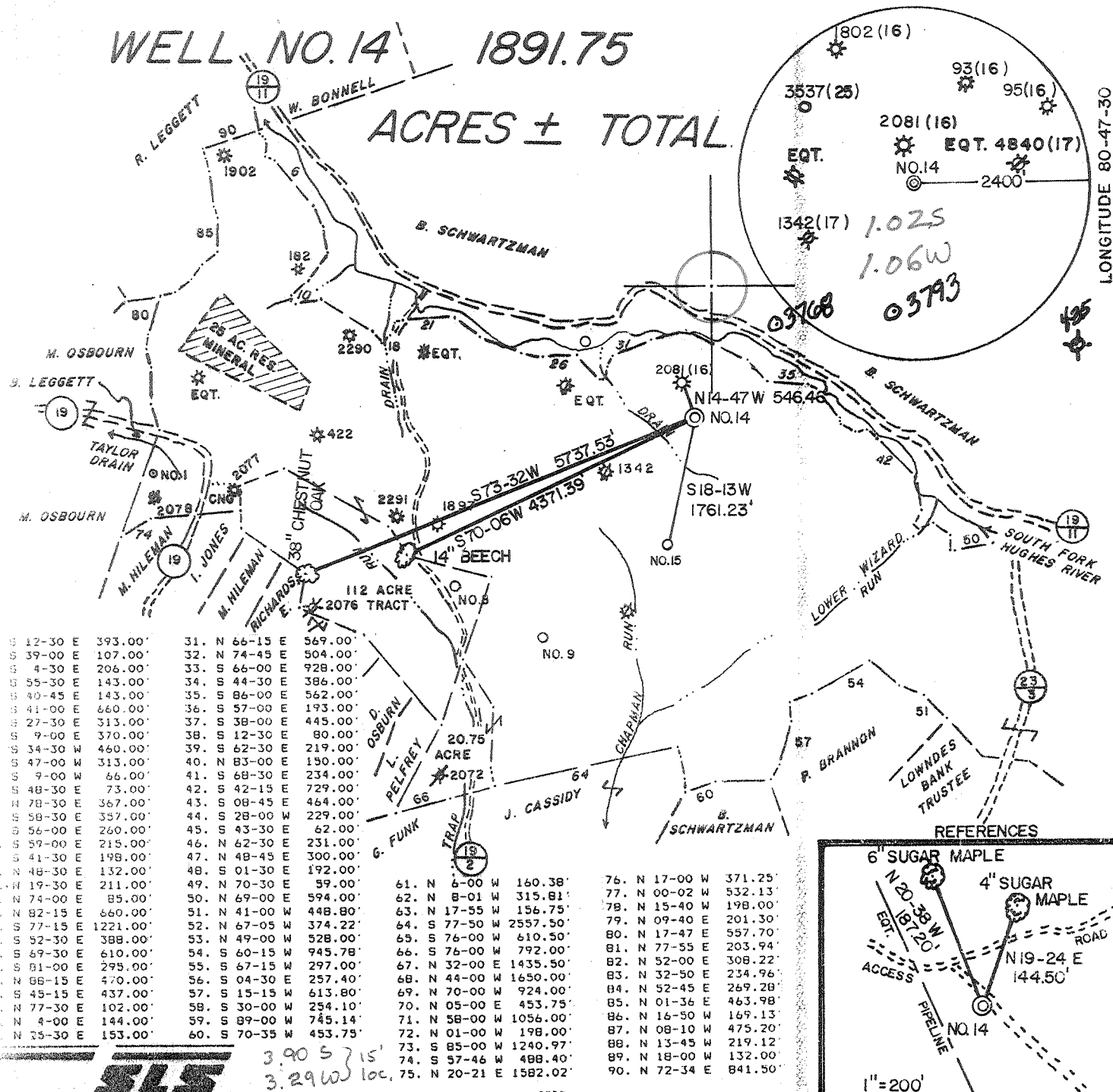


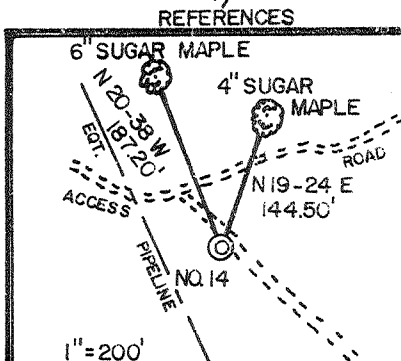
BLAUSER/W.B. MAXWELL LEASE

WELL NO. 14 1891.75

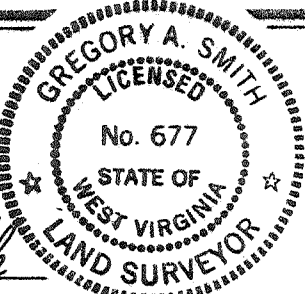
ACRES ± TOTAL



LONGITUDE 80-47-30
5430



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.



G.S. 77 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 2, 19 90
 OPERATORS WELL NO BLAUSER/W.B. MAXWELL
WELL NO. 14
WVDOD00114
 API WELL NO. 47 - 017 - 3792
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-40)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1291' SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1074' WATERSHED SOUTH FORK HUGHES RIVER Halbhook NE
 DISTRICT SOUTH WEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE P/O 1255.4 OF 4583.2
 OWNERSHIP OWNER W.B. MAXWELL HEIRS et.al. LEASE ACREAGE 1699 OF 1891.75
 PROPOSED WORK: LEASE NO. WVO1918-+
 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 5200'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56th ST. CHARLESTON, WV. 25304

259 FEB 23 1990

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

AUG. 27
Permitting
Oil and Gas Section

Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: BLAU/MAXWELL#14 W.B

LOCATION: Elevation: 1074.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 5430 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 5620 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX N
GLENNVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 02/21/90
Well work Commenced: 05/31/90
Well work Completed: 06/15/90
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5227'
Fresh water depths (ft) 123'
Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 591'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1237.85'	1237.85'	C.T.S.
4-1/2"	5166.15'	5166.15'	916
1-1/2"	---	4972.75'	---

OPEN FLOW DATA

Alexander, Benson/3rd Riley, 3901.5'

Producing formation Balltown (Commingled) Pay zone depth (ft) 5075.5'
 Gas: Initial open flow 833 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 622 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 1120 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

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: Rich Heffelfinger
EASTERN AMERICAN ENERGY CORP.
Rich Heffelfinger
By: Vice President - Regional Operations
Date: August 14, 1990

SEP 6 1990

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

3-STAGE FOAM FRAC:

- Stage 1: Alexander - 14 holes (5075.5'-5007') Breakdown 1870 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 55,300 scf of N₂
- Stage 2: Benson/3rd Riley - 12 holes (4735.5'-4656') Breakdown 1560 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 3,500 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 550,000 scf of N₂
- Stage 3: Balltown - 13 holes (4087'-3901.5') Breakdown 1690 psi, 70 Quality foam, 20 lbs/1000 gals Gel, 3,500 lbs 80/100 sand, 71,000 lbs 20/40 sand, 500 gals 15% HCl, 657,400 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			0	20	1/2" stream water @ 123'
Sand			20	120	
Coal			120	123	
Shale and Sand			123	150	
Red Rock			150	224	
Sand and Shale			224	298	
Red Rock			298	387	
Sand and Shale			387	420	
Shale			420	591	
Coal			591	596	
Red Rock and Shale			596	637	
Sand and Shale			637	710	
Shale			710	765	
Sand and Shale			765	1710	
Little Lime			1710	1720	
Sand and Shale			1720	1746	
Big Lime			1746	1810	
Big Injun			1810	1894	
Sandy Shale			1894	1984	
Weir			1984	2168	
Sandy Shale			2168	2243	
Berea			2243	2251	
Shale with Minor Sand			2251	3109	
Warren			3109	3162	
Shale with Minor Sand			3162	4646	
3rd Riley			4646	4680	
Shale with Minor Sand			4680	4731	
Benson			4731	4766	
Shale with Minor Sand			4766	4982	
Alexander			4982	5080	
Shale with Minor Sand			5080	5227 T.D.	

GAS CHECKS:

- 1702' - 10/10 thru 7" w/water
- 1860' - 6/10 thru 7" w/water
- 2016' - 6/10 thru 7" w/water
- 2206' - 4/10 thru 7" w/water
- 2605' - 8/10 thru 7" w/water
- 3071' - 4/10 thru 7" w/water
- 3324' - 4/10 thru 7" w/water
- 3915' - 4/10 thru 7" w/water
- 4196' - 4/10 thru 7" w/water
- 4415' - 4/10 thru 7" w/water
- 4602' - 4/10 thru 7" w/water
- 4823' - 4/10 thru 7" w/water
- 5103' - 4/10 thru 7" w/water
- T.D. - 4/10 thru 7" w/water
- D.C. - 4/10 thru 7" w/water

10/1/63

(Attach separate sheets as necessary)

FEB 05 1990

STATE OF WEST VIRGINIA

017 3792
Issued 2/21/90

Expires 2/21/92

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

- 1) Well Operator: Eastern American Energy Corporation *14980 (7) 525*
- 2) Operator's Well Number: Blauser/W.B. Maxwell #14 3) Elevation: 1074'
WVDOD 001114
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander *572*
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 221', 286', 380' *9403'*
- 8) Approximate salt water depths: None *2973'*
- 9) Approximate coal seam depths: None *418-421'*
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 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	Fill-up (cu. ft.)
Conductor	11 "	F-25	37.5	30'	-----	
Fresh Water	8-5/8"	J-55	20.0	1225'	1225'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	5115'	5115'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

8972
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Surety Agent
(Type)

RECEIVED
FEB 05 1990
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: January 26, 1990
2) Operator's well number
Blauser/W.B. Maxwell #14 - WVDOD001114
3) API Well No: 47 - 017 - 3792
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 Beatrice Schwartzman
Address 2520 30th Street, N.W.
Washington, DC 20008
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304)-782-1043

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
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 11 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- XX 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. Paletti
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 26th day of January, 1990

My commission expires July 2, 1996 Notary Public