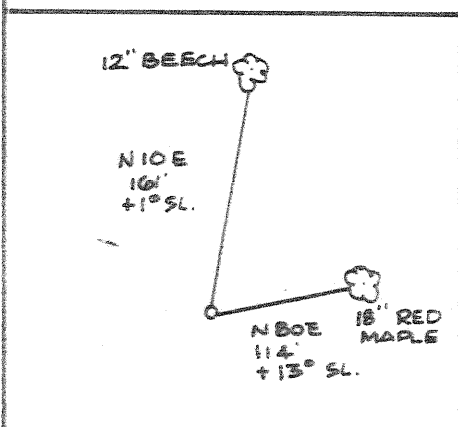
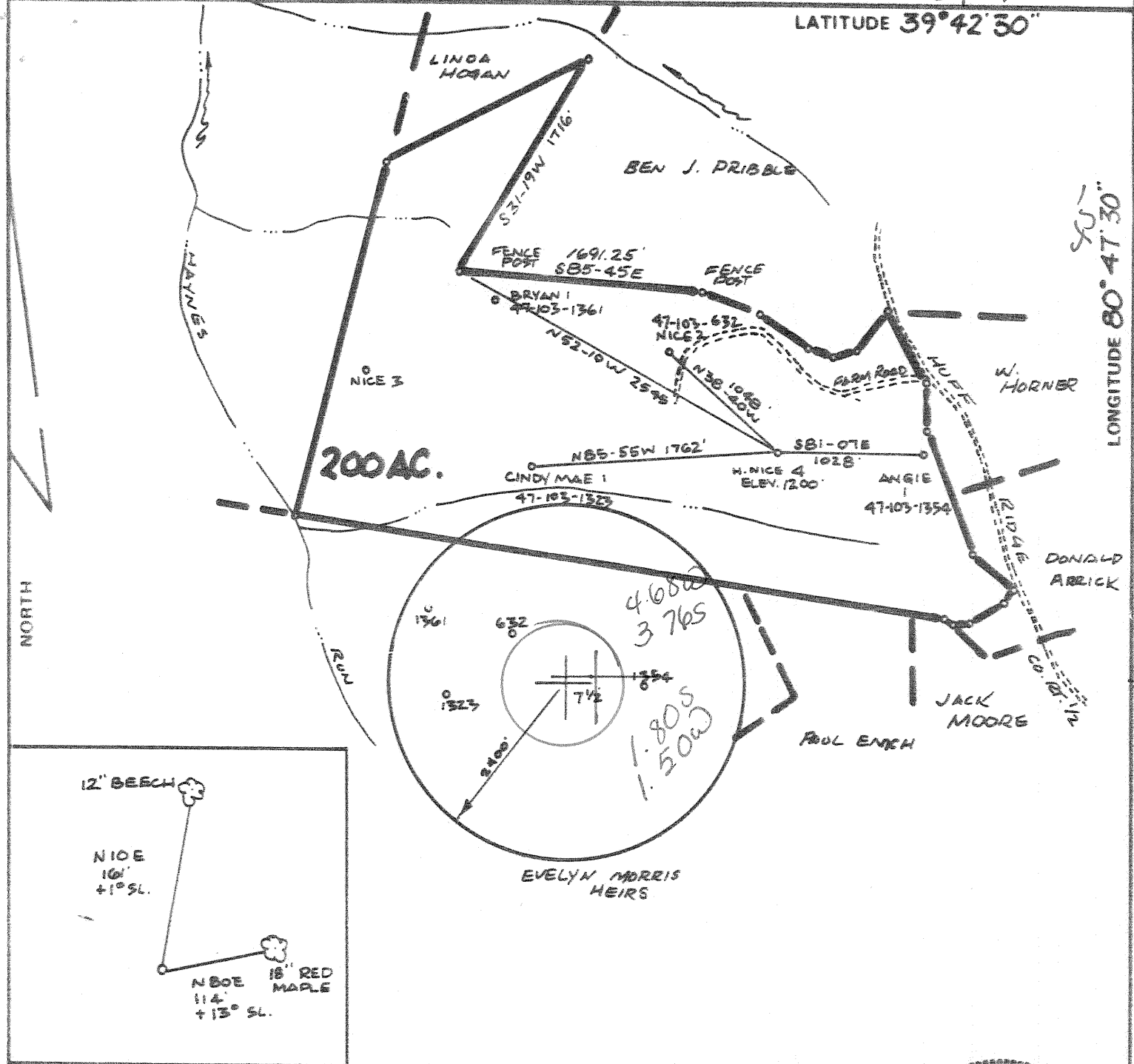


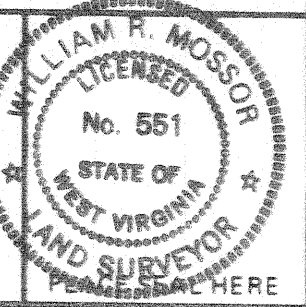
2/7/86

CODE CARD PLOT 7820 39 45



FILE NO. M.B. 9-1  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION  
ELEV. 1320'

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 15 JANUARY, 19 85  
 OPERATOR'S WELL NO. H.NICE # 4  
 API WELL NO. 47-103-1391  
 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 1200' WATER SHED HAYNES RUN  
 DISTRICT PROCTOR 7 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 509 021 NE3  
 SURFACE OWNER JUDY LONG ACREAGE 200  
 OIL & GAS ROYALTY OWNER JUDY LONG LEASE ACREAGE 200

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 6800N ESTIMATED DEPTH 3100'  
 WELL OPERATOR CLAY RESOURCES INC DESIGNATED AGENT ANDY BROWN  
 ADDRESS 204 UNION SQUARE ADDRESS D.O. BOX 32  
MARIETTA, OHIO 45750 172 READER, W.VA. 26167

MAR 24 1986

TV-35  
(Rev 8-81)

**RECEIVED**  
AUG 21 1986



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date August 20, 1986  
Operator's H. Nice #4  
Well No.                       
Farm Judy Long  
API No. 47 - 103 - 1391

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: 1200 Watershed Haynes Run  
District: Proctor County Wetzel Quadrangle New Martinsville

COMPANY Clay Resources, Inc.  
ADDRESS 286 Front St., Marietta, OH 45750  
DESIGNATED AGENT Andy Brown  
ADDRESS Box 32, Reader, WV 26167  
SURFACE OWNER Judy Long  
ADDRESS 230 Lang Drive, New Martinsville, WV 26155  
MINERAL RIGHTS OWNER SAME  
ADDRESS                       
OIL AND GAS INSPECTOR FOR THIS WORK Don Ellis  
ADDRESS 2604 Crab Apple Lane, Fairmont, WV 26554  
PERMIT ISSUED March 18, 1986  
DRILLING COMMENCED April 25, 1986  
DRILLING COMPLETED April 29, 1986  
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	1434	1434	375 SKS
7			
5 1/2			
4 1/2	2912	2912	250 Sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3100 feet  
Depth of completed well 2965 feet Rotary X / Cable Tools                       
Water strata depth: Fresh                      feet; Salt 2180 feet  
Coal seam depths: 990 Is coal being mined in the area? NO

OPEN FLOW DATA  
Producing formation Gordon Pay zone depth 2845 - 2878 feet  
Gas: Initial open flow 35 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 30 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 72 hours  
Static rock pressure 330 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completions)  
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

(Continue on reverse side)

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

PERFORATED: 20 Shots: 2832 to 2852 Gordon

FRAC: 1 stage FOAM: Broke @ 3200: ISP 1450: 400 Sks 20/40 Sand:  
N2 483,000 SCF

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, limestone, sandstone			0	1950	
Sand, Limestone			1950	2220	Big lime
Sandstone, redrock			2220	2400	
Sandstone			2400	2500	Squaw: 2402 - 2416
Sand			2500	2650	1st Berea: 2596 - 2603
Shale			2650	<u>2965</u>	<u>Gordon: 2846-2878</u>

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By:

*John Kettering*

Date:

August 20, 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 those encountered in the drilling of a well."



1) Date: January 24, 1986  
 2) Operator's Well No. H. Nice 4  
 3) API Well No. 47 -103-1391  
 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 X / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 1200' Watershed: Haynes Run  
 District: Proctor 178 County: Wetzel Quadrangle: New Martinsville
- 6) WELL OPERATOR Clay Resource CODE: 10025 7) DESIGNATED AGENT Andy Brown  
 Address 204 Union Square Address Box 32  
Marietta, OH 45750 Reader, WV 26167
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Don Ellis  
 Address 2604 Crab Apple Lane  
Fairmont, WV 26554
- 9) DRILLING CONTRACTOR: Name Warren Drilling, Co.  
 Address PO Box 103  
Dexter City, OH
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, 419 Gordon
- 12) Estimated depth of completed well, 3100' feet  
 13) Approximate trata depths: Fresh, 450 feet; salt, 3179 feet.  
 14) Approximate coal seam depths: 1990 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /
- 15) CASING AND TUBING PROGRAM See Permit # 103-0632

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						<u>480'</u>	<u>480'</u>	<u>CTS</u>	Kinds
Fresh water	<u>8 5/8</u>					<u>1400'</u>	<u>1400'</u>	<u>CTS</u>	Per rule 15.05
Coal									Sizes
Intermediate									
Production Tubing	<u>4 1/2</u>					<u>3100'</u>	<u>appr. 3100'</u>	<u>appr. 500+SKS</u>	Depths set: <u>Per rule 15.0</u>
Lin...									Perforations: Top Bottom

**\* TO BE RUN IF FRESH WATER IS ENCOUNTERED**

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-103-1391 Date March 18, 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 March 18, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>1634</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
-------------------------------------------	--------------------------------------------	-----------------	-------------------	------------------	-----------------	----------------	--------------

NOTE: Keep one copy of this permit posted at the drilling location.  
John H. Johnston by Margaret J. Hask  
 Director, Division of Oil and Gas File

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