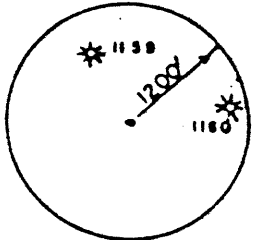
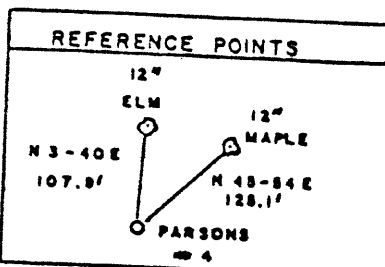
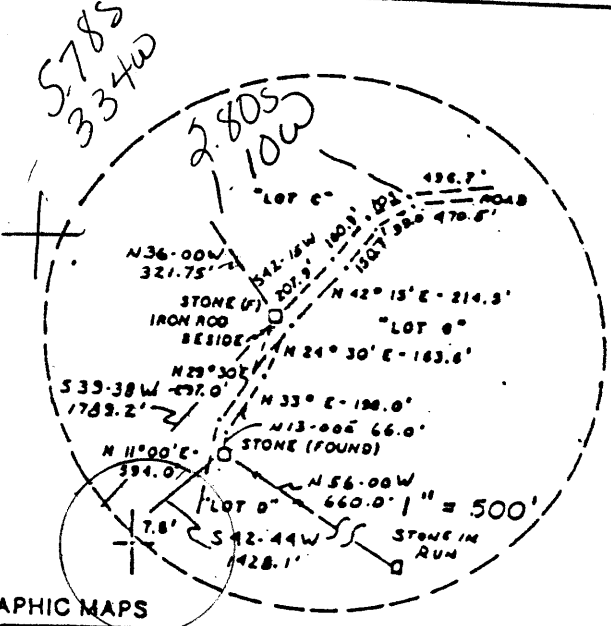


NOTE  
O = STONE OR ROCK

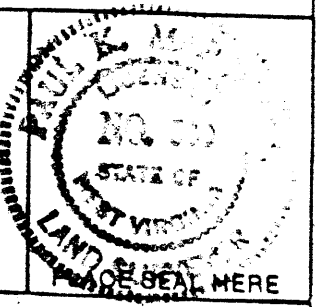


NEW MARTINSVILLE 7.5'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION  
1326'

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 ENERGY AND NATURAL RESOURCES  
 OIL AND GAS DIVISION

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

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 1171' WATERSHED HAYNES RUN  
 DISTRICT PROCTOR 7 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7.5' 509 COUNTY 091 NE3

SURFACE OWNER C.A. PARSONS HRS. ACREAGE 105 AC.  
 OIL & GAS ROYALTY OWNER C.A. PARSONS HRS. LEASE ACREAGE 105 AC.

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 P.O. BOX 32  
MARIETTA, OHIO 45750 READER, WV 26167

5780'  
 LATITUDE 39° 42' 30"  
 3945  
 80 45  
 LONGITUDE 80° 47' 30"  
 15 140'  
 COUNTY NAME  
 PERMIT



WR-35

FEB 21 1986

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date February 18, 1986  
Operator's  
Well No. Parsons #4  
Farm C.A. Parsons Heirs  
API No. 47 - 103 - 1366

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: 1171 Watershed Haynes Run  
District: Proctor County Wetzel Quadrangle New Martinsville

COMPANY Clay Resources, Inc.

ADDRESS 204 Union Square, Marietta, OH 45750

DESIGNATED AGENT Andy Brown

ADDRESS Box 32, Reader, WV 26167

SURFACE OWNER C.A. Parsons Heirs

% Mary Buzzard  
ADDRESS 64 N. Ave. Cameron, WV 26033

MINERAL RIGHTS OWNER SAME

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther ADDRESS Middlebourne, WV 26149

PERMIT ISSUED October 23, 1985

DRILLING COMMENCED November 2, 1985

DRILLING COMPLETED November 17, 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		1438	345 Sx
7			
5 1/2			
4 1/2		2926	200 sx.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3500 feet

Depth of completed well 2900 feet Rotary  / Cable Tools \_\_\_\_\_

Water strata depth: Fresh \_\_\_\_\_ feet; Salt 2161 feet

Coal seam depths: 961 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2824-2840 feet

Gas: Initial open flow 30 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 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

MAR 3 1986  
(Continue on reverse side)

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

PERFORATED: 20 shots: 2814-2826

FRAC: 75% Foam: Broke @ 2800#: ISP 1600#: 40,000# 20/40: 496,000 SCF, N<sub>2</sub>:

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	415	
shale& limestone			415	1614	
shale, limestone, redrock			1614	2879	
shale			2879	2415	
sand & shale			2415	2465	
sand			2465	2515	
sand & shale			2515	2665	1st Berea: 2566-2580 2nd Berea: 2588-2594 Gordon: 2824-2840
shale			2665	<u>2900</u>	

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Sandra L. Schaf 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 any, encountered in the drilling of a well."

**RECEIVED**  
OCT - 4 1985



1) Date: September 23, 1985  
 2) Operator's Well No. Parsons #4  
 3) API Well No. 47 103 -1366  
 State County Permit

STATE OF WEST VIRGINIA  
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
 DEPARTMENT 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: 1171' Watershed: Haynes Run  
 District: Proctor County: Wetzel Quadrangle: New Martinsville 7.5'
- 6) WELL OPERATOR Clay Resources, Inc 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 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 strata 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		
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 47-103-1366

October 23 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 23, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AB</u>	Plat: <u>MUMU022</u>	Casing	Fee	WPCP	S&E	Other
---	------------------	----------------------	--------	-----	------	-----	-------

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

[Signature]  
 Director, Division of Oil and Gas

File

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