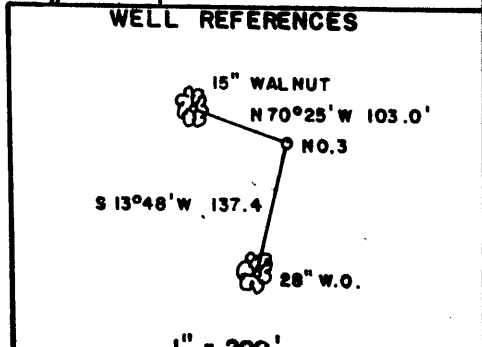
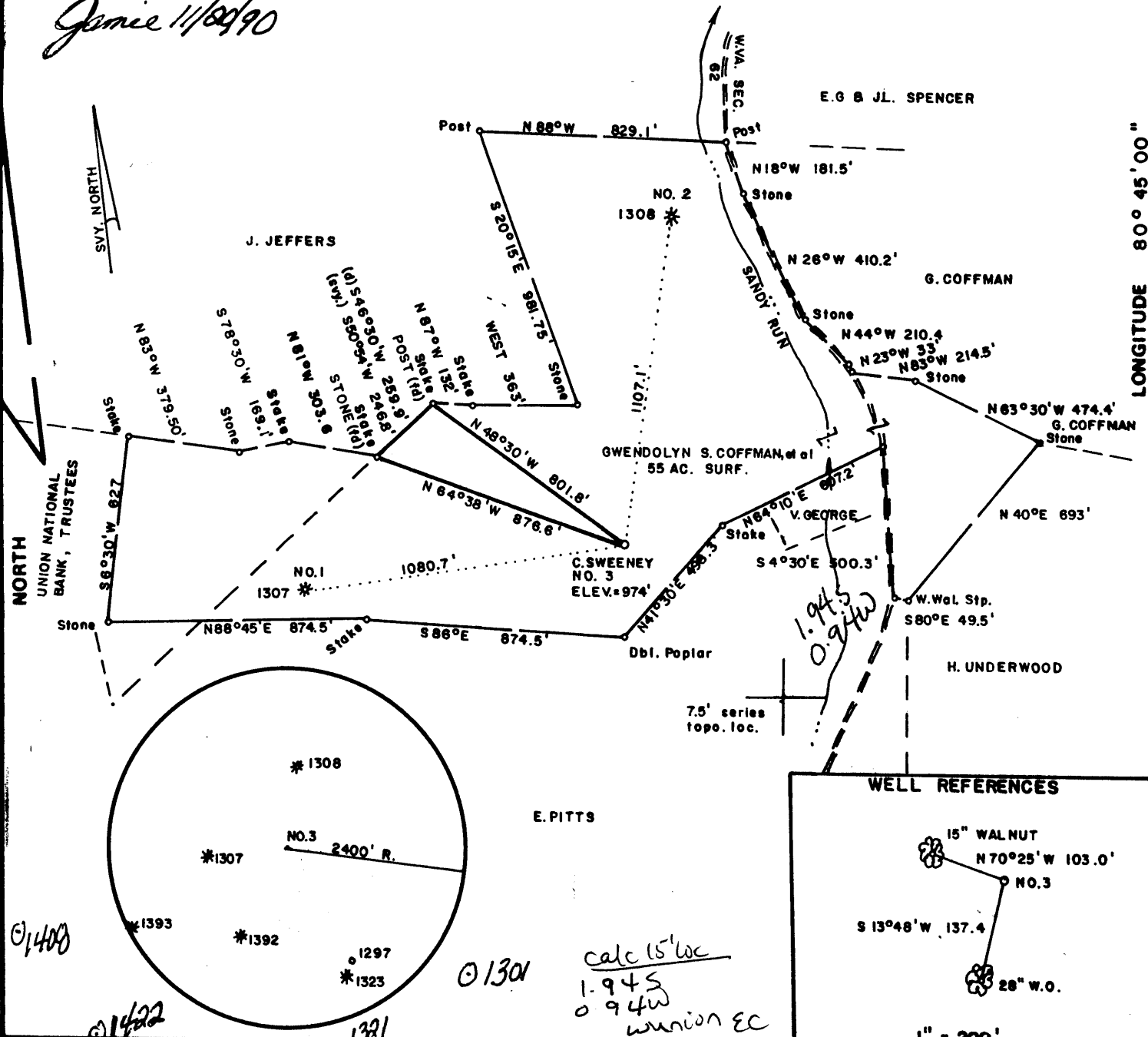


CLARA SWEENEY HRS. 55 AC. ±

LATITUDE 39°25'00"

Janice 11/02/90



FILE NO. _____
 DRAWING NO. 1320
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. NORTH OF LEASE ELEV. = 733'

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
 R.P.E. _____ L.L.S. 490



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



DATE NOVEMBER 6, 19 90
 OPERATOR'S WELL NO. THREE
 API WELL NO. _____
47 - 095 - 1445
 STATE COUNTY 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 974' WATER SHED SANDY RUN
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5'
 SURFACE OWNER GWENDOLYN SWEENEY COFFMAN, et al ACREAGE 55
 OIL & GAS ROYALTY OWNER GWENDOLYN SWEENEY COFFMAN, et al LEASE ACREAGE 55
 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 BIG INJUN ESTIMATED DEPTH 2200' ±
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, W.V. 26302 ALMA, W.V. 26302

NOV 21 1990

APR 29 91

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

Oil and Gas

Well Operator's Report of Well Work

Farm name: COFFMAN, GWENDOLYN S. Operator Well No.: C. SWEENEY #3A

LOCATION: Elevation: 974.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 10090 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 4980 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD
Permit Issued: 11/21/90
Well work Commenced: 12/7/90
Well work Completed: 12/11/90

Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 2163'
Fresh water depths (ft) 180

Salt water depths (ft) 1400'

Is coal being mined in area (Y/N)?
Coal Depths (ft): N

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9-5/8"	132'	132'	CTS
7"	1900'	1900'	CTS

OPEN FLOW DATA

Producing formation Big Injun Sand Pay zone depth (ft) 2048'
Gas: Initial open flow 900 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 60 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 150 psig (surface pressure) after 24 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: 4/22/91 MAY 6 1991

This well was completed natural in the Big Injun Sand.

Permian Sands/Shales	0	500
Pennsylvanian Snads/Shales	500	1886
Big Lime	1887	1960
Big Injun Sand	1961	2112
Shale	2113	2163

RECEIVED
Division of Energy

APR 29 91

Permitting
Oil and Gas Section

11586

095-1445
Issued 11/21/90

FORM WW-2B

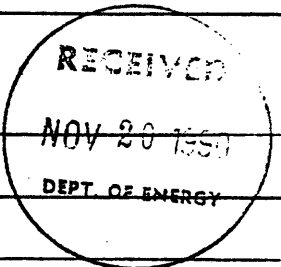
Page 2 of 4

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

Expires 11/21/92

311

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION 74425 (5) 606
- 2) Operator's Well Number: C. SWEENEY #3A 3) Elevation: 974
- 4) Well type: (a) Oil X / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Big Injun 371
- 6) Proposed Total Depth: 2200± feet
- 7) Approximate fresh water strata depths: 100
- 8) Approximate salt water depths: 1200
- 9) Approximate coal seam depths: --
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill, perforate, stimulate new formation
- 12) New Well.



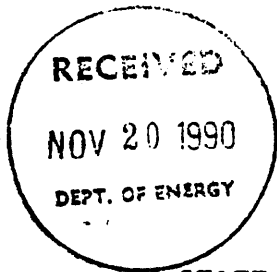
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						38CSR 18-11.3
Fresh Water	9-5/8	H-40	29#	100'	100'	CTS 38CSR
Coal						O.K. MU
Intermediate	7"	50,000 min. yield	17#	1875'	1875'	38CSR 18-11.2
Production	4 1/2"		10.5#	2200'	2200'	38CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

6174
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent
 (Type)



1) Date: November 8, 1990
2) Operator's well number
C. SWEENEY #3A
3) API Well No: 47 - 095 - 1445
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Gwendolyn S. Coffman</u>
Address <u>C. P. Star Route 166</u>
<u>West Union, WV 26456</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:
Name <u>---</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Rte 2, Box 135</u>
<u>Salem, WV 26426</u>
Telephone (304)- <u>782-1043</u></p> | |

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)

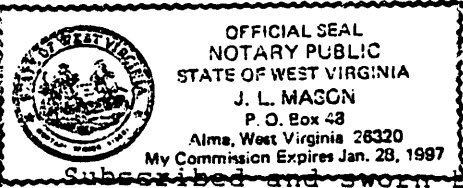
I certify that as required under Chapter 22b of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 4 on the above named parties, by:

- ___ 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. Mason
Its: President
Address P. O. Box 99
Alma, WV 26320-0099
Telephone (304) 758-4638



Subscribed and sworn before me this 8th day of November, 19 90
J. L. Mason Notary Public
My commission expires 1/28/97