

13-Apr-95 API # 47- 17-04195

. NOV 3 0 1995

State of West Virginia

Division of Environmental Protection Section of Oil and Gas

Permitting Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HEASTER, CHARLES P. ETAL. Operator Well No.: ASHLND/MAXWL#35

LOCATION: Elevation: 1,284.00 Quadrangle: OXFORD

County: DODDRIDGE District: WEST UNION Latitude: 11300 Feet South of 39 Deg. 15Min. 0 Sec. Longitude 7750 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C | Casing | Used in | Left | Cement P. O. BOX 820 |Fill Up| GLENVILLE, WV 26351-0820 Tubing | Drilling | in Well | Cu. Ft. Agent: DONALD C. SUPCOE Size 1210' Inspector: MIKE UNDERWOOD 300 SXS 8-5/8" 1210' 04/14/95 aced: 10-16-95 Permit Issued: Well work Commenced: 10-16-95 Well work Completed: 10-20-9553591 740 SXS 4-1/2" Verbal Plugging Permission granted on:

Rotary x Cable Rig

Total Depth (feet) 5415' Fresh water depths (ft) 60', 80', 132', Salt water depths (ft) None Is coal being mined in area (Y/N)? N Coal Depths (ft):

OPEN FLOW DATA

(Commingled)

Producing formation Alexander, Benson, 3rd Riley Pay zone depth (ft 5226'-3982. Static rock Pressure 1375' psig (surface pressure) after 24 Hours

Pay zone depth (ft)\_\_\_\_\_\_Bbl/d Second producing formation\_\_\_\_ 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 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 WELLBORE.

EASTERN AMERICAN ENERGY	
By: Marks Sensons Date: 11-28-95	Supervisor Supervisor
bace. //-28-4.9	

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

Stage One : Alexander; 20 holes (5156'-5226'), Fractured w/energized water, 30 lbs

gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and

89,000 scf of N2.

Stage Two : Benson/3rd Riley; 14 holes (4802'-4890'), Fractured w/energized water,

30 lbs gel/1000 gals, 40,000 lbs of 20/40 sand, 500 gals of 15% HC1

acid and 88,200 scf of N2.

Stage Three: Riley: 15 holes (4445.5'-4466.5'), Fractured w/energized water, 30 lbs

gel/1000 gals, 5,000 lbs of 80/100 sand, 35,000 lbs of 20/40 sand, 500

gals of 15% HC1 acid and 100,000 scf of N2.

Stage Four: Balltown; 14 holes (3982.5'-4037'), Fractured w/energized water, 30 lbs

gel/1000 gals, 45,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and

80,000 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
Sand & Shale	0	36	Damp @ 60°
Sand	36	45	1/4" water @ 80'
Redrock	45	. 70	1/4" water @ 132'
Sand & Shale	70	132	1/4" water @ 865'
Sand	132	212	
Shale & Redrock	212	515	
Sand	515	530	Gas Checks:
Sand & Shale	530	780	1520' No Show
Sand	780 -	836	1768 40/10 w/mercury
Shale & Redrock	836	922	2049' 28/10 w/mercury
Sand	922	931	2392' 24/10 w/mercury
Redrock & Shale	931	1000	2738 24/10 w/mercury
Sand & Shale	1000	1582	3113' 24/10 w/mercury
Sand	1582	1700	3423 24/10 w/mercury
Sand & Shale	1700	1830	3642 22/10 w/mercury
Little Lime	1830	1860	4017' 22/10 w/mercury
Sand & Shale	1860	1873	4300 20/10 w/mercury
Big Lime	1873	1948	4454' 20/10 w/mercury
Injun	1948	2015	4547' 20/10 w/mercury
Sand & Shale	2015	2172	4889 22/10 w/mercury
Weir	2172	2225	5010 20/10 w/mercury
Sand & Shale	2225	2361	5166 20/10 w/mercury
Berea	2361	2369	TD 20/10 w/mercury
Sand & Shale	2369	3220	DC 16/10 w/mercury
Warren	3220	3270	
Sand & Shale	3270	4428	
Riley	4428	4460	
Sand & Shale	4460	4792	
3rd Riley	4792	4815	
Sand & Shale	4815	4884	
Benson	4884	4885	
Sand & Shale	4885	5220	
Alexander	5220	5300	
Sand & Shale	5300	5415 TD	

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FORM WW-2B

Permitting STATE OF WEST VIRGINIA DEFER PMPILE GOS ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

							G) (C) /		
1,)	Well Ope	rator:	Eastern Am	<u>erican Energ</u>	y Corporation	14950 (	3) 276		
	Operator's Well Number: Ashland/Maxwell #35 3) Elevation: 1284'								
386	Well type: (a) Oil_/ or Gas XX/								
20	(b) If Gas: Production XX/ Underground Storage/ Deep/ Shallow XX/								
Proposed Target Formation(s): Alexander, Benson, Riley									
	Proposed								
7)	Approximate fresh water strata depths: 30, 131								
8)	Approxim	ate salt	water de	pths:	1195'				
9)	Approximate coal seam depths:								
10)	Does land contain coal seams tributary to active mine? Yes/ No_XX_/								
11)	Proposed	Well Wor	ck: Drill	and complete	e new well.				
12)									
		CASING AND TUBING PROGRAM							
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS CEMENT					
		Size	Grade	Weight per ft.	For <u>drilling</u>	Left in well	Fill-up (cu. ft.)		
Cond	luctor	11 3/4"	F-25	32.0	201	0 7/8	C.T.S.		
Fres	h Water	8 5/8"	F-25	20.0	1200'	1200'	38CSR18-11.3 38CSR18-11.2.2		
Coal		9 5/8"	F-25	26.0			C.T.S.		
Intermediate		*7 "	H <b>-</b> 40	17.0			C.T. 9 5/8"		
Prod	luction	4-1/2"	J-55	10.5	5302'	5302	38CSR18-11.1		
Tubing									
Line	rs	- Andrewski state of the state							
* 0	PTIONAL: KERS : Kii	Based upo	n coal or	excessive	e amounts o	f water bein below the	g encountered casing.		
Sizes									
For Divison of Oil and Gas Use Only									
For Divison of Off and Cds of only    Fee(s) paid:     Well Work Permit     Reclamation Fund   WPCP									
Plat Ww-9 (12) ww-2B D   Bond Blanket									
(Type)							<i>y</i>		

Page 1 of <u>10</u> Form WW2-A (09/87)	1) Date: March 14, 1995 2) Operator's well numb Ashland/Maxwell #35
ile Copy	3) API Well No: 47 - State - Co

number - \_ -- County - Permit

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

## NOTICE AND APPLICATION FOR A WELL WORK PERMIT

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4)	Surface (	)wner(s) to	be served:		5) (a) Coal Op	erator:		
	(a) Name	Charles P.	Heaster et al		Name N/A			
	Address _	Rt. 1 Box 5	7		Address			
	***************************************	<u>West Union,</u>	<u>WV 26456</u>					
	(b) Name				(b) Coal Owner	(s) with	Declaratio	n
	Address _				Name N/A			
					Address			
	(c) Name							
	Address _				Name			
					Address			
						***************************************		
6)	Inspector	Mike Underw	bood		(c) Coal Lesse	e with D	eclaration	
	Address	Rt. 2 Box 1	35 26426		Name N/A	.c wacii D	CCIGIACION	
	-	Salem, WV	26426	***************************************	Address			
	Telephone	(304)-		······································				
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		TO THE PER	SON(S) NAME	ח אפר	VE TAKE NOTICE	. מהגעות י		
			3011 (0) 1121123	<u>U AUC</u>	VE TAKE HOTICE	INAL.		
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Contr	racte by w	which I hal	d the right	5 OI	extract oil and	ng contr	act or	
VV	Included	is the inf	cre right	- CO E	xtract oil and	gas <u>uk</u>		
<del></del>	ion 8(d) c	the code	of West Wi	quire	d by Chapter 2	2B, Arti	cle 1,	
Jec	T cortifi	t the code	or west vi	rgini	a (see page 2)			
T has	r cercity	chat as r	equired und	er Cn	apter 22B of t	he West	<u>Virginia Co</u>	<u>de</u>
T HGV	e served	copies or	this notice	and	application, a	locatio	n plat, and	
accon	mbaulind o	ocuments p	ages 1 thro	ugh _	10 on the abov	e named	parties, by:	
	Pers	onal Servi	ce (Affidav	it at	tached)			
	<u>xx</u> Cert	ified Mail	. (Postmarke	d pos	tal receipt at	tached)		
	Publ	ication (N	lotice of Pu	blica	tion attached)			
	•							
	I have re	ead and und	lerstand Cha	pter	22B and 38 CSR	11-18,	and I agree	
to th	ne terms a	and conditi	ons of any	permi	t issued under	this ap	plication.	
	1 certify	'under pen	alty of law	that	I have person	ally exa	mined and a	m
famil	lar with	the inform	ation submi <sup>.</sup>	tted	on this applic	ation fo	rm and all	
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respo	nsible fo	r obtainin	g the inform	matic	n, I believe t	hat the	information	Z
is tr	ue, accur	ate, and c	omplete.				O = C =	
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San San	\≇i STATE CHVA	EST ALBUMA	Its:	m	esignated Agent			
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