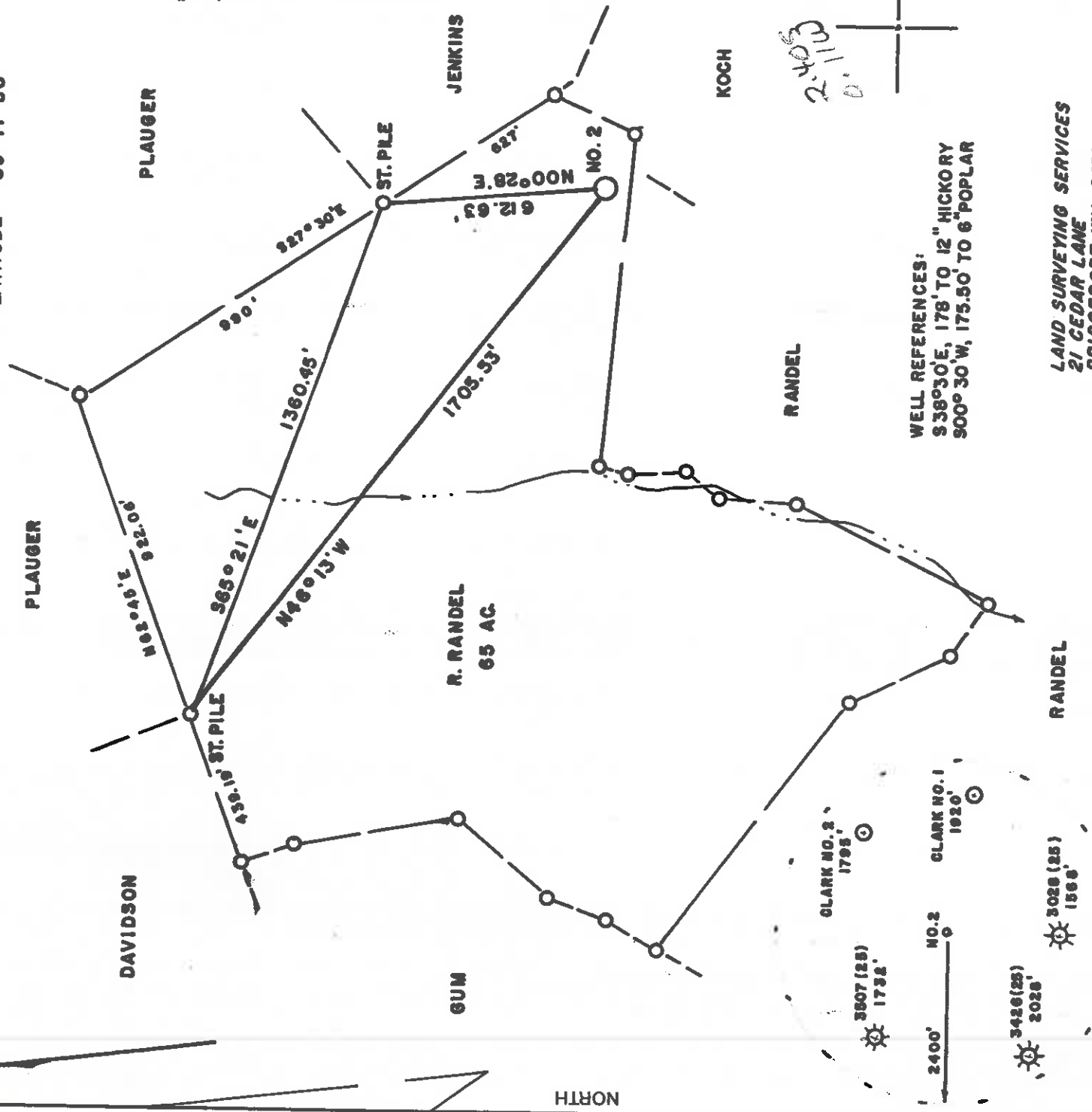


287B 12/10/86

LATITUDE 39°17'30"
LONGITUDE 80°35'00"



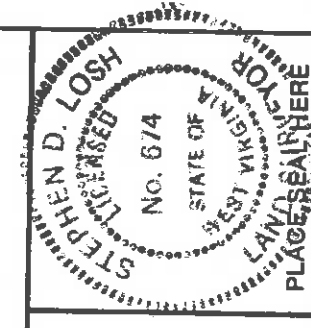
WELL REFERENCES:
S 38°30' E, 178' TO 12" HICKORY
S 00°30' W, 175.50' TO 6" POPLAR

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-642-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF
ACCURACY 1 in 200
PROVEN SOURCE OF
ELEVATION TOP OF KNOB 1100' S.
OF LOCATION ELEV. - 1410'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) *Stephen D. Losh*
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE NOVEMBER 26 19 86
OPERATOR'S WELL NO. SMITH NO. 2
API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1398' WATER SHED GREENBRIER CREEK
DISTRICT GREENBRIER COUNTY DODDRIDGE
QUADRANGLE SALEM 7.5 min.
SURFACE OWNER RIKK RANDEL
OIL & GAS ROYALTY OWNER RIKK RANDEL, et al. LEASE NO. _____ ACREAGE 157.13

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 ALEXANDER ESTIMATED DEPTH 5800'
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R JANE LEW, WV 26378
JANE LEW, WV 26378

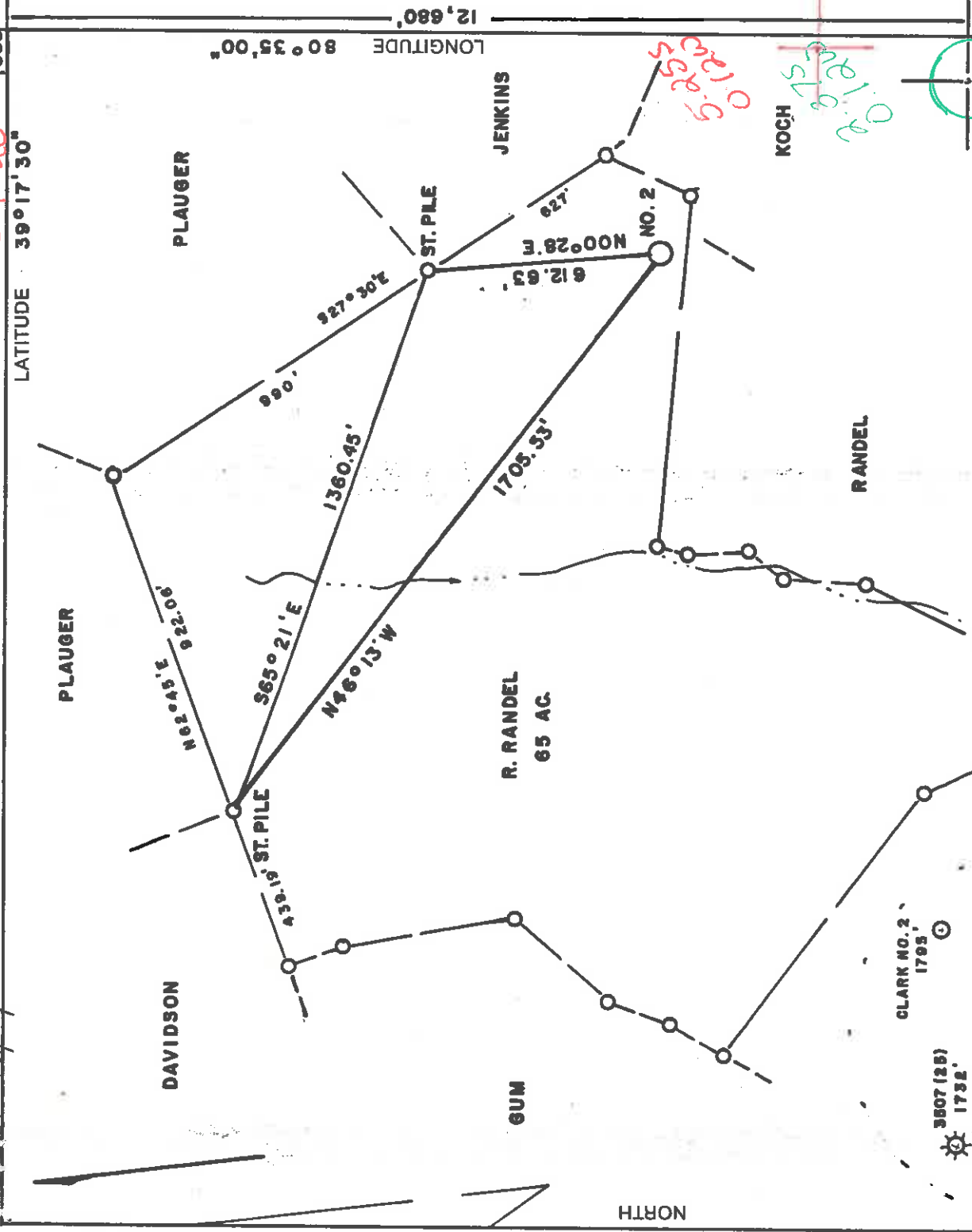
DODD COUNTY NAME
3519 PERMIT

47-017-3519
STATE COUNTY PERMIT

JAN 23 1989

87B 12/10/86

39 20



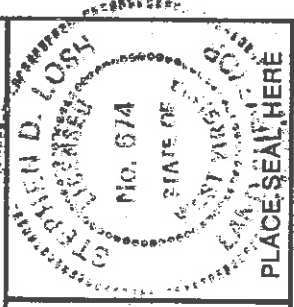
WELL REFERENCES:
 S38°30'E, 178' TO 12" HICKORY
 S00°30'W, 175.50 TO 6" POPLAR

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" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1100' S.
 OF LOCATION ELEV. - 1410'

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) *Stephen D. Losh*
 R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE NOVEMBER 26 19 86
 OPERATOR'S WELL NO. SMITH NO. 2
 API WELL NO. 47-017-3519

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1398' WATER SHED GREENBRIER CREEK
 DISTRICT GREENBRIER 4 COUNTY DODDRIDGE
 QUADRANGLE SALEM 7.5 min. 596 ACRES 022 5C8
 SURFACE OWNER RIKK RANDEL
 OIL & GAS ROYALTY OWNER RIKK RANDEL, et al. LEASE ACREAGE 157.13
 LEASE NO. 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 ALEXANDER ESTIMATED DEPTH 5800'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P. O. DRAWER R 44 ADDRESS P. O. DRAWER R JANE LEW, WV 26378
 JANE LEW, WV 26378

COUNTY NAME

PERMIT

JAN 05 1987

FORM WV-2
(Only for use by
7/85)



1) Date: DECEMBER 3, 19 86
2) Operator's Well No. SMITH (RANDEL) #2
3) API Well No. 47 017 -3519 State County Permit

DEC 08 1986

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

4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Undergrnd storage Deep / Shallow
Elevation: 1398
District: GREENBRIER 4
Watershed: GREENBRIER CREEK
5) LOCATION: DODDRIDGE 017
Quadrangle: SALEM 7.5 593
6) WELL OPERATOR: STONEWALL GAS CO. CODE: 27850 7) DESIGNATED AGENT: CHARLES W. CANFIELD
Address: P.O. DRAWER R
JANE LEW, WV 26378
8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name: MIKE UNDERWOOD (782-1043)
Address: ROUTE 2, BOX 114
SALEM, WV 26426
9) DRILLING CONTRACTOR:
Name: S.W. JACK DRILLING
Address: BUCKHANNON, WV 26201
10) PROPOSED WELL WORK: Drill / Redrill / Plug off old formation / Perforate new formation / Stimulate
Other physical change in well (specify) _____
11) GEOLOGICAL TARGET FORMATION, ALEXANDER 2749
12) Estimated depth of completed well, 5800 feet
13) Approximate true depths: Fresh, 75 feet; salt, 1280 feet.
14) Approximate coal seam depths: 920 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	Weight per ft.	For drilling	Left in well		
Conductor	11 3/4			243'	243'	TO SURFACE	
Fresh water							
Coal							
Intermediate	8 5/8		X	1807'	1807'	385 SKS	RULE 15.05
Production	4 1/2		X	5800'	5800'	620 SKS	Depths set RULE 15.05
Tubing							Perforations:
Liners							Top _____ Bottom _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3519

December 29 19 86
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 December 29, 1988

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

2560

Bond:	Agent: <i>AS</i>	Plat: <i>Gas</i>	Fee: <i>3936</i>	Other: <i>958</i>
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

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

File

