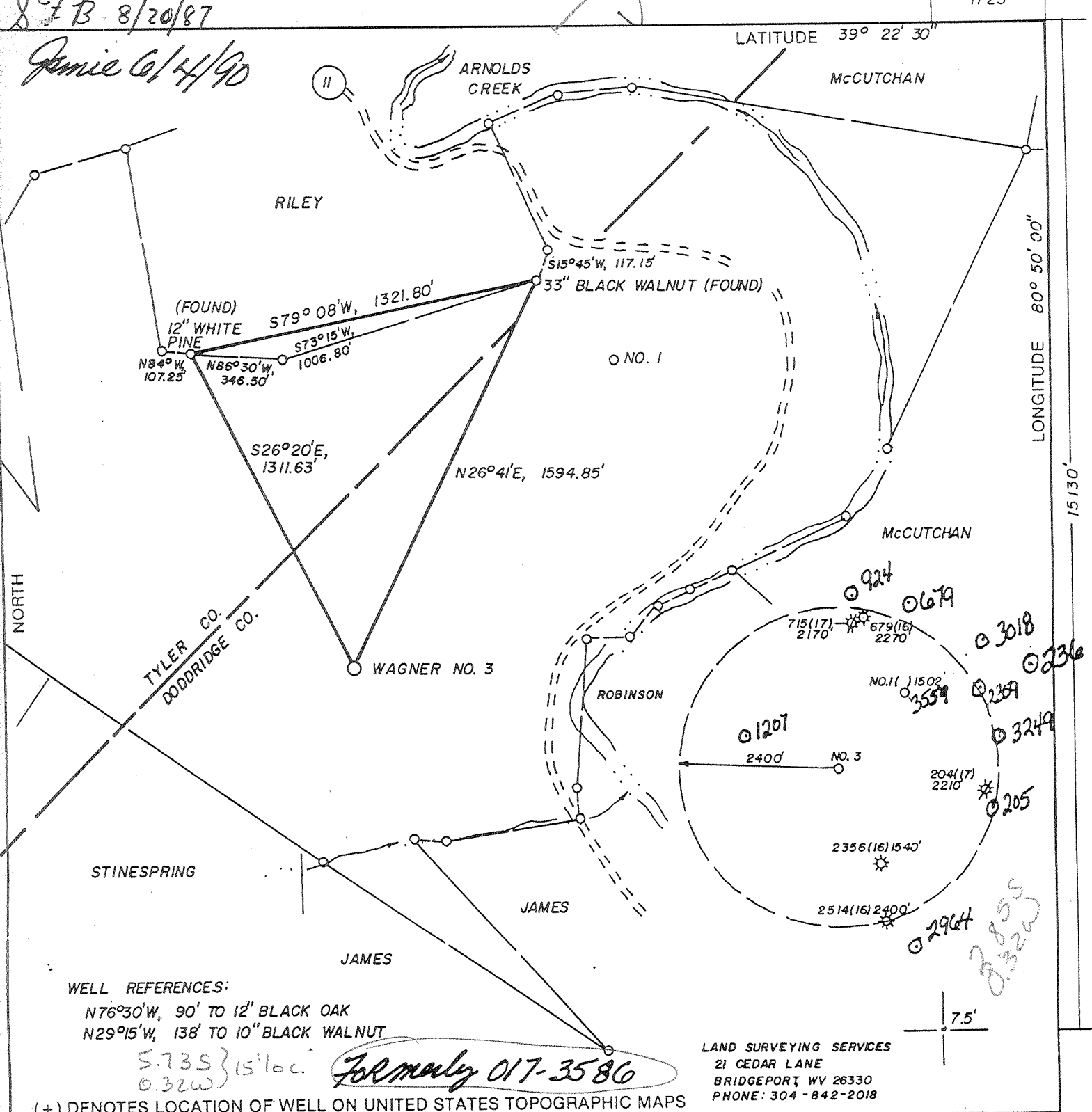


87B 8/20/87

Genie Co/4/90



WELL REFERENCES:

N76°30'W, 90' TO 12' BLACK OAK
 N29°15'W, 138' TO 10' BLACK WALNUT

*5.735 } 15' loc
 0.32w }
 Formerly 017-3586*

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INT. 1560' NE OF LOCATION AT ELEV. 750'

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. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 4, 19 87
 OPERATOR'S WELL NO. WAGNER 3
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1042 WATER SHED ARNOLDS CREEK
 DISTRICT CENTRAL COUNTY DODDRIDGE

QUADRANGLE WEST UNION 7.5' 15' C
 SURFACE OWNER CHARTER STINESPRING ACREAGE 166.
 OIL & GAS ROYALTY OWNER WAGNER LEASE ACREAGE 170.
 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 BENSON ESTIMATED DEPTH 5200
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT Jesse Allen Shell
 ADDRESS P.O. DRAWER R ADDRESS Lewis County Dist P.O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

COUNTY NAME DODDRIDGE
 PERMIT 017-3529

FORM WW-6
 H.T. HALL 48673

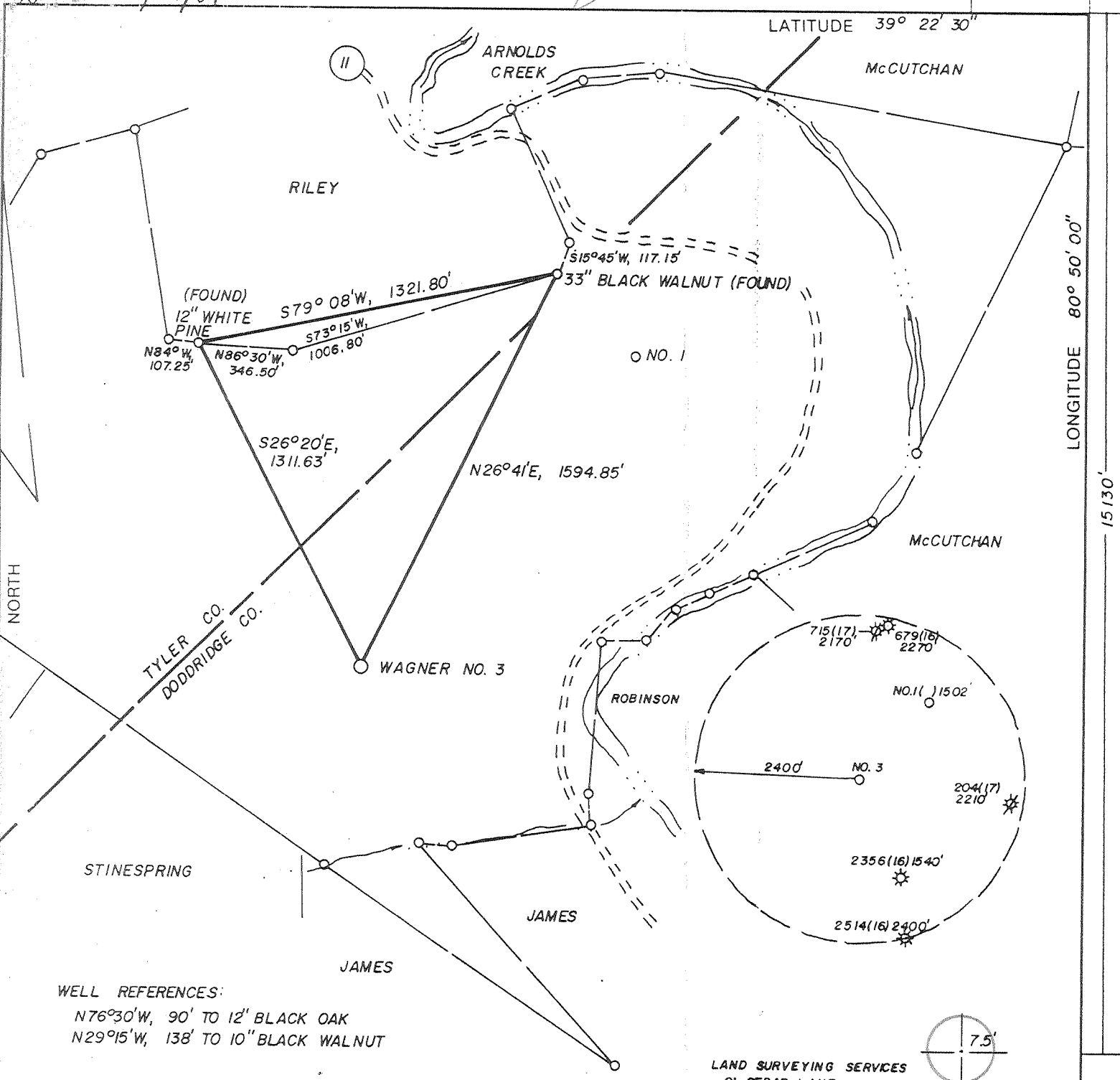
6-6 wilbur

(092)

JUN 25 1990

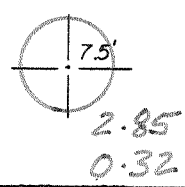
87B 8/20/87

1725'



WELL REFERENCES:
 N76°30'W, 90' TO 12" BLACK OAK
 N29°15'W, 138' TO 10" BLACK WALNUT

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

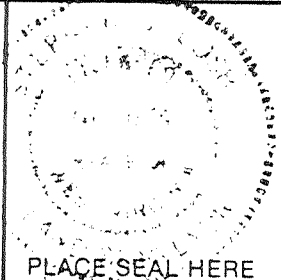


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INT. 1560' NE. OF LOCATION AT ELEV. 750'

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 4, 19 87
 OPERATOR'S WELL NO. WAGNER 3
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1042 WATERSHED ARNOLDS CREEK
 DISTRICT CENTRAL COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5'

47-017-3586
 STATE COUNTY PERMIT
 CANCELLED
 NOW: 017 3829

SURFACE OWNER CHARTER STINESPRING ACREAGE 166.
 OIL & GAS ROYALTY OWNER WAGNER LEASE ACREAGE 170.
 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 BENSON ESTIMATED DEPTH 5200
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R
JANE LEW, WV 26378-0080 0847 JANE LEW, WV 26378-0080

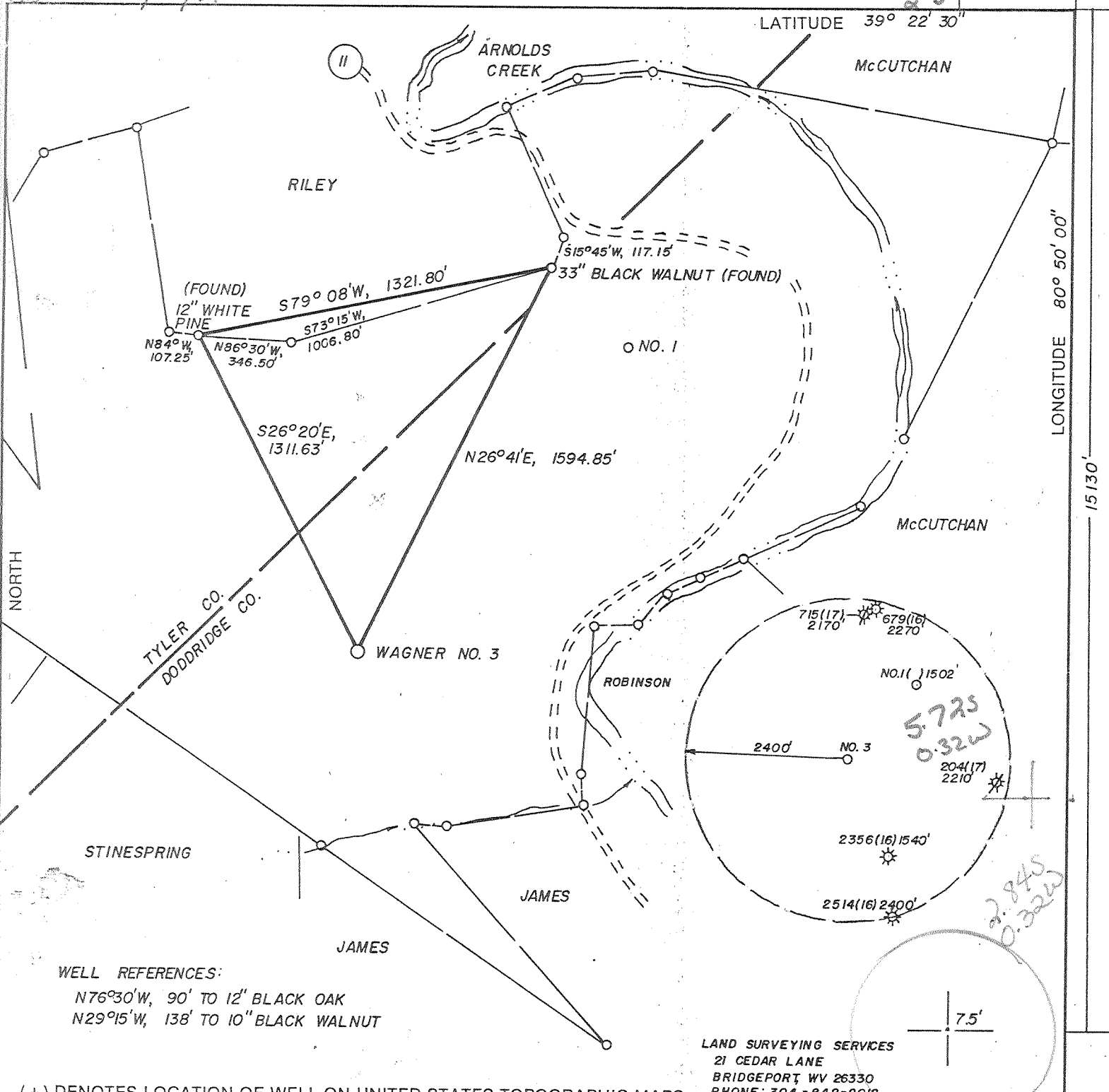
COUNTY NAME DODDRIDGE
 PERMIT 3586

NOV 20 1989

XJB 8/20/87

25

1725'



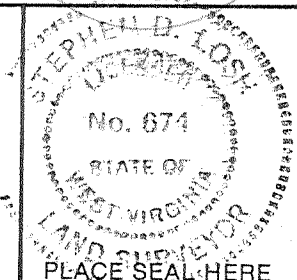
WELL REFERENCES:
 N76°30'W, 90' TO 12" BLACK OAK
 N29°15'W, 138' TO 10" BLACK WALNUT

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" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INT. 1560' NE. OF LOCATION AT ELEV. 750'

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) [Signature]
 R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 4, 19 87
 OPERATOR'S WELL NO. WAGNER 3
 API WELL NO. 47-017-3586

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1042 WATER SHED ARNOLDS CREEK
 DISTRICT CENTRAL COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5' 671 133 Cs
 SURFACE OWNER CHARTER STINESPRING ACREAGE 166.
 OIL & GAS ROYALTY OWNER WAGNER LEASE ACREAGE 170.
 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 BENSON ESTIMATED DEPTH 5200
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER R 847 ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

SEP 8 1987

COUNTY NAME
 PERMIT



1) Date: August 10, 19 87
 2) Operator's Well No. Wagner #3 184-S
 3) API Well No. 47 017 3586
 State County Permit

FORM WW-2(B) FILE COPY
 (Obtained 7/85)
RECEIVED
 AUG 17 1987

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 / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1042' Watershed: Arnolds Creek
 District: West Union 8 County: Doddridge 017 Quadrangle: CENTRAL 670
- 6) WELL OPERATOR Stonewall Gas CODE: 47050 7) DESIGNATED AGENT Charles W. Canfield
 Address P.O. Drawer R Address P.O. Drawer R
 Jane Lew, WV 26378 Jane Lew, WV 26378
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Mike Underwood (782-1043) Name S.W. Jack Drilling Co.
 Address Rt 2, Box 114 Address Buckhannon, WV 26201
 Salem, WV 26426
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5200 feet
 13) Approximate trata depths: Fresh, 390 feet; salt, 0 feet.
 14) Approximate coal seam depths: None 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	For drilling	Left in well		
Conductor	11 3/4			X		250	250	Rule 15.0 38 CSR 18-11.3	
Fresh water						250	250		
Coal									Sizes
Intermediate	8 5/8			X		1342	1342	Rule 15.0 38 CSR 18-11.3	
Production	4 1/2			X		5200	5200	Rule 15.0 38 CSR 18-11.1	Deph
Tubing									
Liners									Perforations:
									Top Bottom

**OFFICE USE ONLY
 DRILLING PERMIT**

Permit number 47-017-3586 Date September 3 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 September 3 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	<i>[Signature]</i>	Fee	<i>[Signature]</i>	Other
			226 3951		

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

RECEIVED
Division

AUG 27 90

Permitting
Oil and Gas Section

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: STINESPRING, CHARTER Operator Well No.: WAGNER #3-184-S

LOCATION: Elevation: 1042.00 Quadrangle: WEST UNION

District: WESTUNION County: DODDRIDGE
Latitude: 15130 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 1725 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: STONEWALL GAS COMPANY
909 E. MAIN ST. P.O. BOX 1575
RICHMOND, VA 23219-1575

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD
Permit Issued: 06/18/90
Well work Commenced: 07-16-90
Well work Completed: 07-21-90
Verbal Plugging
Permission granted on:
Rotary Cable _____ Rig _____
Total Depth (feet) 5150
Fresh water depths (ft) 82
Salt water depths (ft) 525
Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	225	225	125 sks
8 5/8	1317	1317	365 sks
4 1/2	5109	5109	315 sks

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4917
Gas: Initial open flow 81 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1905+ MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1475 psig (surface pressure) after 168 Hours

Second producing formation RILEY Pay zone depth (ft) 4500
Gas: Initial open flow 81 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1905+ MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1475 psig (surface pressure) after 168 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: STONEWALL GAS COMPANY

By: [Signature], PETROLEUM ENGINEER
Date: AUGUST 21, 1990

SEP 6 1990

STAGE	2	FRAC WATER	DATE	08-01-90		
ZONES	PERFS	HOLE	BBL	BP	ISIP	
BENSON	4917-4921	16	600	1740	1300	
RILEY	4500-4529	20	800	1680	1520	

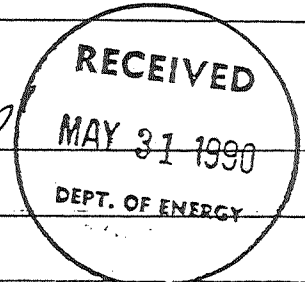
FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
SOIL	BROWN	SOFT	0	10	
SAND & SHALE	GRAY	SOFT	10	25	
SHALE	GRAY	HARD	25	30	
SAND & SHALE	GRAY	SOFT	30	60	
SHALE & RR	GRAY	HARD	60	158	
SAND & SHALE	BROWN	SOFT	138	206	
RR & SHALE	BROWN	HARD	206	257	
SAND	BROWN	HARD	257	270	
SHALE & RR	GRAY	HARD	270	360	
SAND	GRAY	SOFT	360	398	
SAND & SHALE	GRAY	SOFT	398	440	
COAL	BLACK	SOFT	440	448	
SAND & SHALE	BROWN	SOFT	448	673	
WHITE SAND	WHITE	HARD	673	688	
SAND & SHALE	BROWN	HARD	688	1140	
SAND	BROWN	HARD	1140	1165	
SAND, SHALE, RR	GRAY	HARD	1165	1872	
L-LIME	GRAY	SOFT	1872	1883	
SAND & SHALE	GRAY	SOFT	1883	1906	
B-LIME	BROWN	HARD	1906	2004	
BIG INJUN	BROWN	HARD	2004	2097	
SAND & SHALE	GRAY	SOFT	2097	2700	
GORDON	GRAY	SOFT	2700	2750	
SAND & SHALE	GRAY	SOFT	2750	4480	
RILEY	BROWN	HARD	4480	4520	
SAND & SHALE	BROWN	HARD	4520	4925	
BENSON	BROWN	SOFT	4925	4935	
SAND & SHALE	GRAY	SOFT	4935	4995	
SHALE	GRAY	HARD	4995	5150	
TD			5150		

107 34

017-3829
Issued 6/18/90

STATE OF WEST VIRGINIA *Expires 6/18/92*
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: STONEWALL GAS COMPANY 47850 (81 670)
- 2) Operator's Well Number: WAGNER #3 (184-S) 3) Elevation: 1042'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): BENSON 185
- 6) Proposed Total Depth: 5100 feet
- 7) Approximate fresh water strata depths: 130', 172'
- 8) Approximate salt water depths: 1120'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: *Drill & Stimulate New Well*
- 12)



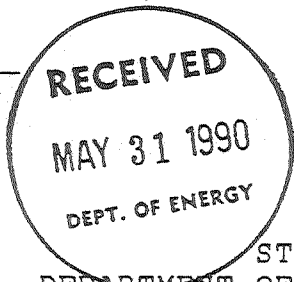
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
<i>OK RAL</i> Conductor	11 3/4	ERW	42#	170'	170'	38CSR18-11.3
Fresh Water						
Coal						
Intermediate	8 5/8	ERW	23#	1200	1200	38CSR18-11.3
Production	4 1/2	ERW	10.5#	5050	5050	38CSR18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond *Blanket One* Agent
 (Type)



1) Date: MAY 30, 1990
2) Operator's well number
WAGNER #3 (184-S)
3) API Well No: 47 - 017 - 3829
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 (a) Name CHARTER STINESPRING
 Address BOX 264
WEST UNION, WV 26456
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____
- 5) (a) Coal Operator:
 Name NONE
 Address _____
 (b) Coal Owner(s) with Declaration
 Name SHIRL N. MONTGOMERY HEIRS
 Address UNKNOWN
NO DECLARATION AT COURTHOUSE
 Name _____
 Address _____
 (c) Coal Lessee with Declaration
 Name N/A
 Address _____
- 6) Inspector MIKE UNDERWOOD
 Address RT 2, BOX 135
SALEM, WV 26426
 Telephone (304)-782-1043

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
 _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator STONEWALL GAS COMPANY
By: [Signature]
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378-0080

Telephone 304-884-7881

Subscribed and sworn before me this 30TH day of MAY, 19 90

[Signature]
My commission expires _____



STATE OF WEST VIRGINIA
DOROTHY QUEEN
POST OFFICE DRAWER R
JANE LEW, WV 26378

Notary Public

My Commission Expires Mar. 14, 2000