

CLARA SWEENEY HRS. 16 AC. ±

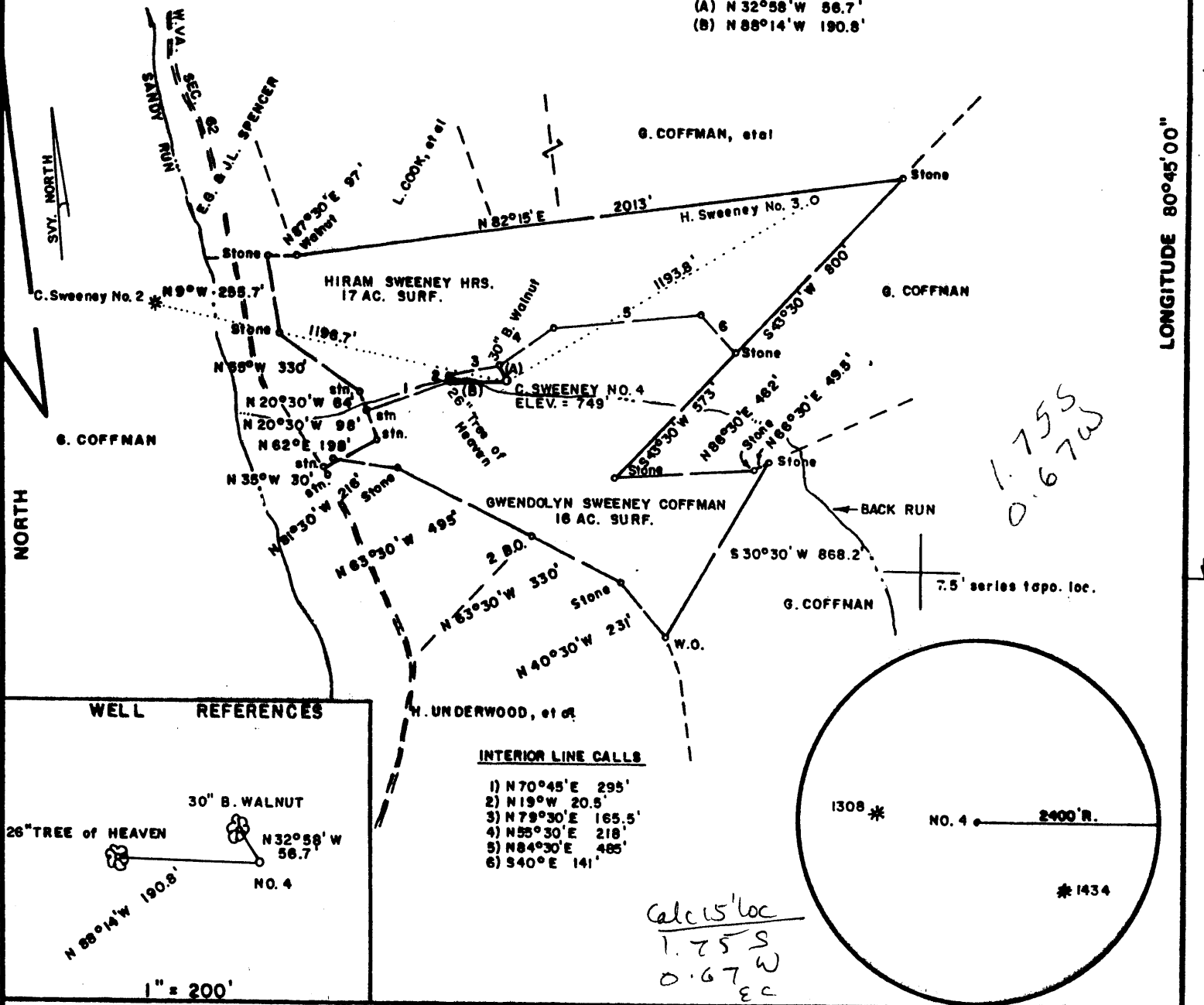
LATITUDE 39°25'00"

3500' W

Janie 12/1/90

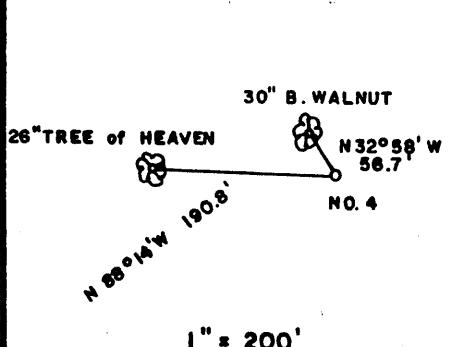
WELL TIES

- (A) N 32°58'W 56.7'
- (B) N 88°14'W 190.8'



*1.755
0.67W*

WELL REFERENCES



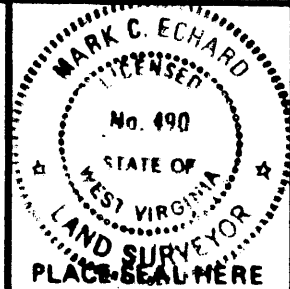
INTERIOR LINE CALLS

- 1) N 70°45'E 295'
- 2) N 19°W 20.5'
- 3) N 79°30'E 165.5'
- 4) N 55°30'E 218'
- 5) N 84°30'E 485'
- 6) S 40°E 141'

*Calc 15' loc
1.75 S
0.67 W
EC*

FILE NO. _____
DRAWING NO. _____
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. *Mark C. Echard*
(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 30, 19 90
OPERATOR'S WELL NO. C. SWEENEY NO. 4
API WELL NO. 47-095-1448
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 749' WATER SHED BACK RUN OF SANDY RUN
DISTRICT McELROY COUNTY TYLER
QUADRANGLE SHIRLEY 75' *Union Ec*
SURFACE OWNER GWENDOLYN SWEENEY COFFMAN ACREAGE 16 AC.
OIL & GAS ROYALTY OWNER GWENDOLYN SWEENEY COFFMAN, et al LEASE ACREAGE 16 AC.
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 GORDON ESTIMATED DEPTH 2990' ±
WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
ADDRESS P.O. BOX 99 280 ADDRESS P.O. BOX 99
ALMA, W.VA. 26302 ALMA, W.VA. 26302

DEC 14 1990

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

APR 29 91

Permitting
Gas Section

Well Operator's Report of Well Work

Farm name: COFFMAN, GWENDOLYN Operator Well No.: C. SWEENEY 4

LOCATION: Elevation: 749.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 9150 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 3500 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: 12/10/90

Well work Commenced: 12/13/90

Well work Completed: 12/17/90

Verbal Plugging

Permission granted on:

Rotary Cable _____ Rig

Total Depth (feet) _____

Fresh water depths (ft) 120

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"	1642	1642	CTS 265sks

OPEN FLOW DATA

Producing formation Gordon Sand Pay zone depth (ft) 2492'-2500'
Gas: Initial open flow show 110 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 110 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 900 psig (surface pressure) after 48 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 Mason
Date: 4/15/91

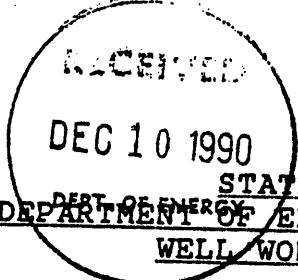
MAY 6 1991

This well was completed natural in the Gordon Sand.

Permian Sands/Shales	0	500
Pennsylvanian Sands/Shales	500	1643
Big Lime	1644	1743
Keener Sand	1744	1762
Big Injun Sand	1763	1900
Shale	1901	2047
Weir Sand	2048	2126
Shale	2127	2244
Gantz Sand	2245	2251
Shale/Siltstone	2252	2456
Gordon Sands	2457	2558
Shale	2558	2655

RECEIVED
Division of Energy
APR 29 91
Permitting
Oil and Gas Section

11666



095-1448
Issued 12/10/90
Expires 12/10/92

ORIGINAL

FORM WW-2B

Page 2 of 4

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

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION ³¹¹ 14425 (5) 606
- 2) Operator's Well Number: C. Sweeney #4 3) Elevation: 749'
- 4) Well type: (a) Oil X/ or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep / Shallow X/
- 5) Proposed Target Formation(s): Gordon 419
- 6) Proposed Total Depth: 2990± feet
- 7) Approximate fresh water strata depths: 100' / 155'
- 8) Approximate salt water depths: 1200' / 749'
- 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)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	9-5/8	H-40	29#	100'	100'	CTS
Coal						
Intermediate	7"	50,000 min. yield	17#	1650'	1650'	38CSR18-11.3 CTS
Production	4-1/2		10.5	2700'	2700'	38CSR18-11.1
Tubing						
Liners						

PACKERS : Kind
Sizes
Depths set

6232
36
For Division of Oil and Gas Use Only
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond Agent



1) Date: December 3, 1990
2) Operator's well number
Clara Sweeney #4
3) API Well No: 47 - 095 - 1448
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 Gwendolyn Coffman
Address Route 9, Box 83A
Parkersburg, WV 26101
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rte 2, Box 135
Salem, WV 26426
Telephone (304) - 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

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)

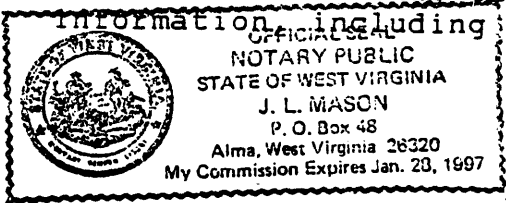
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 5 on the above named parties, by:

- _____ 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: [Signature]
Its: President
Address PO Box 99
Alma, WV 26320-0099
Telephone 304-758-4638

Subscribed and sworn before me this 3rd day of December, 1990

My commission expires 1/28/97 [Signature] Notary Public