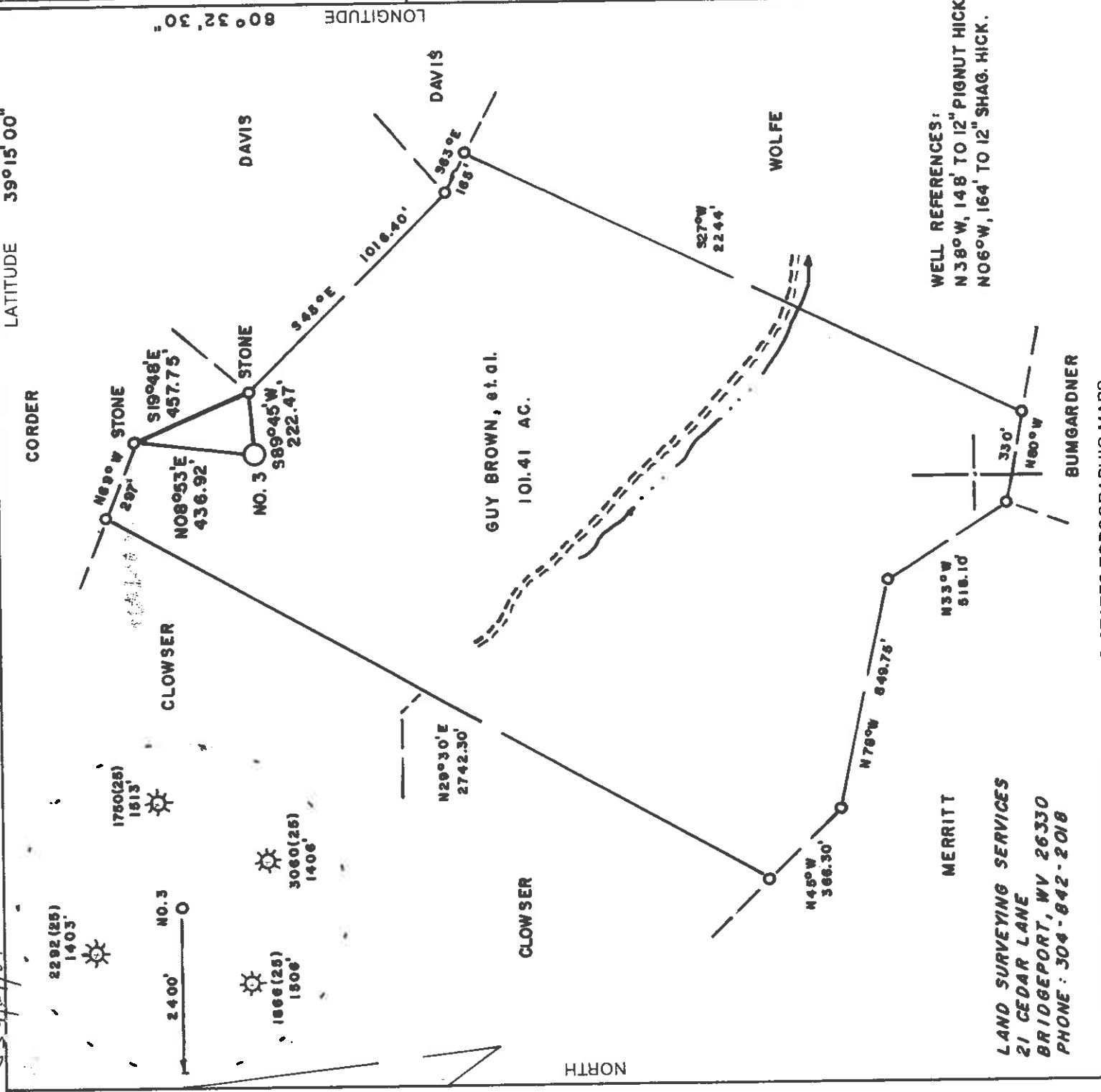


AS 4/24/87

LATITUDE 39°15'00"  
LONGITUDE 80°32'30"



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

WELL REFERENCES:  
 N38°W, 148' TO 12" PIGNUT HICK  
 N06°W, 164' TO 12" SHAG HICK.

(+) 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 TOP OF KNOB 1150' S.W. OF LOCATION ELEV. 1430'

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) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ L.L.S. STEPHEN D. LOSH 674

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE FEBRUARY 28, 19 87  
 OPERATOR'S WELL NO. BROWN NO. 3  
 API WELL NO. 47-017-3536

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1291' WATERSHED LITTLE ISAAC CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 min.  
 SURFACE OWNER JOHN S. CLOWSER ACREAGE 101.41  
 OIL & GAS ROYALTY OWNER MARY WILLIAMS LEASE ACREAGE 101.41

LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

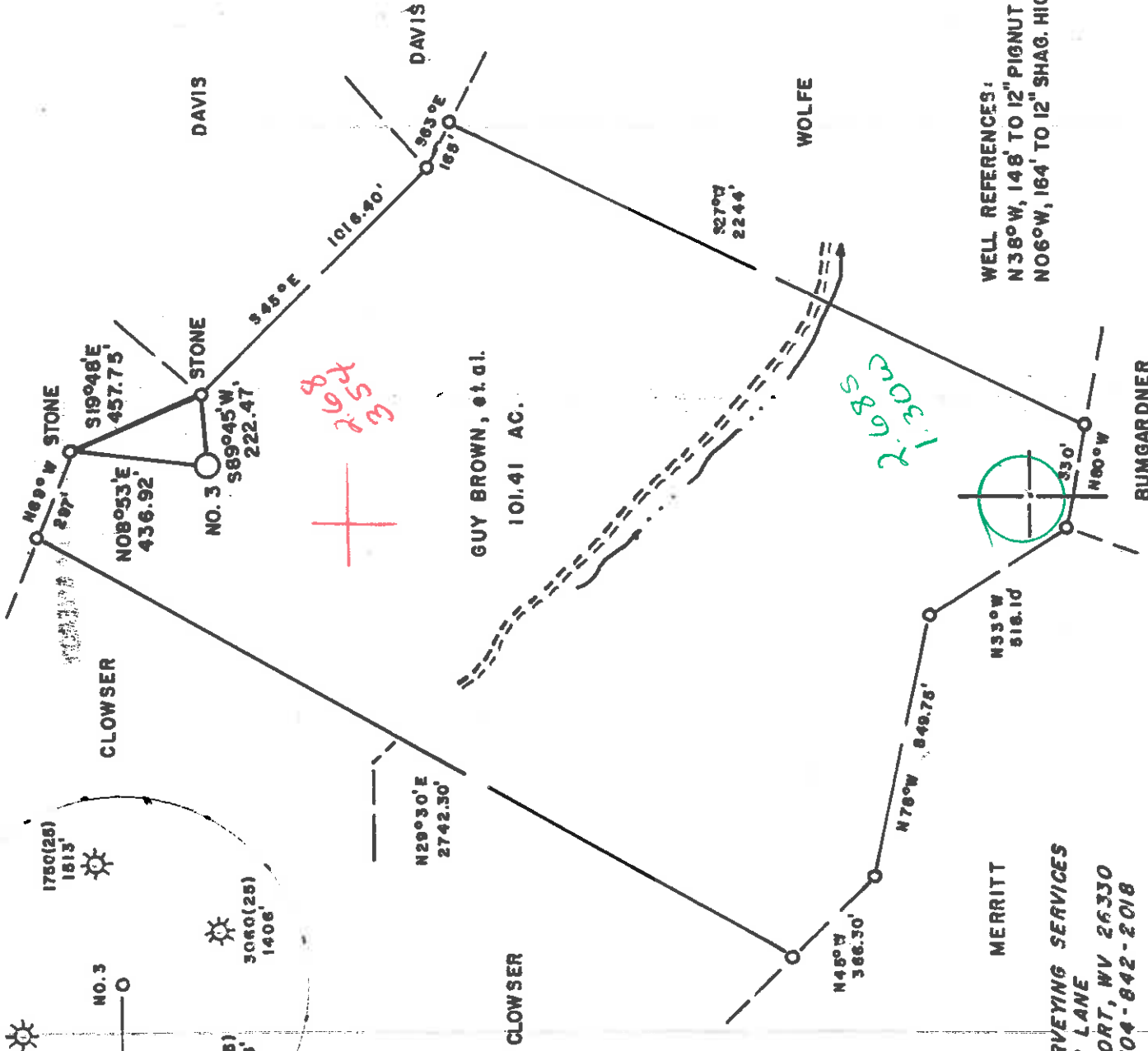
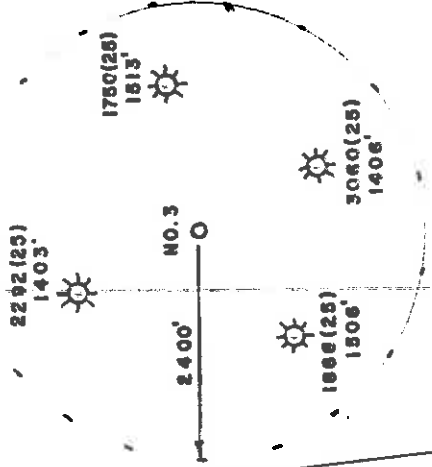
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ELK ESTIMATED DEPTH 5650'  
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD SEP 8 1989  
 ADDRESS P. O. DRAWER R ADDRESS JANE LEW, WV 26378  
 P. O. DRAWER R ADDRESS JANE LEW, WV 26378

AS 1/24/87

6950' LATITUDE 39°15'00"

80°32'30" LONGITUDE 14,270

CORDER



Handwritten red text: 3.268, 8.563

Handwritten green text: 1.305, 7.685

MERRITT

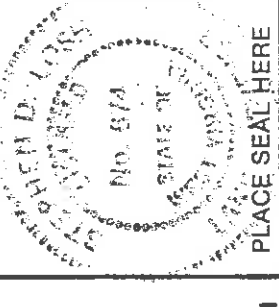
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BRIDGEPORT, WV 26330  
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(SIGNED) *Stephen D. Losh*  
R.P.E. \_\_\_\_\_ L.L.S. 674  
STEPHEN D. LOSH



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE FEBRUARY 28, 19 87  
OPERATOR'S WELL NO. BROWN NO. 3  
API WELL NO. 47-017-3536

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
LOCATION: ELEVATION 1291' WATERSHED LITTLE ISAAC CREEK  
DISTRICT GREENBRIER COUNTY DODDRIDGE  
QUADRANGLE BIG ISAAC 7.5 min. 252 123 063  
SURFACE OWNER JOHN S. CLOUSER ACREAGE 101.41  
OIL & GAS ROYALTY OWNER MARY WILLIAMS LEASE ACREAGE 101.41

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 ELK ESTIMATED DEPTH 5650'  
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
ADDRESS P. O. DRAWER R 847 ADDRESS JANE LEW, WV 26378

COUNTY NAME

PERMIT

FORM 7/85



1) Date: March 30, 19 87  
2) Operator's Well No. BROWN #3 (174-S)  
3) API Well No. 47 017 3536

RECEIVED  
APR 22 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
STATE OF WEST VIRGINIA  
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   
5) LOCATION: Elevation: 1291' Watershed: Little Isaac Creek  
District: Greenbrier #4 County: Doddridge 017 Quadrangle: Big Isaac 7'5 252  
6) WELL OPERATOR: StoneWall Gas CODE: 47850 7) DESIGNATED AGENT: Charles W. Canfield  
Address: P.O. Drawer R Jane Lew, WV 26378  
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: S.W. Jack Drilling  
Address: Route 2, Box 114 Salem, WV 26426  
Address: Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill  Plug off old formation  Perforate new formation   
11) GEOLOGICAL TARGET FORMATION: Elk  
12) Estimated depth of completed well, 5650 feet  
13) Approximate trata depths: Fresh, 110 feet; salt, N/A  
14) Approximate coal seam depths: 787 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			Left in well	To Surface
Conductor	11 3/4				X	250'	250'	TO Surface	
Fresh water									
Coal									
Intermediate	8 5/8			X		1401'	1401'	Rule 15.06	CTS
Production	4 1/2			X		5650'	5650'	Rule 15.01	Depths set
Tubing								OIL 560	SXS
Liners									

Permit number 47-017-3536  
OFFICE USE ONLY  
DRILLING PERMIT  
Date May 8 19 87

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 May 8, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WFOF	SPB	Other
				3729			
				196			

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.

9665