

CODE

CARD

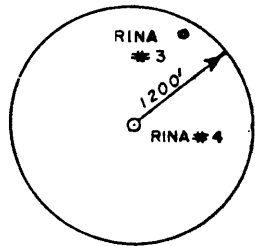
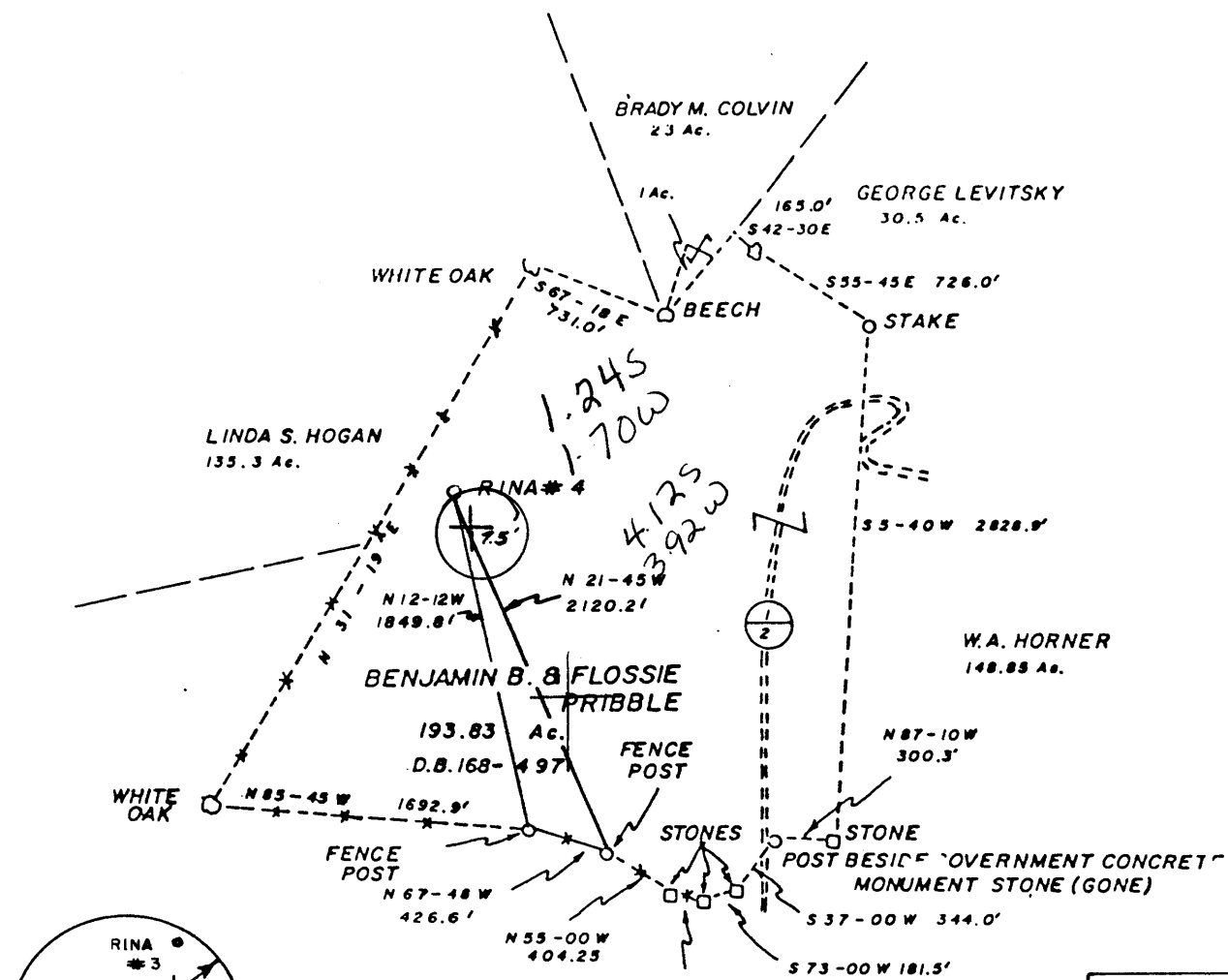
PLAT 18880

39 45

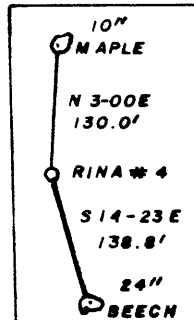
LATITUDE 39° 42' 30"

LONGITUDE 80° 47' 30"

NORTH



NEW MARTINSVILLE 7.5

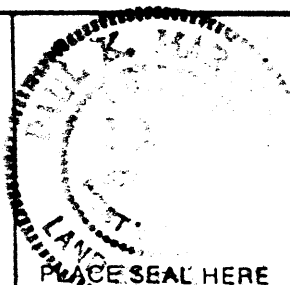


REFERENCE POINTS

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

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 K. Marshall  
 R.P.E. \_\_\_\_\_ L.L.S. 580



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE SEPT. 6, 19 85  
 OPERATOR'S WELL NO. RINA # 4  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1098' WATERSHED BRANCH OF HAYNES RUN  
 DISTRICT PROCTOR 7 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7.5' 509 091 NE3  
 SURFACE OWNER BENJAMIN B. PRIBBLE ACREAGE 193.83  
 OIL & GAS ROYALTY OWNER BENJAMIN B. PRIBBLE LEASE ACREAGE 193.83

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 ADDRESS PO. BOX 32  
 MARIETTA, OHIO 45750 READER, W.V. 26167

OCT 17 1985



State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

FEB 21 1986

Date February 18, 1986  
Operator's Well No. Rina #4  
Farm Raymond Pribble  
API No. 47 - 103 - 1364

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: 1098 Watershed Branch of Haynes Run  
District: Proctor County Wetzel Quadrangle New Martinsville 7.5'

COMPANY Clay Resources, Inc.  
ADDRESS 204 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 26155  
MINERAL RIGHTS OWNER SAME  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Robert General Delivery  
Lowther ADDRESS Middlebourne, WV 26149  
PERMIT ISSUED October 4, 1985  
DRILLING COMMENCED October 25, 1985  
DRILLING COMPLETED October 27, 1985  
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		1398	325 sx
7			
5 1/2			
4 1/2		2859	200 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3500 feet  
Depth of completed well 2850 feet Rotary  / Cable Tools \_\_\_  
Water strata depth: Fresh \_\_\_ feet; Salt 2078 feet  
Coal seam depths: 888 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2672-2680 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 310 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: 2676 to 2680

FRAC'D: 75% Foam: Broke @ 2110#: ISP 2200#: 416,890 SCF, N<sub>2</sub>: 40,000# 20/40:

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 & limestone			600	1290	
shale, limestone, redrock			1290	1360	
shale, limestone			1360	2200	Weir: 2224-2240
shale			2200	2600	Squaw: 2272-2284
sand & shale			2600	2700	1st Berea: 2420-2426
shale			2700	<u>2850</u>	Gordon: 2672-2680

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Sandra L. Schaefer V. Pres. Operations

Date: February 18, 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."

FILE COPY  
**RECEIVED**  
SEP 25 1985



1) Date: September 23, 1985  
 2) Operator's Well No. Rina #4  
 3) API Well No. 47 State 103 County -1364 Permit

DIVISION OF OIL & GAS 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: 1098' Watershed: Branch of Haynes Run  
 District: Proctor 172 County: Wetzel Quadrangle: New Martinsville 7.5'
- 6) WELL OPERATOR Clay Resources 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 Robert Lowther  
 Address General Delivery  
Middlebourne, WV 26149
- 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) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Gordon 419
- 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									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-103-1364

October 4 19 85  
 Date

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 October 4, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>RLB</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>484</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
---	-------------------	-----------------	-------------------	-----------------	---	--	---------------------------------

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

[Signature]  
 Director, Division of Oil and Gas

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

File