



92 Environmen.

ting Gas Permitting Gas

Office Of Oil & Gas

Office of Oil &	rice of Oil & Gas	l Operator'	s Report	t of W	ell Work		
Farm name:	SCHWARTZMAN	, BEATRICE					ELL 23
LOCATION:	Elevation:	1339.00 Q	uadrang:	le: OX	FORD		e e e e e e e e e e e e e e e e e e e
	District: Latitude: Longitude	9440 Feet,	South of	£ 39	Deg. 12Mir	1. 30 Sec.	•
P. GLE	TERN AMERICA O. BOX N NVILLE, WV	26351-0000	Cas	s i		Left (Existing) in Well	Fill Up
Agent: DON	ALD C. SUPCO	E	Siz	ze	To 1		
Permit Issu	MIKE UNDERWO ed: ommenced:	06/13/91	11-	3/4"		81'	
Well work C Verbal Plug	ompleted:	08/02/91 s	8-	5/8''		1519'	435sxs CTS
Rotary X Total Depth	Cable 54 depths (ft)	Rig	_ 4- 	1/2"		5381.70'	700sxs
	depths (ft)		1-	1/2"		5191.70'	Consider equipment
Is coal bei Coal Depths	ng mined in (ft): None	area (Y/N)?	N				
OPEN FLOW D	ATA	* ************************************	į				4977' -
Gas: I F T	ing formatio nitial open inal open fl ime of open rock Pressu	flow <u>1,061</u> ow <u>582</u> flow betwee	MCF/d Oi MCF/d n initia	il: In Fi al and	itial oper nal open f final tes	flow N/ flow N/ ts 10	4546' A Bbl/d Bbl/d Hours
Gas: I F T	producing f nitial open inal open fl ime of open	flow ow flow_betwee	MCF/d n initia	il: In Final and	itial open nal open f final tes	low	Bbl/d Bbl/d Hours Hours
Static rock Pressurepsig (surface pressure) afterHours 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.							
	, , , , , , , , , , , , , , , , , , , ,	For: EAST	ERN AMÉR	RICAN	ENERGY COR	P.	
SOFIER CU	M6 7	By:	Ronald L.	Rech,	Regional Dr 992	illing Manag	ger
Recorded		7.0	· , 			······································	

APA 21 102

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

2 Stage Foam Frac

Benson/3rd Riley: 26 holes (4977'-4882') fraced w/70 quality foam, 30 1bs gel/1000 gals, 55,000 lbs of 20/40 sand, 500 gals 15% HCI acid and 640,900 scf of N_2

Riley: 18 holes (4572'-4546') fraced w/70 quality foam, 30 1bs gel/1000 gals, 34,000 1bs of 20/40 sand, 500 gals 15 HCI acid and 532,200 scf of N2

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
CEE ODICINAL ETITMO			
SEE ORIGINAL FILING			
		· · · · · · · · · · · · · · · · · · ·	MIN Division of Oil & Oil & Oil &
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		220	

per you of Energy State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

MAR 0 6 91

Quand las pecuation Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE

Operator Well No.: BLAU/MAXWELL#23 W.B.

LOCATION: Elevation: 1339.00 Quadrangle: OXFORD

District: SOUTHWEST

County: DODDRIDGE

Latitude: 9440 Feet South of 39 Deg. 12Min. 30 Sec. Longitude 390 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C

P. O. BOX N

GLENVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD

Permit Issued: 02/09/90

Well work Commenced: 03/21/90

Well work Completed:

03/25/90

Verbal Plugging

Permission granted on:___

Rotary X Cable Ric
Total Depth (feet) 5417'

Fresh water depths (ft) 137'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N Coal Depths (ft): None

Casing	Used in	Left	Cement Fill Up
Tubing	Drilling	in Well	
Size			
8-5/8"	1519'	1519'	C.T.S.
4-1/2"	5381.70'	5381.70	815.75
			-
Anna Anna pata casa casa casa tasa tasa tasa tasa t			

OPEN FLOW DATA

Producing formation Alexander	
Gas: Initial open flow 345 MCF/d O	il: Initial open flow N/A Bbl/d
Final open flow 250 MCF/d	Final open flow N/A Bbl/d
Time of open flow between initi	al and final tests 15 Hours
Static rock Pressure 1380 psig (s	urface pressure) after24Hours
Second producing formation	Pay zone depth (ft)
Gas: Initial open flow MCF/d O	il: Initial open flow Bbl/d
Final open flow MCF/d	
Time of open flow between initi	al and final tests 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 WELLBORE.

Static rock Pressure _____psig (surface pressure) after

For: EASTERN AMERICAN ENERGY CORP.

Rich Heffelfinger

By: Vice President - Regional Operations

Date: February 28, 1991

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 1 STAGE FOAM FRAC

Stage 1: Alexander - 14 holes (5316'-5247') Breakdown 2060 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 612,000 scf of $\rm N_2$

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil Sand Shale and Red Rock Sand and Sandy Shale Sandy Shale and Red Rock Sandy Shale Red Rock Sand and Sandy Shale Little Lime Sand and Shale Big Lime Big Lime Big Injun Shale Weir Shale Berea Shale w/Some Sand Warren Shale w/Trace Sand Riley Shale w/Some Sand Third Riley Shale Benson Shale w/Trace Sand Alexander Shale	0 5 70 108 250 360 445 465 1967 1980 2015 2080 2146 2296 2415 2496 2503 3366 3400 4528 4580 4876 4970 4980 5220 5322	5 70 108 250 360 445 465 1967 1980 2015 2080 2146 2296 2415 2496 2503 3366 3400 4528 4580 4876 4970 4980 5220 5322 5417 T.D.	Lost circulation @ 78' 1/2" Water @ 150' GAS CHECKS: 2000' - No show 2123' - 40/10 thru 2" w/water 2216' - 30/10 thru 2" w/water 2465' - 30/10 thru 2" w/water 2894' - 36/10 thru 2" w/water 3295' - 26/10 thru 2" w/water 3418' - 26/10 thru 2" w/water 4001' - 30/10 thru 2" w/water 4403' - 26/10 thru 2" w/water 4617' - 22/10 thru 2" w/water 4891' - 26/10 thru 2" w/water 5013' - 20/10 thru 2" w/water 5168' - 16/10 thru 2" w/water 5292' - 16/10 thru 2" w/water D.C 10/10 thru 2" w/water

017-378 8X REWORK

(Type)

Assued 06/13/91

FORM WW-2B

DEPT. OF ENERGY

THENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

WELL: WORK PERMIT APPLICATION 259

			257			$\neg \setminus$
1) Well Ope	rator:	<u>Eastern Ar</u>	merican Ener	gy Corporatio WVDOD00112	n 14980 (1) 525
2) Operator	's Well I	Number:B	lauser/W.B.			evation: 1339'
4) Well typ	e: (a).	Dil_/	or Gas	XX/		
	(b)	If Gas:	Production Deep	XX/ Undergi	cound Storag Shallo	e/ w_ <u>XX</u> /
5) Proposed	Target 1	Formation	(s): Benson	4975', 3rd R	iley 4890', Ri	ley 4556'
6) Proposed	Total De	epth:	5412	feet		
7) Approxim	nate fres	h water s	trata dept	hs: 164'		
8) Approxim	nate salt	water de	pths: No	ne		
9) Approxim	nate coal	seam dep	ths:	657'-659'		-
10) Does lan	d contain	n coal se	ams tribut	ary to act	ive mine? Y	es/ No_XX_/
	Well Wo:	rk: REWO	RK.	Jan y	USTNO U ARMALI NTERVALS	dell few
12)		CASIN	G AND TUBI	NG PROGRAM	ARmate	tor.
TYPE	S	PECIFICAT	IONS	FOOTAGE II	NTERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 38	F-25	37.5	30°		C.T.S.
Fresh Water	8-5/8"	J-55	20.0	1490'	1490'	38CSR18-11.3 38CSR18-11.2.2
Coal			610		Anial	1/1/17
<u>Intermediate</u>			12.		Men Trom	lacurouna
<u>Production</u>	4-1/2** *	J-55	10.5	5330'	5330'	38CSR18-11.1
Tubing	,				1	
Liners				201		
PACKERS : Kir)-	/ V		
	zes oths set					
1 Pee(s)	· (-	ΔI	on of Oil a	and Gas Use	Only lamation Fun	d wpcp
	The EVEL O	(12/2 5757	28 (17/1 F	and Isla	MOUL /IM	Agent

REW	ORK
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RES	The same of the sa
RECEI	YED)
MAY 17	1991
DEPT. OF ENE	RGY

1) Date: May 15, 1991 2)

Operator's well number

Blauser/W.B. Maxwell #23 WVDOD00123 API Well No: 47 - 017 - 3788 - Rework State - County - Permit

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

3)

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface C	wner(s) to be se	rved:	5) (a) Coal Opera	tor:
	(a) Name	Beatrice Schwartz	man	Name <u>None</u>	
	Address _	2520 30th Street.	N.W.	Address	
		Washington, D.C.	20008	:	
	(b) Name			(b) Coal Owner(s)	with Declaration
	Address			Name None	
	-			Address	
	(c) Name				
	Address		. :	Name	
				Address	
6)	Inspector	Mike Underwood		(c) Coal Lessee w	ith Declaration
- ,	Address	Rt. 2, Box 135		Name None	
		Salem, WV 2642	6	Address	
	Telephone	(304) - 782-1043			
	_				
		TO THE PERSON(S)	NAMED ABO	OVE TAKE NOTICE TH	AT:
-	Included	is the lease or	leases or	other continuing	contract or
conti	cacts by w	hich I hold the	right to	extract oil and ga	s OR
XXX	Included	is the information	on require	ed by Chapter 22B,	Article 1.
Sect	ion 8(d) c	f the Code of Wes	st Virgin	ia (see page 2)	112 0 2 0 2 0 2 7
					West Virginia Code
T has	e served	conies of this n	otice and	application, a lo	astion plat and
accor	nnanving d	ocuments name 1	through	8 on the above n	are prac, and
accor	"banying c	onal Service (Af	chrough .	o on the above n	amed parties, by:
					3 7 \
				stal receipt attac	nea)
	Publ	ication (Notice	or Publica	ation attached)	
	T 1				
	I have re	ad and understand	d Chapter	22B and 38 CSR 11	-18, and I agree
to tr	ne terms a	ind conditions of	any perm	it issued under th	is application.
	1 certify	under penalty o	f law tha	t I have personall	y examined and am
famil	liar with	the information :	submitted	on this applicati	on form and all
attac	chments, a	nd that based on	my inqui:	ry of those indivi	duals immediately
respo	onsible fo	or obtaining the	informatio	on, I believe that	the information
is tr	ue, accur	ate, and complete	≘.		
	I am awar	e that there are	significa	ant penalties for	submitting false
infor	mation, i	ncluding the pos	sibility (of fine and impris	onment.
				Eastern American Ene	
		By:	John 9	11. (7all)	John M. Paletti
		Its:	Desig	gnated Agent	
		Addre		Box N	
				ville, WV 26351	
		Telep		(304) 462-5781	
Subsy	ribed and	sworn before me		n day of May	, 19 91
	dut	Marie Strain			
MV CC	mmission	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1993		Notary Public
,.y c	.mm.c.55 [OII	expires <u>August</u> 02.	1773		

FORM WW-2B

Issued 2/9/90 Gypures Page 3 of 8

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

		***************************************		APPLICATION		
1) Well Ope	erator:	Eastern A	merican Ener	gy Corporation	14480 ((7) 525
		Number:		Maxwell #23		evation: 1339'
4) Well typ	oe: (a) (or Gas	5 <u>XX</u> /		*
	(b)	If Gas:		n <u>XX</u> / Undergr		
5) Proposed	d Target 1	Formation	n(s): Alex	ander 🥞 🦽		
6) Proposed	d Total De	epth:	5412	feet		
7) Approxim	mate fresl	h water s	strata dept	hs: <u>164</u>		
8) Approxim	mate salt	water de	epths:	None		
9) Approxim	mate coal	seam dep	oths:	657"-6	559"	
						/es/ No_XX_/
11) Proposed	d Well Wo:	rk: Drill	and complet	e new well.		
12)						
				NG PROGRAM		
TYPE	S i	PECIFICA'	rions	FOOTAGE IN	ITERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 "	F-25	37.5	30°		
Fresh Water	8-5/8"	J-55	20.0	1490°	1490'	C.T.S. 38CSR18-11.3
Coal				4	Max wohn m	38CSR18-11.2.2
<u>Intermediate</u>					Reac	wit
Production	4-1/2"	J-55	10.5	5330°	5330°	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						A BRITAIN
PACKERS : Ki	nd	<u> </u>				326
Si	zes pths set				ريفان	VN 5 5 1330
De l		ni				COLDE OF THE CAS
yil	()	\mathcal{U}		and Gas Use		(II
Fee(s)	paid:	/ Well	Work Permit	A.h.	lamation Fur	Agent
Plat ()	WW-9	AN MM.	-2B J 1	Bond SIMPLA	(Type)	Agent

Page 1 of <u>8</u> Form WW2-A (09/87)File Copy

Date: January 19, 1990

Operator's well number

DEFARTMENT OF LEGISLATIVE API Well No: 47 - 017 - 3788

State - County - Permit

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

	NOTICE AND APPLICATION F	UK A WELL WUKK PERMIT
4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
7 /	(a) Name <u>Beatrice Schwartzman</u>	Name None
	Address 2520 30th Street, N.W.	Address
	Washington, DC 20008	(b) Coal Owner(s) with Declaration
	(b) Name	
	Address	Name
	(c) Namo	Address
	(c) Name	Nama
	Address	Name
		Address
6.)	Inspector <u>Mike Underwood</u>	(c) Coal Lessee with Declaration
0.7		
	Address Rt. 2, Box 135	Name Addross
	Salew, WV 26426 Telephone (304)- 782-1043	Address
	Telephone (304) - 782-1043	
	TO THE PERSON(S) NAMED AB	רעים האעם אורשוכם ההאשי.
	TO THE PERSON(S) NAMED AD	OVE TAKE NOTICE THAT.
	Included is the lease or lease or	other centinging centract or
	Included is the lease or leases or	
	cacts by which I hold the right to	
	Included is the information requir	
Sect	ion 8(d) of the Code of West Virgin	
		hapter 22B of the West Virginia Code
I hav	ve served copies of this notice and	application, a location plat, and
accor	mpanying documents pages 1 through	<pre>8 on the above named parties, by:</pre>
	Personal Service (Affidavit a	ttached)
	XX Certified Mail (Postmarked po	stal receipt attached)
	Publication (Notice of Public	ation attached)
	· · · · · · · · · · · · · · · · · · ·	
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	ne terms and conditions of any perm	it issued under this application.
	I certify under penalty of law tha	t I have personally examined and am
fami:	liar with the information submitted	on this application form and all
atta	chments, and that based on my inqui	ry of those individuals immediately
	onsible for obtaining the informati	
	rue, accurate, and complete.	•
	•	ant penalties for submitting false
info	rmation, including the possibility	
		Eastern American Energy, Corporation
	By: John M. Pal	
	Its: Designated	
	Address P.O. I	
		nville, WV 26351
		304) 462-5781
Subs	cribed and sworn before me this Ett	
5455	citized and sworm before me chis [7]	January 1110
	Va Zana	e True Notary Public
My	commission expires July	Notary Public Notary Public
• • • • • • • • • • • • • • • • • • • •	yilly 2	