

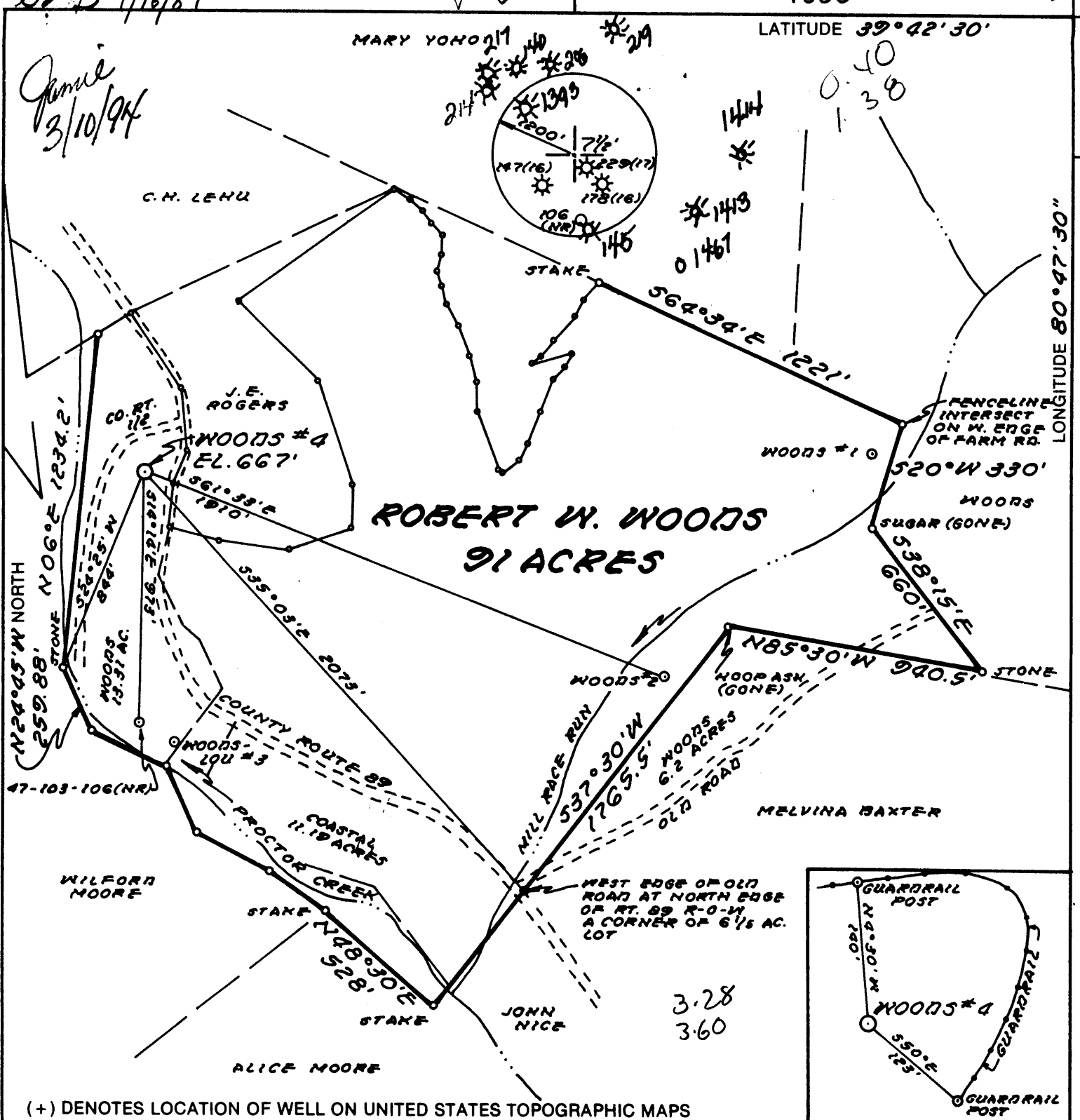
8213 1/16/87

7300'

LATITUDE 39° 42' 30"

LONGITUDE 80° 47' 30"

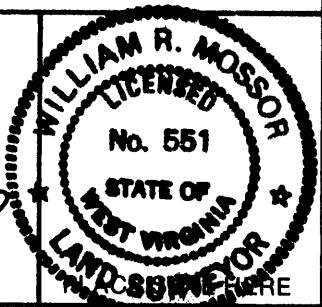
Janie
3/10/94



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

FILE NO. MB11-9, 12, 13
 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 10 JANUARY, 19 87
 OPERATOR'S WELL NO. WOODS #4
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 667' WATERSHED PROCTOR CREEK
 DISTRICT PROCTOR COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 7 1/2' N. Md. N6
 SURFACE OWNER ROBERT W. WOODS ACREAGE 13.31
 OIL & GAS ROYALTY OWNER ROBERT W. WOODS, ET AL. LEASE ACREAGE 91

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) Frac New Formations - Bear, Meid, Big Spring, Stearn, Norton
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 3500' 2220' - 2240'

Cobham Gas Industries, Inc.
 P.O. Box 1293
 Bridgeport, wva. 26330-1293

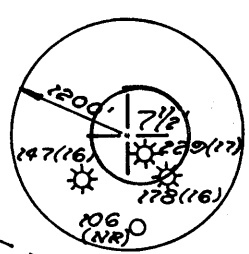
— Alan Anderson
 — Same Address
 — PH: 304-842-9256

COUNTY NAME WEST
 PERMIT 1417

82B 1/16/87

7300' 39 45
LATITUDE 39° 42' 30"

MARY YOHO



0.405
1.38W

C.H. LEHU

J.E. ROGERS

ROBERT W. WOODS
91 ACRES

FENCELINE INTERSECT ON W. EDGE OF FARM RD.

WOODS SUGAR (GONE)

WOODS #1

WOODS #4
EL. 667'

124° 45' W NORTH
259.88' STONE N06° E 1234.2'

WOODS #3
13.31 AC.

COUNTY ROUTE 89
WOODS #3

MILL RACE RUN
WOODS #2
537° 30' W
1765.5'

WOODS #2
6.2 ACRES
OLD ROAD

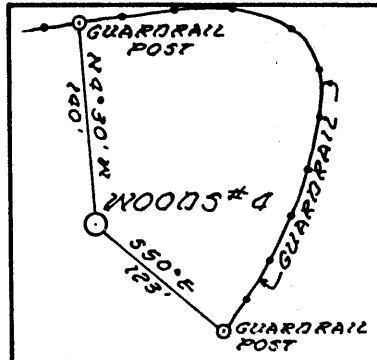
MELVINA BAXTER

WILFORD MOORE

ALICE MOORE

JOHN NICE

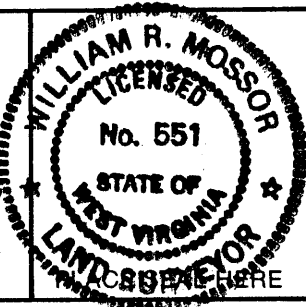
WEST EDGE OF OLD ROAD AT NORTH EDGE OF RT. 89 R-O-W A CORNER OF 6 1/8 AC. LOT



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

FILE NO. MB11-9, 12, 13
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) [Signature]
R.P.E. _____ L.L.S. 551



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE 10 JANUARY 19 87
OPERATOR'S WELL NO. WOODS #4
API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 667' WATERSHED PROCTOR CREEK
DISTRICT PROCTOR 1 COUNTY WETZEL
QUADRANGLE NEW MARTINSVILLE 7 1/2' 509 091 NE 3
SURFACE OWNER ROBERT W. WOODS ACREAGE 13.31
OIL & GAS ROYALTY OWNER ROBERT W. WOODS, ET AL. 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'
WELL OPERATOR CLAY RESOURCES DESIGNATED AGENT ANDY BROWN
ADDRESS 286 FRONT STREET ADDRESS P.O. BOX 32
MARIETTA, OHIO 45750 READER, WV 26167

FEB 18 1987

6-D Cameron-Garner (23)

FORM WW-6
H.T. HALL 48873

COUNTY NAME
PERMIT

JAN 06 1995

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

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: WOODS, ROBERT W.

Operator Well No.: WOODS #4

LOCATION: Elevation: 667.00 Quadrangle: NEW MARTINSVILLE

District: PROCTOR County: WETZEL
 Latitude: 2080 Feet South of 39 Deg. 42Min. 30 Sec.
 Longitude 7300 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: COBHAM GAS INDUSTRIES, IN
 P.O. BOX 1293
 BRIDGEPORT, WV 26330-1293

Agent: A. D. ANDERSON

Inspector: RANDAL MICK
 Permit Issued: 03/10/94
 Well work Commenced: 3/10/94
 Well work Completed: 5/13/94
 Verbal Plugging
 Permission granted on: _____
 Rotary _____ Cable _____ Rig _____
 Total Depth (feet) 2350'
 Fresh water depths (ft) 75'

Salt water depths (ft) 942'

Is coal being mined in area (Y/N)? Y
 Coal Depths (ft): 417

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			TO SURFACE
8 5/8"		894'	
\$!?@"		2332'	200SKS

OPEN FLOW DATA

Producing formation Weir Pay zone depth (ft) 1770'
 Gas: Initial open flow 15 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 5 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 400 psig (surface pressure) after 72 Hours

Second producing formation Big Injun/Keener Pay zone depth (ft) 1410'
 Gas: Initial open flow 5 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 5 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 400 psig (surface pressure) after 72 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: [Signature]
 Date: 12/31/94

Perforations: Weir - 29 shots from 1770' to 1832'

Big Injun/Keener - 38 shots from 1410' to 1468'

Fracturing: Weir - 11400 gal of H₂O and 2000 lbs of sand

Big Injun/Keener - 3000 gal of 10% HCL and H₂O



WR-35

RECEIVED
MAY 04 1987

State of West Virginia

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 30, 1987

Operator's Well No. Woods # 4
Farm Robert Woods et al
API No. 47 - 103 - 1417

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: 667' 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 Rt 2, Box 52, 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 2-9-87
DRILLING COMMENCED 2-16-87
DRILLING COMPLETED 2-20-87
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	894'	894'	CTS
7			
5 1/2			
4 1/2		2332	200
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth feet
Depth of completed well 2350 feet Rotary x / Cable Tools
Water strata depth: Fresh 75 feet; Salt 942 feet
Coal seam depths: 417 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2500 feet
Gas: Initial open flow 20 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 16 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 Lbs Sand Foam Frac

20 perms. Gordon 2220-2240 .49 diameter

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	1409	
Injun			1409	1544	
Sand & Shale			1544	1778	
Weir			1778	1850	
Sand & Shale			1850	1976	
Berea			1976	1980	
Sand & Shale			1980	2220	
Gordon			2220	2240	
Sand & Shale			2240	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."

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

Issued 03/10/94

Expires 03/10/96

MAR 08 94

Permitting
Office of

Operator: COBHAM GAS INDUSTRIES, ETC. 5630 10195 ⑦ 509

Operator's Well Number: WOODS #4 3) Elevation: 66.7

Well type: (a) Oil or Gas

(b) If Gas: Production / Underground Storage
Deep / Shallow

Proposed Target Formation(s): BEREA, VBR, BIG INJUN, KEEPER, MARTIN

Proposed Total Depth: 2365 feet *original Production Record 2220-2240'*

Approximate fresh water strata depths: 75

Approximate salt water depths: 942

Approximate coal seam depths: 417

Does land contain coal seams tributary to active mine? Yes / No

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

possible salvage job

*Remove temporary plug
concrete with original production*

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			894'	894'	TO SURFACE
Intermediate						
Production	4 1/2			2332	2332	200 SACKS
Tubing						
Liners						

Existing from Well Records

PACKERS: Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

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

18792

1) Date: MARCH 3, 1994
2) Operator's well number
WOODS #4
3) API Well No: 47 - 103 - 1417 - FRA
State - County - Permit

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

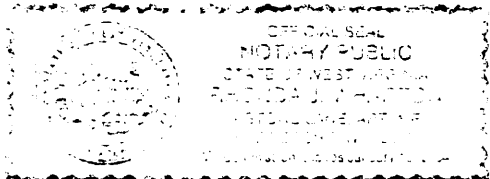
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

<p>4) Surface Owner(s) to be served: (a) Name <u>ROBERT W. WOODS</u> Address <u>ROUTE 7</u> <u>NEW MARTINSVILLE, WV 26155</u> (b) Name _____ Address _____ (c) Name _____ Address _____</p>	<p>5) (a) Coal Operator: Name _____ Address _____ (b) Coal Owner(s) with Declaration Name _____ Address _____ (c) Coal Lessee with Declaration Name _____ Address _____</p>
<p>6) Inspector <u>RANDY MICK</u> Address _____ Telephone (304)- _____</p>	

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 CR. O. OIL
 Its: AGENT
 Address P.O. Box 1293
BRIDGEPORT, WV 26330
 Telephone 304-842-9256

Subscribed and sworn before me this 2ND day of MARCH, 1994

Rhonda J. W. [Signature] Notary Public
 My commission expires January 15, 2004

(Obverse)
7/85

RECEIVED
JAN 15 1987



1) Date: January 13, 1987
 2) Operator's Well No. Woods #4
 3) API Well No. 47 103 1417
 State County Permit

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 / Shallow)
- 5) LOCATION: Elevation: 667' / Watershed: Proctor creek / District: Proctor 7 / County: Wetzel 103 / Quadrangle: New Martinsville 7 1/2' 508
- 6) WELL OPERATOR Clay Resources, LOODE: 10025 / 7) DESIGNATED AGENT Andy Brown
 Address 286 Front Street / Address Box 32
 Marietta, Ohio 45750 / Reader, WV 26167
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood / 9) DRILLING CONTRACTOR: 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, 1646' feet.
 14) Approximate coal seam depths: 467' 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					880'	880'	CTS	Per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					3100 approx.	3100 approx.	3105Ks	Depths set per rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-103-1417 Date February 9 19 87

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 February 9, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: ALB	Plat: AS	Casing: AS	Fee: 4287 169	WPCP: AS	S&E: AS	Other:
-------	------------	----------	------------	------------------	----------	---------	--------

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

Director, Division of Oil and Gas File

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