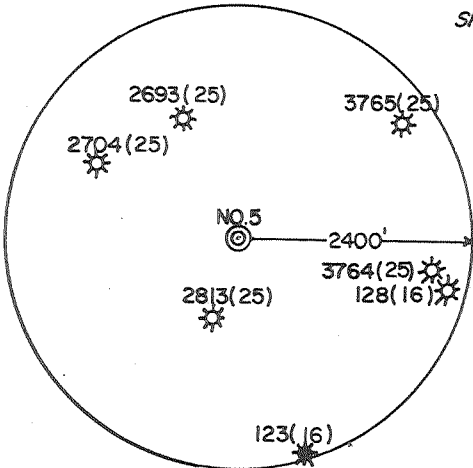
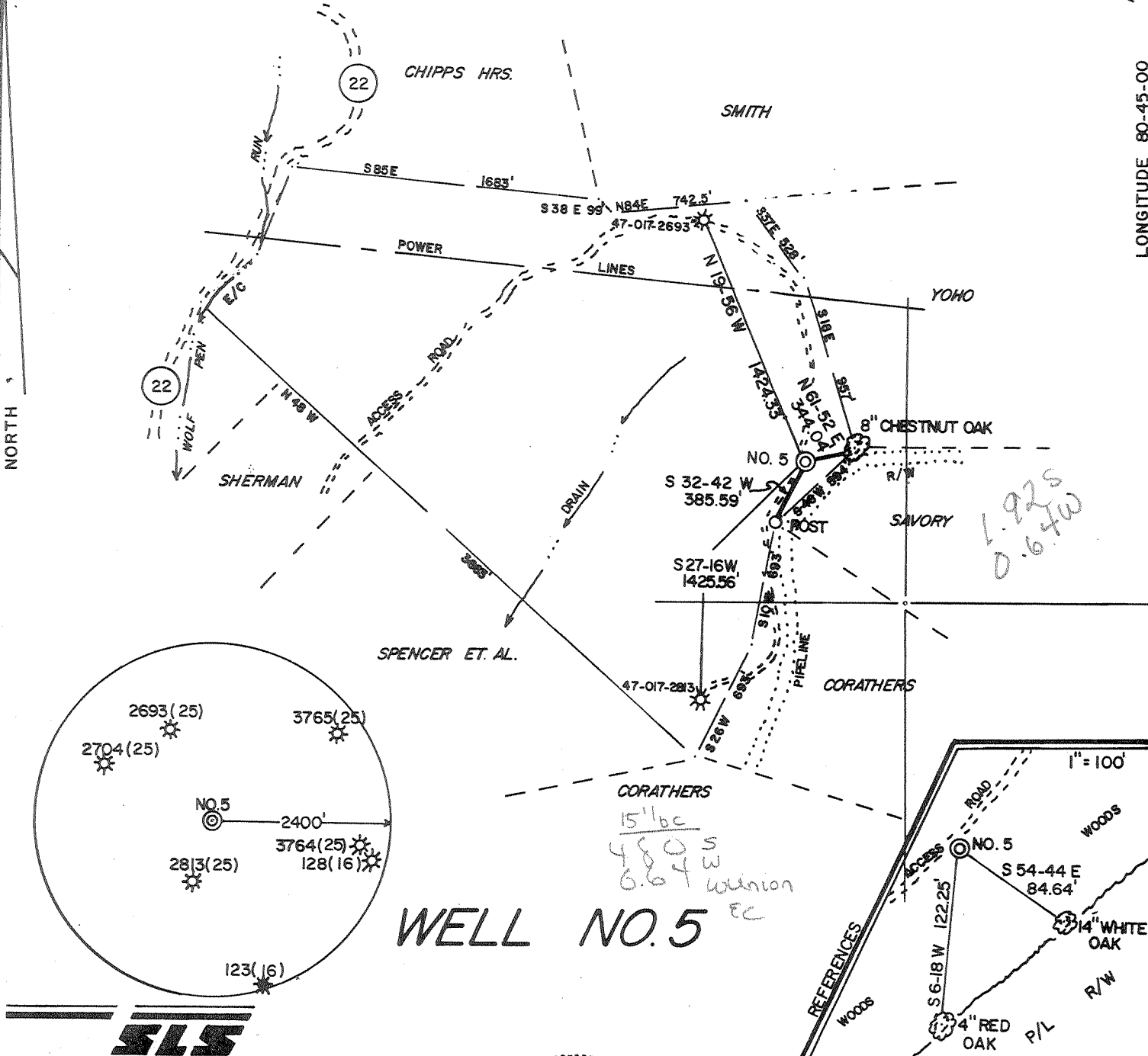


Janie 9/20/90

P. SMITH LEASE

125.48 ACRES ±

LONGITUDE 80-45-00



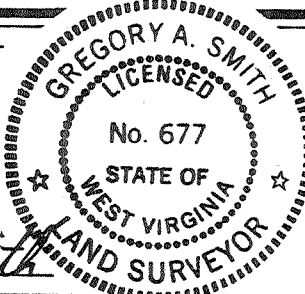
WELL NO. 5

*15' bc
480 s
0.64 w
union
ec*

*1.925
0.64 w*



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. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE AUGUST 20, 19 90
 OPERATORS WELL NO. P. SMITH NO. 5
 WV DODO001705
 API WELL NO. 47 - 017 - 3855
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2403 (33-29)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 862' SCALE 1" = 800'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1300' WATERSHED WOLFFPEN RUN
 DISTRICT WEST UNION 4 COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER S. PORTER SMITH ET. AL. ACREAGE 125.48
 ROYALTY OWNER T.J. SMITH HEIRS ET. AL. LEASE ACREAGE 125.48
 PROPOSED WORK: LEASE NO. WV01996-4
 DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
 PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION BENSON
 ESTIMATED DEPTH 5355 OCT 5 1990

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. 259 DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56th ST. CHARLESTON, WV. 25304

S/S

COUNTY NAME PERMIT

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

JAN 07 91

Well Operator's Report of Well Work

Farm name: SMITH PORTER S Operator Well No.: P. SMITH 5

LOCATION: Elevation: 1300.00 Quadrangle: WEST UNION

District: WESTUNION County: DODDRIDGE
Latitude: 10110 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 3410 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 09/28/90
Well work Commenced: 11/06/90
Well work Completed: 11/20/90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5522'
Fresh water depths (ft) 1085'

Salt water depths (ft) 2030'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1461'	1461'	C.T.S.
4-1/2"	5365.95'	5365.95'	252
1-1/2"	----	5268.15'	---

OPEN FLOW DATA

Producing formation Benson, Riley (Commingled) Pay zone depth (ft) 5320'-4870'
Gas: Initial open flow 267 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 103 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 620 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.

Rich Heffelfinger, Vice President - Regional Operations
For: EASTERN AMERICAN ENERGY CORP.

By: Rich Heffelfinger JAN 11 1991
Date: January 3, 1991

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

2-STAGE FOAM FRAC

Stage 1: Benson - 10 holes (5320'-5316') Breakdown 1940 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 58,000 lbs 20/40 sand, 500 gals 15% HCl, 658,000 scf of N₂

Stage 2: Riley - 13 holes (4888.5'-4870') Breakdown 3200 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5000 lbs 80/100 sand, 43,000 lbs 20/40 sand, 500 gals 15% HCl, 644,000 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
Top Soil			0	10	Hole wet @ 1085' w/1/2" Stream water Soap Hole
Sand and Shale			10	500	
Red Rock			500	715	1" stream of Water @ 2030' - Soap Hole
Sandy Shale			715	790	
Sand and Sandy Shale			790	935	<p><u>GAS CHECKS:</u></p> 2160' - No show 2221' - No show 2467' - No show 2808' - No show 3056' - No show 3516' - No show 3765' - No show 4195' - No show 4688' - No show 4965' - No show 5213' - No show 5305' - 10/10 thru 1" w/water 1 Tbg Down - 6/10 thru 1" w/water D.C. - 6/10 thru 1" w/water
Lime			935	965	
Sand and Shale			965	2196	
Little Lime			2196	2206	
Shale and Lime			2206	2236	
Big Lime			2236	2287	
Keener			2287	2352	
Big Injun			2352	2431	
Shale			2431	2550	
Weir			2550	2665	
Shale			2665	2792	
Berea			2792	2798	
Shale and Siltstone			2798	3654	
Warren			3654	3706	
Shale & Siltstone w/Tr. Sand			3706	4854	
Riley			4854	4904	
Shale w/Tr. Sand			4904	5301	
Benson			5301	5522 T.D.	

Well

(Attach separate sheets as necessary)

2874.

017-3855
Issued 9/28/90
Expires 9/28/92 Page 3 of 8

FORM WW-2B

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

- 1) Well Operator: Eastern American Energy Corporation 14980 (8) 670
- 2) Operator's Well Number: P. SMITH #5 WVDOD001705 3) Elevation: 1300'
- 4) Well type: (a) Oil / or Gas XX/
(b) If Gas: Production XX/ Underground Storage /
Deep / Shallow XX/
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5355 feet
- 7) Approximate fresh water strata depths: 95', 470'
- 8) Approximate salt water depths: 2070'
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No XX/
- 11) Proposed Well Work: Drill and complete new well.
- 12)

RECEIVED
Division of Energy
SEPT 12 90
Permitting
Oil and Gas Section

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	1425'	1425'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	5270'	5270'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

14013
25

For Division of Oil and Gas Use Only

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

1) Date: August 23, 1990
2) Operator's well number
P. Smith #5 - WVDOD001705
3) API Well No: 47 - 017 - 3855
State - County - Permit

RECEIVED
Division of Energy
SEPT 12 1990
Permitting
Oil and Gas

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 S. Porter Smith ✓
Address 286 N. Grafton St.
Romney, WV 26757
(b) Name Freeman P. Smith ✓
Address 4805 Falstone Ave.
Chevy Chase, MD 20815
(c) Name Preston C. Smith
Address 1821 Thunderbird Trail
Maitland, FL 32751
ADDITIONAL SURFACE OWNERS.....
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 None
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
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 8 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 John M. Paletti
Its: _____ Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 23rd day of August, 1990

My commission expires July 2, 1996 Notary Public
Jo Lorraine Rowe