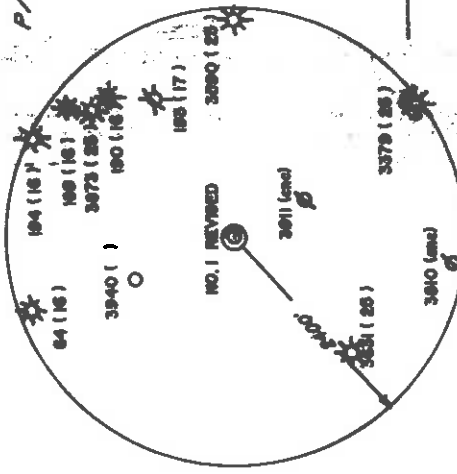
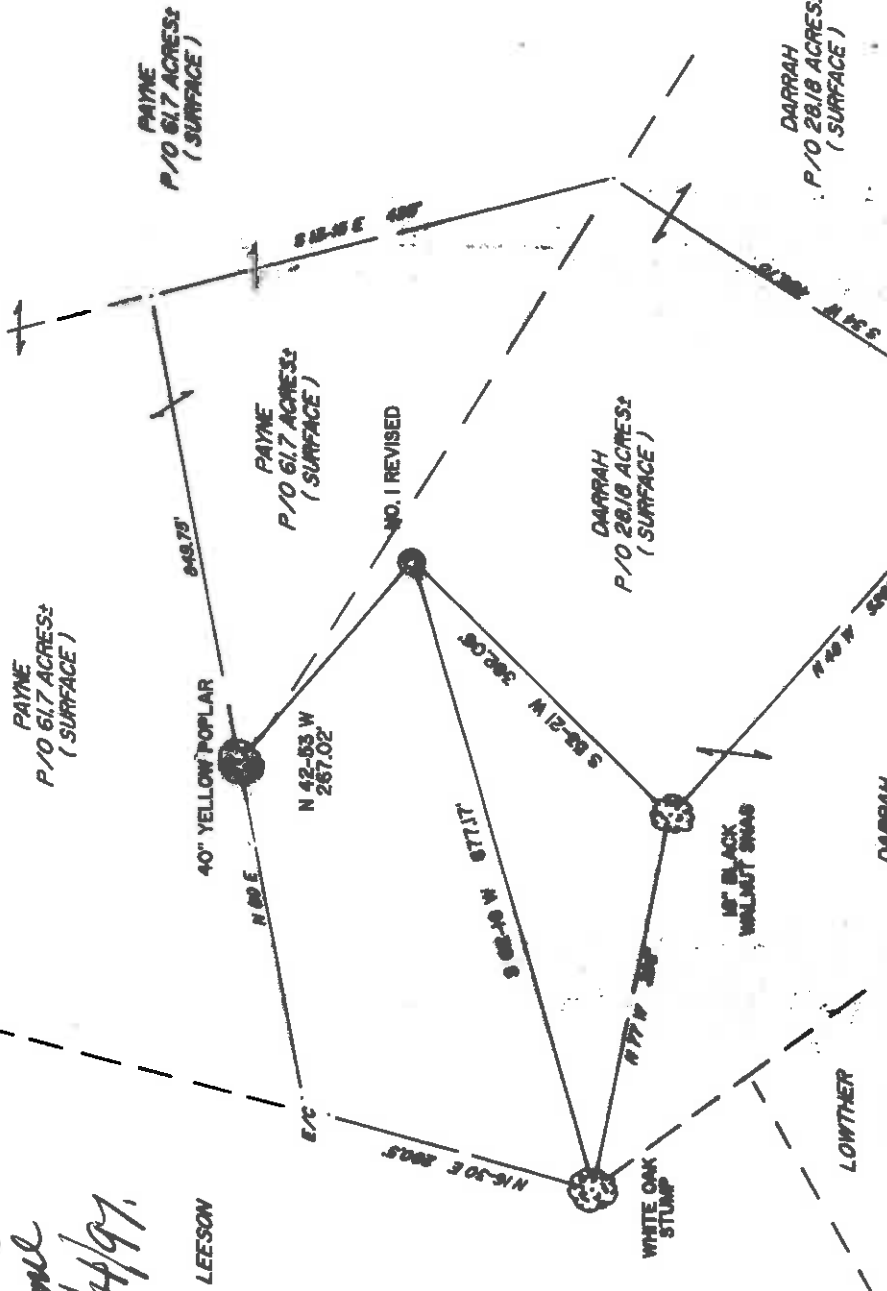
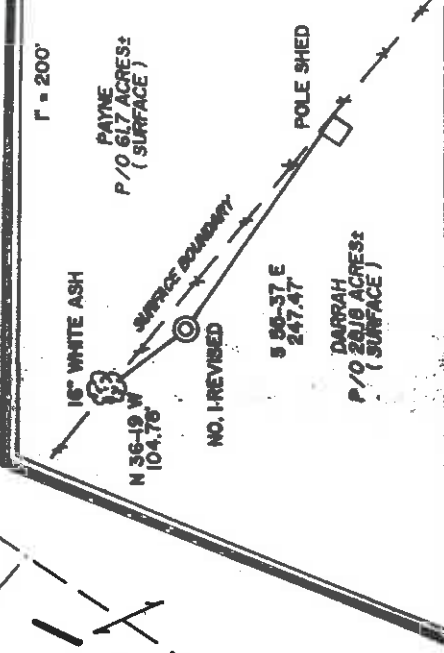


# B & M / HUSK LEASE 11.25 ACRES±

*Janice*  
*11/24/97*



## REFERENCES

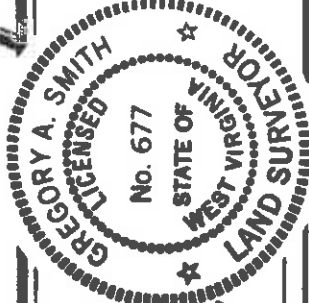


## WELL NO. 1 REVISED

*1.0.8*  
*88.8*

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. *Gregory A. Smith*  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 10, 19 93  
 OPERATORS WELL NO. B & M / HUSK NO. 1 REV.  
 API WELL NO. 47 - 017 - 04411  
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2723 ( 41-39 )  
 SCALE 1" = 200'  
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 884'

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1015' WATERSHED UPPER RUN

DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5' ACREAGE 11.25 P/O 28.18 LEASE ACREAGE 28.18 LEASE NO. WV 02006

SURFACE OWNER VIRGINIA M. DARRAH  
 ROYALTY OWNER WORTHY L. HUSK ET. AL.

PROPOSED WORK:  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5172'

COUNTY NAME PERMIT

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI NOV 07 1997  
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th St. CHARLESTON, WV 25304  
 6-6 133

**RECEIVED**  
WV Division of  
Environmental Protection

DEC 14 1997

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:** DARRAH, VIRGINIA, MRS. **Operator Well No.:** B & M HUSK #1

**LOCATION:** Elevation: 1015.00 **Quadrangle:** OXFORD

**District:** SOUTHWEST **County:** DODDRIDGE  
**Latitude:** 15150 **Feet South of 39 Deg.** 12 Min. 30 Sec.  
**Longitude:** 10150 **Feet West of 80 Deg.** 47 Min. 30 Sec.

**Company:** EASTERN AMERICAN ENERGY CORP  
501 56TH STREET  
CHARLESTON WV 25304

**Agent:** TIM SMITH

**Inspector:** MIKE UNDERWOOD

**Permit Issued:** 11/04/97

**Well work commenced:** 11/12/97

**Well work completed:** 11/17/97

**Verbal plugging**

**permission granted on:**

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

**Total Depth (feet):** 5175'

**Fresh water depths (ft):** 190'

**Salt water depths (ft):** 1707'

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

**Coal Depths (ft)** NONE

**OPEN FLOW DATA (Co-mingled)**

**Producing Formation:** Alexander, Benson/3rd Riley, Riley

**Pay zone depth (ft):** 4224' - 4283'

**Gas:** Initial open flow 211 MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 189 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 15 Hours

Static rock pressure 250 psi (surface pressure) after 24 Hours

2nd 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 \_\_\_\_\_ 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: MARK JENKINS, SENIOR DRILLING SUPERVISOR  
For: EASTERN AMERICAN ENERGY CORPORATION

Date: December 2, 1997

12-5-97

0174411

B&MUSK1.W35

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh & salt water, coal, oil & gas
Soil & Rock			0	43	
Sandy shale			43	178	
Red Rock			178	198	190-1/2" water
Sand & Sandy shale			198	584	
Red sand			584	587	
Sandy shale & Red Rock			587	700	
Sand & shale			700	1718	1707-damp, oil odor
Little lime			1718	1734	
Sand & shale & Lime			1734	1766	
Big Lime			1766	1847	
Big Injun			1847	1877	
Squaw			1877	1887	
Shale			1887	2044	1954-18/10 through 1" w/water
Weir			2044	2170	2048-20/10 through 1" w/water
Shale, Siltstone, Trace sand			2044	2170	2266-20/10 through 1" w/water
			2170	2439	2359-20/10 through 1" w/water
Gordon			2439	2473	
Shale with Trace sand			2473	3117	2638-10/10 through 1" w/water
Warren			3117	3155	2980-10/10 through 1" w/water
Speechley			3155	3266	
Shale with Trace sand			3266	3846	3540-20/10 through 1" w/water
Balltown			3846	3888	3849-18/10 through 1" w/water
Shale			3888	4263	4177-18/10 through 1" w/water
Riley			4263	4323	
Shale with Trace Siltstone			4323	4598	4423-16/10 through 1" w/water
Third Riley			4598	4636	
Shale			4636	4682	
Benson			4682	4720	
Shale with Trace sand			4720	4930	4734-28/10 through 1" w/water
Alexander			4930	5018	
Shale			5018	5175	5044-26/10 through 1" w/water
TD			5018	5175	

B&MUSK1.W35

15 stand down-  
22/10 through 1" w/water  
DC- odor

017 4411

B&MHUSK1.W35

STAGE ONE:

Alexander  
20 holes (4958'-4994') Fractured with 30 lbs/1000 gals gel, 47,000 lbs  
20/40 sand and 500 gals 15% HCL acid

STAGE TWO:

Benson/3rd Riley  
14 holes (4607' - 4689') Fractured with 30 lbs/1000 gals gel, 50,000 lbs  
20/40 sand and 500 gals 15% HCL acid

STAGE THREE:

Riley  
14 holes (4283' - 4301') Fractured with 30 lbs/1000 gals gel, 5,000 lbs  
80/100 sand, 40,000 lbs 20/40 sand and 500 gals 15% HCL acid

DEC 05 1997



**RECEIVED**  
 WV Division of  
 Environmental Protection  
 OCT 27 1997

526 Office of Oil & Gas  
 Permitting

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

- 1) Well Operator: Eastern American Energy Corporation 14980 (7)  
 2) Operator's Well Number: B&M Husk #1 3) Elevation: GL = 1015' / No. X  
 Doddridge County, WV  
 4) Well type: (a) Oil \_\_\_ / or Gas X /  
 (b) If Gas: Production X / Undergroud Storage \_\_\_ /  
 Deep \_\_\_ / Shallow X /  
 5) Proposed Target Formation(s): Alexander, Benson, Riley *Revised 11/04/97*  
 Expires 11/04/99  
 6) Proposed Total Depth: 5172 feet  
 7) Approximate fresh water strata depths: 30', 100', 125'  
 8) Approximate salt water depths: NONE  
 9) Approximate coal seam depths: NONE  
 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X  
 11) Proposed well work: drill and complete new well.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS		CEMENT		
	SIZE	GRADE	WEIGHT PER FT	FOR DRLLG	LEFT IN WELL	FILLUP (CU FT)
Conductor	11-3/4"	F-25	32.0	20'	0'	CTS 38CSR18-11.3 38CSR18-11.2.2
Fresh water	8-5/8"	F-25	20.0	925'	925'	CTS 38CSR18-11.3 38CSR18-11.2.2
Coal	9-5/8"	F-25	26.0	---	---	CTS 38CSR18-11.3 38CSR18-11.2.2
Intermediate	7" *	H-40	17.0	---	---	CTS 38CSR18-11.3 38CSR18-11.2.2
Production	4-1/2"	J-55	10.5	----	5087'	38CSR18-11.1
Tubing						
Liners						

\*OPTIONAL: Based upon coal or water being encountered below the 9-5/8" casing.

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

*09/10/97*  
 Fees Paid     Well Work Permit     Reclamation Fund     WPCP  
 Plat     WW-9     WW-2B     Bond \_\_\_\_\_     Agent  
 (Type)

**RECEIVED**  
WV Division of  
Environmental Protection  
OCT 27 1037

1) Date: \_\_\_\_\_  
Operator's well number \_\_\_\_\_  
2) B&M / Husk #1 \_\_\_\_\_  
3) API Well No: 47 - 017 - 4431 \_\_\_\_\_  
State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENTAL PROTECTION**  
**DIVISION OF ENVIRONMENTAL PROTECTION**  
**OFFICE OF OIL AND GAS**

**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served: 5) (a) Coal Operator:

(a) Name Ms. Virginia Darrah Name None  
Address P.O. Box 367 Address \_\_\_\_\_  
Edgewater, MD 21037

(b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name None  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_

6) Inspector Mr. Mike Underwood (c) Coal Lessee with Declaration  
Address Rt. 2, Box 135 Name None  
Salem, WV 26426 Address \_\_\_\_\_  
Telephone (304)- 782-1043

**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

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

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

Personal Service (Affidavit attached)  
 Certified Mail (Postmarked postal receipt attached)  
 Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 Paletti  
Its: Designated Agent  
Address 201 56th Street  
Charleston, WV 25304

Subscribed and sworn before me this 23 day of October, 1997

My commission expires June 28, 2005

