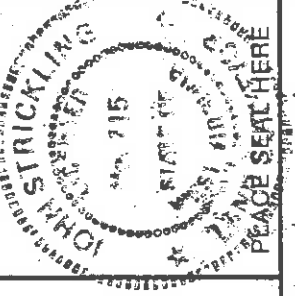


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION WELL 47-017-2389
 ELEV. 991.28'

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. 118 715



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 1 OCTOBER 19 84
 OPERATOR'S WELL NO. 3
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1050' WATERSHED ARNOLDS CREEK
 DISTRICT CENTRAL COUNTY PODDRIDGE
 QUADRANGLE WEST UNION, W.VA. 7 1/2'
 SURFACE OWNER WILLIAM DEMASTUS ACREAGE 69
 OIL & GAS ROYALTY OWNER H.H. HILEY HEIRS LEASE ACREAGE 140

PERMIT COUNTY PODDRIDGE
 47-017-3393

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

LEASE NO. _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2170'
 WELL OPERATOR HUGH SPENCER DESIGNATED AGENT HUGH SPENCER
 ADDRESS WEST UNION, W.VA. 26456 ADDRESS WEST UNION, W.VA. 26456

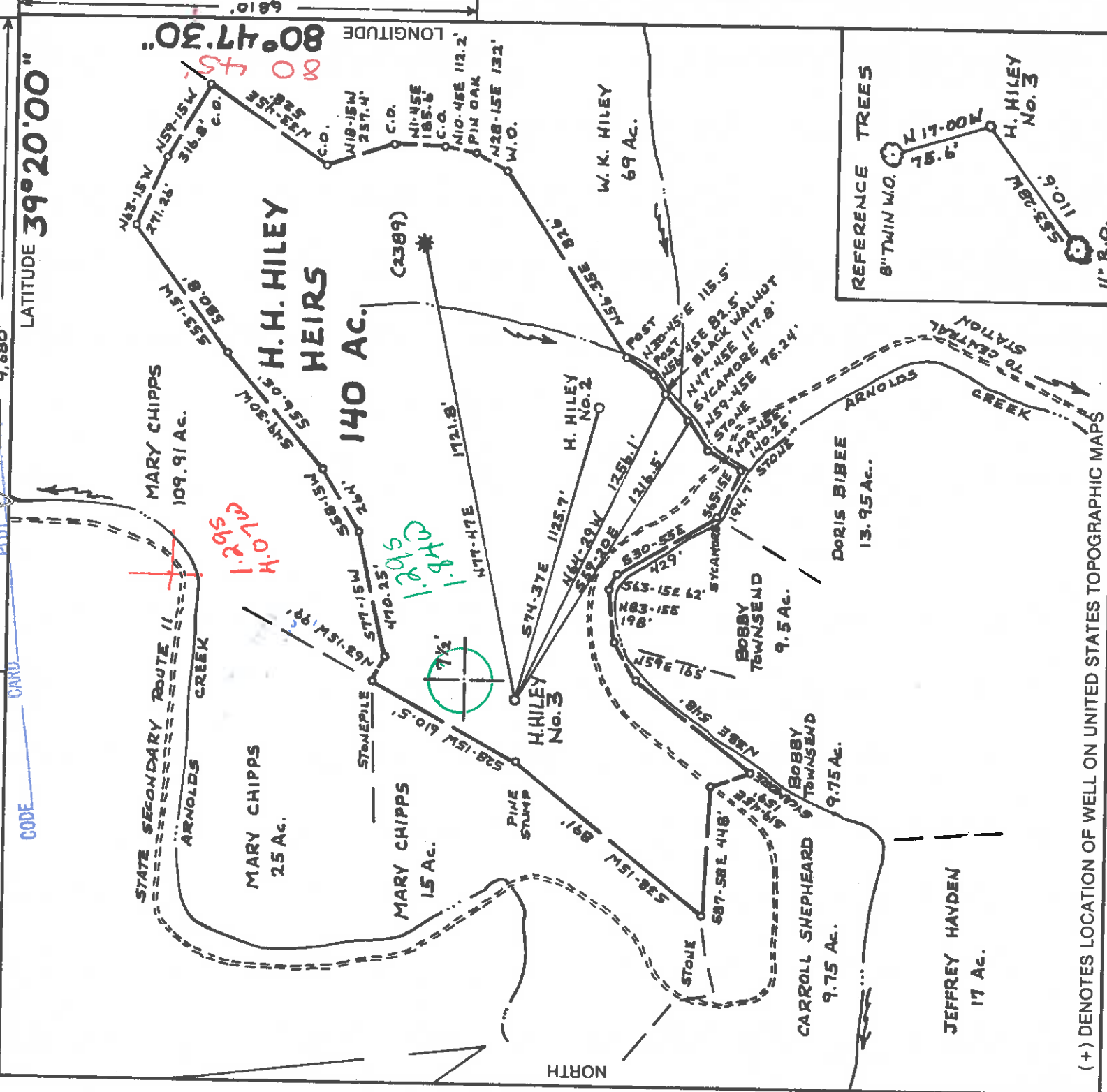
DODD COUNTY NAME
3393 PERMIT

FEB 3 1997

11/17/2025

FORM 17-0 (7-79)

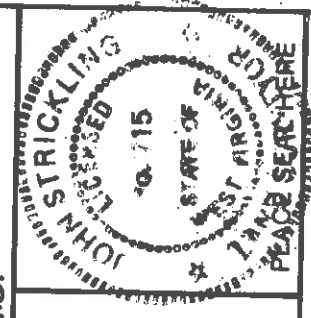
1111 12103117



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION WELL 47-017-2389
 ELEV. 991.28'

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 1 OCTOBER 19 84
 OPERATOR'S WELL NO. 3
 API WELL NO. 47 017 3393

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1050' WATER SHED ARNOLDS CREEK
 DISTRICT CENTRAL 671 133 COUNTY DODDRIDGE
 QUADRANGLE WEST UNION, W.VA. 7 1/2' 9 1/2' S 29
 SURFACE OWNER WILLIAM DEMASTUS
 OIL & GAS ROYALTY OWNER H.H. HILEY HEIRS LEASE ACREAGE 69
 LEASE NO. 140

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 2170'
 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: _____ 19 ____
 2) Operator's Well No. _____
 3) API Well No. 47-017-3393 State _____ County _____ Permit _____

RECEIVED

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

1984

4) WELL TYPE: Oil & Gas Division
 5) LOCATION: Elevation: 1050' District: CENTRAL Undergound storage: ARWOLDS CREEK Deep Shallow
 6) WELL OPERATOR: HUGH K SPENCER County: DODD Quadrangle: WEST UNION W.V. 742
 Address: CENTER POINT STARK Co DESIGNATED AGENT: HUGH K SPENCER
 8) OIL & GAS INSPECTOR TO BE NOTIFIED: WEST UNION W.V. 24456 Address: CENTER POINT STARK Co
 Name: Harold M Ke Underwood 9) DRILLING CONTRACTOR: Name: SPENCER ENTERPRISES
 Address: Box 114 Address: Box 143
Salem W.V. 24426 Southfork W.V. 24426
 10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation

11) GEOLOGICAL TARGET FORMATION, BIG INJUN Other physical change in well (specify) _____
 12) Estimated depth of completed well, 2170 feet
 13) Approximate true depths: Fresh, 273 feet; salt, _____ feet.
 14) Approximate coal seam depths: NONE 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.	For drilling	Left in well		
Conductor	11"			20'	300'		
Fresh water	8"						
Coal							
Intermediate							
Production Tubing	4 1/2"				2170'		
Liners							

Perforations: _____
 Top _____ Bottom _____

Permit number 47-017-3393 Date December 20, 1984
OFFICE USE ONLY
DRILLING PERMIT

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 December 20, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
146	MW	MW	MW	2921

Margaret J. Lason
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File _____

