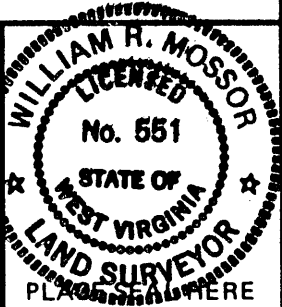


FILE NO. MB8-5
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INT. 1326' 4850' SE OF LOC.

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 #1
 API WELL NO. _____
47 - 103 - 1399
 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 1365' WATER SHED HAYNES RUN
 DISTRICT MAGNOLIA COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 772'509 091 EC4
 SURFACE OWNER DAVID SCHUPBACH ACREAGE NA
 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
 ADDRESS 286 FRONT STREET 172 ADDRESS P.O. BOX
MARIETTA, OHIO 45750 READER, WV 26167

1986



WR-35

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MAY 04 1987

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 30, 1987
Operator's
Well No. D. Schupbach # 1
Farm David Schupbach et al
API No. 47 - 103 - 1399

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1365' Watershed Haynes Run
District: Magnolia County Wetzel Quadrangle New Martinsville 7.5

COMPANY Clay Resources, Inc.
ADDRESS 286 Front Street, Marietta, Ohio 45750
DESIGNATED AGENT Andy Brown, Jr.
ADDRESS Box 32, Reader, W. Va. 26167
SURFACE OWNER David Schupbach et al
ADDRESS Rt 1 Box 23, New Martinsville, WV 26155
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Mike
Underwood ADDRESS Rt. 2, Box 135 Salem, W. Va. 26426
PERMIT ISSUED 6-5-86
DRILLING COMMENCED 11-18-86
DRILLING COMPLETED 11-23-86

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1579	1579	
7			
5 1/2			
4 1/2		3172	
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Gordon Depth 3100 feet
Depth of completed well 3200 feet Rotary X / Cable Tools
Water strata depth: Fresh N/A feet; Salt 1641 feet
Coal seam depths: 1155 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 3086-3096 feet
Gas: Initial open flow 60 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 15 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 450 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation N/A Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

MAY 11 1987

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

40,000 Lb. Sand Foam Frac

20 perfs Gordon
2848-2858 .49 diameter

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MAY 04 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	2281	
Injun			2281	2339	
Sand & Shale			2339	2517	
Weir			2517	2557	
Sand & Shale			2557	2703	
Berea			2703	2707	
Sand & Shale			2707	2842	
✓ Gordon			2842	2860	
Sand & Shale			2860	3200	
TD			<u>3200</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."

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WV Division of Environmental Protection

103-1399-F

Page of

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

Issued 02/14/94

Expires 02/14/96

JAN 14 94

- 1) Well Operator: COBHAM GAS INDUSTRIES, INC. ⁵⁶³² 10195 (6) 509
- 2) Operator's Well Number: _____ 3) Elevation: _____
- 4) 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: 3200 feet (PRESENTLY)
- Approximate fresh water strata depths: N/A
- Approximate salt water depths: 1641
- 9) Approximate coal seam depths: 1155
- 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 5 Coningle with Gordon. CASING AND TUBING PROGRAM

12) Possible squeeze job

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			1579	1579	TO SURFACE
Intermediate						
Production	4 1/2			3172	3172	200 SKS ? ? ? ?
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

132

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

Plat WW-9 WW-2B Bond (1) Blanket Agent
 (Type)

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Page 1 of
Form WW2-A
(09/87)
File Copy

WV Division of
Environmental Protection

JAN 14 94

Permitting
Office of Oil & Gas

1) Date: JANUARY 10, 1994
2) Operator's well number
D. SHUPRACH #1
3) API Well No: 47 - 103 - 1399-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 SHUPRACH
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 _____
- (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector RANDAL MICK
Address _____
MANNINGTON, WV, 26582
Telephone (304)- 986-3324

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)

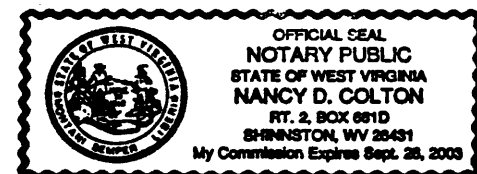
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ____ on the above named parties, by:

- ____ 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
Its: AGENT
Address P.O. BOX 1293
BRIDGEPORT, WV 26330
Telephone 304-842-9256



Subscribed and sworn before me this 10th 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 # 1
 3) API Well No. 47 103-1399

State _____ County _____ Permit _____
RECEIVED
 JUN - 2 1986

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

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 1365 Watershed: Haynes Run
 District: Magnolia County: Wetzel Quadrange: New Martinsville 528
- 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 John Ellis Name Unknown
 Address 240 Crab Apple Lane Address _____
Fairmont, WV 26564
- 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, 237 feet; salt, 1915 feet.
 14) Approximate coal seam depths: 2115 1126 Is coal being mined in the area? Yes _____ / No

15) CASING AND TUBING PROGRAM

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	8 5/8					1400	1400	CTS	per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					3100	3100	500+SKS	Depths set per rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-103-1399

June 5 19 86
 Date

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: <u>ASD</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>2283</u> <u>114</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other:
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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. Hesse