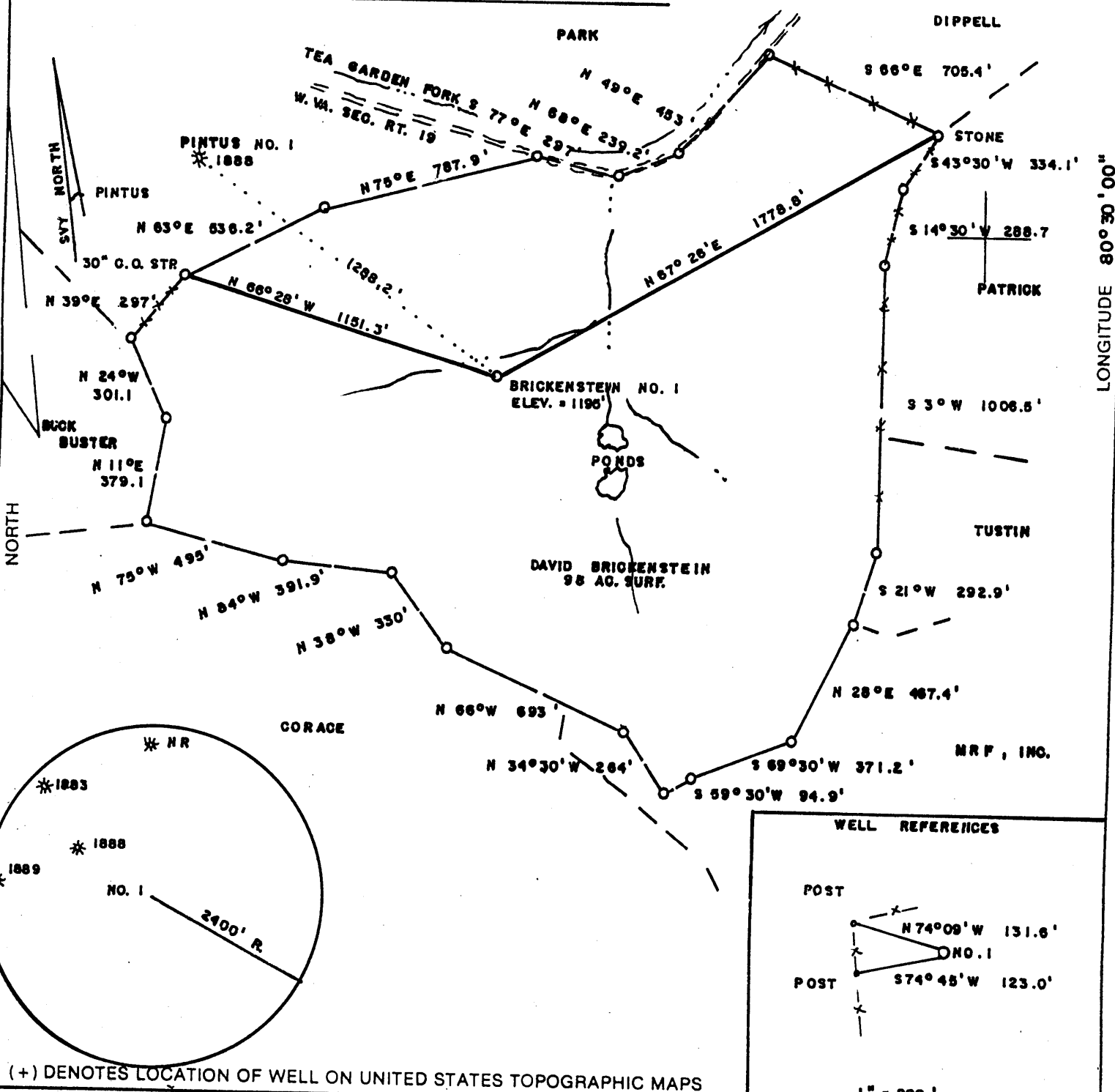


BRICKENSTEIN LEASE 98.5 AC.

LATITUDE 39°37'30"

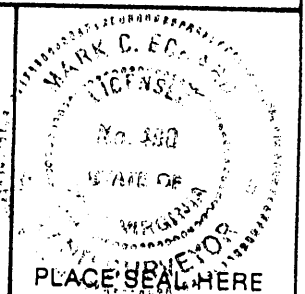
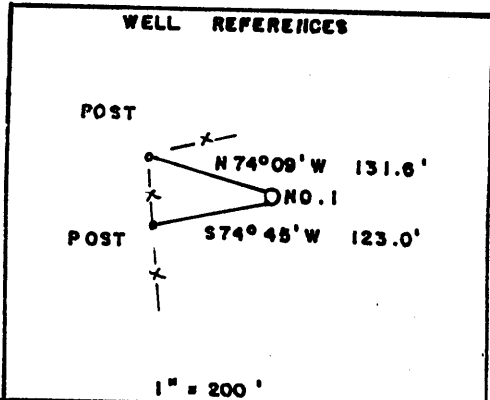
1900' W



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM NE OF LEASE
 ELEV. = 1101'

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



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE OCTOBER 1, 2003
 OPERATOR'S WELL NO. NO. 1
 API WELL NO. 47-103-01981
 STATE 47 COUNTY 103 PERMIT 01981

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION +196' WATER SHED TEA GARDEN FORK
 DISTRICT CHURCH COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'

SURFACE OWNER DAVID BRICKENSTEIN, et al ACREAGE 98.5
 OIL & GAS ROYALTY OWNER DAVID BRICKENSTEIN, et al LEASE ACREAGE 98.5
 LEASE NO. _____

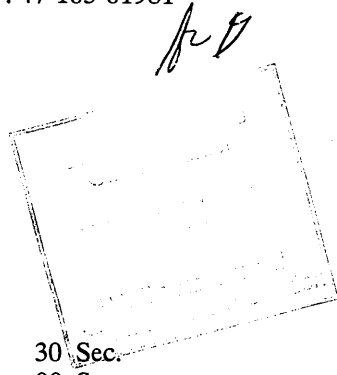
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION SPEECHLEY ESTIMATED DEPTH 3900'
 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

COUNTY NAME WETZEL
 PERMIT 1981

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work



Farm name: Brickenstein

Well No.: Brickenstein #1

LOCATION: Elevation: 1,321'

Quadrangle: Big Run

District: Church

County: Wetzel

Latitude: 4,160 Feet South of

39 Deg. 37 Min. 30 Sec.

Longitude 1,900 Feet West of

80 Deg. 30 Min. 00 Sec.

Company:

Drilling Appalachian Corporation	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address:				
P.O. Box 99 Alma WV 26320	9 5/8	230	215	68 sks
Agent: Kenneth Mason				
Inspector: Mike Underwood	6 5/8	1530	1512	100 sks
Date Permit Issued: 10/20/2003				
Date Well Work Commenced: 11/02/03	4 1/2	3456	3311	170 sks
Date Well Work Completed: 11/10/03				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3289				
Fresh Water Depth (ft.): 1,785'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Gordon/5th Pay zone depth (ft) 2980-3164
 Gas: Initial open flow 105 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 120 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 475# psig (surface pressure) after 48 Hours

Second producing formation Big Injun Pay zone depth (ft) 2190-2202
 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

* = commingled zones

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,

Signed: Drilling Appalachian Corporation
 By: Kenneth R. Mason
 Date: 11-18-03

WET 1981

Brickenstein #1
11-04-03

Stage #1	perfs	sand	avg rate	isip
Gordon 4 th	3017-3429 15 holes	200 sks	28 bpm	3272#
Stage #2 Big Injun	2980-3164 15 holes	250 sks	28 bpm	2157#

Drillers Log

Sh	0	5
Sd/Sh	5	275
Sd	275	285
Sd/Sh	285	1000
RR	1000	1050
Sd/Sh	1050	1298
RR	1298	1358
Sd/Sh	1358	1378
Sd	1378	1400
Sd/Sh	1400	2135
Big Lime	2135	2215
Sd	2215	2395
Sd/Sh	2395	3048
Sd	3048	3084
Sd/Sh	3084	3151
Sd	3151	3215
Sd/Sh	3215	3272
Sd	3272	3315
Sd/Sh	3315	3456
Td	3456	

Electric Log Tops

Big Lime	2110
Berea	2504
Gordon	2942

damp @ 940'

gas ck @ 2,450' = 231 mcfs

gas ck @ 3,149 = 60 mcfs

gas ck @ TD = 105 mcfs