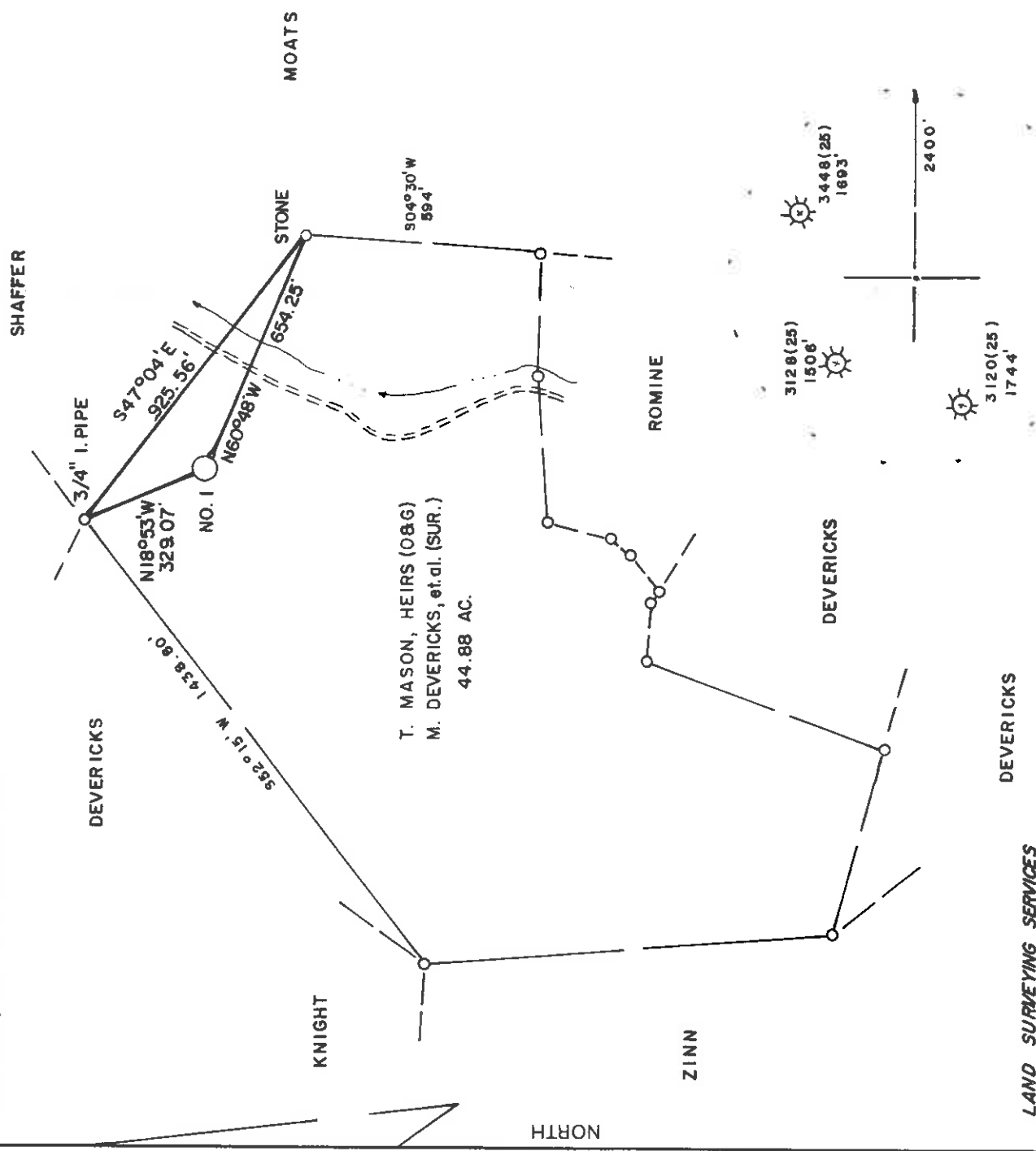


87B 6/26/87

WELL REFERENCES:  
N07°E, 181' TO 12" HICKORY  
N41°45'W, 160' TO 14" SASSAFRAS

LATITUDE 39° 15' 00"  
LONGITUDE 80° 35' 00"

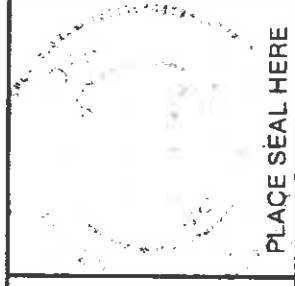


LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

(+) 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 RD. INTER. 1350' NE. OF \_\_\_\_\_  
LOCATION ELEV. 974'

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 MAY 29, 19 87  
OPERATOR'S WELL NO. HICKMAN NO. 1  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 1091' WATER SHED INDIAN FORK  
DISTRICT GREENBRIER COUNTY DODDRIDGE  
QUADRANGLE BIG ISAAC 7.5 min.  
SURFACE OWNER MARTHA DEVERICKS, et al.  
OIL & GAS ROYALTY OWNER T. MASON, HEIRS LEASE NO. \_\_\_\_\_  
ACREAGE 44.88

H.T. HALL 48673 FORM WW-6

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 550'  
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  
AUG 8 1989

DODD COUNTY NAME PERMIT 3564

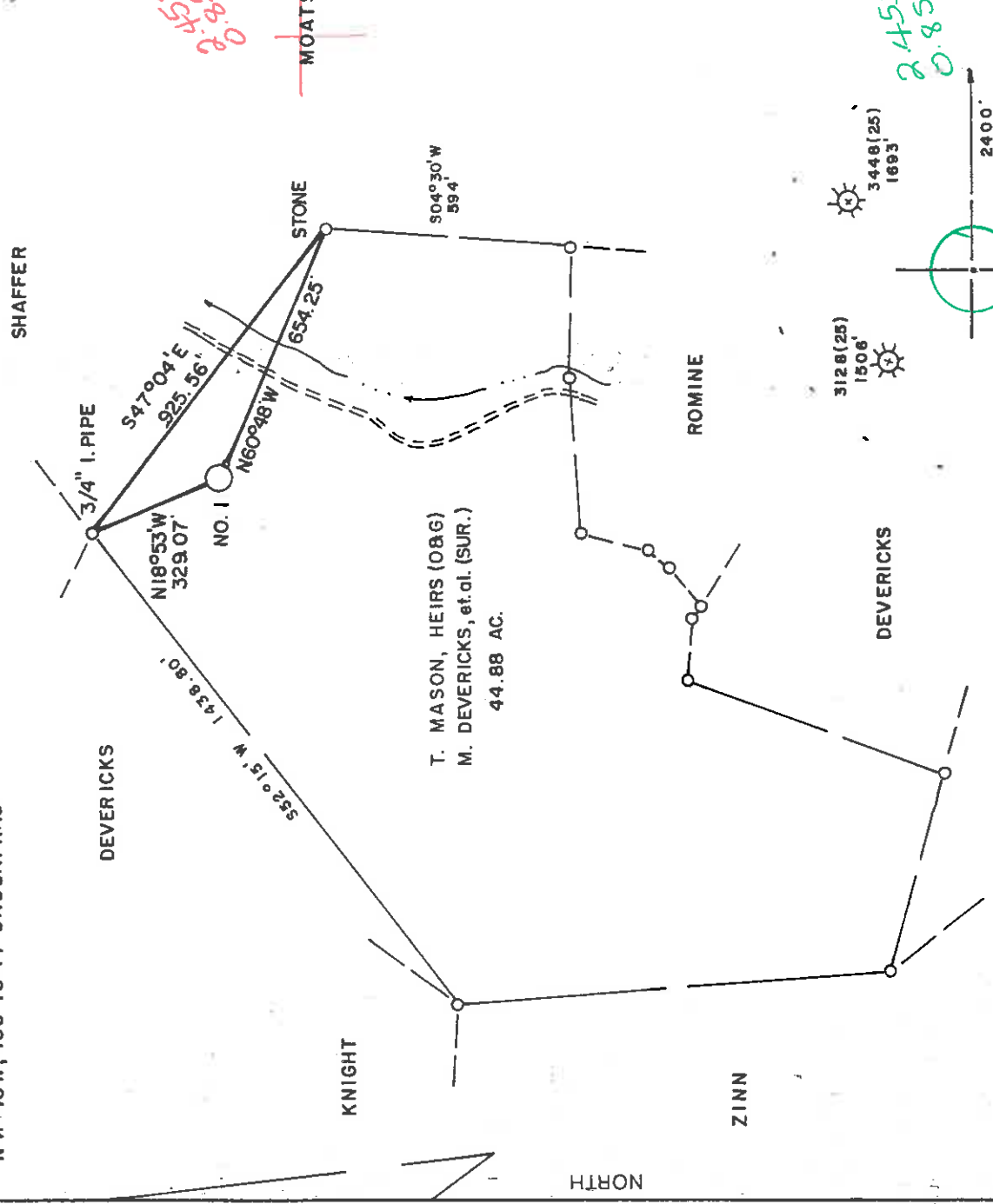
47-017-3564  
STATE COUNTY PERMIT  
CANCELED

8-7B 6/26/87

WELL REFERENCES:  
N07°E, 181' TO 12" HICKORY  
N41°45'W, 160' TO 14" SASSAFRAS

LATITUDE 39° 15' 00"

LONGITUDE 80° 35' 00"

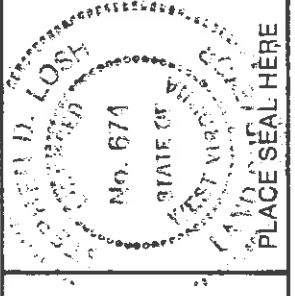


LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

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FILE NO. \_\_\_\_\_  
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SCALE 1" = 400'  
MINIMUM DEGREE OF  
ACCURACY 1 in 200  
PROVEN SOURCE OF  
ELEVATION RD. INTER. 1350' NE. OF  
LOCATION ELEV. 974'

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. STEPHEN D. LOSH 674



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE MAY 29 19 87  
OPERATOR'S WELL NO. HICKMAN NO. 1  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS,") PRODUCTION \_\_\_\_\_ X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 1091' WATERSHED INDIAN FORK  
DISTRICT GREENBRIER 4 COUNTY DODDRIDGE  
QUADRANGLE BIG ISAAC 7.5 min. 252 123 N62 ACREAGE 44.88  
SURFACE OWNER MARTHA DEVERICKS, et al.  
OIL & GAS ROYALTY OWNER T. MASON, HEIRS LEASE ACREAGE 58

PROPOSED WORK: DRILL \_\_\_\_\_ X 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 5500'  
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
ADDRESS P.O. DRAWER R 847 ADDRESS JANE LEW, WV 26378

COUNTY NAME

PERMIT

Jul 13 1987

FORM WW-2 (B) FILE COPY  
**RECEIVED**  
 JUN 22 1987



1) Date: June 1, 19 87  
 2) Operator's Well No. Hickman #1 204-S  
 3) API Well No. 47 017 3564  
 State County Permit

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  Undergrnd storage  Deep  Shallow  252  
 5) LOCATION: Elevation: 1091' Watershed: Indian Fork  
 District: Greenbrier  
 County: Doddridge 017 Quadrangle: Big Isaac 7.5min  
 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: Stephen L. Casey (745-4888)  
 Address: Rt 2, Box 232-D  
 Jane Lew, WV 26378  
 9) DRILLING CONTRACTOR:  
 Name: S.W. Jack  
 Address: Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
 Plug off old formation  Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION, Alexander  
 12) Estimated depth of completed well, 5500' feet  
 13) Approximate trata depths: Fresh, 140' feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes  No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		New		Used		FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	Per ft.	Per ft.	Per ft.			
Conductor	11 3/4			X			For drilling: 300 Left in well: 300	Rule 15.0'	Rule 15.0'
Fresh water									
Coal									
Intermediate	8 5/8			X			1390	Rule 15.0'	
Production	4 1/2			X			5500	Rule 15.0'	
Tubing									
Liners									

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3564 Date July 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 July 8, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

10350

Bond:	Agent:	Plat:	Fee	Other
			213	
			3000	

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