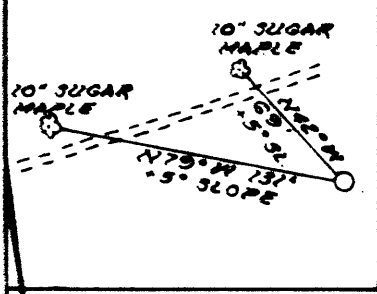


45 2/5/86

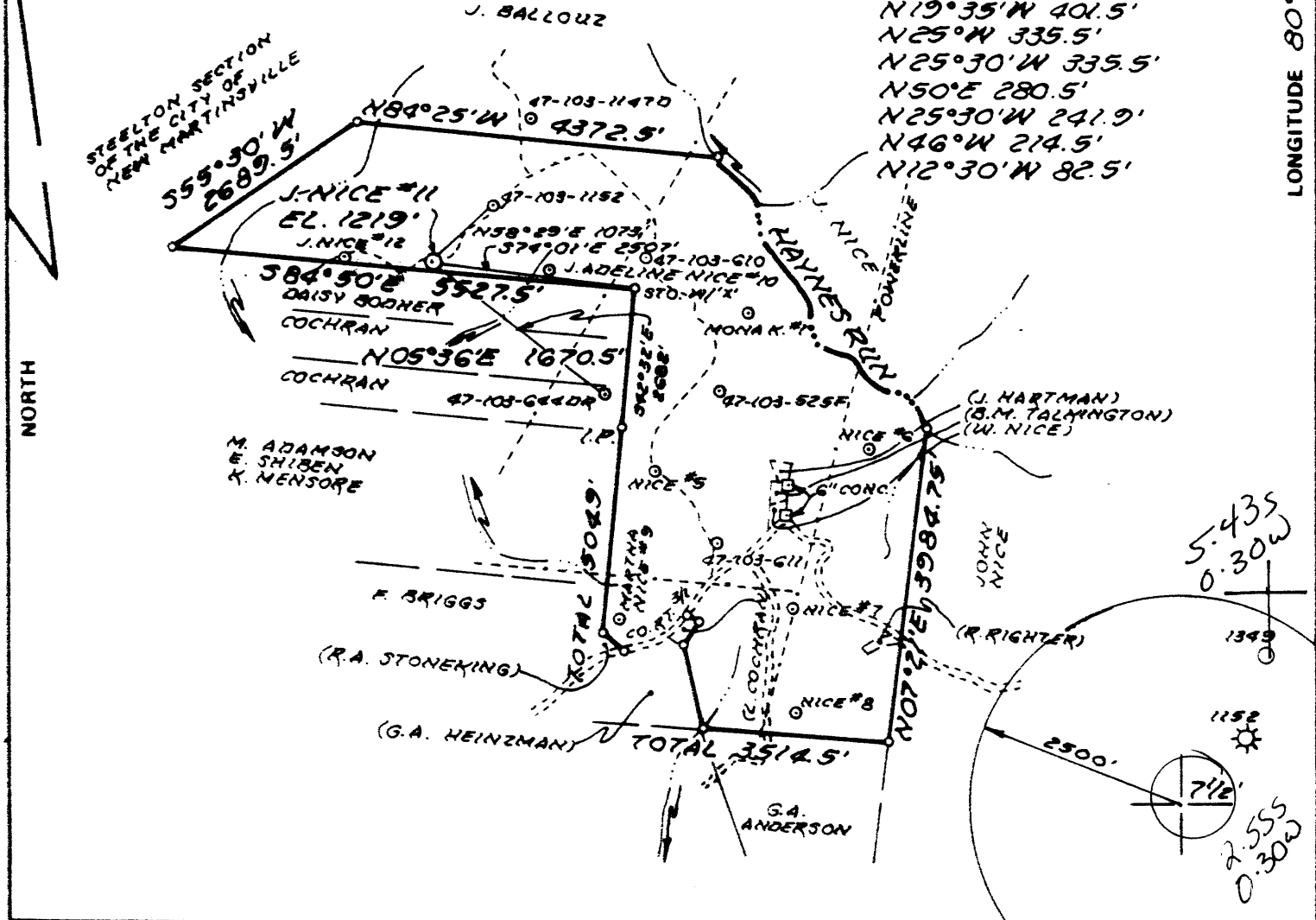
39 45 1640

CODE _____ CARD _____ PLOT _____ LATITUDE 39°42'30"



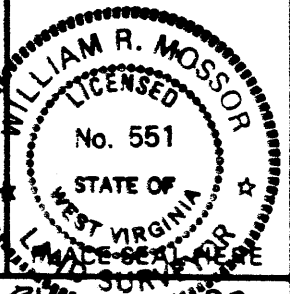
16 LINES DOWN HAYNES RUN:
 N35°10'W 198'
 N16°15'W 198'
 N82°W 429'
 N47°W 396'
 N57°30'W 214.5'
 N31°08'W 156.7'
 N89°W 255.7'
 N29°25'W 181.5'
 N06°20'E 186.9'
 N19°35'W 401.5'
 N25°W 335.5'
 N25°30'W 335.5'
 N50°E 280.5'
 N25°30'W 241.9'
 N46°W 214.5'
 N12°30'W 82.5'

LONGITUDE 80°50'



FILE NO. M87-
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF EL. 1307'
 ELEVATION WELL # 47-103-1152
1073' NE OF LOC.

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 11 JANUARY 1986
 OPERATOR'S WELL NO. J. NICE #11
 API WELL NO. _____
47 - 103 - 1380
 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 1219' WATER SHED WILLIAMS RUN
 DISTRICT MAGNOLIA 6 COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 742' 509 091 NC2
 SURFACE OWNER JOHNNY NICE, ET AL. ACREAGE 426
 OIL & GAS ROYALTY OWNER JOHNNY NICE, ET AL. LEASE ACREAGE 426
 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 202 UNION SQUARE ADDRESS BOX 32
MARIETTA, OHIO 45750 READER, WV 26167

FEB 18 1986

IV-35
(Rev 8-81)

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AUG 21 1986



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 8/19/86
Operator's J. Nice #11
Well No. J. Nice etal
Farm J. Nice etal
API No. 47 - 103 - 1380

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: 1219 Watershed Williams Run
District: Magnolia County Wetzel Quadrangle New Martinsville

COMPANY Clay Resources, Inc.
ADDRESS 286 Front Street, Marietta, OH 45750
DESIGNATED AGENT Andy Brown
ADDRESS Box 32, Reader, WV 26167
SURFACE OWNER Beulah Talkington
ADDRESS Rt.#1, Box 45 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 2/6/86
DRILLING COMMENCED 2/16/86
DRILLING COMPLETED 2/19/86
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
CN

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	1560	1560	370SKS
7			
5 1/2			
4 1/2	3131	3131	200SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3100 feet
Depth of completed well 2950 feet Rotary x / Cable Tools
Water strata depth: Fresh feet; Salt 2199 feet
Coal seam depths: 1009 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Gordon Pay zone depth feet
Gas: Initial open flow 30 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 20 Mcf/d Oil: 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 use 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.

Perf: 20 holes: 2788-2802 Gordon

Frac: 75% Foam: Broke @ 2300, ISP-2100, 400SKS 20/40 sand N2 459,671 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	2300	
Sand, Limestone			2300	2450	Squaw-2360-2377 Weir-2404-2425
Sand			2450	2600	1st Berea-2552-2560 2nd Berea-2560-2566
Sand and Shale			2600	<u>2950</u>	<u>Gordon-2802-2840</u>

(Attach separate sheets as necessary)

Clay Resources, Inc.
Well Operator

By: Jon Ketting

Date: August 19, 1981

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 soil, encountered in the drilling of a well."



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1) Date: January 24, 1986
 2) Operator's Well No. J. Nice #11
 3) API Well No. 47 103 -1380
 State County Permit

STATE OF WEST VIRGINIA -
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DIVISION OF OIL & GAS
 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: 1219' 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 Warren Drilling Co., Inc.
 Address P.O. Box 103
Dexter City, OH
- 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, 3100' feet
- 13) Approximate trata depths: Fresh, 569 feet; salt, 2198' feet.
- 14) Approximate coal seam depths: 1019' 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						* 600	* 600	CTS	R King LE 15.05
Fresh water	8 5/8					1419'	1419'	CTS	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 47-103-1380 Date February 6 19 86

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 6, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ALS</u>	Plat: <u>PS</u>	Casing: <u>MS</u>	Fee: <u>1634</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. John H. ... Director, Division of Oil and Gas File

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