



State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: GREATHOUSE, FREDA Operator Well No.: MERT/MAXWELL 2, F.

LOCATION: Elevation: 1210.00 Quadrangle: OXFORD

County: DODDRIDGE District: SOUTHWEST

Latitude: 2500 Feet South of 39 Deg. 10Min. 0 Sec. Longitude 13700 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C

P. O. BOX N

GLENVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD

05/08/90 ced: 06/05/90 Permit Issued: Well work Commenced:

Well work Completed: 06/21/90

Verbal Plugging

Verbal riugging
Permission granted on:
Rig Rotary X Cable Rico
Total Depth (feet) 5320'

Fresh water depths (ft) 55', 275'

Salt water depths (ft)

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

Casing		Used in	Left Cement Fill Up
note emperime eco	Tubing Drilling		in Well Cu. Ft.
HOUR GLOSSINGS NAME	Size		
edica communica agricultura	8-5/8"	1352.90'	1352.90' C.T.S.
-	4-1/2"	5292.351	5292.35' 915
elle emercine consesse elle	1-1/2"	<u></u>	5086.65'
STEEN CONTRACTOR STEER			
THE STREET, SALES			
MATERIAL CONTRACT OF			
l			

OPEN FLOW DATA

Alexander, Benson/3rd Riley, Producing formation Riley (Commingled) Pay zone depth (ft) 5101.5'

Gas: Initial open flow 622 MCF/d Oil: Initial open flow N/A Bbl/d Final open flow 492 MCF/d Final open flow N/A Bbl/d Time of open flow between initial and final tests 15 Hours Static rock Pressure 880 psig (surface pressure) after 24 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

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.

> Riel Hoffeeling For: EASTERN AMERICAN ENERGY CORP.
> Rich Heffelfinger

By: Vice President - Regional Operations

Date: August 15, 1990

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 3-STAGE FOAM FRAC

- <u>Stage 1</u>: Alexander 13 holes (5140.5'-5101.5') Breakdown 2260 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 55,400 lbs 20/40 sand, 500 gals 15% HCl, 549,900 scf of N₂
- Stage 2: Benson/3rd Riley 12 holes (4828.5'-4741') Breakdown 1100 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5000 lbs 80/100 sand, 51,600 lbs 20/40 sand, 500 gals 15% HCl, 824,100 scf of N₂
- Stage 3: Riley 12 holes (4431.5'-4417') Breakdown 3280 psi, 70 Quality foam, 20 lbs/1000 gals Gel, 5000 lbs 80/100 sand, 32,000 lbs 20/40 sand, 500 gals 15% hcl, 590,900 scf of N₂

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil Sandy Shale Sand Sandy Shale Sand Sandy Shale Sand Sandy Shale Sand Sandy Shale Red Rock Sandy Shale Little Lime Sand and Shale Big Lime Big Injun Shale with Minor Sand Weir Shale Berea Shale with Minor Sand Warren Shale with Some Sand Riley Shale with Minor Sand 3rd Riley Sandy Shale Benson Sandy Shale Alexander Sandy Shale	0 5 30 90 240 260 275 280 535 545 675 780 1848 1860 1900 1960 2033 2156 2338 2368 2372 3216 3265 4389 4439 4734 4770 4825 4857 5066 5172	5 30 90 240 260 275 280 535 545 675 780 1848 1860 1900 1960 2033 2156 2338 2368 2372 3216 3265 4389 4439 4734 4770 4825 4857 5066 5172 5323 T.D.	Hole damp @ 55' 1" stream water @ 275' GAS CHECKS: 1900' - No show 1993' - No show 2115' - No show 2393' - No show 2701' - 48/10 thru 1" w/water 3164' - 8/10 thru 2" w/water 3288' - 8/10 thru 2" w/water 3441' - 6/10 thru 2" w/water 4308' - 4/10 thru 2" w/water 4308' - 4/10 thru 2" w/water 4493' - 4/10 thru 2" w/water 4735' - 4/10 thru 2" w/water 4889' - 8/10 thru 2" w/water 5012' - 8/10 thru 2" w/water 5197' - 8/10 thru 2" w/water 1 Tubing Down - 10/10 thru 1" w/water D.C 10/10 thru 1" w/water

FORM WW-2B

Page 3 of 8 STATE OF WEST VIRGINIA Express 5/8/92 DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

	DEPART			VISION OF OI APPLICATION						
L) Well Ope	erator:		259	gy Corporatio		(7) 525				
2) Operator	's Well	Number: M	ert/F. Maxwe	11 #2 - WVDOD	001502 3) El	evation: <u>1210</u>				
(a) Well type	pe: (a)	0il_/	or Gas	5 <u>XX</u> /						
	(b)	If Gas:			ound Storag					
Proposed	l Target	Formation	(s): <u>Alex</u>	ander						
) Proposed	l Total D	epth:	5325	feet						
7) Approxim	Approximate fresh water strata depths: 189', 310', 890' 295'									
				None	, ,					
					•	' Carl Blosom				
ll) Proposed										
12)										
		CASIN	G AND TUBI	NG PROGRAM						
TYPE	S	PECIFICAT	IONS	FOOTAGE IN	TERVALS	CEMENT				
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)				
Conductor	11 "	F-25	37.5	30'	***					
resh Water	8-5/8"	J-55	20.0	1360'	1360'	C.T.S. 38CSR18-11.3				
Coal		-				38CSR18-11.2.				
<u>ntermediate</u>				Charles de la constante de la						
roduction	4-1/2"	J-55	10.5	5230°	5230'	38CSR18-11.1				
ubing	1-1/2"	H-40	2.75							
iners					MIN	महाराजानी में				
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For Divison of Oil and Gas Use Only DEMARTMENT OF LIVERGY

| Plat | C | WW-9 | WW-2B | Bond Surety Makel | Agent

(Type)

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

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DEPARTMENT OF INERGY

Date	2:	March	27.	1990		
Oper	ator	's we	ll'n	umber		
Mert	/F. Ma	xwell	#2	- AADODO	01	502
				017		
				County		

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

		NOTICE AND AF	FULUALIUM IN	JI A WILL WORK	to the state of th			
4)	Surface (Owner(s) to he	served.	5) (a) Coal Op	erator:			
- /	Surface Owner(s) to be served: (a) Name <u>Freda Greathouse</u>			Name None-				
		Rt. 1, Box 108		Address				
	Address .	New Milton, WV	2661					
	(b) Name	New MIILON, WY	20411	(b) Coal Owner	(s) with Decla	ration		
) dd zocc			• •				
	Address .			Name				
	(a) Name			Address	***************************************			
	(C) Name			Namo				
	Address			Name	*** **********************************			
				Address				
6)	Tnanasta	**		(c) Cool Tassa	e with Declara	ation		
0 1	luspecto	Mike Underwood		(c) Coal Lessee with Declaration				
		Rt. 2, Box 135		NameAddress				
	7 - 7 b	Salem, WV 26420	<u> </u>					
	rerebuou	e (304) - <u>782-104</u>	3	The state of the s				
		ייט ייטים מעים מעול	מו אואשיי אם	OVE TAKE NOTICE	ጥዞልጥ•			
		TO THE PERSON	3) NAMED AD	OVE TAKE HOTTEE	11151.			
	Inaludad	ic the leads o	r losene or	other continui	na contract of	~		
	. Included	is the lease o	it reases or	extract oil and	are NP	-		
				ed by Chapter 2				
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sect				ia (see page 2)		nia Codo		
~~ 1				hapter 22B of t				
I ha	ve served	copies of this	notice and	application, a	location plat	c, and		
acco				8 on the abov	e named partie	es,by:		
		sonal Service (
				stal receipt at				
	Pub	lication (Notic	e of Public	ation attached)				
				22B and 38 CSR				
to t	he terms	and conditions	of any perm	it issued under	this applicat	tion.		
				t I have person				
fami	liar with	the information	on submitted	on this applic	ation form and	d all		
atta	chments,	and that based	on my inqui	ry of those ind	ividuals immed	diately		
resp	onsible f	or obtaining th	ne informati	on, I believe t	hat the inform	mation		
is t	rue, accu	rate, and compl	Lete.					
100	I am awa	re that there a	are signific	ant penalties f	or submitting	false		
info	rmation,	including the r	possibility	of fine and imp	risonment.			
	•	Wel	ll Operator	Eastern American	Energy Corporation	on		
		By:	: John M. Pal	etti Jaka M.	Talett			
		Its	s: Designat	ed Agent/				
		Add	iress P.O.	Box N				
		***	Gle	nville, WV 26351				
		Tel	lephone(304) 462-5781				
Subs	cribed an	d sworn before		May of	Parch	_, 19 <i>90</i>		
			\mathcal{L}					
			-Deraine	· Nouse	Notar	y Public		
Му	commissior	expires	July 2 1	1996				
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