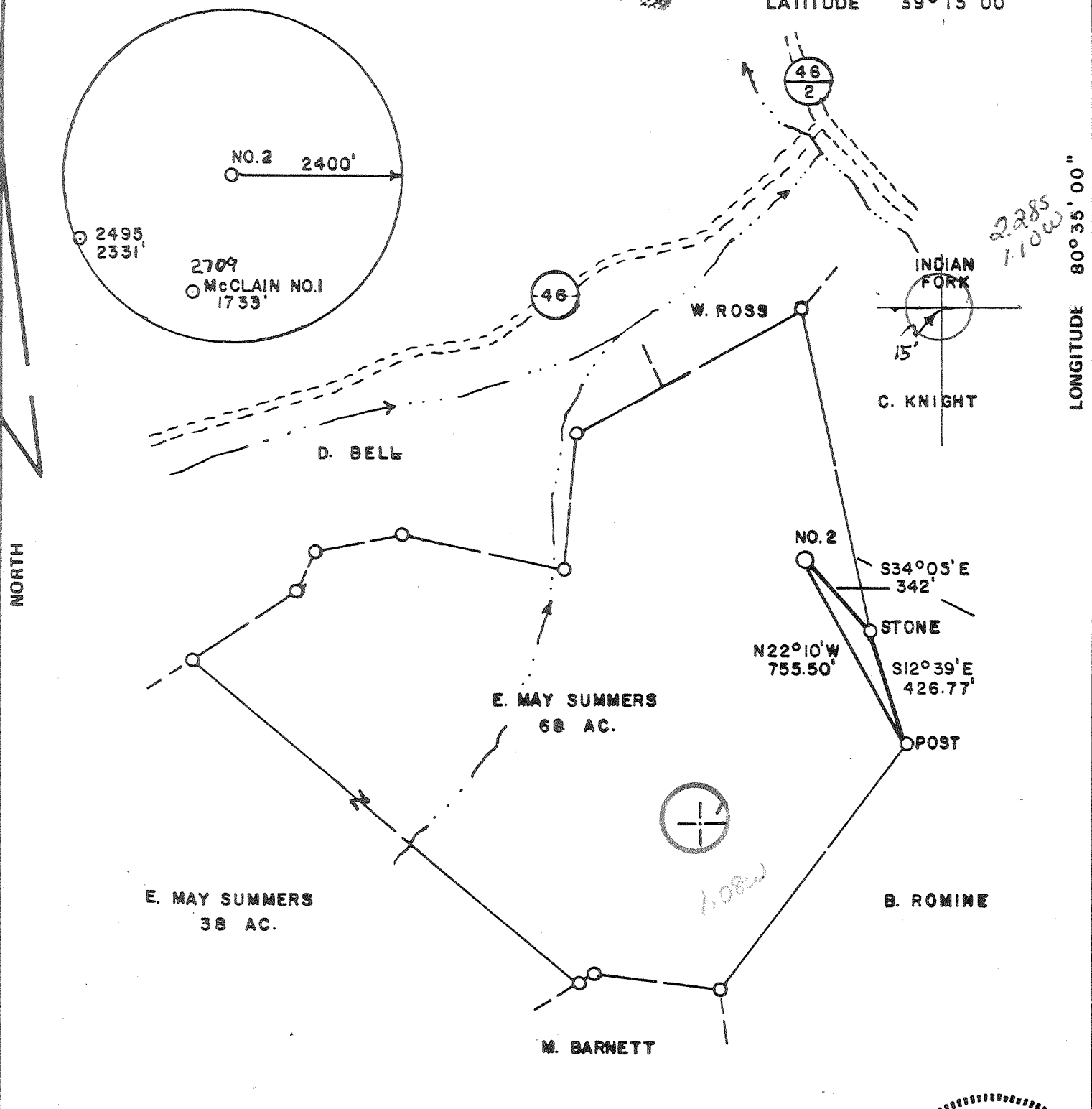


M.F. 7/20/82 Plot Card CSD/LM

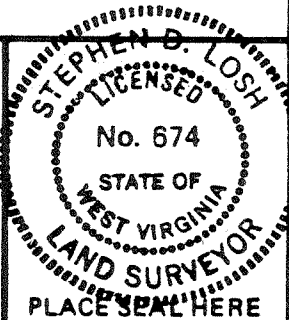
LATITUDE 39° 15' 00" 5600'

LONGITUDE 80° 35' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION
 ELEV. - 913'

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. 674



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 1, 19 82
 OPERATOR'S WELL NO. SUMMERS NO. 2
 API WELL NO. 47 - 017 - 3128
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1212' WATER SHED ___ SUGAR CAMP ___
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5 min. Vadus NC
 SURFACE OWNER HERBERT M. BEHNER ACREAGE 60
 OIL & GAS ROYALTY OWNER E. MAY SUMMERS LEASE ACREAGE 60
 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 ALEXANDER ESTIMATED DEPTH 5600'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F

RECEIVED
 JUL 16 1982
 OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES
 6-6-82 Zinnia AUG 9 1982
 G.C. ZINNIA
 195



IV-35
(Rev 8-81)

RECEIVED

SEP - 9 1982 State of West Virginia
OIL AND GAS DIVISION Department of Mines
WV DEPARTMENT OF MINES Oil and Gas Division

Date August 27, 1982
Operator's
Well No. 150-S
Farm Summers #2
API No. 47-017-3128

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1212 Watershed Sugar Camp Run
District: Greenbrier County Doddridge Quadrangle Big Issac 7 1/2

COMPANY Stonewall Gas Company
ADDRESS P.O. Drawer F, Buckhannon, WV
DESIGNATED AGENT Charles W. Canfield
ADDRESS P.O. Drawer F, Buckhannon, WV
SURFACE OWNER Herbert M. Behner
ADDRESS 6310 Knapp Rd, Ravenna, Oh 44266
MINERAL RIGHTS OWNER E. May Summers
ADDRESS 63 W. Va. Ave., Salem, WV 26426
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Casey ADDRESS Jane Lew, WV
PERMIT ISSUED July 16, 1982
DRILLING COMMENCED 8-8-82
DRILLING COMPLETED 8-14-82
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"			
9 5/8			
8 5/8	1765	1765	To Surface
7			
5 1/2			
4 1/2		5593.75	4200-5604
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5390 feet
Depth of completed well 5990 feet Rotary x / Cable Tools
Water strata depth: Fresh 180 feet; Salt 1635 feet
Coal seam depths: 270-274 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Elk ALEX Pay zone depth 5278-5481 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow 237 Mcf/d Oil: Final open flow -- Bbl/d
Time of open flow between initial and final tests 4 hours

Static rock pressure 1475 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Benson Pay zone depth 5121-27 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow 237 Mcf/d Oil: Final open flow -- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1475 psig (surface measurement) after 24 hours shut in

SEP 20 1982 (Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

FORMATION	PERFS	HOLES	SAND	FLUID	BRKD	ISIP
Elk ALEX	5278-5481	12	65,000	658	3100	1700
Benson	5121-5127	12	68,000	609	4200	2400

WELL LOG

FORMATION	COLOR	HARD OR SOFT		TOP FEET	BOTTOM FEET	REMARKS
						Including indication of all fresh and salt water, coal, oil and gas
Shale		g	s	0	33	Water at 180 and 1635
Sand		w	h	33	145	Coal at 270-274
Shale		g	s	145	270	
Coal		b	s	270	274	
Shale		g	s	274	330	
Sand		w	h	330	385	
Shale		r & g	s	385	1575	
Sand		w	h	1575	1645	
Shale		g	s	1645	2210	
Lime		g	h	2210	2255	Formation from 2210 down
Big Injun		g	s	2255	2335	are taken off Gamma Ray Log
Shale		g	s	2335	2820	
Sand		w	h	2820	2950	
Shales		g	s	2950	5115	Show gas at 4940 & 5020
Benson		br	m	5115	5150	Show gas at 5120
Shale		g	s	5150	5390	
Elk ALEX		br	m	5390	5495	Show gas at 5460
Shales		g	s	5495	5986	
Total Depth					5986	

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

By:

Date:

SEP 07 1982

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



Date: July 2, 1982

Operator's Well No. Summers #2 (150-S)

API Well No. 47 017 3128

State County Permit

RECEIVED

JUL 16 1982

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1212 Watershed: Sugar Camp Run
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7 1/2

WELL OPERATOR Stonewall Gas Company DESIGNATED AGENT Charles W. Canfield
Address P. O. Drawer F Address P. O. Drawer F
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER E. May Summers
Address 63 West Virginia Avenue
Salem, WV 26426

COAL OPERATOR
Address

ACREAGE 106
SURFACE OWNER Herbert M. Behner
Address 6310 Knapp Road
Ravenna, OHIO 44266
ACREAGE

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Willis Tetrick et al
Address Union Bank Center East
Clarksburg, WV 26301
Name
Address

FIELD SALE (IF MADE) TO:
Address Unknown

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen L. Casey
Address Jane Lew, WV
884-7470

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X other contract / dated January 30, 1979, to ~~the undersigned well operator~~ Clarence W. Mutschelknaus and subsequently assigned to the undersigned operator. (If said deed, lease, or other contract has been recorded:)

Recorded on Aug. 13, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Va., in Lease Book 110 at page 143. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

STONEWALL GAS COMPANY
Well Operator
By Charles W. Canfield
Its Production Superintendent

BLANKET BOND

PROPOSED WORK ORDER

(12-81)

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5600 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X /

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	Left in well			
Conductor									Kinds	
Fresh Water										
Coal									Sizes	
Intermediate	8 5/8	ERW	23	X		1350	1350	300 sks or to fill up		
Production	4 1/2	ERW	10.5	X		5600	5600	as required by rule 15.01	Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR _____ drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 3-31-83
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____