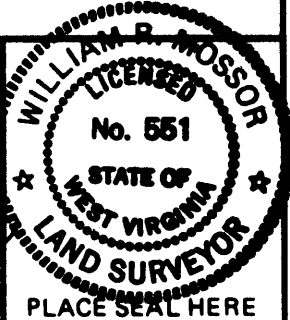



FILE NO. MB4-2,8-6  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 47-103-1361 (BRYAN #1) - 1351'

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)



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

DATE 3 MAY 19 86  
 OPERATOR'S WELL NO. DAVID #1  
 API WELL NO. 47-103-01403-F  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1259' WATER SHED HAYNES RUN  
 DISTRICT PROCTOR COUNTY NETZEL  
 QUADRANGLE NEW MARTINSVILLE 712'  
 SURFACE OWNER JUDY M. LONG ACREAGE 200  
 OIL & GAS ROYALTY OWNER HARRY L. NICE LEASE ACREAGE 200  
 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) \_\_\_\_\_  
Check for Squary job Set Temporary Plug Free Round & Big Angles. Remove Plug  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ Conclude.  
 TARGET FORMATION GORDON ESTIMATED DEPTH 3500'

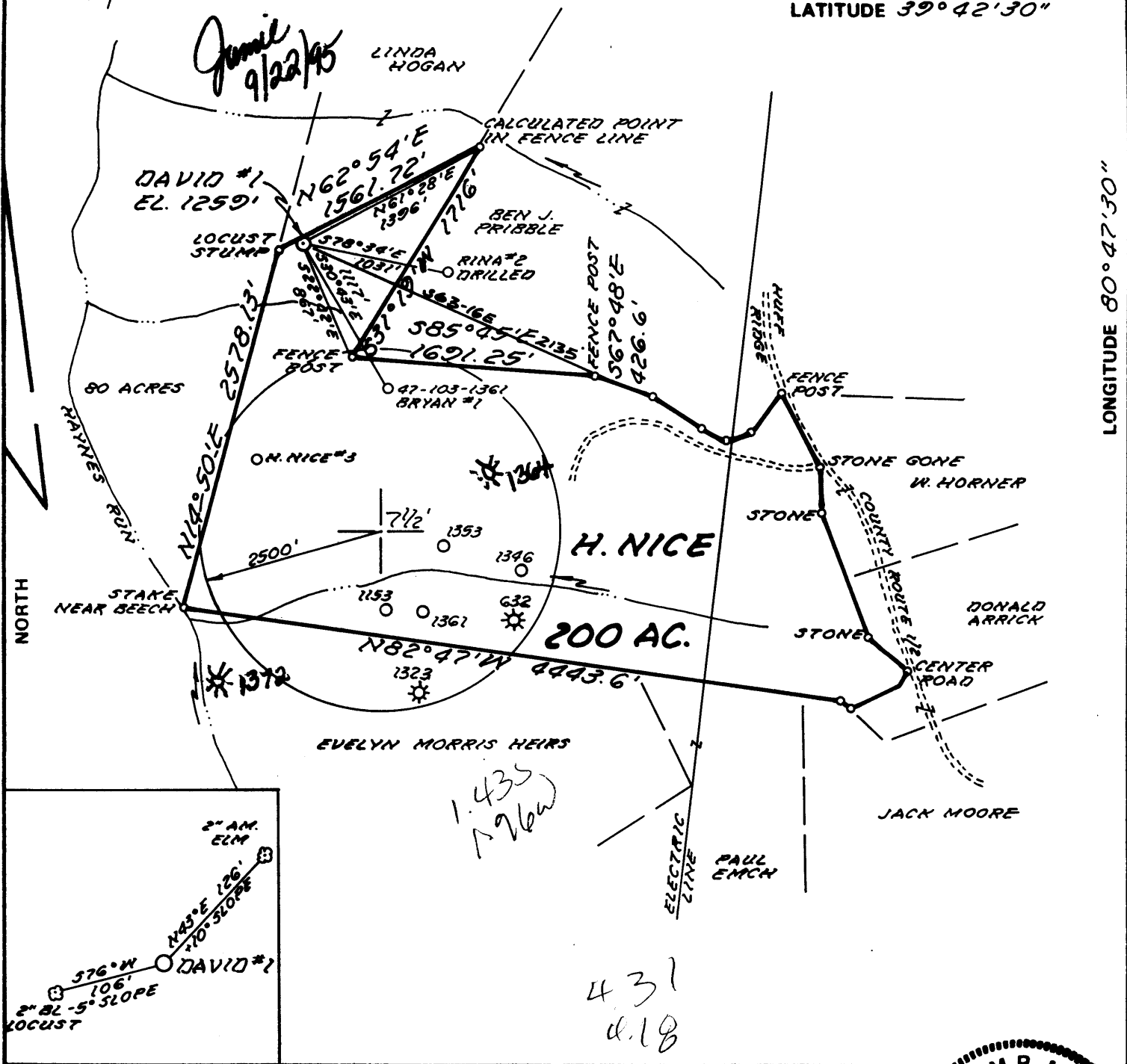
WELL ADDI Cobham Gas Industries, Inc. SIGNATED AGENT Alan D. Anderson OCT 31 1997  
P.O. Box 1293 ADDRESS. Same Address  
Bridgeport, WVa. 26330-1293 PH: 304-842-9256

7/18/86

10.350'

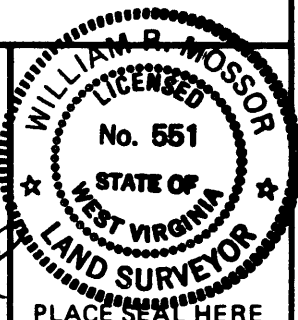
LATITUDE 39° 42' 30"

LONGITUDE 80° 47' 30"



FILE NO. MBA-2, B-6  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 47-103-1361 (BRYAN #1) - 1351'

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



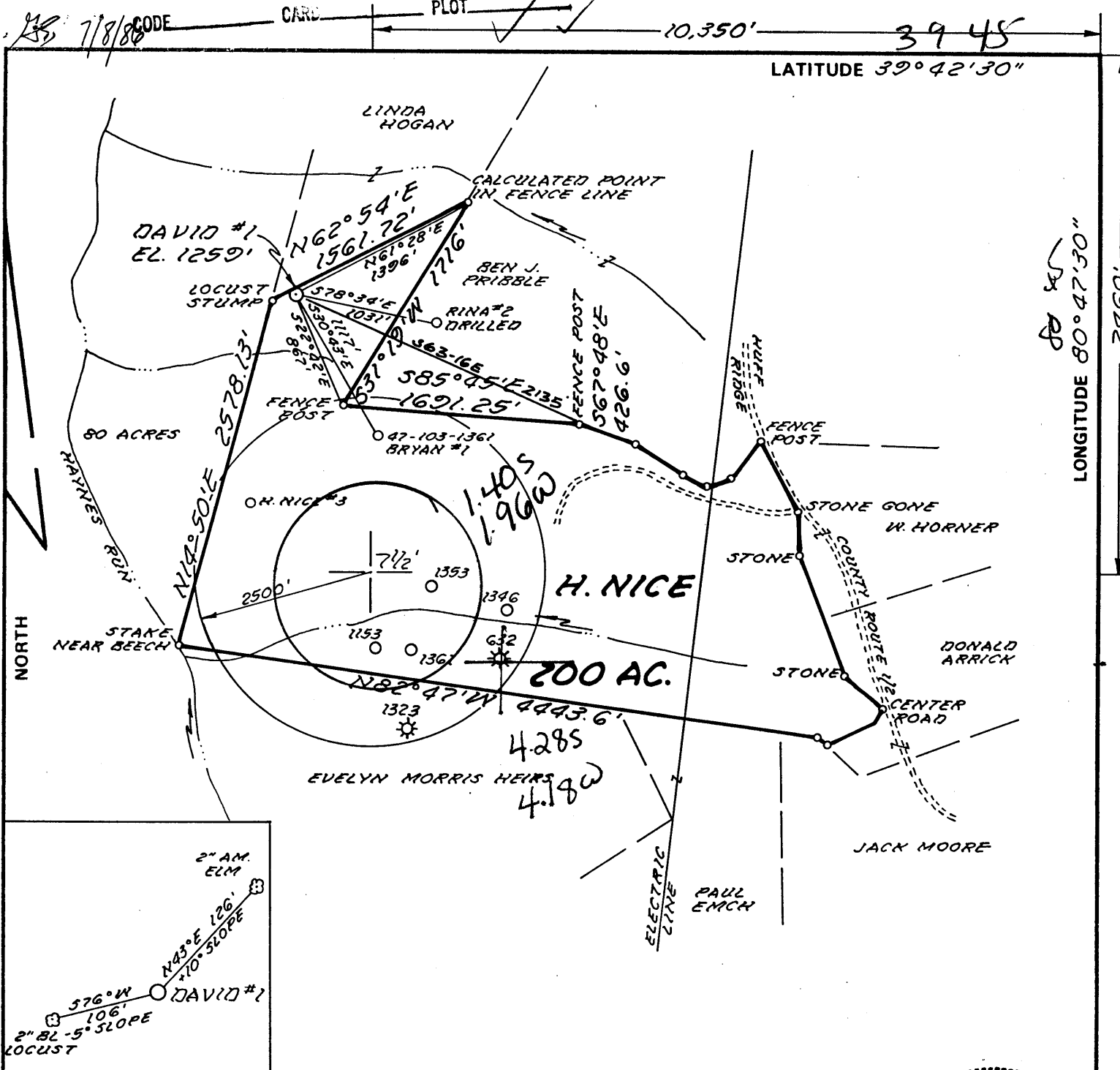
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE 3 MAY 19 86  
 OPERATOR'S WELL NO. DAVID #1  
 API WELL NO. 47-103-01403-F  
 STATE COUNTY PERMIT

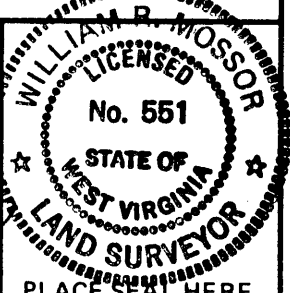
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL X GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1259' WATER SHED HAYNES RUN  
 DISTRICT PROCTOR COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2' N  
 SURFACE OWNER JUDY M. LONG ACREAGE 200  
 OIL & GAS ROYALTY OWNER HARRY L. NICE LEASE ACREAGE 200  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
Check for Squeeze flow - Set Temporary Plug Zone Above & Below - Remove Plug  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION GORDON ESTIMATED DEPTH 3500'  
 WELL ADDI Cobham Gas Industries, Inc. DESIGNATED AGENT Alan D. Anderson  
P.O. Box 1293 ADDRESS. Same Address  
Bridgeport, WVa. 26330-1293 PH: 304-842-9256



FILE NO. MB4-2, 8-6  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 47-103-1361 (BRYAN #1) - 1351'

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 (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 3 MAY, 19 86  
 OPERATOR'S WELL NO. DAVID #1  
 API WELL NO. \_\_\_\_\_  
47 - 103 - 1403  
 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 1259' WATER SHED HAYNES RUN  
 DISTRICT PROCTOR 1 COUNTY NETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2' 509 091 NE3  
 SURFACE OWNER JUDY M. LONG ACREAGE 200  
 OIL & GAS ROYALTY OWNER HARRY L. NICE LEASE ACREAGE 200  
 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 \_\_\_\_\_ 6-6 Cameron-Garner (23)  
 TARGET FORMATION GORDON ESTIMATED DEPTH 3500'  
 WELL OPERATOR CLAY RESOURCES DESIGNATED AGENT ANDY BROWN  
 ADDRESS 286 FRONT STREET ADDRESS P.O. BOX 132  
MARIETTA, OHIO 45750 READER, WV 26167

RECEIVED  
MAY 04 1987



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date April 30, 1987  
Operator's  
Well No. H Nice/David # 1  
Farm Judy Long  
API No. 47 - 103 - 1403

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: 1259' Watershed Haynes Run  
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 Judy Long  
ADDRESS 230 Lang Dr., N., 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 July 9, 1986  
DRILLING COMMENCED July 21, 1986  
DRILLING COMPLETED July 25, 1986

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	1528	1528	CTS
7			
5 1/2			
4 1/2		2940	200
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 2975 feet Rotary X / Cable Tools      
Water strata depth: Fresh N/A feet; Salt 1534 feet  
Coal seam depths: 1049 Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Gordon Pay zone depth 2827-2843 feet  
Gas: Initial open flow 30 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow (25) 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 72 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

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

PERFORATED: Gordon 2827-2843 20 perfs .49 diameter

FRAC'D: 40,000 Lbs. Sand Foam Frac

**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 fres and salt water, coal, oil and ga
Sand & Shale			0	2175	
Injun			2175	2233	
Sand & Shale			2233	2386	
Weir			2386	2456	
Sand & Shale			2456	2584	
Berea			2584	2588	
Sand & Shale			2588	2832	
Gordon			2832	2848	
Sand & Shale			2848	2975	
TD			<u>2975</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."

SEP 20 1995

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

Well Operator: <sup>5632</sup> Cobham Gas Industries, Inc. 10195 (7) 509

Operator's Well Number: Nice/ David #1 3) Elevation: 1259'

Well type: (a) Oil  or Gas   
(b) If Gas: Production  Underground Storage   
Deep  Shallow

Issued 09/21/95  
Expires 09/21/97

Proposed Target Formation(s): 371 KEENER, BIG INJUN

Proposed Total Depth: 2975 feet

1) Approximate fresh water strata depths: N/A

8) Approximate salt water depths: 1534

9) Approximate coal seam depths: 1049

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

11) Proposed Well Work: RUN BOND LOG, PERFORATE, FRACTURE KEENER THAT IS BEHIND PIPE (PROVIDED PROPER CEMENT COVERAGE, OR AFTER SQUEEZE CEMENTING) POSSIBLY TREAT UPPER BIG INJUN 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						
Fresh Water	8 5/8			1528	1528	CEMENT TO SURFACE
Coal						
Intermediate						
Production	4 1/2			2940	2940	200 5x5
Tubing						
Liners						

*Handwritten signature/initials*

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

21190

**RECEIVED**

WV Division of  
Environmental Protection

SEP 20 1995

1) Date: June 29, 1995  
2) Operator's well number  
Nice/ David # 1  
3) API Well No: 47 - 103 - 1403 F  
State - County - Permit

Permitting  
Office of Oil & 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 Judy Long & Michael W  
Address 230 Long Dr. N  
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 \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Randall 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

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)

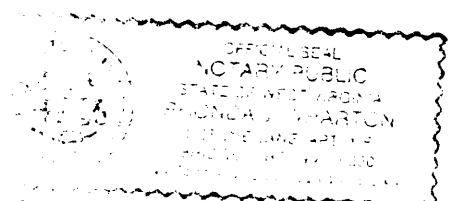
Certified Mail (Postmarked postal receipt attached)

Publication (Notice of Publication attached)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B of the West Virginia Code. Well work permits are valid for 24 months.



Well Operator Cobham Gas Industries, Inc.  
By: Alan D. Anderson  
Its: Agent  
Address PO Box 1293  
Bridgeport, WV 26330  
Telephone \_\_\_\_\_

Subscribed and sworn before me this 29<sup>th</sup> day of June, 1995

Brandon J. Whitt

Notary Public

My commission expires January 15, 2004

**RECEIVED**  
JUN 09 1986



1) Date: June 4, 1986  
2) Operator's Well No: H/Nice/David #1  
3) API Well No. 47 103-1403  
State County Permit

STATE OF WEST VIRGINIA  
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
**DEPT. 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: 1259 Watershed: Haynes Run 508  
District: Proctor 1727 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 Name Mike Underwood  
Address Rt. #2, Box 135  
Salem, WV 26426
- 9) DRILLING CONTRACTOR: Name Unknown  
Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) Gordon 419
- 11) GEOLOGICAL TARGET FORMATION, Gordon 419
- 12) Estimated depth of completed well, 3100' feet
- 13) Approximate traat depths: Fresh, 509 feet; salt, 3059 feet.
- 14) Approximate coal seam depths: 2049 2092, 1049 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 Apprx.	3100 apprx.	500+ SKS	Depths seper rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-103-1403 Date July 9 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 July 9, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ASB</u>	Plat: <u>BS MW</u>	Casing	Fee <u>2326</u> <u>118</u>	WPCP <u>AS</u>	S&E <u>AS</u>	Other
---	-------------------	--------------------	--------	-------------------------------	----------------	---------------	-------

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

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

*John D. Johnston*  
Director, Division of Oil and Gas  
*Clay Margaret J. Brown* File