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WV Division of
Environmental Protection

WR-35

SEP 03 1996

16-Aug-96
API # 47-017-04146

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: SPURGEON, LAURA JANE Operator Well No.: SPURGEON #6
LOCATION: Elevation: 1,196.00 Quadrangle: WEST UNION
District: WEST UNION County: DODDRIDGE
Latitude: 3730 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 10500 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY CORP
501 56TH STREET
CHARLESTON WV 26304

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD
Permit Issued: 08/15/94
Well work commenced: 05/03/96
Well work completed: 05/07/96
Verbal plugging
permission granted on: Rig
Rotary Cable
Total Depth (feet) 5533'
Fresh water depths (ft) 434'; 621'

Salt water depths (ft) 1427'

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

OPEN FLOW DATA (Co-mingled)

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1116'	1116'	275 SXS
4-1/2"	5497'	5497'	240 SXS

Producing Formation Alexander, (Benson, 3rd Riley, 2nd Riley), Riley
Pay zone depth (ft) 4638' - 5411'
Gas: Initial open flow 375 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 310 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock pressure 1310 psi (surface pressure) after 24 Hours

2nd Producing Formation _____ Pay zone depth (ft) _____ Bbl/d
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 _____ 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

For: MARK JENKINS, SENIOR DRILLING SUPERVISOR
EASTERN AMERICAN ENERGY CORPORATION

By: _____

Date: AUGUST 19, 1996

SEP 06 1996

017 4146

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sort & Fill			0	6	
Sand & Shale			6	24	
Red Rock & Shale			24	74	
Sand			74	96	
Red Rock			96	102	Damp at 434'
Sand			102	122	1/4" H ₂ O at 621'
Red Rock, Sand, Shale			122	261	Damp at 1427'
Sand			261	411	
Red Rock			411	430	
Sand, Shale, Red Rock			430	589	
Sand			589	680	
Red Rock			680	745	
Sand			745	770	
Sand, Red Rock			770	1240	
Sand, Shale			1240	2028	
Sand, Shale, Lime			2028	2076	
Big Lime			2076	2153	
Keener			2153	2201	
Big Injun			2201	2222	
Shale			2222	2374	
Weir			2374	2478	
Shale			2478	2580	
Berea			2580	2586	
Shale			2586	2722	
Gordon			2722	2824	
Shale w/Trace Sand			2824	3441	
Warren			3441	3501	
Shale w/Trace Sand			3501	4624	
Riley			4624	4675	
Shale			4675	4902	
Second Riley			4902	4931	
Shale			4931	4995	
Third Riley			4995	5029	
Shale			5029	5079	
Benson			5079	5118	
Shale			5118	5340	
Alexander			5340	5418	
Shale			5418	5533	
					TD

Including indication of all fresh & salt water coal, oil & gas

GAS CHECKS:

1490 No show
 1800 No show
 1861 No show
 1924 No show
 2074 No show
 2230 16/10 1" w/H₂O
 2603 12/10 1" w/H₂O
 2850 12/10 1" w/H₂O
 3383 4/10 1" w/H₂O
 3446 4/10 1" w/H₂O
 3508 4/10 1" w/H₂O
 3822 4/10 1" w/H₂O
 4228 16/10 1" w/H₂O
 4507 10/10 1" w/H₂O
 4724 30/10 1" w/H₂O
 4911 32/10 1" w/H₂O
 5036 32/10 1" w/H₂O
 5158 10/10 1" w/H₂O
 5439 18/10 1" w/H₂O
 TD 16/10 1" w/H₂O
 DC 8/10 1" w/H₂O

STAGE ONE:

Alexander
24 holes (5347' - 5411') Fractured with gelled water, 30# gel/1000 gals,
60,000 lbs 20/40 sand, 250 gal 15% HCl acid.

STAGE TWO:

Benson/3rd Riley/2nd Riley
16 holes (4919' - 5089') Fractured with gelled water, 30# gel/1000 gals,
50,000 lbs 20/40 sand, 250 gal 15% HCl acid.

STAGE THREE:

Riley
14 holes (4638' - 4671') Fractured with gelled water, 30# gel/1000 gals,
5,000 lbs 80/100 sand, and 40,000 lbs 20/40 sand, 500 gls 15% HCl acid.

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FORM WW-MB 2 6 01

017-4146
Issued 08/15/94
Expire 08/15/96
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Well Operator: Eastern American Energy Corporation /4980 8 671
Operator's Well Number: Spurgeon #6 3) Elevation: 1190'

Well type: (a) Oil ___ / or Gas XX/

(b) If Gas: Production XX/ Undergound Storage ___ /
Deep ___ / Shallow XX/

Proposed Target Formation(s): Alexander 429

6) Proposed Total Depth: 5523' feet

7) Approximate fresh water strata depths: 87', 165', 572'

8) Approximate salt water depths: 1537'

9) Approximate coal seam depths: 693-696'

10) Does land contain coal seams tributary to active mine? Yes ___ / No XX/

11) Proposed Well Work: Drill and complete new well.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4"	F-25	32.0	20'	---	---
Fresh Water	8-5/8"	F-25	20.0	1190'	1190'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	----	5438'	38CSR18-11.1
Tubing						
Liners						

*OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 5578 ft casing.

PACKERS : Kind

Sizes

Depths set

10/3/94

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)

Printed
Office of Oil & Gas

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Date: July 27, 1994
2) Operator's well number Spurgeon #6
3) API Well No: 47 - 017 - 4146
State - County - Permit

- 4) Surface Owner(s) to be served:
- (a) Name Laura Jane Spurgeon
Address Rt. 1, Box 38
West Union, WV 26456
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304) - _____
- 5) (a) Coal Operator:
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 _____

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 XX Included is the information required by Chapter 22B, Article 1, section 8(d) of the Code of West Virginia (see page 2)

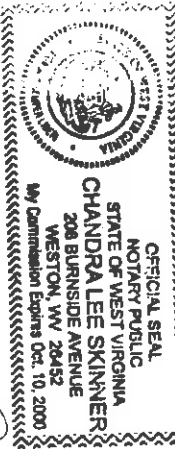
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by:

- XX Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- XX 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
Telephone (304) 462-5781

Subscribed and sworn before me this 27th day of July, 1994
My commission expires October 10, 2000
Wanda Lee Skinner Notary Public