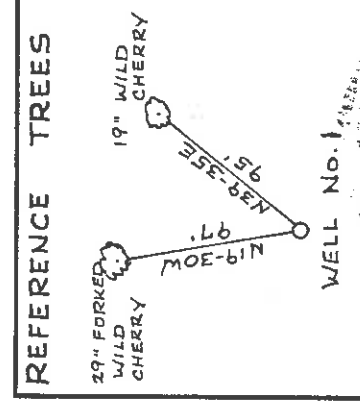
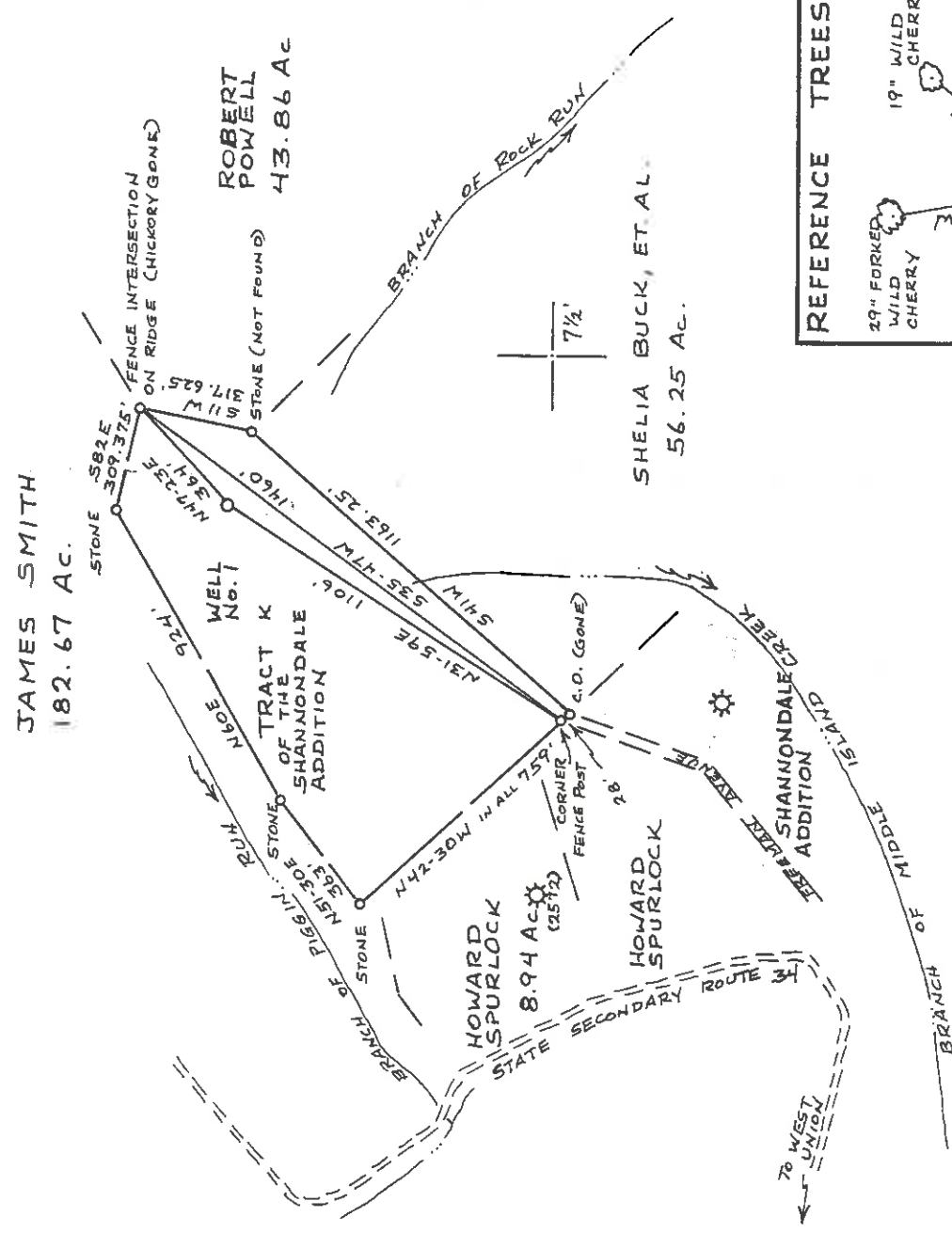


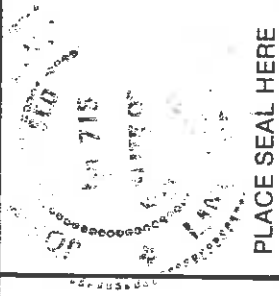
4,410'



(+) 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 BM AT BRIDGE IN WEST UNION ELEV 785'

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) John Strickling R.P.E. L.L.S. 715



DATE 25 OCTOBER 19 84  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47 017 3470  
 STATE COUNTY PERMIT  
 WEST UNION CANCELLED  
 COUNTY DODD RIDGE  
 ACREAGE 182.67



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

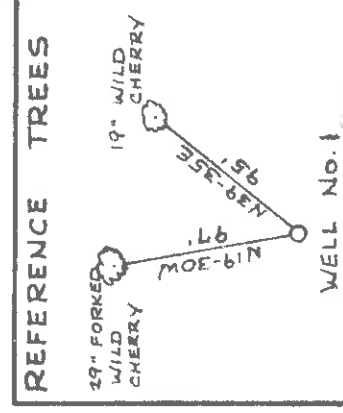
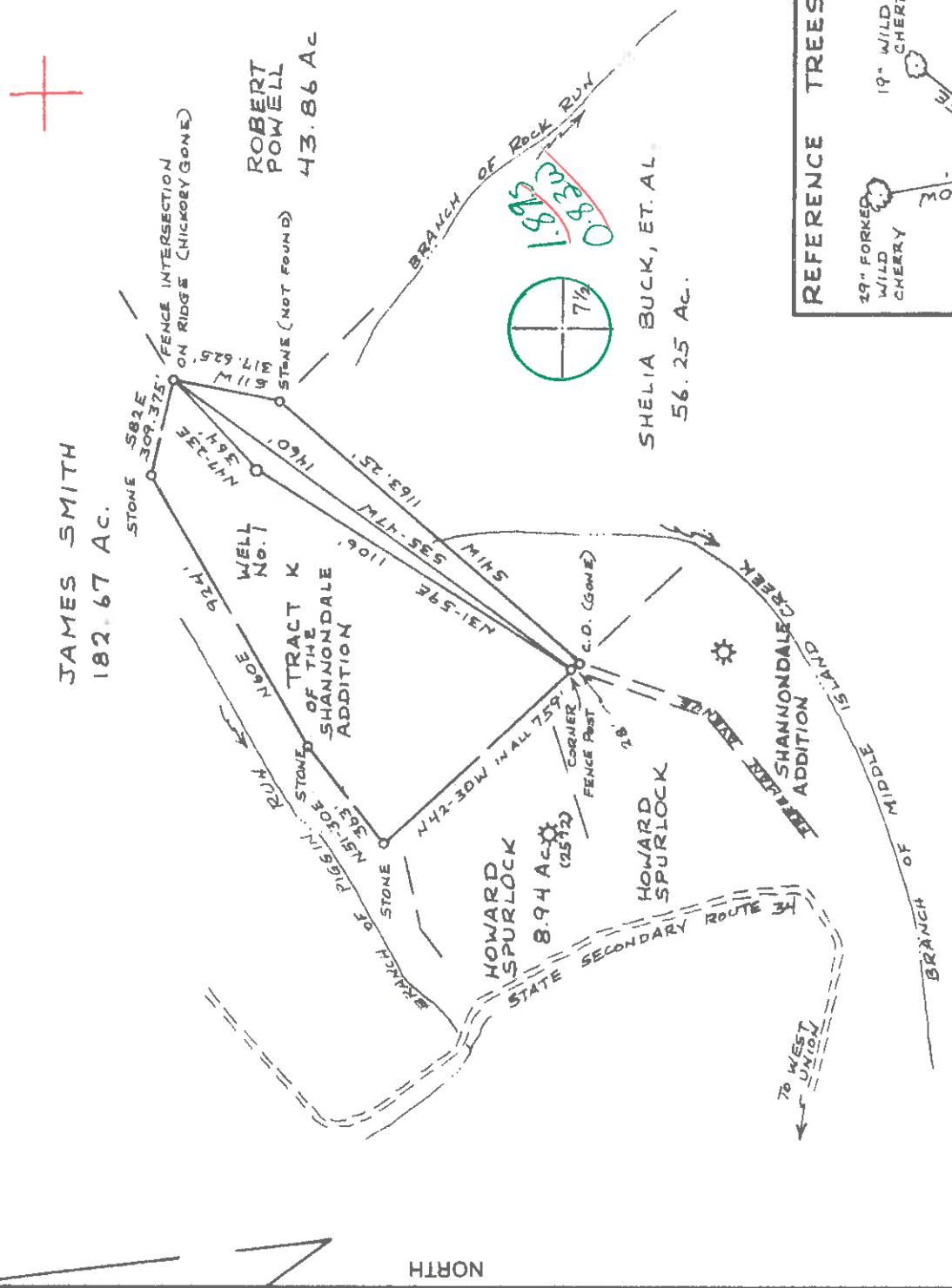
WELL TYPE: OIL X GAS X LIQUID INJECTION X WASTE DISPOSAL X  
 (IF "GAS") PRODUCTION X STORAGE X DEEP X SHALLOW X  
 LOCATION: ELEVATION 1241' WATERSHED ROCK RUN AND MIDDLE ISLAND CREEK  
 DISTRICT WEST UNION COUNTY DODD RIDGE  
 QUADRANGLE WEST UNION, W.VA. 7 1/2'  
 SURFACE OWNER JAMES L. SMITH  
 OIL & GAS ROYALTY OWNER M.L. SHANNON HEIRS LEASE ACREAGE 141

PROPOSED WORK: DRILL X CONVERT X DRILL DEEPER X REDRILL X FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG  
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2300'  
 WELL OPERATOR HUGH SPENCER DESIGNATED AGENT HUGH SPENCER  
 ADDRESS WEST UNION, W.VA. 26456 ADDRESS WEST UNION, W.VA. 26456  
 DEC 28 1987

LATITUDE 39°20'00"  
 LONGITUDE 80°45'00"  
 4,410'

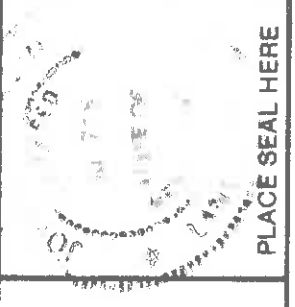
CODE \_\_\_\_\_ CARD \_\_\_\_\_ PLOT \_\_\_\_\_



(+) 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 BM AT BRIDGE IN WEST UNION ELEV 745'

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) John Strickling R.P.E. I.L.S. 715



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE 25 OCTOBER, 19 84  
 OPERATOR'S WELL NO. 1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1241' WATER SHED ROCK RUN AND MIDDLE ISLAND CREEK  
 DISTRICT WEST UNION 8 COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION, W.VA. 7 1/2' 691 133 SE 9  
 SURFACE OWNER JAMES L. SMITH  
 OIL & GAS ROYALTY OWNER M.L. SHANNON HEIRS LEASE NO. \_\_\_\_\_  
 LEASE NO. \_\_\_\_\_ ACREAGE 182.67

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 BIG INJUN \_\_\_\_\_ ESTIMATED DEPTH 2300'  
 WELL OPERATOR HUGH SPENCER DESIGNATED AGENT HUGH SPENCER  
 ADDRESS WEST UNION, W.VA. 26456 ADDRESS WEST UNION, W.VA. 26456

COUNTY NAME \_\_\_\_\_ PERMIT \_\_\_\_\_



1) Date: September 2, 1985  
2) Operator's Well No. Shannon # 1  
3) API Well No. 47 -017-3470  
State County Permit

**RECEIVED**  
SEP 4 1985

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

- 4) WELL TYPE: A Oil  / Gas  / B (If "Gas", Production  / Underground storage  / Deep  / Shallow   
Elevation: 1241  
District: West Union  
Watershed: Rock Run And Middle Island Creek  
County: Doddridge Quadrangle: West Union, W.V. 73
- 5) LOCATION: West Union  
6) WELL OPERATOR Hugh Spencer 830 CODE: 46700 7) DESIGNATED AGENT Hugh Spencer  
Address P.O. Box 249 Address P.O. Box 249  
West Union, W.Va. 26456  
8) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Harold Mike Underwood Name Spencer Enterprises  
Address Rt. # 2 Box 114 Address Box 113  
Salem, W.Va. 26426 Address Smithsburg, W.Va. 26436
- 9) DRILLING CONTRACTOR:  
Name Spencer Enterprises  
Address Box 113  
Smithsburg, W.Va. 26436

- 10) PROPOSED WELL WORK: Drill  / Redrill  / deeper  / Stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Big Injun 37  
12) Estimated depth of completed well, 2300 feet  
13) Approximate strata depths: Fresh, 220 feet; salt, None feet.  
14) Approximate coal seam depths: None feet; 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	New	Used		
Conductor	11 1/2"					
Fresh water	8"					
Coal						
Intermediate						
Production	4 1/2"					
Tubing						
Liners						

For drilling: Left in well  
20' 20'  
300' 300'

Perforations: Top Bottom  
CTS by rule 15.05  
200 SX rods required by rule 15.05

Permit number 47-017-3470 OFFICE USE ONLY  
**DRILLING PERMIT**  
Date September 25 19 85

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. September 25, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.  
Permit expires

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	<u>RB</u>	<u>MW</u>	<u>MW</u>	<u>305.88</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

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