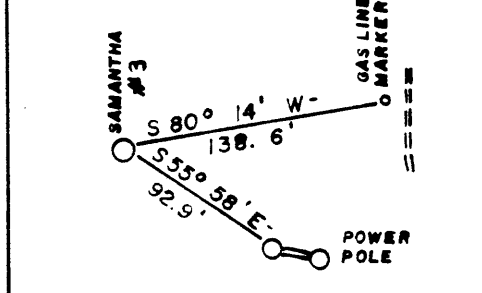


NEW MARTINSVILLE 7.5'

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

REFERENCE POINTS



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TOP OF HILL  
1293'

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) Paul R Marshall  
 R.P.E. \_\_\_\_\_ L.L.S. 580

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE APRIL 20, 1985  
 OPERATOR'S WELL NO. Samantha #3  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ STATE 47 COUNTY 103 PERMIT 1351  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 1278' WATER SHED BRANCH OF HAYNES RUN  
 DISTRICT PROCTOR 7 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7.5' 509 091 NE 3

SURFACE OWNER BENJAMIN B. PRIBBLE ACREAGE 193.83 ACRES  
 OIL & GAS ROYALTY OWNER BENJAMIN B. PRIBBLE LEASE ACREAGE 193.83 ACRES  
 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 3500'  
 WELL OPERATOR CLAY RESOURCES INC. DESIGNATED AGENT ANDY BROWN  
 ADDRESS 204 UNION SQUARE 172 ADDRESS P.O. BOX 32  
MARIETTA, OHIO 45750 READER, WV 26167

JUL 01 1985

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS



State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date February 17, 1986  
Operator's Well No. Samantha #3  
Farm Raymond Pribble  
API No. 47 - 103 - 1351

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1278 Watershed Branch of Haynes Run  
District Proctor County Wetzel Quadrangle New Martinsville 7.5'

COMPANY Clay Resources, Inc.  
ADDRESS Union Square, Marietta, OH 45750  
DESIGNATED AGENT Andy Brown  
ADDRESS Box 32, Reader, WV 26167  
SURFACE OWNER Raymond Pribble  
ADDRESS Rt. #1, Box 85, New Martinsville, WV  
MINERAL RIGHTS OWNER SAME  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther  
General Delivery ADDRESS Middlebourne, WV  
PERMIT ISSUED June 17, 1985  
DRILLING COMMENCED 10-17-85  
DRILLING COMPLETED 10-19-85  
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		1529	400 sx
7			
5 1/2			
4 1/2		2987	200 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3200 feet  
Depth of completed well 3000 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh \_\_\_\_\_ feet; Salt 2257 feet  
Coal seam depths: 1068 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2965-2977 feet  
Gas: Initial open flow 20 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 20 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 72 hours  
Static rock pressure 320 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ 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: 20 Shots: 2866-2877

FRAC: 12/12/85: N<sub>2</sub> : 360,000 SCF: Broke @ 2800#:

10/24/85: Foam: 40,000# 20/40: Broke @ 2300#: 300 Gal. 15% HCL:

**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	600	
shale 7 limestone			600	1384	
shale, limestone, redrock			1384	1450	
shale, limestone			1450	2200	
shale			2200	2600	Well 2345-2352 Square 2544-2555
sand & shale			2600	2650	
sand			2650	2700	Berea: 2715-2727
sand & shale			2700	2850	
shale			2850	<u>3000</u>	Gordon 2965-2977

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Sandra L. Schaffer V. Pres. Operations

Date: February 17, 1986

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."

RECEIVED

JUN 07 1985



1) Date: May 28, 19 85  
2) Operator's Well No. Samantha #3  
3) API Well No. 47 103 -1351  
State County Permit

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

OIL & GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

DEPT. OF MINES

- 4) WELL TYPE: A  Oil  Gas  X /  
B (If "Gas", Production  / Underground storage  Deep  Shallow )
- 5) LOCATION: Elevation: 1278' Watershed: Branch of Haynes Run  
District: Proctor County: Wetzel Quadrangle: New Martinsville 7.5
- 6) WELL OPERATOR Clay Resources, Inc. 7) DESIGNATED AGENT Andrew C. Brown  
Address 204 Union Square Address Box 32  
Marietta, OH 45750 10025 Reader, WV 26167
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
Name Robert Lowther Name Unknown  
Address General Delivery Address \_\_\_\_\_  
Middlebourne, WV 26149
- 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, 3500 feet  
13) Approximate trata depths: Fresh, 550 feet; salt, 500 feet.  
14) Approximate coal seam depths: 900 - 1000' 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					1030'	1030'	CTS	Per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					3500'	3500'	500 + SKS	Depths set Per rule 15.01
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-103-1351 Date June 17 19 85

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 17, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
38	AB	MU	MU	531

Margaret J. Hesse  
Administrator, Office of Oil and Gas

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.

File