

10/11/84

LATITUDE 39° 17' 30"

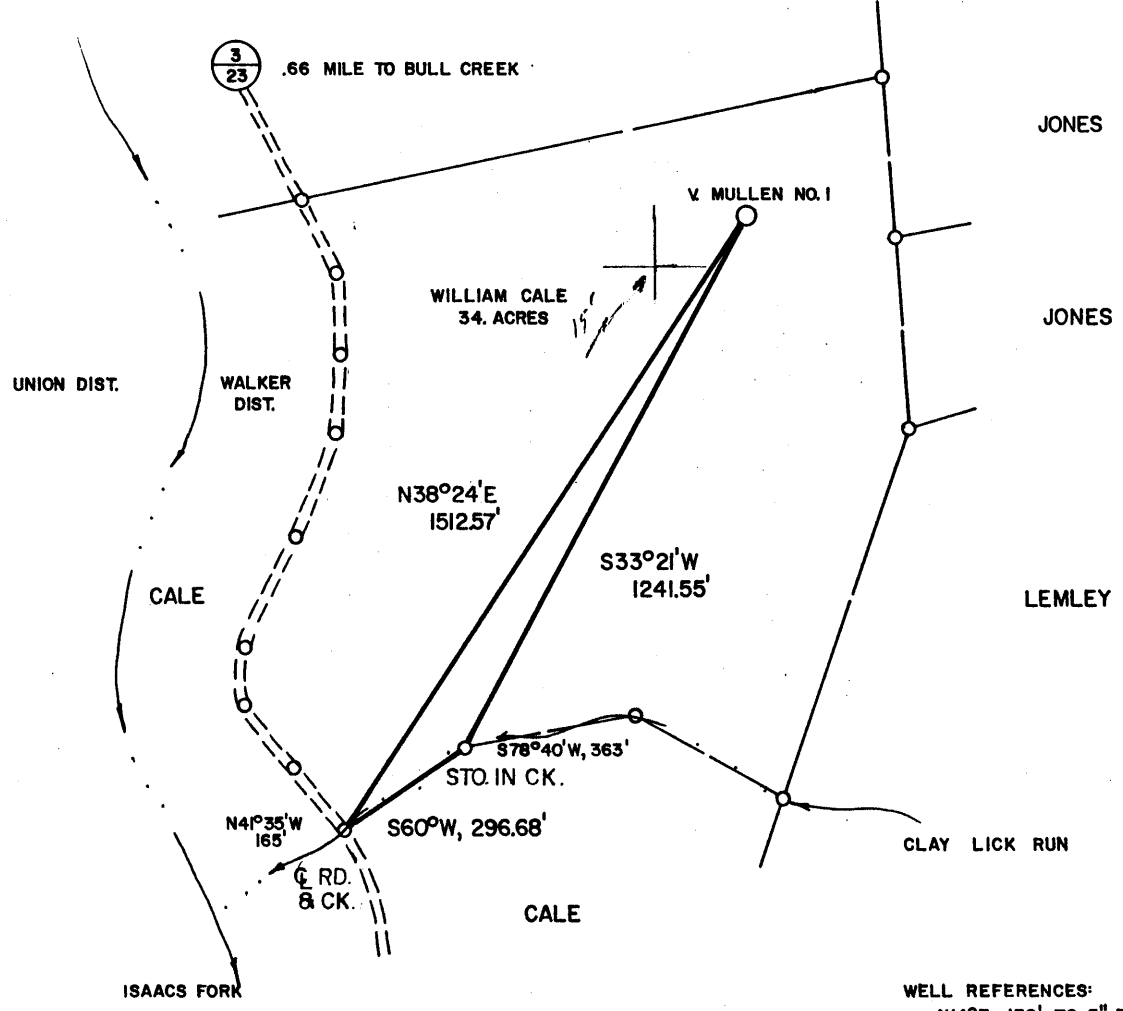
7.5 min.

NO WELLS WITHIN 2400 FEET

SIERS

LONGITUDE 81° 17' 30"

NORTH



WELL REFERENCES:
 N14°E, 130' TO 5" RED OAK
 N24°W, 171.3' TO 3" RED MAPLE

LAND SURVEYING SERVICES
 1412 NORTH 18TH ST.
 CLARKSBURG, WV 26301
 PHONE: 304-623-1214

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BENCH MARK 1375' SW OF LOCATION - ELEVATION 677'

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) Stephen D. Losh
 R.P.E. _____ L.L.S. NO. 674
 STEPHEN D. LOSH

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 No. 674
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

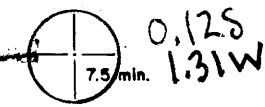
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



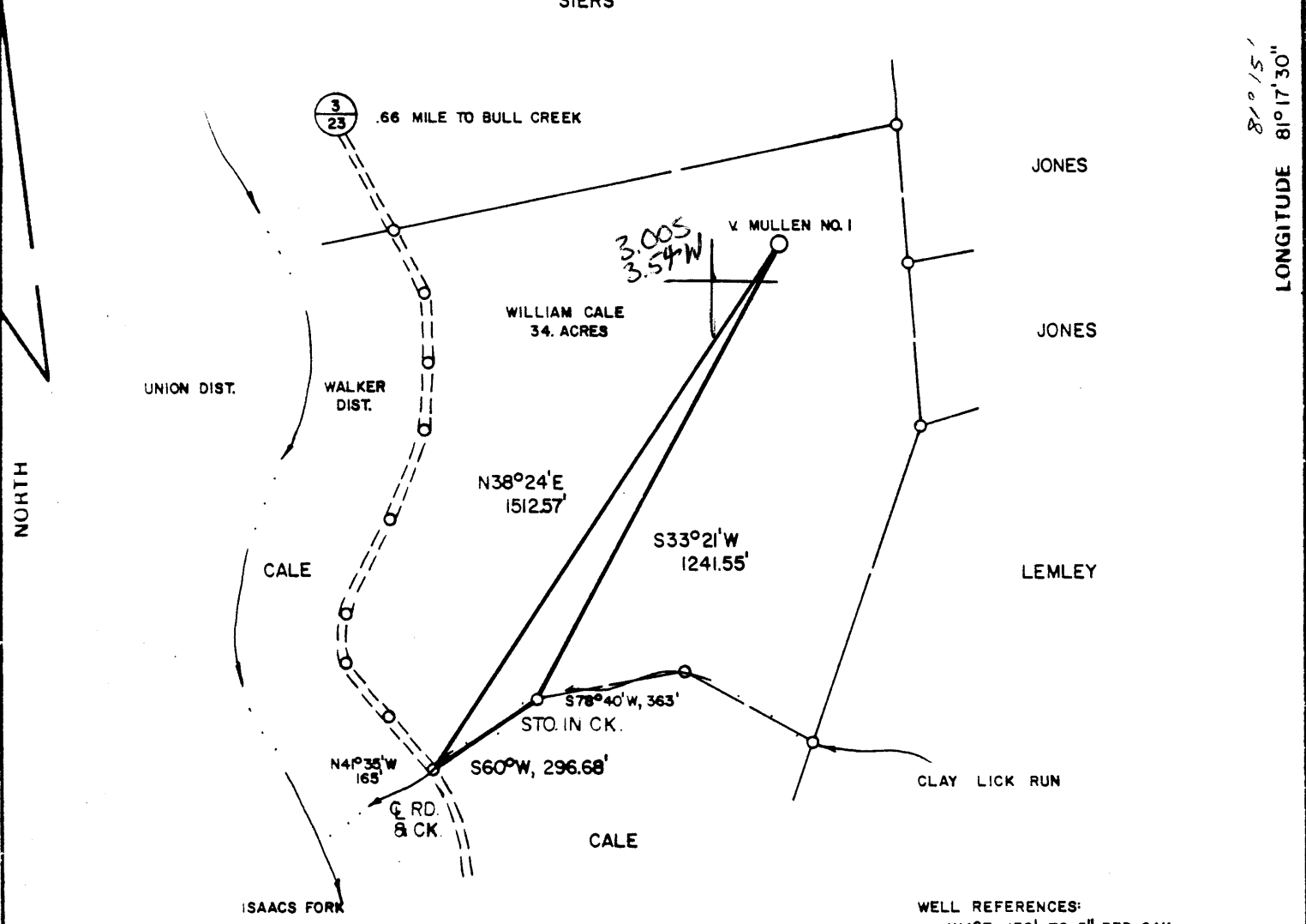
DATE SEPTEMBER 4, 19 84
 OPERATOR'S WELL NO. V. MULLEN NO. 1
 API WELL NO. 47-107-1323
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 680' WATER SHED ISAACS FORK
 DISTRICT WALKER COUNTY WOOD
 QUADRANGLE WILLOW ISLAND 7.5 min.
 SURFACE OWNER WILLIAM CALE ACREAGE 34.
 OIL & GAS ROYALTY OWNER J.V. MULLEN, HEIRS, et al. LEASE ACREAGE 34.
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 OCT 27 1986

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5,995'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F

CODE CARD PLOT  NO WELLS WITHIN 2400 FEET

LATITUDE 39° 17' 30"
39° 20'



LAND SURVEYING SERVICES
1412 NORTH 18TH ST.
CLARKSBURG, WV 26301
PHONE: 304-623-1214

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF
ACCURACY 1 in 200
PROVEN SOURCE OF
ELEVATION BENCH MARK 1375' SW
OF LOCATION - ELEVATION 677'

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(SIGNED) Stephen D. Losh
R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE SEPTEMBER 4, 19 84
OPERATOR'S WELL NO. V. MULLEN NO. 1
API WELL NO. _____
47 - 107 - 1323
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 680' WATER SHED ISAACS FORK
DISTRICT WALKER COUNTY WOOD
QUADRANGLE Marletta 075 SE9
SURFACE OWNER WILLIAM CALE ACREAGE 34
OIL & GAS ROYALTY OWNER J.V. MULLEN, HEIRS, et al. LEASE ACREAGE 34
LEASE NO. _____
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 DEVONIAN SHALE ESTIMATED DEPTH 5,995'
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

OCT 15 1984



1) Date: September 12, 19 84
 2) Operator's Well No. V. Mullen (254-S)
 3) API Well No. 47 - 107 - 1323
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 680 Watershed: Isaacs Fork 053E
 District: Walker County: Wood Quadrangle: Willow Island 7'5
- 6) WELL OPERATOR Stonewall Gas Company 7) DESIGNATED AGENT Charles W. Canfield
 Address PO Drawer F Address PO Drawer F
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Glen P. Robinson (489-9162) Name S. W. Jack
 Address Route 1, #6 Mt. Pleasants Est. Address _____
Mineral Wells, WV 26150 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stagnant _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 5995 feet
- 13) Approximate trata depths: Fresh, 90 feet; salt, 1665 feet.
- 14) Approximate coal seam depths: 92, 163, 237 Is coal being mined in the area? Yes _____

RECEIVED
 SEP 17 1984

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	For drilling		
Conductor	11 3/4				X	130	130	75 sks <u>Rule 15.05</u>
Fresh water								
Coal						<u>267'</u>	<u>267'</u>	<u>Rule 15.05</u>
Intermediate	8 5/8			X		2006	2006	300 sks <u>Rule 1505</u>
Production	4 1/2			X		5995	5995	565 sks <u>Rule 15.01</u>
Tubing								
Liners								Perforations: Top _____ Bottom _____

OIL & GAS DIVISION
 DEPT. OF MINES

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1323 Date October 9, 19 84

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 October 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>150</u>	<u>MW</u>	<u>MW</u>	<u>MW</u>	<u>1722</u>

Margaret J. Wasse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.