

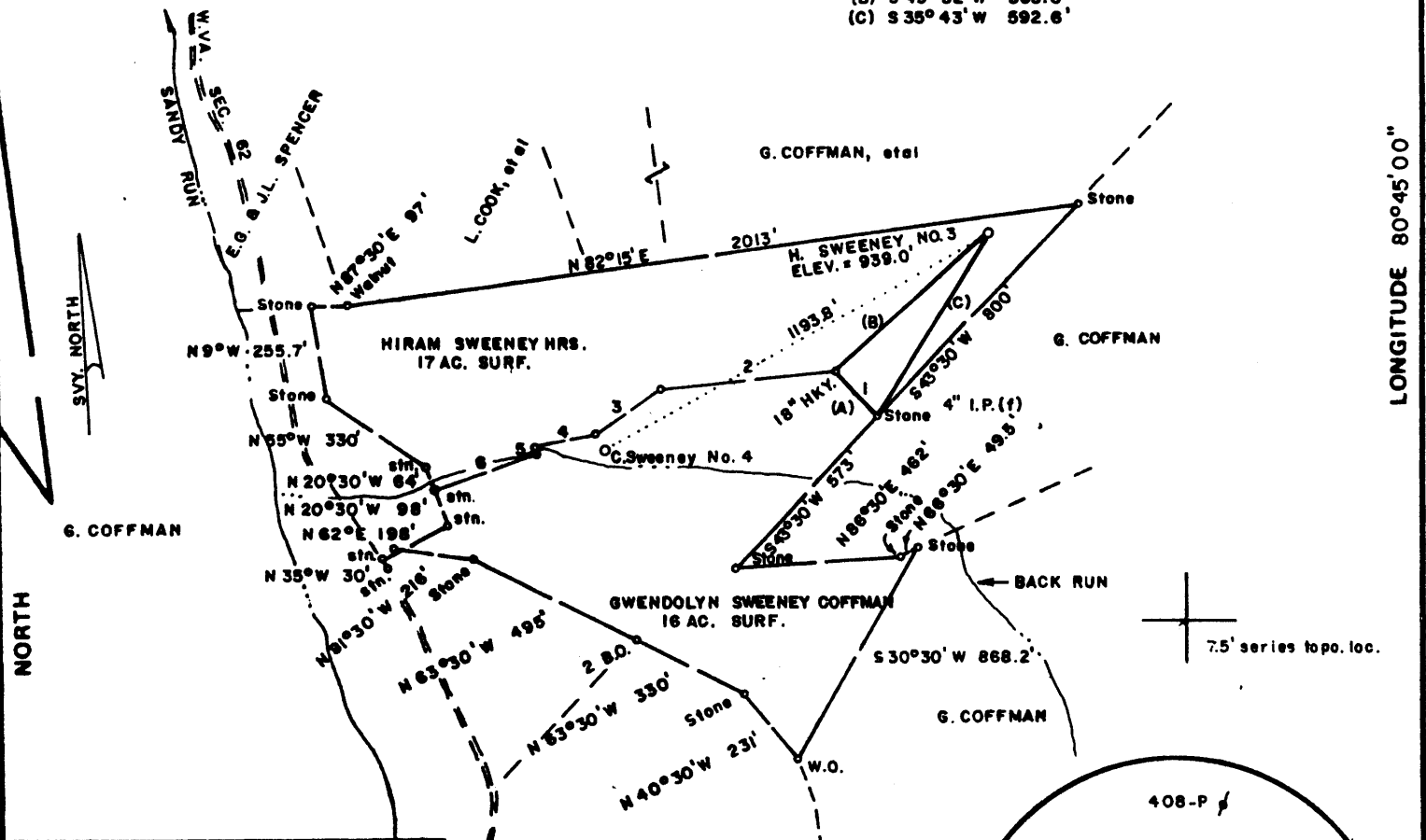
HIRAM SWEENEY HRS. 17 AC. ±

LATITUDE 39°25'00"

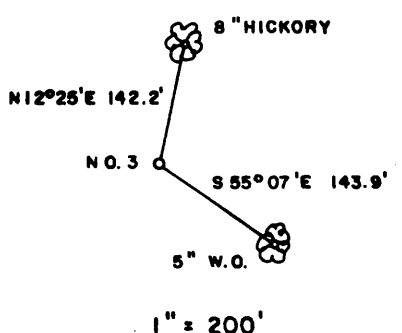
Janie 12/11/90

WELL TIES

- (A) N 36°14' W 141.9'
- (B) S 49°32' W 565.0'
- (C) S 35°43' W 592.6'

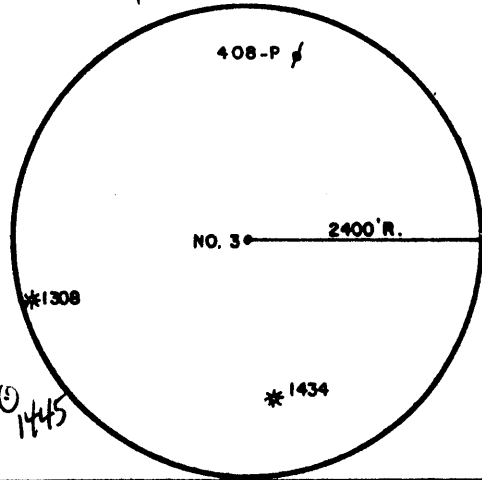


WELL REFERENCES



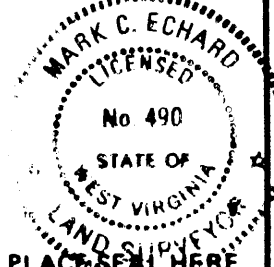
INTERIOR LINE CALLS

- 1) N 40° W 141'
- 2) S 84°30' W 485'
- 3) S 55°30' W 218'
- 4) S 79°30' W 165'
- 5) S 19° E 20.5'
- 6) S 70°45' W 295'



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. H. SWEENEY NO. 3
 API WELL NO. Cancelled
47 - 095 - 1447
 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 939.0' WATER SHED BACK RUN OF SANDY RUN
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5'
 SURFACE OWNER HIRAM SWEENEY HRS. ACREAGE 17 AC.
 OIL & GAS ROYALTY OWNER HIRAM SWEENEY HRS. LEASE ACREAGE 17 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 ADDRESS P.O. BOX 99
ALMA, W. VA. 26302 ALMA, W. VA. 26302

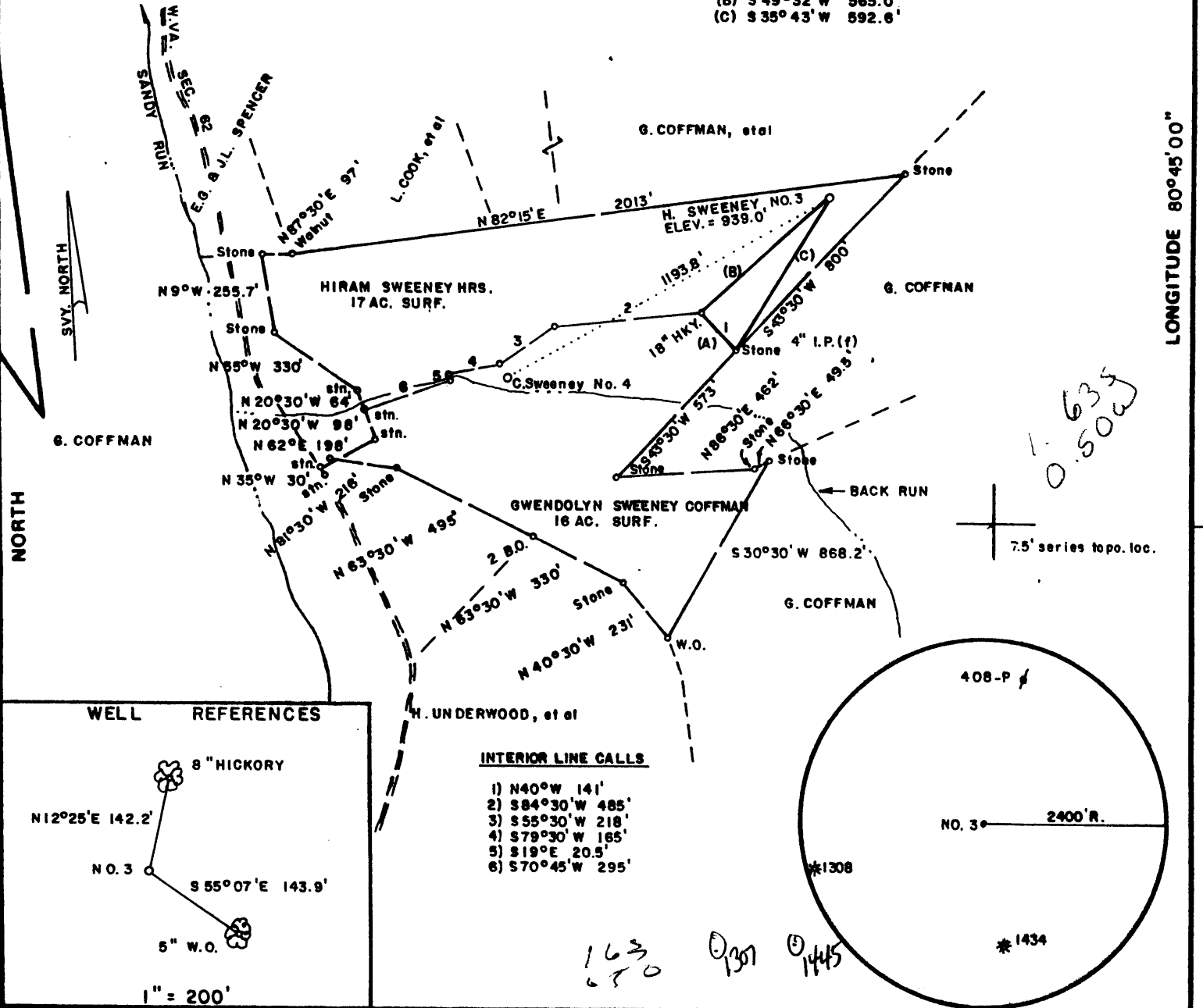
HIRAM SWEENEY HRS. 17 AC. ±

LATITUDE 39°25'00"

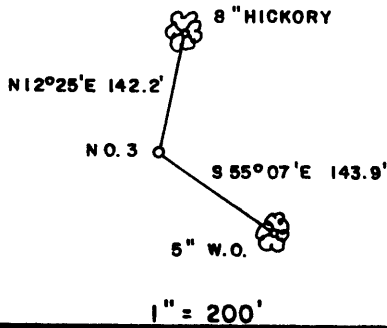
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WELL REFERENCES



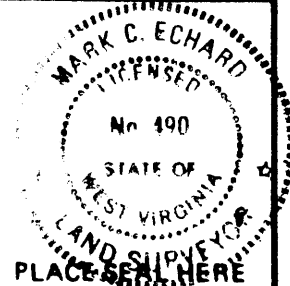
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Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



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

FORM IV-6 (8-78)



DATE NOVEMBER 30, 19 90
 OPERATOR'S WELL NO. H. SWEENEY NO. 3
 API WELL NO. 47-095-1447
 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 939.0' WATER SHED BACK RUN OF SANDY RUN
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5' W Union
 SURFACE OWNER HIRAM SWEENEY HRS. ACREAGE 17 AC.
 OIL & GAS ROYALTY OWNER HIRAM SWEENEY HRS. LEASE ACREAGE 17 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.G. 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

DEC 10 1990

DEPT. OF ENERGY

095-1447

ORIGINAL

FORM WW-2B

Issued 12/10/90

Page 2 of 4

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

Expires 12/10/92

311

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION 14425 (5) 606
- 2) Operator's Well Number: H. Sweeney #3 3) Elevation: 939'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Gordon 410
- 6) Proposed Total Depth: 2990'± feet
- 7) Approximate fresh water strata depths: 100 430'
- 8) Approximate salt water depths: 1200 1040'
- 9) Approximate coal seam depths: --
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill, perforate, stimulate new formation
- 12)

CASING AND TUBING PROGRAM

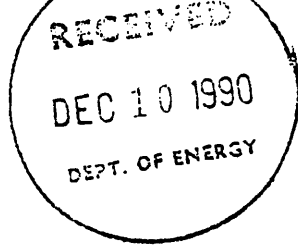
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	9-5/8	H-40	29#	100'	100'	CTS
Coal						
Intermediate	7"	50,000 min. yield	17#	1850'	1850'	38CSR11.2.2
Production	4 1/2"		10.5#	2895'	2895'	38CSR11.1.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

6234
36

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



1) Date: December 3, 1990
2) Operator's well number
H. Sweeney #3
3) API Well No: 47 - 095 - 1447
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 Hiram Sweeney Heirs
Address Gwendolyn Coffman heir
Rt. 9, Box 83A, Parkersburg, WV 26101
(b) Name _____
Address _____
(c) Name _____
Address _____

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

6) Inspector Mike Underwood
Address Rte 2, Box 135
Salem, WV 26426
Telephone (304)-782-1043

(c) Coal Lessee with Declaration
Name _____
Address _____

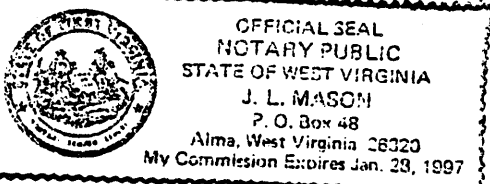
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ 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