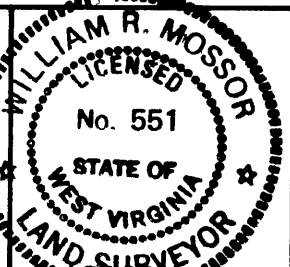


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. MB11-9  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INT. 675 (IN MARSHALL CO.)

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



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
**OIL AND GAS DIVISION**



DATE 14 NOVEMBER, 19 86  
 OPERATOR'S WELL NO. WOODS #2  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 660' WATERSHED PROCTOR CREEK  
 DISTRICT PROCTOR COUNTY NETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2' NW  
 SURFACE OWNER ROBERT W. WOODS ACREAGE 91  
 OIL & GAS ROYALTY OWNER ROBERT W. WOODS LEASE ACREAGE 91

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 3500'

Cobham Gas Industries, Inc/  
 P.O. Box 1293  
 Bridgeport, W.Va. 26330-1293  
 Alan D. Anderson  
 Same Address  
 PH: 304-842-9256

COUNTY NAME NETZEL  
 PERMIT 1413

FORM WW-6  
 H.T. HALL 9/30/75



State of West Virginia  
 Division of Environmental Protection  
 Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: WOODS, ROBERT W.

Operator Well No.: WOODS #2

LOCATION: Elevation: 660.00 Quadrangle: NEW MARTINSVILLE

District: PROCTOR County: WETZEL  
 Latitude: 2850 Feet South of 39 Deg. 42Min. 30 Sec.  
 Longitude 5460 Feet West of 80 Deg. 47 Min. 30 Sec. *Permitting Office of Oil & Gas*

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 OCT 07 1997

Company: COBHAM GAS INDUSTRIES, IN  
 231 DAVIS ST. P O BOX 1293  
 BRIDGEPORT, WV 00002-6330

Agent: Rick Underwood  
 Inspector: RANDAL MICK  
 Permit Issued: 10/10/95  
 Well work Commenced: 4-7-97  
 Well work Completed: 4-7-97  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_  
 Rotary Cable Rig  
 Total Depth (feet) 2370  
 Fresh water depths (ft) 80  
 Salt water depths (ft) 935  
 Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): 450

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8		893	
4 1/2		2360	

ALL CASING WAS EXISTING.

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2240-50  
 Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 100 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests 24 hrs Hours  
 Static rock Pressure 120 psig (surface pressure) after 48 Hours

Second producing formation None 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.

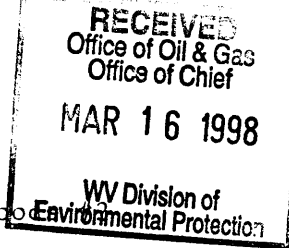
For: COBHAM GAS INDUSTRIES, INC.

By: Rick Underwood  
 Date: 8/22/97

FRAC . GORDON 2240-2250(20 shots) CROSS LINK FRAC WITH 15,000 lb Sand ; 500 gal acid.

State of West Virginia  
 Division of Environmental Protection  
 Section of Oil and Gas

API # 47-103-1413-F



Well Operator's Report of Well Work

Farm name: Robert Woods

Operator Well No.: Wood

LOCATION: Elevation: 660 Quadrangle: New Martinsville

District: Proctor County: Deg. 42 Min. 30 Sec.  
 Latitude: 2850 Feet South of 39 Deg. 47 Min. 30 Sec.  
 Longitude 5460 Feet West of 80

Company: COBHAM GAS INDUSTRIES, IN

Agent: RICK UNDERWOOD

Inspector: RANDAL MICK  
 Permit Issued: 10/10/95  
 Well work Commenced: 3/20/97  
 Well work Completed: 3/26/97  
 Verbal Plugging \_\_\_\_\_  
 Permission granted on: \_\_\_\_\_  
 Rotary Cable Rig \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_  
 Fresh water depths (ft) \_\_\_\_\_  
 Salt water depths (ft) \_\_\_\_\_  
 Is coal being mined in area (Y/N)? \_\_\_\_\_  
 Coal Depths (ft): \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill U Cu. Ft
* 8 5/8	893	893	
* 4 1/2	2320	2320	
2 7/8	2262	0	0

OPEN FLOW DATA

\*Existing Casing

Producing formation Gordon Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl  
 Final open flow 250 MCF/d Final open flow 0 Bbl  
 Time of open flow between initial and final tests \_\_\_\_\_ Hou  
 Static rock Pressure 500 psig (surface pressure) after 12 Hou

Second producing formation None Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl  
 Time of open flow between initial and final tests \_\_\_\_\_ Hou  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hou

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATION INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATION INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Cobham Gas Industries, Inc.  
 For: COBHAM GAS INDUSTRIES, INC.

By: [Signature] CONSULTANT  
 Date: May 16, 1997

MAR 13 1998

1413 F



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. Woods # 2  
Farm Robert Woods et al  
API No. 47 - 103 - 1413

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: 660' Watershed Proctor Creek  
District: Proctor County Wetzel Quadrangle New Martinsville 7.5

COMPANY Clay Resources, Inc.  
ADDRESS 286 Front Street, Marietta, Ohio 45750  
DESIGNATED AGENT Andy Brown, Jr.  
ADDRESS P.O. Box 32, Reader, W. Va. 26167  
SURFACE OWNER Robert Woods et al  
ADDRESS Box 52, Rt 2, 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 12-29-86  
DRILLING COMMENCED 1-7-87  
DRILLING COMPLETED 1-10-87  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON     

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	893	893	CTS
7			
5 1/2			
4 1/2		2320	200
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2500 feet  
Depth of completed well 2350 feet Rotary X / Cable Tools       
Water strata depth: Fresh 80 feet; Salt 935 feet  
Coal seam depths: 450 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Injun Pay zone depth 1434-1446 feet  
Gas: Initial open flow 400 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 245 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 72 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.

20 perfs <sup>Injun</sup> 1434-1446 .49 diameter

No Frac - Natural

**RECEIVED**  
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	1434	
Injun			1434	1562	
Sand & Shale			1562	1790	
Weir			1790	1810	
Sand & Shale			1810	1994	
Berea			1994	2014	
Sand & Shale			2014	2248	
Gordon			2248	2270	
Sand & Shale			2270	2350	
TD			<u>2350</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 coal, encountered in the drilling of a well."

OCT 10 1995

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

- Permitting Office of Oil & Gas Operator: 5632 Cobham Gas Industries, Inc 10195 (7) 509
- 2) Operator's Well Number: Woods # 2 3) Elevation: 660
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
 (b) If Gas: Production X / Underground Storage \_\_\_ /  
 Deep \_\_\_ / Shallow X /
- 21233 Proposed Target Formation(s): 419 Stimulate Gordon
- Proposed Total Depth: 2250 feet
- Approximate fresh water strata depths: 80
- Approximate salt water depths: 935
- 9) Approximate coal seam depths: 450
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 11) Proposed Well Work: Run tubing on a packer ; Perforate Gordon ; Frac Gordon
- 12)

Issued 10/10/95  
 Expires 10/10/97

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	8 5/8	ERW	20	893	893	
Coal	8 5/8	ERW	20	893	893	
Intermediate						
Production	4 1/2	J55	9.5	2360	2320	200 SKS
Tubing						
Liners						

*Handwritten notes:*  
 O.S.  
 Gas  
 top around 1200?

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

For Division of Oil and Gas Use Only

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



Operator's Copy  
PLEASE RETAIN FOR YOUR RECORDS

**RECEIVED**  
WV Division of  
Environmental Protection  
OCT 10 1995  
Permitting  
Office of Oil & Gas

- 1) Date: June 2, 1995
- 2) Operator's well number  
Woods # 2
- 3) API Well No: 47 - 103 - 1413-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 Robert W. Woods  
 Address Route 7  
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 N/A  
 Address \_\_\_\_\_

6) Inspector Randy Mick  
 Address Mannington, WV 26052  
 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  
 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)

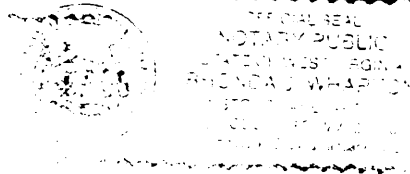
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.  
 I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, 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 2nd day of June, 1995

Rhonda J. Wharton Notary Public  
 My commission expires January 15, 2004



**RECEIVED**  
DEC 09 1986



1) Date: November 24, 1986  
 2) Operator's Well No. Woods #2  
 3) API Well No. 47 103-1413  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )  
 5) LOCATION: Elevation: 660' Watershed: Proctor Creek 508  
 District: Proctor 7 County: Wetzel 103 Quadrangle: New Martinsville 7 1/2  
 6) WELL OPERATOR Clay Resources, Inc. CODE: 10025 7) DESIGNATED AGENT Andy Brown, Jr.  
 Address 286 Front Street Address Box 32  
Marietta, Ohio 45750 Reader, WV 26167  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Mike Underwood Name N/A  
 Address Route 2, Box 135 Address \_\_\_\_\_  
Salem, WV 26426  
 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, \_\_\_\_\_ feet; salt, 1639' feet.  
 14) Approximate coal seam depths: 460' Is coal being mined in the area? Yes  / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP 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>880'</u>	<u>880'</u>	<u>CTS</u>	Per rule 15.05
Coal									Sizes
Intermediate									
Production	<u>4 1/2</u>					<u>3100 Approx.</u>	<u>3100 approx.</u>	<u>310 SKS</u>	<u>25</u> depths set per rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-103-1413 Date December 29 19 86

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 December 29, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>82B</u>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>4137</u> <u>158</u>	WROP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <u>W.V.</u>
---	-------------------	---	---	--------------------------------	---	--	--------------------

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

[Signature]  
 Director, Division of Oil and Gas

File

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