

SEP 15 1986



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date September 9, 1986
Operator's Well No. J. Nice # 14
Farm J. Nice etal
API No. 47 - 103 - 1390

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: 1040 Watershed Williams Run
District: Magnolia 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 Beulah Talkington
ADDRESS Rt. #1, New Martinsville, WV 26155
MINERAL RIGHTS OWNER SAME
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
Mike Underwood ADDRESS Rt. #2, Box 135 Salem WV 26426
PERMIT ISSUED MARCH 18, 1986
DRILLING COMMENCED MAY 12, 1986
DRILLING COMPLETED MAY 15, 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 Cord. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 1340 | 1340 | 325 SKS |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 2710 | 2710 | 200 SKS |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION GORDON Depth 3100 feet
Depth of completed well 2750 feet Rotary X / Cable Tools
Water strata depth: Fresh feet; Salt 2020 feet
Coal seam depths: 830 Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation GORDON Pay zone depth 2618-2650 feet
Gas: Initial open flow 30 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 25 Mcf/d Oil: Final open flow 0 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 300 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.

PERFORATED: 20 HOLES: 2605 - 2629 Gordon

FRAC'D: 75% FCHM. BROKE @ 2000; 15P-2100; 400 SKS 3/4 SAND;
N₂ - 440,160 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, SS, LIMESTONE | | | 0 | 2100 | |
| SAND, LIMESTONE | | | 2100 | 2300 | Squaw: 2174-2192 Wier: 2220 - 2233 |
| SAND, LIMESTONE | | | 2300 | 2450 | 1st Berea: 2368 - 2374 2nd Berea: 2374 - 2380 |
| SS, SHALE | | | 2450 | <u>2750</u> TD. | Gordon: 2618 - 2650 |

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Jean Ketting

Date: SEPTEMBER 10, 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
FEB 24 1986



1) Date: February 19, 19 86
 2) Operator's Well No. Johnny M. Nice #14
 3) API Well No. 47 103-1390
 State County Permit

STATE OF WEST VIRGINIA
 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: 1040' Watershed: Williams Run
 District: Magnolia 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 Don Ellis
 Address 2604 Crab Apple Lane
Fairmont, WV 26554
- 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 trata depths: Fresh, 280 feet; salt, 2019' feet.
- 14) Approximate coal seam depths: 840' 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 | | | | | | <u>310</u> | <u>310</u> | <u>CTS</u> | Kinds |
| Fresh water | <u>8 5/8</u> | | | | | <u>1240'</u> | <u>1240'</u> | <u>CTS</u> | Per rule 15.05 |
| Coal | | | | | | | | | Sizes |
| Intermediate | | | | | | | | | |
| Production | <u>4 1/2</u> | | | | | <u>3100' apprx.</u> | <u>3100' apprx.</u> | <u>500 + SKS</u> | Depths see: Per rule 15.01 |
| Tubing | | | | | | | | | |
| Lin... | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

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

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-103-1390

March 18, 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 March 18, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | | | | |
|-------|-------------------|-----------------|-------------------|------------------|-----------------|----------------|--------|
| Bond: | Agent: <u>ALB</u> | Plat: <u>MS</u> | Casing: <u>MS</u> | Fee: <u>1798</u> | WPCP: <u>MS</u> | S&E: <u>MS</u> | Other: |
|-------|-------------------|-----------------|-------------------|------------------|-----------------|----------------|--------|

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

John H. Johnston by Margaret J. Has
 Director, Division of Oil and Gas

File

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