







WR-35

18-Sep-98  
API # 47-017-04149 W

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

Reviewed 1/8

Well Operator's Report of Well Work

Farm name: WELLINGS, CHARLES JR Operator Well No.: ASH/HOLLAND 10

LOCATION: Elevation: 929.00 Quadrangle: WEST UNION  
District: WEST UNION County: DODDRIDGE  
Latitude: 6020 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude: 920 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY CORP  
501 56<sup>TH</sup> STREET  
CHARLESTON WV 25304

Agent: JOHN PALETTI

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/18/98  
Well work commenced: 10/09/98  
Well work completed: 10/09/98  
Verbal plugging

permission granted on:

Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_

Total Depth (feet) 5345' (DEC 1994)

Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) NONE

Is coal being mined in area? (Y/N) N

Coal Depths (ft) NONE

OPEN FLOW DATA

Producing Formation GORDON Pay zone depth (ft) 2398' - 2377.5'  
Gas: Initial open flow 189 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow N/A MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock pressure 68 psi (surface pressure) after 24 Hours

2nd Producing Formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psi (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.

By: John Paletti Agent  
Date: MARCH 10, 1999

D000 4149 W

MAR 29 1999

Checked by \_\_\_\_\_  
Permitted by \_\_\_\_\_

MAR 22 1999

WV Division of  
Environmental Protection

4/18/99

22 03

HOLLOW35

STAGE ONE:                   Gordon  
                                  22 holes (2398' - 2377.5') 25# cross link gel fracture, 500 gals 15%  
                                  /HCl, 31,100 lbs 20/40 sand.

Approved  
Class of Oil Gas  
Permit No

MAR 22 1999

By/ Director of  
Environmental Protection

**RECEIVED**  
WV Division of  
Environmental Protection

FEB 24 1995

22-Aug-94  
API # 47- 17-04149

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: WELLINGS, CHARLES JR. Operator Well No.: ASHLND/HOLND#10

LOCATION: Elevation: 929.00 Quadrangle: WEST UNION  
District: WEST UNION County: DODDRIDGE  
Latitude: 6020 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 920 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C  
P.O. BOX 820  
GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD  
Permit Issued: 08/22/94  
Well work Commenced: 11/30/94  
Well work Completed: 12/06/94  
Verbal Plugging  
Permission granted on: \_\_\_\_\_ Rig  
Rotary X Cable \_\_\_\_\_ 5345'  
Total Depth (feet) \_\_\_\_\_  
Fresh water depths (ft) 15', 440'  
Salt water depths (ft) 1547 (oil)

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 370' - 372'

OPEN FLOW DATA

"Commingled"  
Alexander, Benson, 3rd Riley, Riley, Balltown  
Producing formation \_\_\_\_\_ pay zone depth (ft) 5020' - 3796'  
Gas: Initial open flow 158 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 289 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1450 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 \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	272'	272'	CTS 150SXS
8-5/8"	941'	941'	CTS 235 SXS
4-1/2"	---	5092'	750SXS

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FOR: EASTERN AMERICAN ENERGY CORP.

BY: *[Signature]*  
Date: 2.23.95

MAR 10 1995

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

4 Stage Frac

STAGE ONE:

Alexander: 20 holes (4949'-5020'), Fraced w/energized water, 30 lbs gel/1000 gals, 55,000 lbs. of 20/40 sand, 500 gals of 15% HCl acid and 90,000 scf of N2.

STAGE TWO:

Benson/3rd Riley: 14 holes (4596'-4685'), Fraced w/energized water, 30 lbs gel/1000 gals, 30 lbs. gel/1000 gals, 30,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 64,000 scf of N2.

STAGE THREE:

Riley: 14 holes (4231.5'-4246'), Fraced w/energized water, 30 lbs gel/1000 gals, 40,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 88,000 scf of N2.

STAGE FOUR:

Balltown: 12 holes (3796.5'-3803'), Fraced w/energized water, 30 lbs. gel/1000 gals, 25,000 lbs of 20/40 sand, 500WELL LOG gals of 15% HCl acid and 61,000 scf of N2.

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Red rock & shale			0	10	Including indication of all fresh and salt water, coal, oil and gas
Sand			10	15	
Sand & shale			15	240	1 1/2" H2O @ 15' 1/2" H2O @ 440'
Red rock			240	245	
Sand & shale			245	282	GAS CHECKS
Red rock			282	287	
Sand			287	291	1284'-no show
Red rock.			291	310	1504'-no show
Sand			310	335	1628'-no show
Red rock & shale			335	370	1876'-22/10=1" w/H2O
Coal			370	372	2063'-36/10=1" w/H2O
Sand & shale			372	620	2499'-70/10=2" w/H2O
Sand			620	710	2749'-16/10=2" w/H2O
Red rock & shale			710	835	3025'-16/10=2" w/H2O
Sand & shale			835	890	3304'-16/10=2" w/H2O
Sand			890	915	3610'- 8/10=2" w/H2O
Sand & shale			915	1098	3896'- 8/10=2" w/H2O
Sand			1098	1120	4145'- 6/10=2" w/H2O
Sand & shale			1120	1368	4367'- 6/10=2" w/H2O
Sand			1368	1410	4736'- 6/10=2" w/H2O
Sand & shale			1410	1495	5082'- 6/10=2" w/H2O
Shale & red rock			1495	1520	5145'- 8/10=2" w/H2O
Sand			1520	1543	
Shale w/tr. sand			1543	1588	
Little lime			1588	1622	
Shale			1622	1636	
Big lime			1636	1714	
Keener			1714	1752	
Shale & lime			1752	1780	
Big Injun			1780	1795	
Shale			1795	1946	
Weir			1946	2035	
Shale			2035	2156	
Berea			2156	2162	
Shale w/tr. sand			2162	2377	
Gordon			2377	2398	

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
shale w/sme. sand			2390	3000	
farren			3000	3060	
shale w/tr. sand			3060	4231	
wiley			4231	4258	
shale w/tr. sand			4258	4676	
sonson			4676	4714	
shale w/tr. sand			4714	4936	
alexander			4936	5023	
shale			5023	5145	
TOTAL DEPTH				5145	

1000 0 1000





017-4149  
 Dated 08/22/94  
 Page 3 of 9  
 Expired 08/22/96

FORM WW-2B

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

Well Operator: Eastern American Energy Corporation / 19980 (8) 671

Operator's Well Number: Ashland/Holland # 10 3) Elevation: 929'

Well type: (a) Oil \_\_\_ or Gas XX/  
 (b) If Gas: Production XX/ Underground Storage \_\_\_  
 Deep \_\_\_ Shallow XX/

Proposed Target Formation(s): Alexander 439

6) Proposed Total Depth: 5145' feet

7) Approximate fresh water strata depths: 90', 150', 457', 569', 888'

8) Approximate salt water depths: None

9) Approximate coal seam depths: 253'-255', 361'-368'

10) Does land contain coal seams tributary to active mine? Yes \_\_\_ No XX/  
 11) Proposed Well Work: Drill and complete new well.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Fresh Water	11-3/4"	F-25	32.0	250'	250'	38CSR18-11.3 38CSR18-11.2.2
Coal	8-5/8"	F-25	20.0	930'	930'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	-----	5060'	38CSR18-11.1
Tubing						

Liners \* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 578' casing.

PACKERS : Kind \_\_\_\_\_ Sizes \_\_\_\_\_ Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only  
 Fee(s) paid: \_\_\_\_\_ Well Work Permit \_\_\_\_\_ Reclamation Fund \_\_\_\_\_ WPCP  
 Plat \_\_\_\_\_ WW-9 \_\_\_\_\_ WW-2B \_\_\_\_\_ Bond \_\_\_\_\_ Agent  
 (Type)

1) Date: August 4, 1994  
2) Operator's well number Asland/Holland #10  
3) API well No: 47 - 017 - 4149  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Charles Wellings, Jr.  
Address Rt. 18 South, Box 3  
West Union, WV 26456
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator: None  
Name N/A  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name N/A  
Address \_\_\_\_\_
- Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name N/A  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304) - \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR XXX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

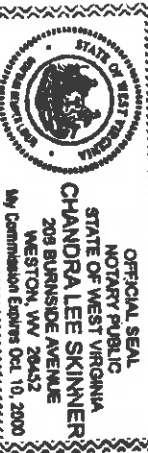
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by: XXX Personal Service (Affidavit attached)

XXX Certified Mail (Postmarked postal receipt attached)  
Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator Eastern American Energy Corporation  
By: John M. Galbreath  
Its: Designated Agent  
Address P. O. Box 820  
Glenville, WV 26351

Subscribed and sworn before me this 4th day of August, 1994.

My commission expires October 10, 2000 Chandra Lee Skinner Notary Public