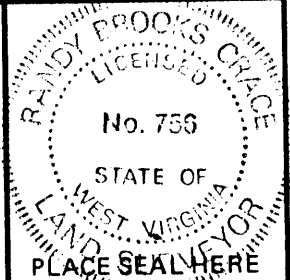


— LEGEND —
 ○ - PROPERTY CORNER PER SURVEY
 ● - PROPERTY CORNER PER DEED
 410-B - TAX PARCEL
 FND - FOUND

REVISED: SEPT. 24, 1984

FILE NO. 5-8212
 DRAWING NO. ONE OF ONE
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION GAS WELL
WOOD 927 ELEV. 937'

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) Randy Brooks Crace
 R.P.E. _____ L.L.S. 756 W.V.A.



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



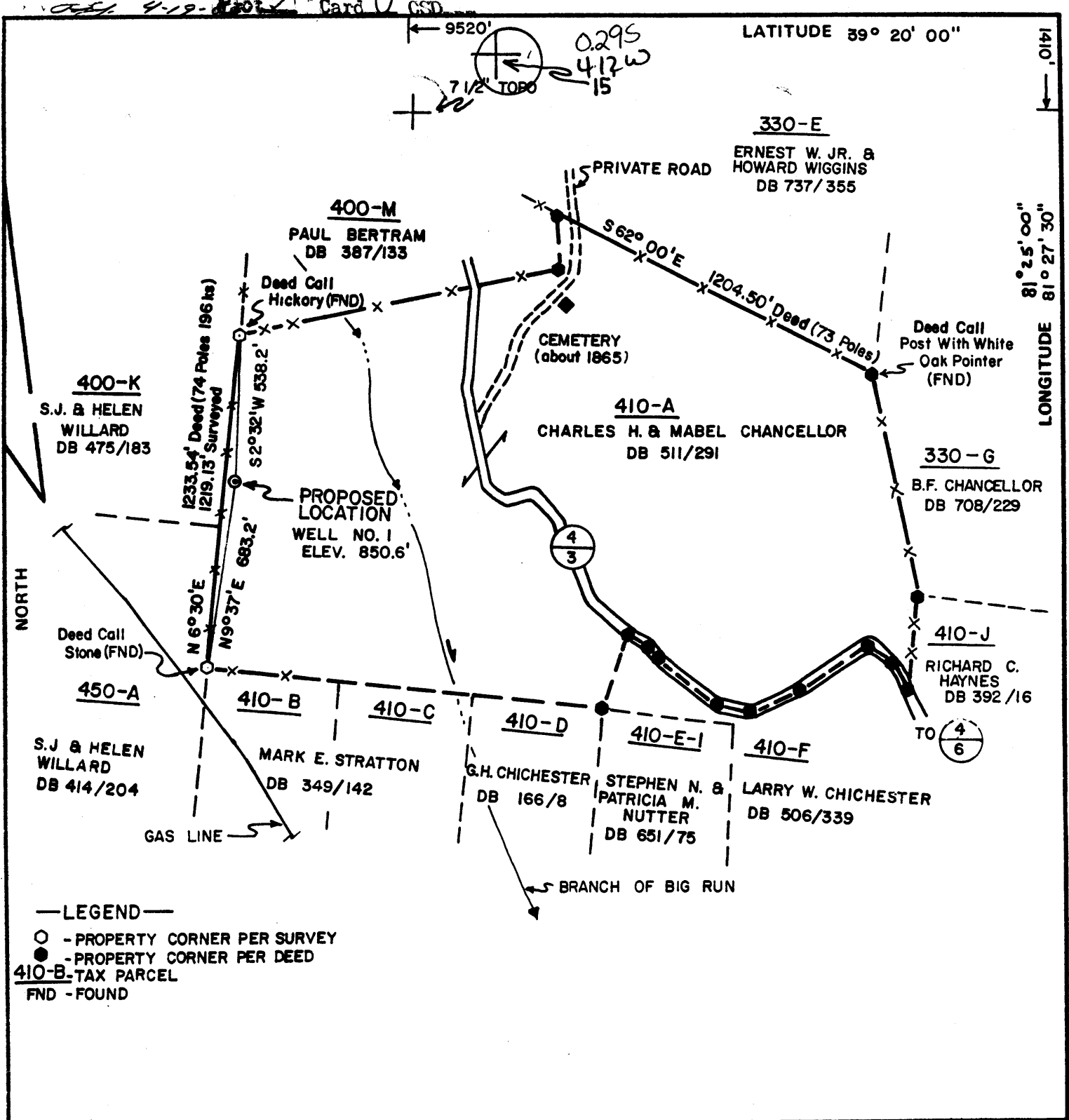
DATE JANUARY 13, 19 83
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 107 - 1250 - ~~1250~~
 STATE COUNTY PERMIT

(+) 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 850.6 WATER SHED BIG RUN OF OHIO RIVER
 DISTRICT WILLIAMS COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7 1/2" QUAD.
 SURFACE OWNER CHARLES H. & MABEL CHANCELLOR, et al ACREAGE 80
 OIL & GAS ROYALTY OWNER ODA S. HEINLEIN, CHARLOTTE & LOUIS MANDALARI ACREAGE 80
 LEASE NO. LEASE BOOK 766 p.28, 767 p. 653
 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 FIFTH SANDS ESTIMATED DEPTH 4,600'
 WELL OPERATOR PHOENIX GAS & OIL EXPL., INC. DESIGNATED AGENT RICHARD SCHARF
 ADDRESS 655 3rd AVENUE ADDRESS P.O. BOX 1109
NEW YORK, NEW YORK, 10017 MORGANTOWN, WVA 26507

NOV 17 1986

WOOD 1250



—LEGEND—
 ○ - PROPERTY CORNER PER SURVEY
 ● - PROPERTY CORNER PER DEED
 410-B - TAX PARCEL
 FND - FOUND

FILE NO. 5-8212
 DRAWING NO. ONE OF ONE
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION GAS WELL
WOOD 927 ELEV. 937'

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) Randy Brooks Crace
 R.P.E. _____ L.L.S. 756 WVA.

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JANUARY 13, 19 83
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 107 - 1250
 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 850.6 WATER SHED BIG RUN OF OHIO RIVER
 DISTRICT WILLIAMS COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7 1/2" QUAD. Marietta 15' SW
 SURFACE OWNER CHARLES H. & MABEL CHANCELLOR ACREAGE 80
 OIL & GAS ROYALTY OWNER ODA S. HEINLEIN, CHARLOTTE & LOUIS MANDALARI ACREAGE 80
 LEASE NO. LEASE BOOK 766 p.28, 767 p. 653
 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 FIFTH SANDS ESTIMATED DEPTH 2950'
 WELL OPERATOR PHOENIX OIL & GAS EXPL., INC. DESIGNATED AGENT RICHARD SCHARF
 ADDRESS 655 3rd AVENUE ADDRESS P.O. BOX 8440

APR 25 1983

WOOD 1250

RECEIVED
SEP 28 1984



1) Date: AUGUST 13, 19 84
2) Operator's Well No. MANDALARI #1
3) API Well No. 47 107 1250 -REN
State County Permit

Renew

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL & GAS DIVISION
DEPT. OF MINES

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil Gas B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 850.6' Watershed: BIG RUN OF OHIO RIVER
District: WILLIAMS County: WOOD Quadrangle: VALLEY MILLS
- 6) WELL OPERATOR PHOENIX GAS & OIL EXPL., INC DESIGNATED AGENT RICHARD SCHARF
Address 655 THIRD AVE Address P. O. BOX 1109
NEW YORK, N.Y., 10017 MORGANTOWN, WV, 26507
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name GLENN P. ROBINSON
Address ROUTE 1, #6, MT. PLEASANT ESTATE
MINERALWELLS, WV, 26150
- 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, MARCELLUS SHALE
- 12) Estimated depth of completed well, 4600 feet
- 13) Approximate trata depths: Fresh, 150,250 feet; salt, 1,700 feet.
- 14) Approximate coal seam depths: NO COAL Is coal being mined in the area? Yes No

RECEIVED
AUG 24 1984

OIL & GAS DIVISION
DEPT. OF MINES

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	11 3/4			X		280,	280'	TO SURF	Kinds
Fresh water									Sizes
Coal				X		1,900'	1,900'	AS REQ.	Depths set
Intermediate	8 5/8			X		4,600'	4,600'	AS REQ.	
Production	4 1/2								
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1250-REN Date November 1 19 84

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 1, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>TS</u>	Fee: <u>248</u>
<u>118</u>				

Margaret J. Hass
Administrator, Office of Oil and Gas

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

File

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