

API # 47- 33-03977



State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: SHOCK, JACK ETUX.

Operator Well No.: J. SHOCK #1

LOCATION: Elevation: 1,078.00 Quadrangle: WESTON

District: GRANT

County: HARRISON

Latitude: 700 Feet South of 39 Deg. 7 Min. 30 Sec. Longitude 2350 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: ROSS & WHARTON GAS CO., I ------

RT. 6, BOX 123

BUCKHANNON, WV 26201-0000

Agent: MIKE ROSS

Inspector: TIM BENNETT

Permit Issued: 09/30/93
Well work Commenced: 10/14/93

Well work Completed: 10/28/93

Verbal Plugging

Permission granted on:
Rotary x Cable Rig
Total Depth (feet) 4715

Fresh water depths (ft) 1 at 40 ft.

½" at 290 ft.

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N Coal Depths (ft): 30-33 ft.

Casing &	Used in	Left	Cement Fill Up		
Tubing	Drilling	in Well			
Size					
8 5/8 in	1817 ft.	1817 ft.	360 sk.		
4 1/2 in		 4343 ft.	230 sk.		
En principle descent of					

OPEN FLOW DATA

Producing formation Fifth, Balltown, Benson Pay zone depth (ft)2018-4175

Gas: Initial open flow 50 MCF/d Oil: Initial open flow --- Bbl/d Final open flow 750 MCF/d Final open flow --- Bbl/d Time of open flow between initial and final tests 4 Hours Static rock Pressure 1400 psig (surface pressure) after 72 Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours _____ Pay zone depth (ft)___ Static rock Pressure psig (surface pressure) after

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 WELLBORE.

Rower	od management of the same of t	e Gulloujs
Record:		DIAME

	MIKE	ROSS,	INC.,	DBA
7	DOCC	C T.TT	TADORORT	C 1 C C C

For: ROSS & WHARTON GAS, CO., INC.

Fractured November 4, 1993

1st Stage - Perfs @ 4166-4172, 420 BBLS Water, 750 Gal. Acid 10,000 # 80/100 Sand, 28,000 # 20/40 Sand, 60,000 SCF \mathbb{N}^2

2nd Stage - Perfs @ 3050-3068, 380 BBLS Water, 750 Gal. Acid 10,000 # 80/100 Sand, 30,000 #20/40 Sand, 70,000 SCF N²

Sand and Shale	0	30	$\frac{1}{2}$ " Stream of H ² O @ 40 ft.
Coal	30	33	
Sand and Shale	33	70	
Red Rock	70	118	
Sand and Shale	118	525	
Sand	525	682	
Black Shale	682	698	
Sandy and Shale	698	963	
Sand	963	1100	
Red Rock and Shale	1100	1202	
Little Lime	1202	1250	
Big Lime	1250	1325	
Injun	1325	1425	
Sandy Shale	1425	1615	
Gantz Sand	1615	1660	
Sandy Shale	1660	1818	
Gordon Sand	1818	1844	
Sandy Shale	1844	2018	
Fifth Sand	2018	2056	Show of gas
Sandy Shale	2056	2155	Ğ
Bayard Sand	2155	2170	
Sandy Shale	2170	3050	
Balltown Sand	3050	3070	Show of gas
Sandy Shale	3070	4160	Č
Benson Sand	4160	4175	Show of gas
Sandy Shale	4175	4530	.
Alexander Sand	4530	4580	
Sandy Shale	4580	4715	TD

Environmental Color of

033-3977 ·

FORM WW-23 0 93

Parmitting STATE OF WEST VIRGINIA CAPONE 9/30/95

WELL WORK PERMIT APPLICATION

1) Well Ope	erator:	MIKE ROSS	INC. 4096	43225	6 6	70					
?) Operato:	3										
7			or Gas								
	(b)	If Gas:	Production Deep	n <u>x</u> / Underg	round Storag	;e/					
Proposed	d Target	Formation	(s): <u>Ber</u>	ison 435							
Proposed	d Total D	epth:5(000	feet							
) Approxi	mate fres	h water s	trata dept	hs: 50, 125	5						
8) Approxim	Approximate salt water depths: None										
9) Approxim	mate coal	seam dep	ths: No	ne							
10) Does la:	nd contai	n coal se	ams tribut	tary to act	ive mine? Y	es/ No/					
11) Proposed											
12)			· •	•							
		CASIN	G AND TUB	ING PROGRAM							
TYPE	S	PECIFICAT	CIONS	FOOTAGE II	NTERVALS	CEMENT					
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)					
Conductor	11 3/4		42	20'							
Fresh Water											
Coal											
Intermediate	8 5/8	ERW	20	1000'	1000' CTS	38 CSR 18-11.3 38 CSR 18-11.2.2					
Production	4 1/2		10.5		46001	38 CSR 18-11.1					
Tubing					·						
Liners											
PACKERS : Ki	nd					•					
	zes pths set										
2/		D:-:									
120				and Gas Use							
/ ree(s) ;		_ Well W	Nork Permit		lamation Fun	id _ WPCP					
	WW-9	WW-	·2B / I	Bond Sunt	Trunca \	_ Agent					
		a.		1	Vrype)						

	•	070-11-						
		RECOVE						
Page	1 of	1 7 Crimacinal Protection	_	1)	Date: S	eptember 23, 1993		
Form	WW2-A	%F 3 0 93		2)	Operator	's well number		
(09/8	37)	~ 3 0 93			JACK SHOC	K NO. 1 No: 47 - <u>03</u>		
		Sermating.		3)	API Well	No: 47 - <u>03</u>	<u>33977</u>	<u> </u>
		- of Oil & 🗪	ı			State - Count	:y - Perm:	it
	•			ram a m	TITE OTNIE			
			STATE OF			OIL AND GAS		
		DEPARIMENT	OF ENERGI	, 1/1	AISTON OF	OID WAS OVE		
		NOTICE AND	APPLICATI	ON F	OR A WELL	WORK PERMIT		
						10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		
4)	Surface C	wner(s) to	be served:		5) (a) C	oal Operator:		
•	(a) Name	Jack Shock e	t ux		Name Nor	ne		
	Address _	Kt. 1, Box 2			Address			*
	-	Jane Lew, WV	7					
	(b) Name					Owner(s) with		
						ne		
					Address		4	
	(c) Name				Name No.	ne		
						16		
	***************************************				11441 600			
6)	Inspector	Tim Bennett	t		(c) Coal	Lessee with D	eclaratio	n
,	Address	737 Karl St	treet					
		Weston, WV	26452					
	Telephone	Weston, WV 2 (304) - 269	9-6167					
I ha	<pre>ion 8(d) (I certify ve served mpanying (</pre>	of the Code y that as re copies of t documents pa	of West Vi equired und this notice eges 1 thro	irgir der C e and ough	iia (see p Chapter 22 Lapplicat on th	pter 22B, Arti age 2) B of the <u>West</u> ion, a locatio e above named	<u>Virginia</u> n plat, a	nd
		sonal Servic						
	Cer	titied Mail lication (No	(Postmarke	ea po	stal rece	ipt attached)		
	Pub	rication (No	otice of Pu	10116		ached		
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E	STATE	ARY PUBLIC OF WEST VIRGINIA	Its: Pres		-			
Take a	ile Ile	ne Murray	Address _		Box 173			
Niles.	Commissi	oned as Hene Cutright eet. Buskhannon WV 26201			Coalton, W			
***************************************	w,y commis	Sign expires Nov 3 1992	Telephone		(303) 472-4			
Subs	cribed an	d sworn bef	ore me this	s <u>23</u>	rd day of	September	, 1	L9 <u>93</u>
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			Nove	mher	3 1993		Notary Pu	IDIIC