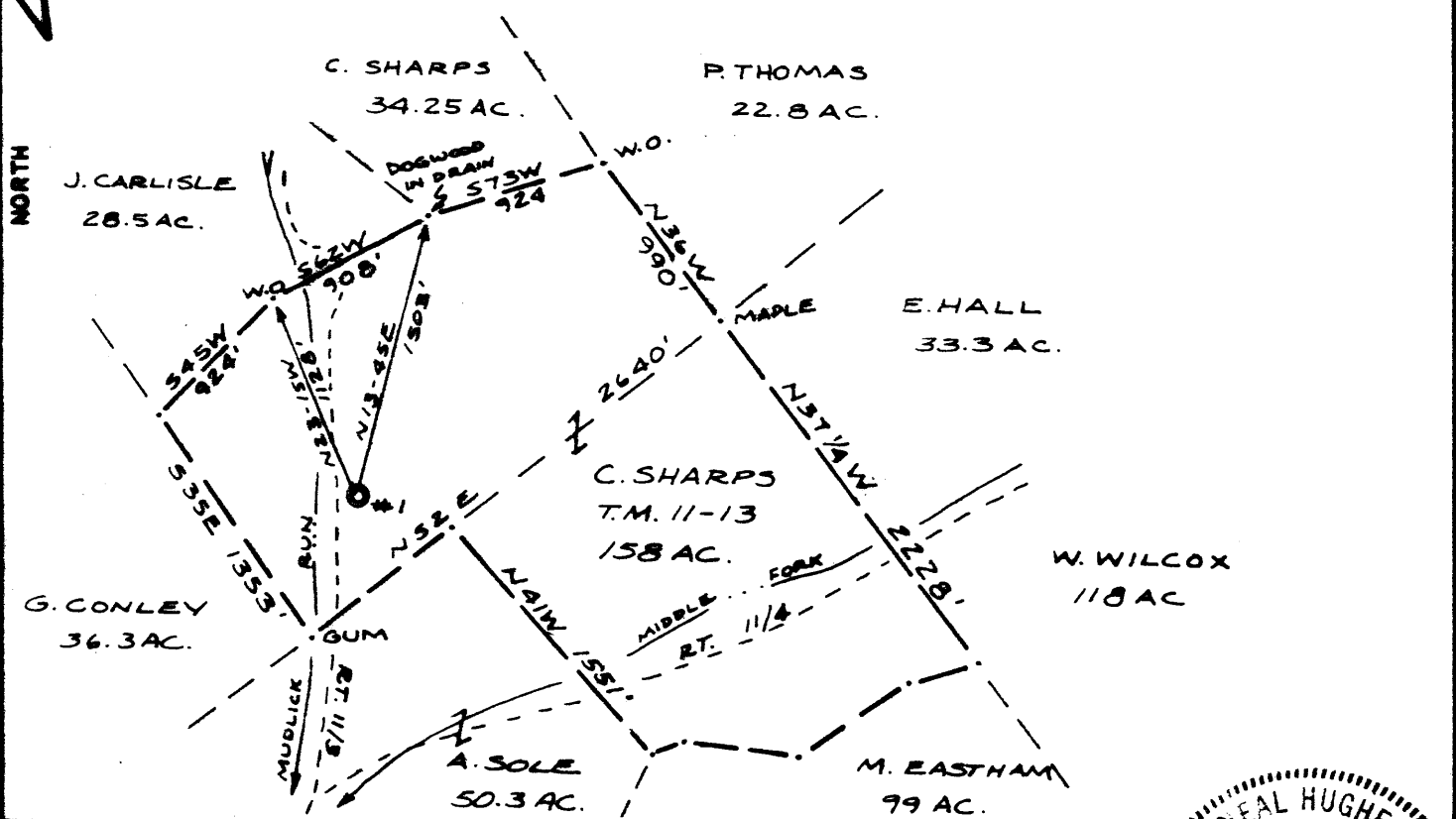
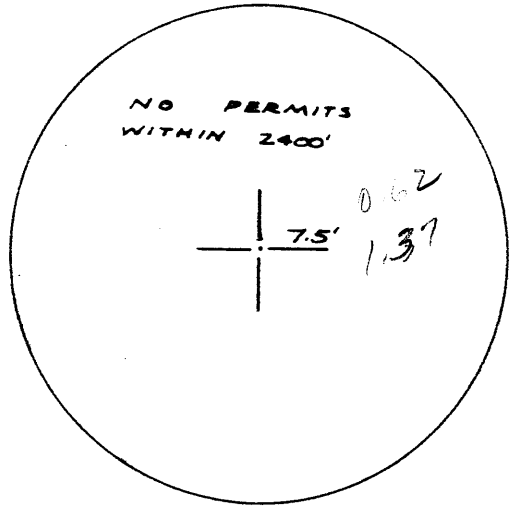
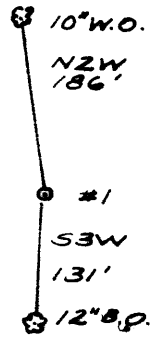


7,200'

LONGITUDE 80° 47' 30"

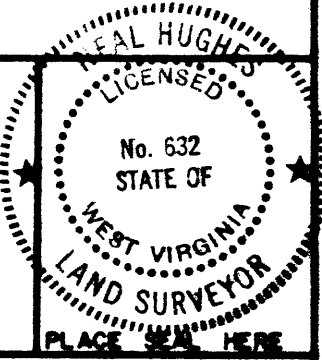
3,300'

DETAIL SKETCH CODE CARD PLOT LATITUDE 39° 32' 30"



FILE NO. 84-52
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 774 LONETREE

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

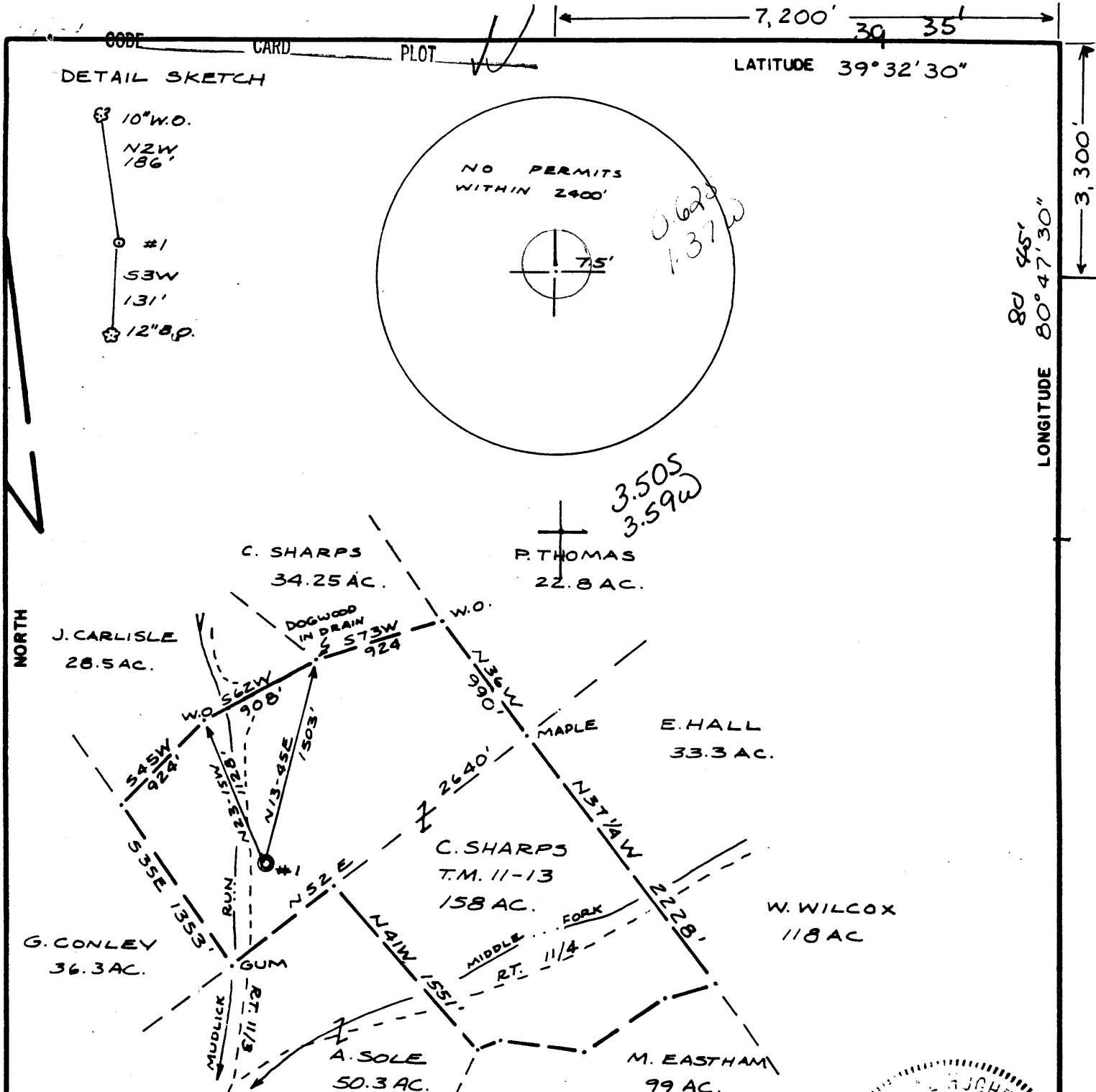
DATE AUG. 17, 1984
 OPERATOR'S WELL NO. SHARPS 1
 API WELL NO. _____
47 - 095 - 1100 - P
 STATE COUNTY PERMIT

*WVDEP database plugged 4/12/85
 kla 5/20/85*

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 842' WATER SHED MUDLICK RUN
 DISTRICT ELLSWORTH COUNTY TYLER
 QUADRANGLE PORTER FALLS
 SURFACE OWNER CARL SHARPS ACREAGE 158
 OIL & GAS ROYALTY OWNER CARL SHARPS LEASE ACREAGE 158
 LEASE NO. 4
 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 BRADFORD ESTIMATED DEPTH 4500'
 WELL OPERATOR ROSS EXPLORATION DESIGNATED AGENT ROB WILSON
 ADDRESS GLENPONTE CENTRE EAST TEANECK, N.J. 07666 ADDRESS PARKERSBURG, WVA 26101

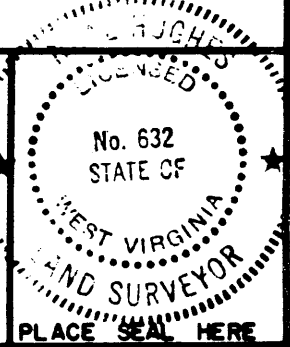
SEP 16 1985

TYLER 1100



FILE NO. 84-52
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 774 LONETREE

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 (SIGNED) Neal Hughes
 R.P.E. _____ L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

DATE AUG. 17, 1984
 OPERATOR'S WELL NO. SHARPS 1
 API WELL NO. _____
47 - 095 - 1100
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 842' WATER SHED MUDLICK RUN
 DISTRICT ELLSWORTH 2 COUNTY TYLER
 QUADRANGLE PORTER FALLS New Marlinton SE 9
 SURFACE OWNER CARL SHARPS ACREAGE 158
 OIL & GAS ROYALTY OWNER CARL SHARPS LEASE ACREAGE 158
 LEASE NO. 4
 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 BRADFORD ESTIMATED DEPTH 4500'
 WELL OPERATOR ROSS EXPLORATION DESIGNATED AGENT ROB WILSON
 ADDRESS GLENPOINTE CENTRE EAST ADDRESS PARKERSBURG, W.VA. 26101
TEANECK, N.J. 07666

FEB 11 1985

RECEIVED



1) Date: Feb. 7 1985, 19
 2) Operator's Well No. Sharps #1
 3) API Well No. 47 - 095 - 1100
 State County Permit

FEB - 7 1985

**OIL & GAS DIV.
DEPT. OF MINES**

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, 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: 842' / Watershed: Mudlick Run
 District: Elsworth / County: Tyler / Quadrangle: Porter Falls
- 6) WELL OPERATOR Ross Exploration / 7) DESIGNATED AGENT Rob Wilson (CELLS R. Wilson)
 Address Glenpointe Center East / Address 1308 Market
Teaneck N.J. 07666-6796 / Parkersburg W.V. 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) DRILLING CONTRACTOR:
 Name Robert Lowther / Name Abigo Oil
 Address General Delivery / Address Route 5
Middlebourne W.V. 26149 / Marietta Ohio 45750
- 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, Bradford
 12) Estimated depth of completed well, 4200' feet
 13) Approximate strata depths: Fresh, 200' feet; salt, 1400' feet.
 14) Approximate coal seam depths: 800' 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>±) 10"</u>	<u>API</u>	<u>36#</u>	<input checked="" type="checkbox"/>		<u>350</u>	<u>350</u>	<u>15 SX</u>	<u>by rule 15.05</u>	
Fresh water	<u>8"</u>	<u>"</u>	<u>20#</u>	<input checked="" type="checkbox"/>		<u>1000</u>				
Coal	<u>8 7/8"</u>	<u>"</u>	<u>17#</u>	<input checked="" type="checkbox"/>		<u>1600</u>	<u>1600</u>		Sizes	
Intermediate	<u>4 1/2"</u>	<u>API</u>	<u>10 1/2#</u>	<input checked="" type="checkbox"/>		<u>4200</u>	<u>4200</u>	<u>500 SX</u>	<u>as required by rule 15.01</u>	
Production										
Tubing										
Liners									Perforations: Top Bottom	

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-095-1100

February 7, 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 February 7, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>CO</u>	<u>MW</u>	<u>MW</u>	<u>MW</u>	<u>102</u>

Margaret J. Hesse
 Administrator, Office of Oil and Gas

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

File