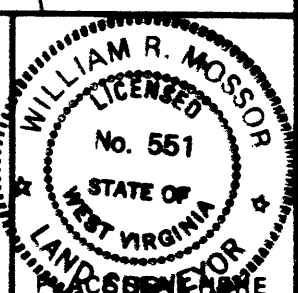


**SITZER-BUZZARD
PARSONS
148.85 ACRE
LEASE**

FILE NO. MB 6-6
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION R.R. TRESSGL
ELEV 635'

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 27 NOVEMBER 1985
 OPERATOR'S WELL NO. HORNER 3
 API WELL NO. _____
47-103-1385
 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 1201' WATER SHED PROCTOR CREEK
 DISTRICT PROCTOR 7 COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 509 NE 3 091
 SURFACE OWNER WA HORNER - MARY HORNER ACREAGE 148.85
 OIL & GAS ROYALTY OWNER WILMA M. SITZER - MARY BUZZARD LEASE ACREAGE 148.85
 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 3100'
 WELL OPERATOR CLAY RESOURCES DESIGNATED AGENT ANDY BROWN
 ADDRESS 204 UNION SQUARE ADDRESS BOX 32
MARIETTA, OHIO 45750 READER, W.VA. 26167

RECEIVED
AUG 21 1986



IV-35
(Rev 8-81)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 8/1/86
Operator's
Well No. Horner #3
Farm Woodrow Horner
API No. 47 - 103 - 1385

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: 1201 Watershed Proctor Creek
District: Proctor County Wetzel Quadrangle New Martinsville

COMPANY Clay Resources
ADDRESS 286 Front Street, Marietta, OH 45750
DESIGNATED AGENT Andy Brown
ADDRESS Box 32, Reader, WV 26167
SURFACE OWNER Woodrow Horner
ADDRESS P.O. Box #3 Proctor, WV 26055
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Don Ellis
2604 Crab Apple Lane
ADDRESS Fairmont, WV 26554
PERMIT ISSUED 2/10/86
DRILLING COMMENCED 4/28/86
DRILLING COMPLETED 5/4/86
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 Cord.			
13-10"			
9 5/8			
8 5/8	1409	1409	350SKS
7			
5 1/2			
4 1/2	2974	2974	250SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3100 feet
Depth of completed well 3009 feet Rotary x / Cable Tools
Water strata depth: Fresh feet; Salt 2181 feet
Coal seam depths: 991 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2790-2820 feet
Gas: Initial open flow 35 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow (28) 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

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

Perf: 20 holes-2789-2809 Gordon

Frac: 75% Faam: Brake @ 2200; ISP-2175; N2-477,000 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			0	1700	
Sandstone			1700	1800	
Sand-Limestone Shale			1800	2000	
Sand			2000	2540	Big Injun
Sandstone			2540	2650	1st Berea 2548-2554
Sand and Shale			2650	2820	2nd Berea 2560-2566
Shale			2820	<u>3009</u>	<u>Gordon - 2790 - 2820</u>

(Attach separate sheets as necessary)

Clay Resources, Inc.
Well Operator

By: Jon Ketting

Date: August 19, 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."

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DEC 11 1985



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA -

1) Date: December 5, 1985
2) Operator's Well No. Horner #3
3) API Well No. 47 103-1385
State County Permit

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: 1201' Watershed: Proctor Creek
District: Proctor County: Wetzel Quadrangle: New Martinsville
- 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
- 12) Estimated depth of completed well, 3100' feet
- 13) Approximate strata depths: Fresh, ~401' feet; salt, 2180' feet.
- 14) Approximate coal seam depths: 804' Is coal being mined in the area? Yes / No
by permit # 103-0038
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used	For drilling		
Conductor						* 431'	* 431'	
Fresh water	8 5/8					1401'	1401'	CTS Kinds Per rule 15.05
Coal								Sizes
Intermediate								
Production	4 1/2					3100' apprx.	3100' apprx.	500 + SKS Depths set Per rule 15.01
Tubing								
Lin...								Perforations: Top Bottom
* ONLY TO BE RUN IF FRESH WATER IS ENCOUNTERED								

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-103-1385

February 10 19 86
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 February 10, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>RB</u>	Plat: <u>MS</u>	Casing: <u>MS</u>	Fee: <u>1397</u>	WPCP: <u>MS</u>	S&E: <u>MS</u>	Other:
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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.