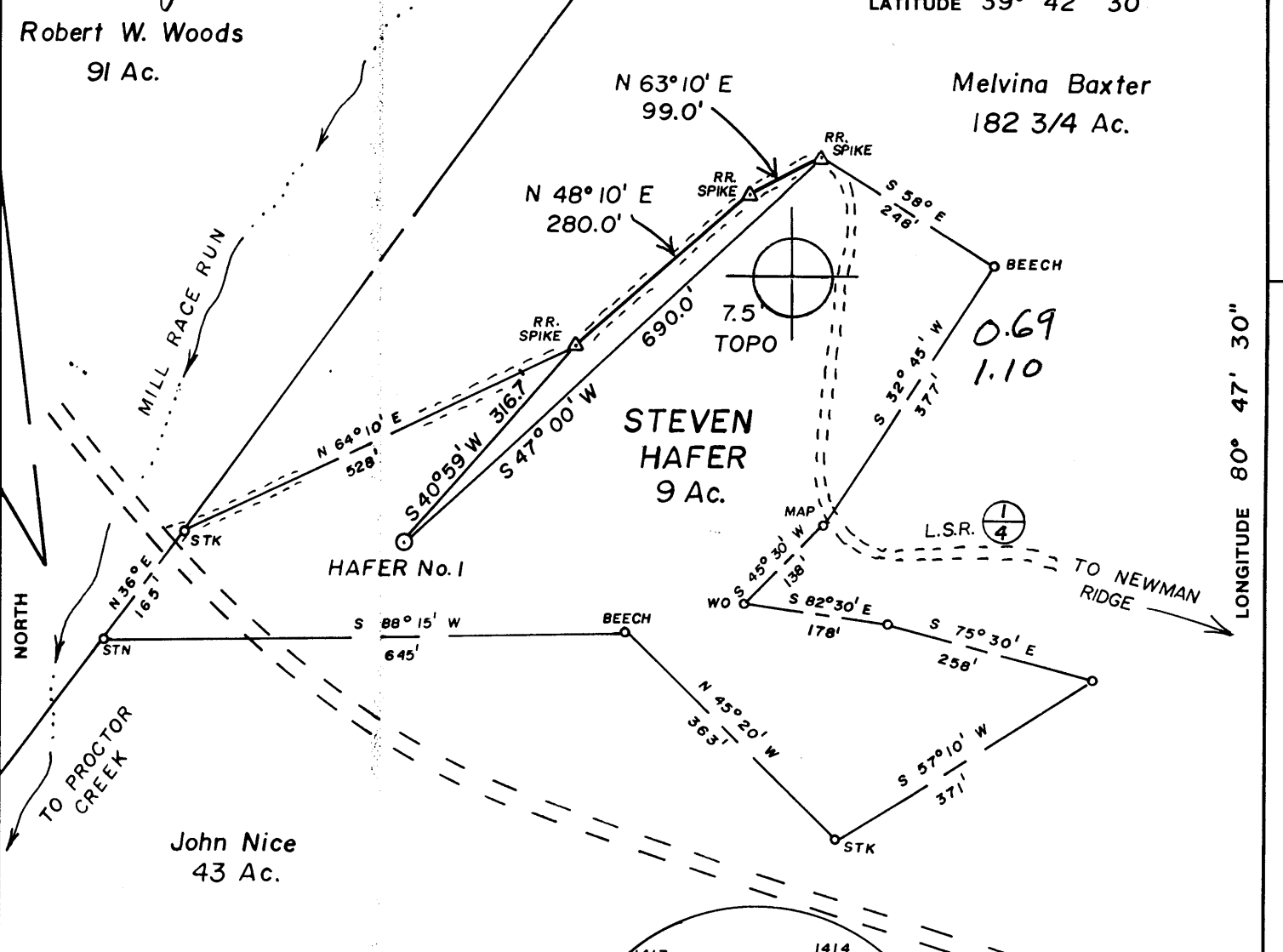


11/2/87

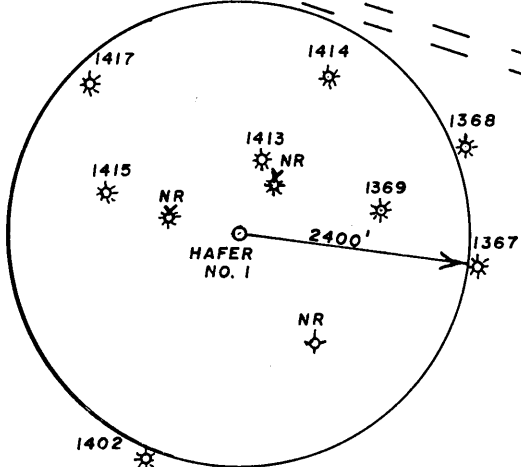
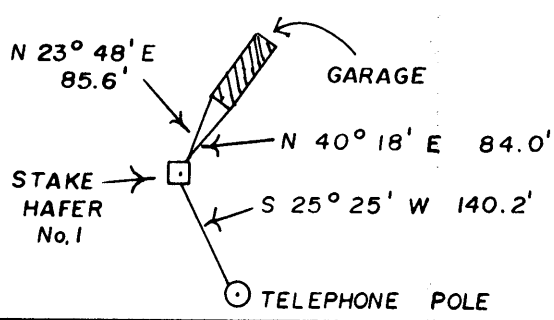
LATITUDE 39° 42' 30"

5,725'

LONGITUDE 80° 47' 30"

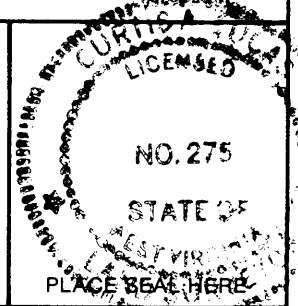


LOCATION REFERENCES



FILE NO. 100-5
 MAP TOPO SQS _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION R.W. Woods No. 2 = 660' (API = 47-103-1413)

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE April 20, 1987
 FARM Steven Hafer NO. 1
 API WELL NO.

47 - 103 - 1423
 STATE COUNTY PERMIT
Cancelled

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 720' WATER SHED Proctor Creek
 DISTRICT Proctor 7 COUNTY Wetzel
 QUADRANGLE New Martinsville 7.5'

SURFACE OWNER Steven Hafer et. ux. ACREAGE 9
 OIL & GAS ROYALTY OWNER Steven Hafer et. ux. LEASE ACREAGE 9
 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) _____

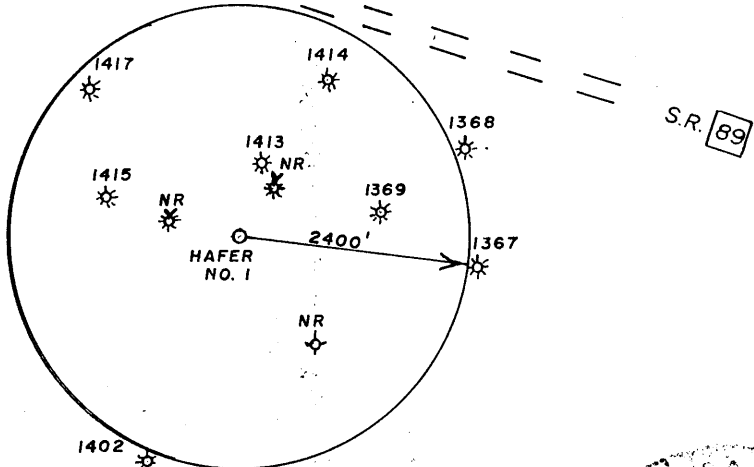
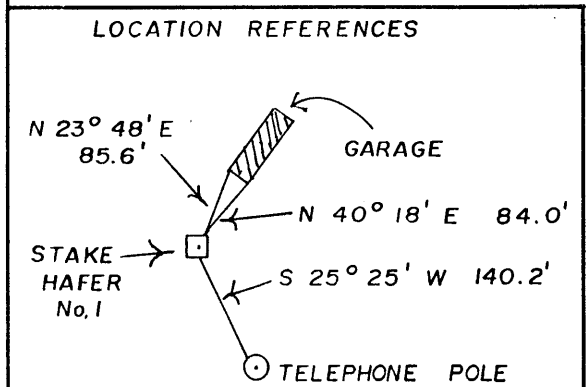
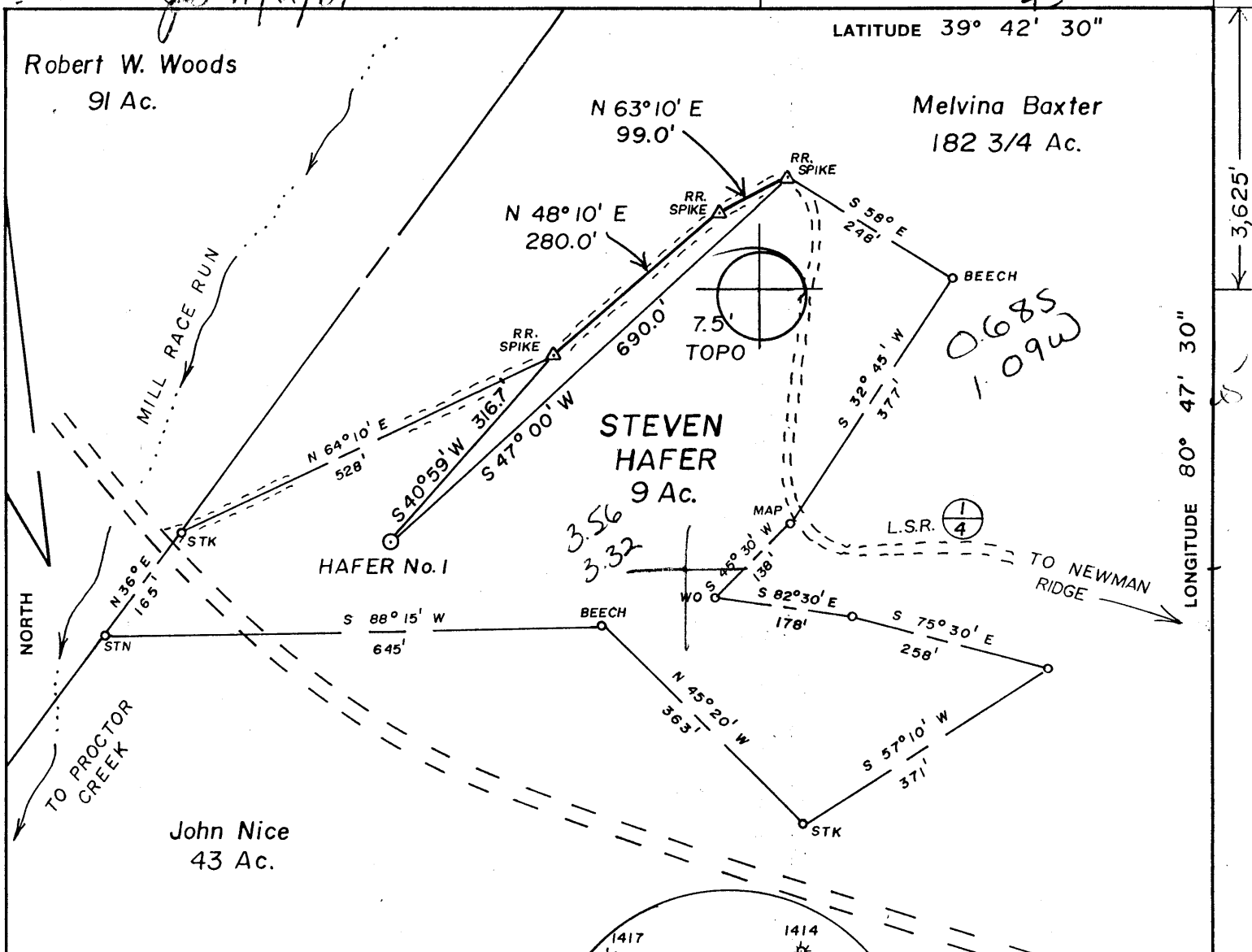
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Gordon ESTIMATED DEPTH 2600'
 WELL OPERATOR Clay Resources DESIGNATED AGENT Andy Brown
 ADDRESS 286 Front Street ADDRESS P.O. Box 32
Marietta, Ohio 45750 172 Reader, W.Va. 26167 JAN 19 1987

WET. 1423

11/2/87

5,725'45" LATITUDE 39° 42' 30"

3,625" LONGITUDE 80° 47' 30"



FILE NO. 100-5
 MAP TOPO SQS _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION R.W. Woods No. 2 = 660' (API = 47-103-1413)

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275

NO. 275
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE April 20, 1987
 FARM Steven Hafer NO. 1
 API WELL NO. 47 - 103 - 1423
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 720' WATER SHED Proctor Creek
 DISTRICT Proctor 1 COUNTY Wetzel
 QUADRANGLE New Martinsville 7.5' 509 091 NE 3
 SURFACE OWNER Steven Hafer et. ux. ACREAGE 9
 OIL & GAS ROYALTY OWNER Steven Hafer et. ux. LEASE ACREAGE 9
 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 2600'
 WELL OPERATOR Clay Resources DESIGNATED AGENT Andy Brown
 ADDRESS 286 Front Street ADDRESS P.O. Box 32
Marietta, Ohio 45750 172 Reader, W.Va. 26167

NOV 9 1987

7/85
RECEIVED
 OCT 30 1987



1) Date: October 23, 1987
 2) Operator's Well No. Hafer #1
 3) API Well No. 47 State 103 County 1423 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: 720' Watershed: Proctor Creek **508**
 District: Proctor **7** County: Wetzel **103** Quadrangle: New Martinsville **7.5'**
- 6) WELL OPERATOR Clay Resources Inc. CODE: 10025 7) DESIGNATED AGENT Andrew C. Brown, Jr.
 Address 286 Front Street Address Box 229, Piney Route
Marietta, Ohio 45750 Pine Grove, W.Va. 26419
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood
 Address Route 2, Box 135
Salem, W. Va. 26426
- 9) DRILLING CONTRACTOR: Name Warren Drilling
 Address P.O. Box 103
Dexter City, Ohio 45727
- 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, 50, 90, 150' feet; salt, 1699 feet.
 14) Approximate coal seam depths: 520' 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										
Fresh water	8-5/8					950'	950'	675 675	Kinds per rule 15-05 Sizes 38 CSR18-11.3 38 CSR18-11.22 Depths set per rule 15-01 38 CSR18-11.1	
Coal										
Intermediate										
Production	4-1/2					3100 approx.	3100 approx.			
Tubing										
Lin.										

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-103-1423 Date November 3, 19 87

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 November 3, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>236</u> <u>5186</u>	WVCF: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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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.