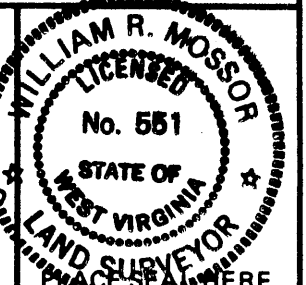


FILE NO. MBB-7  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INT. 1326' 6100' SE OF LOC.

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 MINES.  
 (SIGNED) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

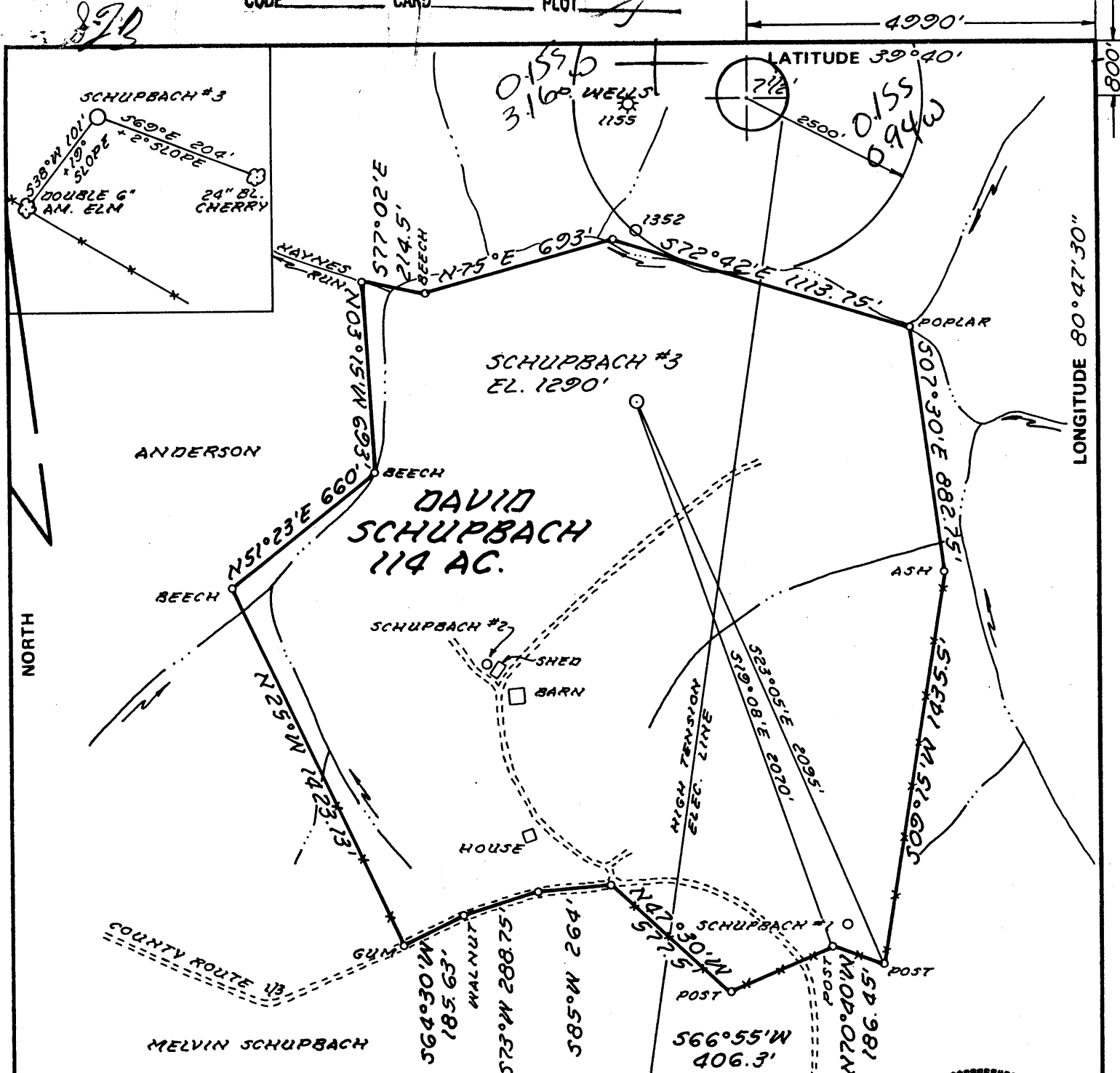


DATE 4 MAY, 19 86  
 OPERATOR'S WELL NO. SCHUPBACH #3  
 API WELL NO. \_\_\_\_\_  
47 - 103 - 1400 - F  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

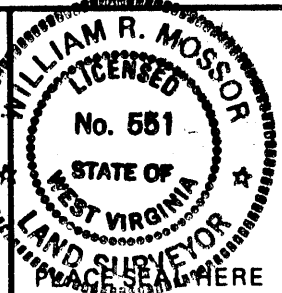
WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1290' WATER SHED HAYNES RUN  
 DISTRICT MAGNOLIA COUNTY NETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2 EC  
 SURFACE OWNER DAVID SCHUPBACH ACREAGE 114  
 OIL & GAS ROYALTY OWNER DAVID SCHUPBACH LEASE ACREAGE 114  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Final Well Formations Below New Big Spring, Kanawha  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION GORDON ESTIMATED DEPTH 3160' 3150' Compare with Gordon

Cobham Gas Industries, Inc. 5632 Alan Anderson  
 P.O. Box 1293 Same Address  
 Bridgeport, WVa. 26330-1293 PH: 304-842-9256



FILE NO. M88-7  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INT. 1326' 6100' SE OF LOC.

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 MINES.  
 (SIGNED) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE 4 MAY 19 86  
 OPERATOR'S WELL NO. SCHUPBACH #3  
 API WELL NO. \_\_\_\_\_  
47 - 103 - 1400  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1290' WATER SHED HAYNES RUN  
 DISTRICT MAGNOLIA 6 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2' 50' 691 ECL  
 SURFACE OWNER DAVID SCHUPBACH ACREAGE 114  
 OIL & GAS ROYALTY OWNER DAVID SCHUPBACH LEASE ACREAGE 114  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION GORDON ESTIMATED DEPTH 3100'  
 WELL OPERATOR CLAY RESOURCES DESIGNATED AGENT ANDY BROWN JUN 9 1986  
 ADDRESS 286 FRONT STREET 17A ADDRESS P.O. BOX 32  
MARIETTA, OHIO 45750 READER, WV 26167



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

**RECEIVED**  
MAY 04 1987

40,000 16 Sand Foam Frac  
20 perfs Gordon  
2976-2986 .49 diameter

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Sand & Shale			0	2206	
Injun			2206	2264	
Sand & Shale			2264	2550	
Weir			2550	2604	
Sand & Shale			2604	2744	
Berea			2744	2762	
Sand & Shale			2762	2972	
✓ Gordon			2972	2986	
Sand & Shale			2986	3150	
TD			<u>3150</u>		

(Attach separate sheets as necessary)

Clay Resources, Inc.

Well Operator

By: Sandra L. Schaefer

Date: April 30, 1987

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic  
detailed geological record of all formations, including  
minerals, encountered in the drilling of a well."

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

103 1400 Fra  
Issued 02/16/94

- 1) Well Operator: COBHAM GAS INDUSTRIES, INC. 10195 (6) 509
- 2) Operator's Well Number: D. SCHUPBACH #3 3) Elevation: 1200'
- Well type: (a) Oil  / or Gas  /
- (b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- Proposed Target Formation(s): BEREA, WEIR, BIG INJUN, KEENER
- Proposed Total Depth: 3150 feet
- Approximate fresh water strata depths: 164
- 8) Approximate salt water depths: 1565
- 9) Approximate coal seam depths: 1080
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /

11) Proposed Well Work: RUN BOND LOG, PERFORATE AND FRACTURE UP HOLE ZONES THAT ARE BEHIND PIPE WITH CEMENT COVERAGE ACROSS AND ABOVE THE ZONES.

*Remove Plus Annular with Kerosene production*

CASING AND TUBING PROGRAM

*Possible Squares*

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water						
Coal	8 5/8			1525	1525	TO SURFACE
Intermediate						
Production	4 1/2			3080	3080	200 SKS
Tubing						
Liners						

*Expanding from Well Records*

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

For Division of Oil and Gas Use Only

132 B

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond CD Blanket  Agent

(Type)

18619

RECEIVED

WV Dept.  
Environment

Permitting  
State of WV & Dept.

- 1) Date: JANUARY 10, 1994
- 2) Operator's well number D. SCHUPBACH #3
- 3) API Well No: 47 - 103 - 1400-F  
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 DAVID SCHUPBACH  
 Address ROUTE #1, BOX 23  
NEW MARTINSVILLE, WV 26155  
 (b) Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (c) Name \_\_\_\_\_  
 Address \_\_\_\_\_

5) (a) Coal Operator:  
 Name N/A  
 Address \_\_\_\_\_  
 (b) Coal Owner(s) with Declaration  
 Name N/A  
 Address \_\_\_\_\_  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_

6) Inspector RANDAL MICK  
 Address \_\_\_\_\_  
MANNINGTON, WV, 26582  
 Telephone (304)- 986-3324

(c) Coal Lessee with Declaration  
 Name N/A  
 Address \_\_\_\_\_

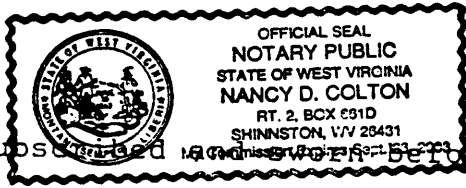
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X 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 \_\_\_\_\_ 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 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 COBHAM GAS INDUSTRIES INC.  
 By: Alan D. Anderson ALAN D. ANDERSON  
 Its: AGENT  
 Address P.O. BOX 1293  
BRIDGEPORT, WV 26330  
 Telephone 304-842-9256  
 I hereby certify this 10<sup>th</sup> day of JANUARY, 1994



My commission expires September 26, 2003 Nancy D. Colton Notary Public



1) Date: May 20, 1986  
 2) Operator's Well No. D. Schupbach #3  
 3) API Well No. 47 103 -1400  
 State County Permit

**RECEIVED**  
JUN - 2 1986

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep   
 5) LOCATION: Elevation: 1290 Watershed: Haynes Run  
 District: Magnolia County: Wetzel Quadrangle: New Martinsville 7.5'  
 6) WELL OPERATOR Clay Resources Inc CODE: 10025 7) DESIGNATED AGENT Andy Brown  
 Address 286 Front Street Address Box 32  
Marietta, OH 45750 Reader, WV 26167  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name MIKE UNDERWOOD Name Unknown  
 Address 2604 Crab Apple Lane Address \_\_\_\_\_  
Farmington WV 26554
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_

- 11) GEOLOGICAL TARGET FORMATION, Gordon  
 12) Estimated depth of completed well, 3100' feet  
 13) Approximate strata depths: Fresh, 162 feet; salt, 1840 feet.  
 14) Approximate coal seam depths: 2080 1051 Is coal being mined in the area? Yes  / No   
 15) CASING AND TUBING PROGRAM Permit # 1156

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>8 5/8</u>					<u>1050' - 1081</u>	<u>1050' - 1081</u>	<u>CTS</u>	per rule 15.05
Coal									Sizes
Intermediate									
Production	<u>4 1/2</u>					<u>3100</u>	<u>3100</u>	<u>500+SKS</u>	Depths set per rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-103-1400 Date June 5 1986

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
 Permit expires June 5, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
<input checked="" type="checkbox"/>	<u>FLB</u>	<u>AS</u>	<u>AS</u>	<u>2283</u>	<u>AS</u>	<u>AS</u>	

NOTE: Keep one copy of this permit posted at the drilling location.

John H. Johnston  
Director, Division of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File  
Margaret J. H...