5	350 sks.
MTT ISSUED 10/12/84	4 1/2	5515	5515	330 3131
LLING COMMENCED 1/7/85	3	·		
LLING COMPLETED 1/17/85	2			
APPLICABLE: PLUGGING OF DRY HOLE ON VIINUOUS PROGRESSION FROM DRILLING OR WORKING. VERBAL PERMISSION OBTAINED	Liners used	2 * 12 To Asia		
		De	epth 536	60-84 feet
OLOGICAL TARGET FOR ATION Havert	Potary			
Depth of completed well - 5712 feet	- ROULY L. Calt		et	•
Water strata depth: Fresh 50 feet	Te m	al being m	ined in	the area? No
Coal seam depths: 365-70, 800-803				
EN FLOW DATA			ionth	fee
Producing formation Haverty		Pay zone d		U-84
Cas: Initial open flow Ncf/	d Oil:	Initial C		Bb1
Cas: Initial open flow 2,000 rcf.	/d	rinai ose	: II.	haurs
him of men flow between i	mudal ar	TIME C.	4_	
Static rock pressure 1400 psig(su	rface neas	urement) a	The Chi	066-82
in the due to multiple comple	tion)		1	201-03
Second producing formation 4th Elk, E	senson & Kile	eray zone	con flow	St. Jane L. Lyb Edministra
Second producing formation Second producing formation Gas: Initial open flow	:/d Oil:	nurar c	on flow	Eb.
Final open flow	E/d Oil:	rinar ob	octe	M&u2s) 1095
Time of open flow between	initial a	NO ITMAL D	-3 ·	banashut.

Static rock pressure _____psig(surface measurement) after ____ hours with its

· (Continue on reverse side

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

Haverty: Perforations: 5360-84 (12 holes)
4th ELk: Perforations: 5113-20 (14 holes)
Benson: Perforations: 4301-03 (8 holes)

FOAM FRAC

Riley: Perfroations: 4066-82 (14 holes)

BOTTOM HOLE PRESSURE Pf=PweXGLS $=60 + (5515 \times 0.0075) + 459.7 = 561 \times = 53.34 \text{ T} = 53.34(561) = 29923 = 0.0000334 \text{ Pf} = (1400)(2.72)$

0.0000334)(0.670)(4725)(0.9) Pf=(1400)(2.72) (0.095)=(1400)(1.1)

f= 1540 psi

WELL, LCG

4				REMAPKS
				Tarasian indication of all
FORMATION COLOR H	APD OR SOFT	TOP FEET	BOTTCH FEET	Including indication of all
				and salt water, coal, oil ar
Fill Sand Coal Sand		0 10 365 370 525	10 365 370 525 680	½" stream @ 50' Gas ck @ 2140 No show
Sand & shale White sand Coal Sand & shale		680 800 803 975	800 803 975 1340	Gas ck @ 3310 No show Gas ck @ 3800 No show
Red rock Big Lime & Injun Sand & shale Sand & shale Riley Sand & shale Benson Sand & shale 4th ELk Sand & shale Haverty Sand & shale		1340 2120 3266 4066 4082 4301 4303 5113 5120 5360 5384	2120 3366 4066 4082 4301 4303, 5113 5120 5360 5384 5712	Gas ck @ 4700 No show
	•		T.D. Brallier@	T,D.
			:	

(Attach separate sheets as necessary)

	J&J Enterpris	ses, Inc.
Wel	l Operator	
Bv:		
Date:	5/3/85	Daniel F. Stark - Geologist
		_

Note: Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic

1)	Date: Sep	otembe:	r	26		, 19	84
2)	Operator's Well No	B-610					
3)	API Well No.	47	_	091		0438	
		State		Cou	inty		Permit

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL TY	PE: A C	oil	/ Ga	ıs XX	<u> </u>				
	B (1	If "Gas",	Production	1 <u>X</u>	<u>X</u>	_/ Underground st	lorage	/ Deep	_/ Shallow <u>XX</u> /)
5) LOCATIO	N: Ele	evation: _	<u> 1445 </u>			_ Watershed: F	lag Run	MI	<u>Carl</u>
	Dis	strict:	Knotts	svil]	le .	County: Ta	ylor	Quadrangle:	Thornton 7½'
6) WELL OP	ERATOR.	Berry .	nergy U	onsul	tants &	Mgr's., inc.	7) DESIGNATE	DAGENT David	B. Berry
Address			Box 5		260-1	M. C. Lander	Address	P. O.	Box 5
			sburg,		26301			Clarks	sburg, WV 26301
8) OIL & GA				FIED		9	9) DRILLING C	ONTRACTOR:	
Name						· · · · · · · · · · · · · · · · · · ·	Name		
Address			o Apple , WV 26				Address		
10) PROPOSE	D WELL	WORK:	Drill	ΧX	_/ Drill	deeper	/ Redrill	/ StimulateX	λ/
			Plug of	fold	formation,	/ Perfora	te new formation	/	
						well (specify)	****		
11) GEOLOGI								TT	
12) Estima	ated depth	of complet	ed well,	5600	1551	feet	22		
13) Appro	ximate trat	a depths:	Fresh,	+0 -	- 100	feet; salt,	None	feet.	
				iknov	√n	Is coa	l being mined in th	e area? Yes	/ NoXX/
15) CASING A	AND TUBI "								
CASING OR TUBING TYPE		SPEC	CIFICATIONS [Weight		.	FOOTAGE IN	TERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cabic feet)	
Conductor	11 3/4	API	42 #	X	-	30'	30'		Kinds
Fresh water		-	-		1				
Coal	8 5/8	ADT	24#	v		11001	11001		Sizes
Intermediate	#	API		X		1100'	1100'	TO SURFACE A	<i>EAT</i>
Production	4 1/2	API	10#	<u>X</u>		5500'	55001	400 SKS	Depths set
Tubing			-		-			or as reg	uraly
Liners		ļ			-			1	Perforation Hulle 15.61
									Top Bottom
	Ц	£	1		1 1			<u> </u>	
						OFFICE USE O			
					1	RILLING PEF	RMIT		
Permit number_	47	7-091-	0438					Octob	er 12, ₁₉ 84
								Date	e
This permit cove	ering the w	ell operate	or and wel	locati	on shown	below is evidence of	f permission grant	ed to drill in accordan	ce with the pertinent legal re-
quirements subje	ect to the co	onditions	contained	herein a	and on the	reverse hereof. No	tification must be	given to the District Oi	il and Gas Inspector, (Refer to
district oil and g	as inspecte	ecuon or r or 24 hour	oaus, socai s before ac	ions ar	opus for ermitted w	any permitted work ork has commenced	.in addition, the w	ell operator or his cont	tractor shall notify the proper
reverse hereof.					тррисации	i, piat, and reciamat	non pian, subject	to any modifications ar	nd conditions specified on the
Permit expires _	Octo	ber 12	2, 1986	****		unless well v	work is commenced	d prior to that date and	prosecuted with due diligence.
								,	processes with add amgence.
Bond:	Agen		Plat:	Casir	20	Fee			
1.1			,	4	1 4.	i			1
10	Y TIA	1/	MI	M	11/8	300	WI	- 101	
•				,			1 Jurg	aret I. K	JUSSE
F10 mm - **				_			Adm	inistrator, Office of O	il and Gas
NOTE: Keep o	ne copy of	this perm	nit posted a	it the d	rilling loca	ation.			File
		Spe	the revers	side n	f the APP	LICANT'S COPY	for instructions to	the well anorator	FISC
					E.E. E.	COB B	conservations to	wer operator.	