

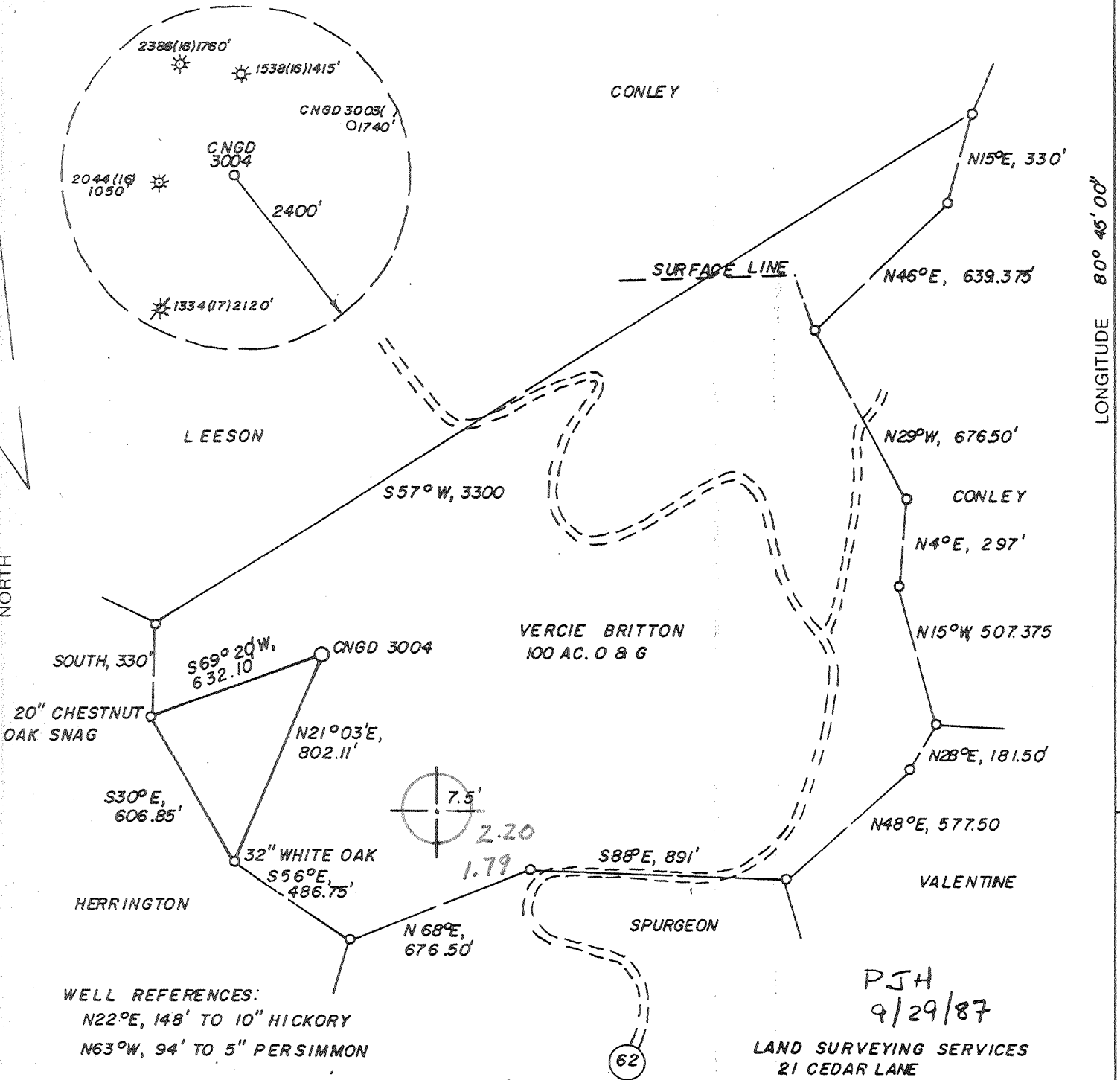
87B 10/23/87

9515'

LATITUDE 39° 10' 00"

LONGITUDE 80° 45' 00"

NORTH



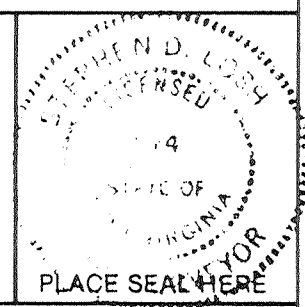
WELL REFERENCES:
 N22°E, 148' TO 10" HICKORY
 N63°W, 94' TO 5" PERSIMMON

PJH
 9/29/87
 LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INTER. 1285'
NE. OF LOC. AT ELEV. 939'

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 ENERGY.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. NO 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE SEPT. 3, 19 87
 OPERATOR'S WELL NO. CNGD 3004
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1098' WATER SHED MIDDLE FORK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5'

47 - 017 - 3609
 STATE COUNTY PERMIT
CANCELLED

SURFACE OWNER TERRY E. LEESON ACREAGE 19
 OIL & GAS ROYALTY OWNER VERCIE BRITTON, HRS. LEASE ACREAGE 100
 LEASE NO. DV 12911

PROPOSED WORK: DRILL X 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS ROUTE 2, BOX 698
PITTSBURGH, PA 15244 0142 BRIDGEPORT, WV 26330

COUNTY NAME DODDRIDGE
 PERMIT 3609

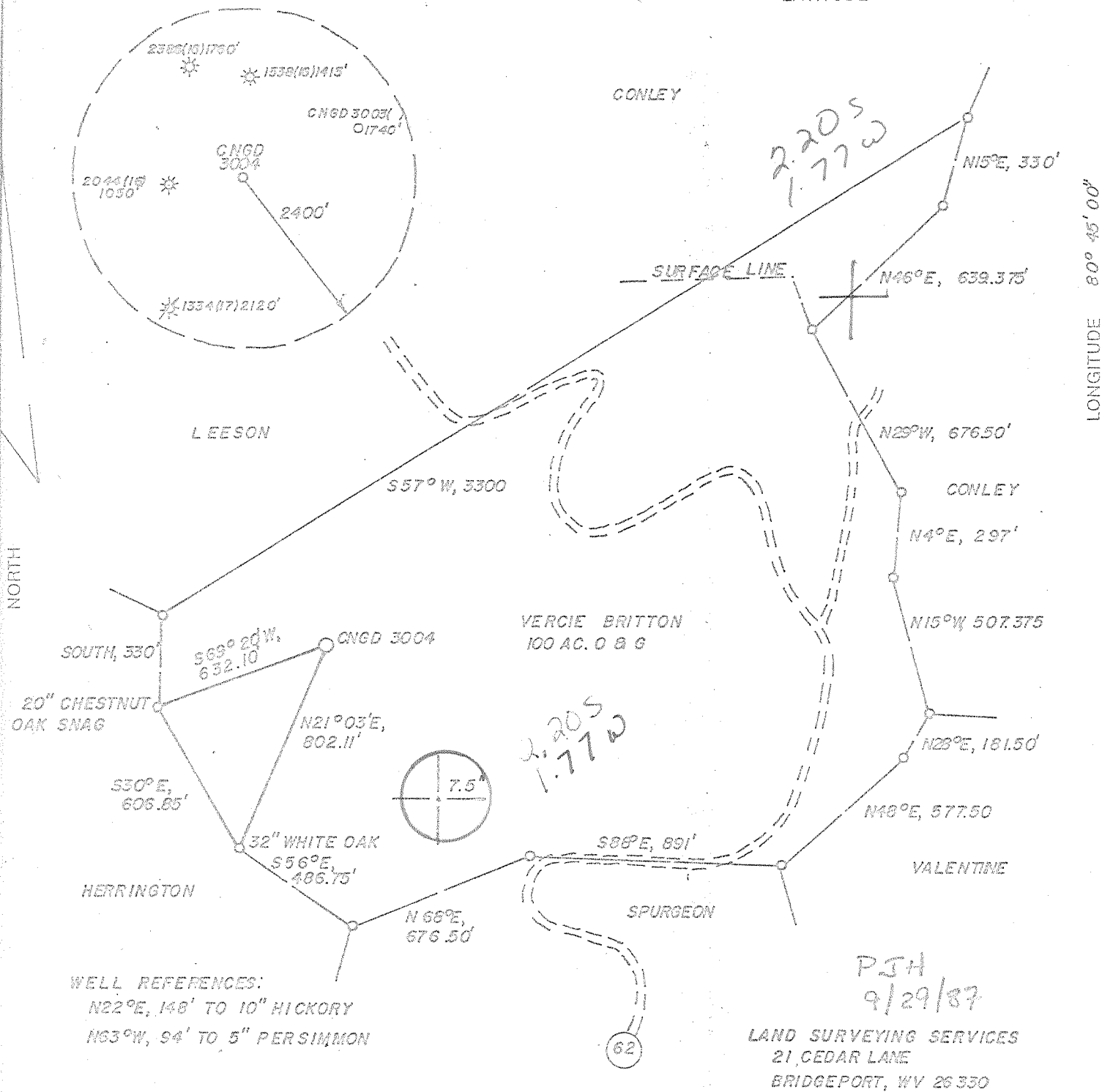
NOV 20 1989

B 10/23/87

9515'

LATITUDE 39° 10' 00"

LONGITUDE 80° 45' 00"



2.20S
1.77W

2.20S
1.77W

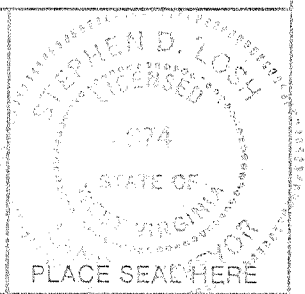
PJH
9/29/87

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION ROAD INTER 1285' NE. OF LOC. AT ELEV. 939'

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 ENERGY.
(SIGNED) *[Signature]*
R.P.E. _____ L.L.S. NO 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE SEPT. 3, 19 87
OPERATOR'S WELL NO. CNGD 3004
API WELL NO. 47-017-3609

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1099' WATER SHED MIDDLE FORK
DISTRICT COVE 2 COUNTY DODDRIDGE
QUADRANGLE OXFORD 7.5' 526 058 EC6
SURFACE OWNER TERRY, E. LEESON ACREAGE 19.
OIL & GAS ROYALTY OWNER VERCIE BRITTON, MRS. LEASE ACREAGE 100.
LEASE NO. DV 12911

PROPOSED WORK: DRILL X 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 ALEXANDER ESTIMATED DEPTH 5400'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. MCHOLAS NOV 16 1987
ADDRESS ONE PARK RIDGE CENTER ADDRESS ROUTE 2, BOX 698
PITTSBURGH, PA 15244 142 BRIDGEPORT, WV 26370

COUNTY NAME
PERMIT



FORM WW-2(B) FILE COPY
(Obverse)
RECEIVED
OCT 22 1987

1) Date: October 1, 19 87
2) Operator's Well No. CNGD 3004
3) API Well No. 47 17 3609
State 17 County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil / Gas X /
B (if "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1098 Watershed: Middle Fork
District: Cove County: Doddridge Quadrangle: Oxford
- 6) WELL OPERATOR CNG Development Co CODE: 10110 7) DESIGNATED AGENT Gary Nicholas
Address c/o Cheryl S. Hartle P.O. Box 15746 Address Crosswind Corporate Park
Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood 9) DRILLING CONTRACTOR:
Address Route 2, Box 114 Name Sam Jack Drilling Co.
Salem, WV 26426 Address P.O. Box 48
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X /
Plug off old formation / Perforate new formation
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 5400 feet
- 13) Approximate strata depths: Fresh, 186, -243, 473 feet; salt, 1140 feet.
- 14) Approximate coal seam depths: 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									Kinds <u>38 CSR 18-11.3</u>
Fresh water	<u>11-3/4</u>	<u>H-40</u>	<u>42</u>	<u>X</u>		<u>200</u>	<u>200</u>	<u>To surface</u>	By rule <u> </u>
Coal									Sizes <u>38 CSR 18-11.3</u>
Intermediate	<u>8-5/8</u>	<u>X-42</u>	<u>23</u>	<u>X</u>		<u>1650</u>	<u>1650</u>	<u>To surface</u>	By rule <u> </u>
Production	<u>4-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5400</u>	<u>5400</u>	<u>200 - 400</u>	Depths set <u>38 CSR 18-11.1</u>
Tubing	<u>1-1/2</u>	<u>CN-55</u>	<u>2.75</u>	<u>X</u>		<u>5300</u>	<u>5300</u>		By rule <u> </u>
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3609 November 10 19 87
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 November 10 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u> </u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>235</u>	WTCP: <u> </u>	S&E: <u> </u>	Other: <u> </u>
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20778

NOTE: Keep one copy of this permit posted at the drilling location.
Director, Division of Oil and Gas File

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