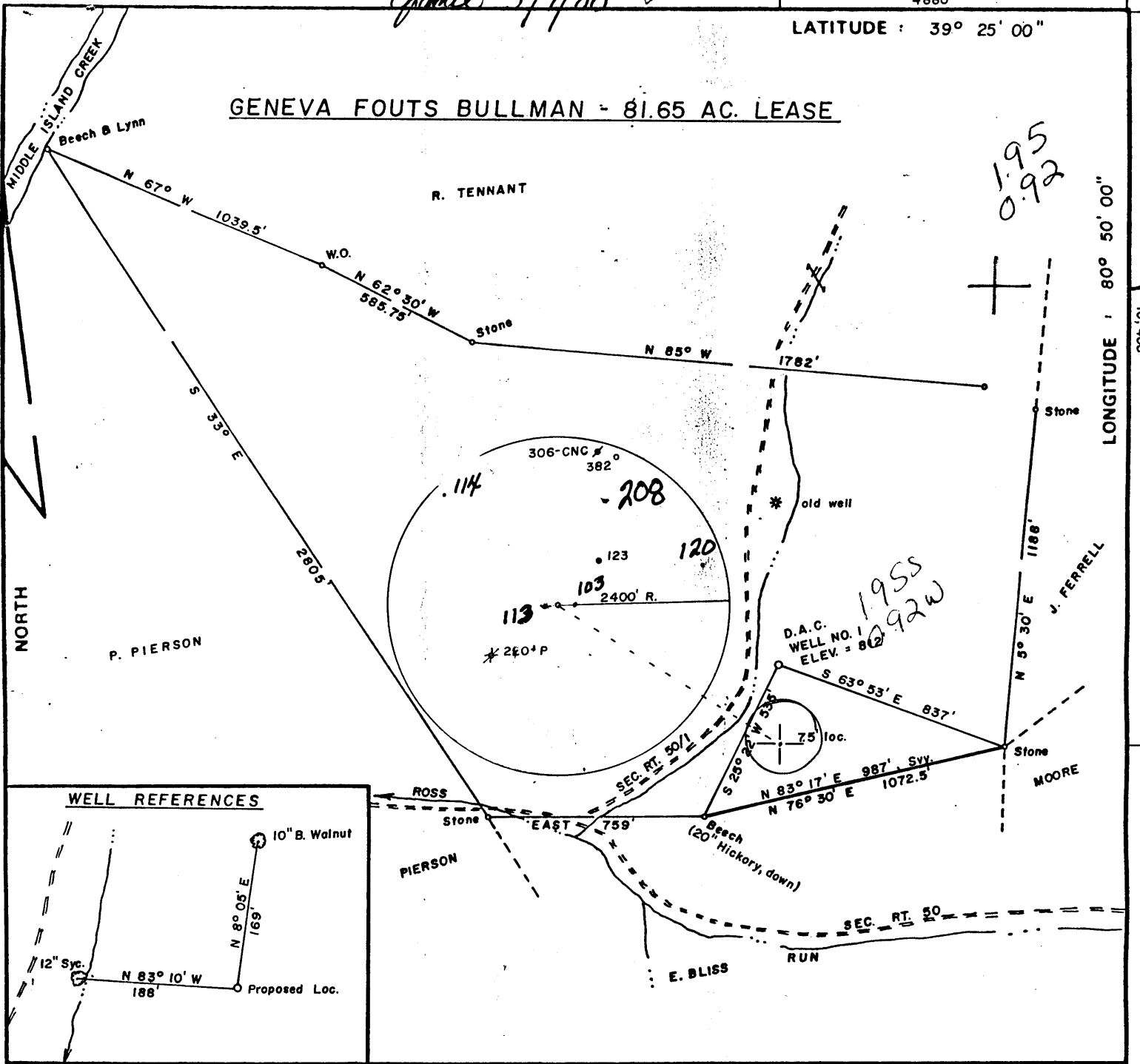


Plat 5/9/88

4880'

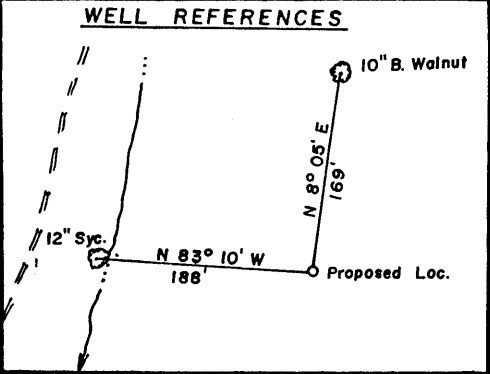
LATITUDE : 39° 25' 00"

GENEVA FOUTS BULLMAN - 81.65 AC. LEASE



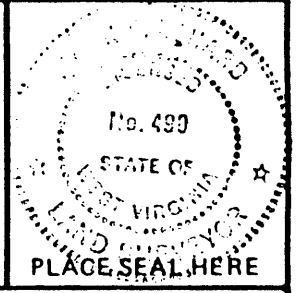
1.95
0.92

LONGITUDE : 80° 50' 00"



FILE NO. 15-7
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top of Knob NE of Lease, ELEV. = 1122'

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE APRIL 18, 1988
 OPERATOR'S WELL NO. ONE
 API WELL NO. 47-095-1235
 STATE WEST VIRGINIA COUNTY TYLER PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 812' WATER SHED ROSS RUN
 DISTRICT CENTERVILLE COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5 607 133 CS west union
 SURFACE OWNER GENEVA FOUTS BULLMAN, et vir ACREAGE 81.65
 OIL & GAS ROYALTY OWNER GENEVA FOUTS BULLMAN, et al LEASE ACREAGE 81.65
 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 BENSON-RILEY ESTIMATED DEPTH 5300'±
 WELL OPERATOR D. A. C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV. 26320 ALMA, WV. 26320

6-6 Wilbur

(092)

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APR 27 1989

11-May-88
API # 47- 95-01235

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas
Well Operator's Report of Well Work

Farm name: BULLMAN, GENEVA FOUTS Operator Well No.: FOUTS 1
LOCATION: Elevation: 812.00 Quadrangle: SHIRLEY
District: CENTERVILLE County: TYLER
Latitude: 10400 Feet South of 39 Des. 25Min. 0 Sec.
Longitude 4880 Feet West of 80 Des. 50 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV

Agent: KENNETH R. MASON

Inspector: ROBERT LOWTHER
Permit Issued: 05/11/88
Well work Commenced: 12-15-88
Well work Completed: 12-21-88

Verbal Plugging
Permission granted on:
Rotary Cable Ris
Total Depth (feet) 4890
Fresh water depths (ft) 45
Salt water depths (ft)
Is coal being mined in area (Y/N)?
Coal Depths (ft):

Casings & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4		119	60 sks
8 5/8		1731	380 sks
4 1/2		4820	225 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4776
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 100 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ 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: DRILLING APPALACHIAN CORP.

By: Kenneth R. Mason
Date: 4/26/89

APR 28 1989

Perforated the Benson from 4775 to 4779 with 14 holes and fracked with
4000 sacks sand 48,000 scf N2 and 588 bbls treated fluid.

Avg rate = 20 Avg psi = 3171#

Drillers Log

Fill	0	5
shale	5	45
coal	45	47
sand	47	150
RR	150	188
sd sh	188	471
coal	471	473
sh	473	1587
lime	1587	1605
sh	1605	1688
B lime	1688	1780
sd	1780	1920
sh	1920	2080
sd	2080	2175
sh	2175	4890

1/4" stream 45!

hole damp 1169

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

E Log Tops

Big Lime	1680
Weir	2080
Berea	2270
Benson	4775

6997

APR 28 1989

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Drilling Appalachian Corporation ⁰³¹¹ 14425, 1, 6006
- 2) Operator's Well Number: Fouts #1 3) Elevation: 812'
- 4) Well type: (a) Oil X/ or Gas X/
- (b) If Gas: Production X/ Underground Storage /
Deep / Shallow X/
- 5) Proposed Target Formation(s): Benson-Riley 435
- 6) Proposed Total Depth: 5100' feet
- 7) Approximate fresh water strata depths: 150', 200'
- 8) Approximate salt water depths: From Tyler 103, 113, 114, 120, 123, 220 1200' - 1400'
- 9) Approximate coal seam depths: none @ 486', 177'
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Drill, Stimulate, Perforate new formation
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4	H-40	42#	30'	0	
Fresh Water						
Coal						38 CSR18-11.3 38 CSR18-11.2
Intermediate	8-5/8	J-55	20#	1200'	1200'	CTS Neat
Production	4-1/2	J-55	10 1/2 #	4900'	4900'	38 CSR18-11.1 CTS Neat
Tubing						
Liners						

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MAY 06 1988

PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

3147
14
135

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond 50 Blanket Agent

(Type)

6997

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- 1) Date: April 21, 1988
- 2) Operator's well number
Fouts #1
- 3) API Well No: 47 - 095 - 1235
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 Geneva Fouts Bullman
Address HCR 74, Box 67
Alma, WV 26320
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name n/a
Address _____
 - (b) Coal Owner(s) with Declaration
Name n/a
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Robert Lowther
Address Middlebourne, WV 26149
Telephone (304)- 758-4764

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 5 on the above named parties, by:

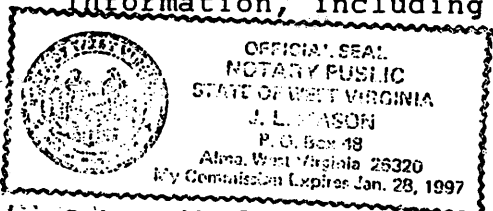
- ____ Personal Service (Affidavit attached)
- ____ Certified Mail (Postmarked postal receipt attached)
- ____ Publication (Notice of Publication attached)

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 Drilling Appalachian Corporation
By: Kenneth R. Mease
Its: President
Address PO Box 99
Alma, WV 26320-0099
Telephone (304) 758-4638



Subscribed and sworn before me this 21st day of April, 19 88

My commission expires Jan. 28, 1997 J.L. Mason Notary Public