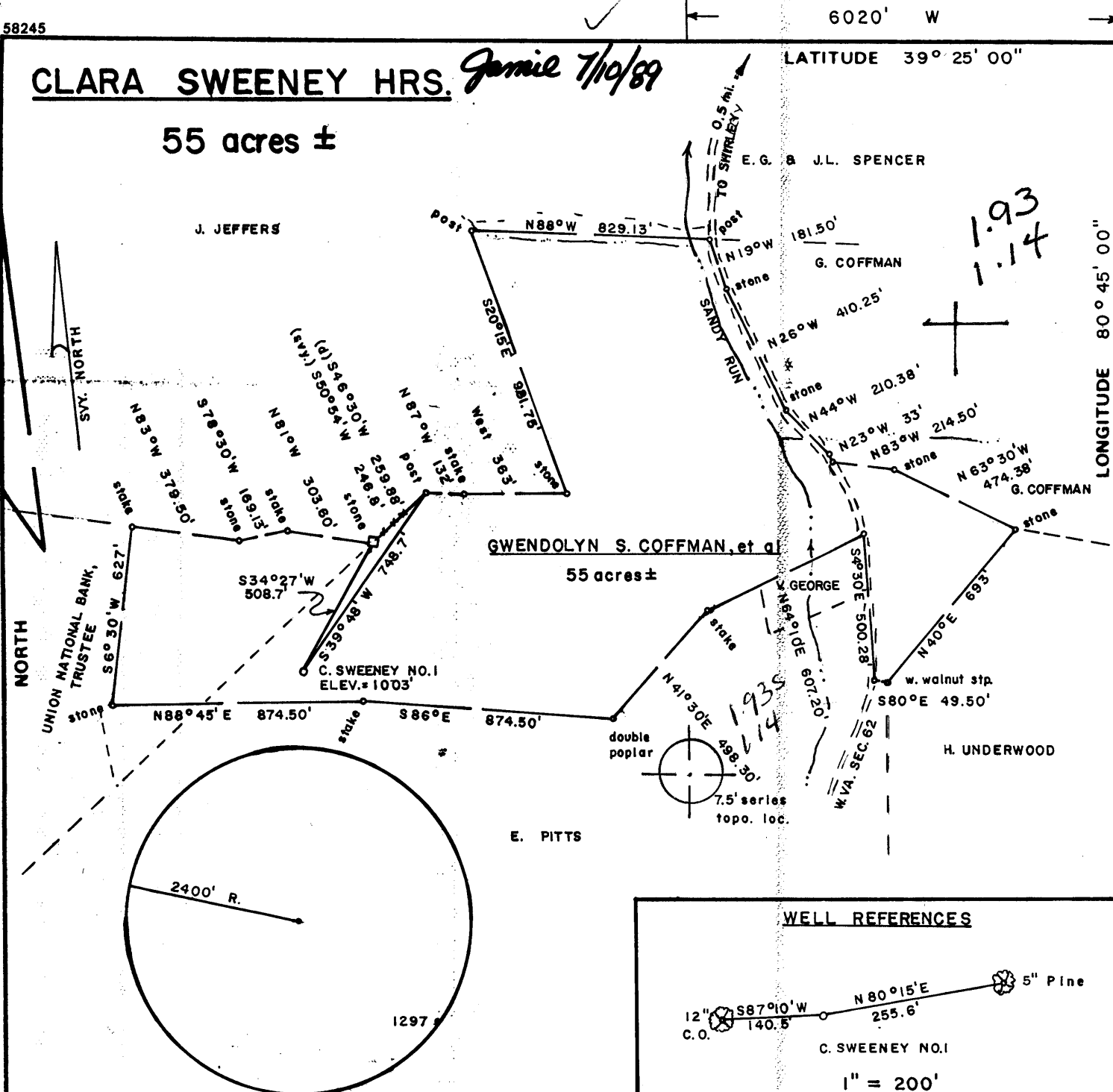
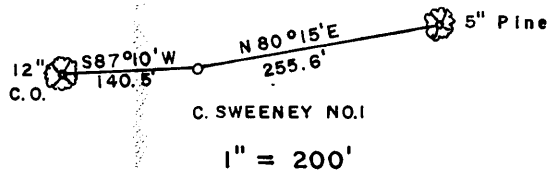


CLARA SWEENEY HRS. *Jamie 7/10/89*

55 acres ±

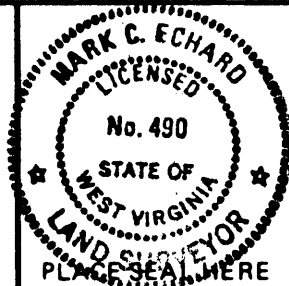


WELL REFERENCES



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. NORTHEAST OF LOC. 3800' ± 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*  
 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 JUNE 14, 19 89  
 OPERATOR'S WELL NO. ONE-A  
 API WELL NO. 47-095-1307  
 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 1003' WATER SHED SANDY RUN  
 DISTRICT McELROY 5 COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' 607 1336 West Union EC  
 SURFACE OWNER GWENDOLYN SWEENEY COFFMAN, et al ACREAGE 55 Ac.  
 OIL & GAS ROYALTY OWNER GWENDOLYN SWEENEY COFFMAN, et al LEASE ACREAGE 55 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 BENSON ESTIMATED DEPTH 5300' ±  
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON  
 ADDRESS P.O. BOX 99 280 ADDRESS P.O. BOX 99  
 ALMA, W.VA. 26320 ALMA, W.VA. 26320

JUL 14 1989

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

Well Operator's Report of Well Work

Farm name: COFFMAN, GWENDOLYN Operator Well No.: C. SWEENEY #1A

LOCATION: Elevation: 1003.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER  
Latitude: 10200 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 6020 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: GLEN P. ROBINSON  
Permit Issued: 07/11/89  
Well work Commenced: July 20, 1989  
Well work Completed: July 25, 1989  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary ~~xxx~~ Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5156  
Fresh water depths (ft) 80

Salt water depths (ft) None

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft. to surface
8 5/8	1184	1184	
4 1/2		2830	75 sks

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DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation GORDON SANDSTONE Pay zone depth (ft) 2670-704  
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow NONE Bbl/d  
Final open flow 150 MCF/d Final open flow SHOW Bbl/d  
Time of open flow between initial and final tests 26 Hours  
Static rock Pressure 360 psig (surface pressure) after 12 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.

SEP 15 1989

For: DRILLING APPALACHIAN CORP.

By: Kenneth R. Mason  
Date: 9/1/89

GEOLOGICAL WELL RECORD DATA

PERMIT NUMBER: 47-095-1307

	TOP	BOTTOM
SOIL	0	30
BROKEN SAND	30	150
SAND AND SHALE	150	1050
DUNKARD SAND	1050	1200
1ST SALT SAND	1200	1285
2ND SALT SAND	1350	1450
3RD SALT SAND	1510	1590
MAXON	1774	1800
BIG LIME	1890	1960
BIG INJUN	1962	2128
WEIR	2249	2334
BEREA CAP	2436	
GANTZ	2453	2470
GORDON	2670	2704
WARREN	3352	3390
RILEY	4526	4570
BENSON CAP	4988	4990
TOTAL DEPTH	5156	

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SEP 12 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Show gas

GAS

WELL TREATMENT SCHEDULE

Gordon Sand                    2678 - 2703 Perforated with 14 holes

Formation Break Down            2100 PSI

Hydraulic frac

Average Treating Rate        20 barrels/Min

464 barrels of gel treated water

5,000 pounds of 80/100 Sand

25,000 pounds of 20/40 Sand

Average Treating Pressure        2318 PSI

SEP 15 1989



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JUL 10 1989

DIVISION OF OIL & GAS 3)  
DEPARTMENT OF ENERGY

Date: June 15, 1989  
Operator's well number  
Clara Sweeney Heirs #1A  
API Well No: 47 - 095 - 1307  
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 Coffman</u><br/>Address <u>C.P. Star Route, Box 166</u><br/><u>West Union, WV 26456</u></p> <p>(b) Name <u>Bayard Sweeney, Jr.</u><br/>Address <u>807 17th St.</u><br/><u>Vienna, WV 26105</u></p> <p>(c) Name <u>LaMoyne Sweeney</u><br/>Address <u>Route 9, Box 83A</u><br/><u>Parkersburg, WV 26101</u></p> <p>6) Inspector <u>Glen Robinson</u><br/>Address <u>Rt 1, #6 Mt. Pleasant Estates</u><br/><u>Mineral Wells, WV 26150</u><br/>Telephone (304)- <u>489-9162</u></p> | <p>5) (a) Coal Operator:<br/>Name <u>---</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration<br/>Name <u>-L-</u><br/>Address _____</p> <p>(c) Coal Lessee with Declaration<br/>Name <u>---</u><br/>Address _____</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 5 on the above named parties, by:

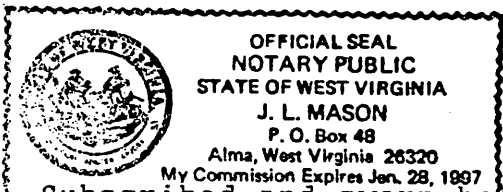
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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 P. Johnson*  
 Its: President  
 Address PO Box 99, Alma, WV 26320  
 Telephone (304)758-4638



~~Subscribed and sworn~~ before me this 15th day of June, 1989

My commission expires 1/28/97

*J. L. Mason* Notary Public