

TOLNATES RECENTED API # 47- 21-05113 State of West Virginia Office of Oil & Gas Division of Environmental Protection Section of Oil and Gas Well Operator's Report of Well Work WV Division of Farm nabenironmental Entaction WILLIAM Operator Well No.: JOHNS 4A-W-761 LOCATION: Elevation: 998.00 Quadrangle: GRANTSVILLE District: DEKALB County: GILMER Latitude: 9310 Feet South of 39 Deg. Min. Longitude 2550 Feet West of 81 Deg. Min. Company: WACO OIL & GAS CO., INC. 1297 N. LEWIS ST. | Casing | Used in Left GLENVILLE, WV 26351-0000 |Fill Up| Tubing | Drilling | in Well | Cu. Ft. Agent: STEPHEN E. HOLLOWAY Size Inspector: CRAIG DUCKWORTH Permit Issued: 03/19/93 05/03/93 Well work Commenced: 05/08/93 Well work Completed: Verbal Plugging 8-5/8" 1015 1015' C. T. S. Permission granted on:___ Rotary X Cable Rig
Total Depth (feet) 6264'
Fresh water depths (ft) None 4-1/2" 6197 650 Sks. Salt water depths (ft) None Is coal being mined in area (Y/N)? x Coal Depths (ft): None OPEN FLOW DATA Producing formation Devonian Shale Pay zone depth (ft) see treatment Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A

Final open flow 1639 MCF/d Final open flow show

Time of open flow between initial and final tests 4

Static rock Pressure 1475 psig (surface pressure) after 48 Bbl/d Bbl/d Hours Hours Second producing formation Pay zone depth (ft Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests Pay zone depth (ft) Bb1/d Bbl/d Hours Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLFORE.

For: WACO OIL & GAS CO., INC.

By: Daniel R. Chapman, Geologist
Date: July 14, 1993

Reviewed TMG
Reported

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Ist stage: Devonian Shale (6112-5582)1500 gal 15% HCL, 35 ton CO2, 500 mcf N2
2nd stage: Elk, Alexander (5398-4959) 600 gal 15% HCL, 40 ton CO2, 900 mcf N2
3rd stage: Benson, Riley, Balltown, (4729-4003) 660 gal 15% HCL, 50 ton CO2,

1,000 mcf N₂

4th stage: Balltown, Speechly (3897-3337) 680 gal 15% HCL, 40 ton CO2, 900 mcf N2

Sand, Shale		0	268	No Water Reported
Sand, Shale, Red	Rock	268	860	en está como en
Sand, Shale		860	1907	
Little Lime		1907	1926	
Blue Monday		1926	1952	
Big Lime		1952	1994	
Big Injun		1994	2086	
Sand, Shale		2086	3347	
Speechly Section	-	3347	3686	
Shale		3686	3738	
Balltown Section		3738	4301	
Riley Section		4301	4662	
Shale		4662	4726	
BEnson		4726	4730	
Shale		4730	4948	
Alexander		4948	5003	
Shale		5003	5114	
Elk Section		5114	5398	
Shale		5398	6264	T. D.

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D21-5113 Issued 3/19/93

FORM WW-2B

MAR 1 8 93 STATE OF WEST VIRGINIA CLIVE 3/19/95

DEPAREMENT OF ENERGY, DIVISION OF OIL AND GAS

OFFICE OF OIL & GAWELL WORK PERMIT APPLICATION

1)	Well Op	erator:_	Waco Oil	and Gas Comp	any, Inc. 5	1800 2	379		
2)	Operato	r's Well	Number:	Waco 761 - J	ohns 4A	3) Ele	vation: 998'		
4)					<u>X</u> /		***************************************		
				Production	n_X/ Undergi	round Storage Shallow			
5)	Propose	d Target	Formation	n(s): <u>Ma</u>	rcellus 427				
6)	Proposed	d Total D	epth:	5,900	feet				
7)	Approximate fresh water strata depths: 78'								
8)	Approxi	mate salt	water de	epths: N	one				
9)	Approxi	mate coal	seam dep	oths: N	one				
10)	Does la	nd contai	n coal se	eams tribut	ary to acti	ve mine? Ye	s/ No_X_/		
11)	Proposed	d Well Wo	rk: Dri	ll and stimu	late new well	·			
12)	·		CASI	NG AND TUBI	NG PROGRAM				
TYPE		s	PECIFICAT	TIONS	FOOTAGE IN	ITERVALS	CEMENT		
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)		
Condu	ctor					C	385818113		
Frest	Water	8-5/8"	API	20.#	700°	700'	C. T. S.		
Coal							385818-112		
Inter	mediate								
Produ	ction	4-1/2"	API	10.5 #		5,900'	525 Sks.		
Tubin	g					(3858181X		
Liner	s				·	į			
PACKE	Siz								
,0/5 Z/	79 e(s) c	F F	4	on of Oil a	nd Gas Use	Only amation Fund	WPCP		
1	Plat 4	WW-9	WW-	2B B	ond Sur	Type)	Agent		

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Page	1 of	£ ,		1) Da	te: Fe	bruary 1,	1993	
	WW2-A	lib.	i a	2) Op	erator'	s well nu	mber	
(09/8	37)	E te	63	Wa	<u> 161 - record</u>	- Johns 4A		
				3) AP	I Well	No: 47 -	1993 Imber - 021 County - Po	5113
						State -	County - P	ermit
			*> <u>11</u> 1911.					
			STATE OF					
		DEPARTMENT	OF ENERGY	, DIVIS	ION OF	OIL AND G	AS	
		NOTICE AND	APPLICATION	ON FOR	A WELL	WORK PERM	IIT	
4 \	C		3	5 \	()			
		vner(s) to b				al Operat		
	(a) Name _	William Edwar	A		me	N/A		
		Star Rt. 161-			aress _			
		Tanner, WV 2			\ C = - 3	O	:44 81-	
	_ sman (d)	Anna and the second		(D			with Decla	
	Address							
	(-) N		· · · · · · · · · · · · · · · · · · ·	Ad	aress _			
	(c) Name _							
	Address			na	me			
				AG	aress _			
6)	Inchestor	Crain Dualera	L	7 -	\	T	+b D==3	L :
0)	inspector	Box 107, Davi	con Pt					
	Address	Gassaway, WV	26624					
		(304) - 364-		Ad	dress _			
	rerephone	(304)	7742					
	Included :	<u>FO THE PERSO</u> is the lease	or lease	s or ot	her cor	ntinuing c	ontract or	
contr	acts by wh	nich I hold	the right	to ext	ract of	il and gas	OR	
<u>X</u>	Included :	is the infor	mation re	quired	by Char	pter 22B,	Article 1,	
Secti		E the Code o						
	I certify	that as req	uired und	er Chap	ter 228	of the 🙀	<i>l</i> est Virgin	<u>ia Code</u>
I hav	ve served o	copies of th	is notice	and ap	plicati	ion, a loc	ation plat	, and
accor	mpanying do	ocuments pag	es 1 thro	ugh <u>7</u>	on the	e above na	med partie	s,by:
		onal Service						
		ified Mail (ned)	
	Publi	ication (Not	ice of Pu	blicati	on atta	ched)		
	I have rea	ad and under	stand Cha	pter 22	B and 3	38 CSR 11-	\cdot 18, and I \cdot	agree
to th	ne terms an	nd condition	s of any	permit	issued	under thi	s applicat	ion.
		under penal						
		the informat						
		nd that base						
		c obtaining		mation,	I beli	leve that	the inform	ation
is tr		ate, and com						
		e that there						false
infor	mation, in	ncluding the			fine ar	nd impriso	nment.	
			ell Opera	tot	Waco O1.	l and Gas Co	ompany, Inc.	
			λ: 	~72	100/		Stephen E. H	olloway
				gent	203	~		
		A		0. Box		3 5 1		
		=		lenville,		301		
a F			elephone (Rah		1002
Subso	ribed and	sworn befor	e me this	ist d	ay of _	February		, 19 <u>93</u>
	7.	Th. D 4	7					
W	Smi	ruy . le	ans _	, ,	>		Notary	Public
uy co	ommission e	expires 4	igust 3	1798	·			