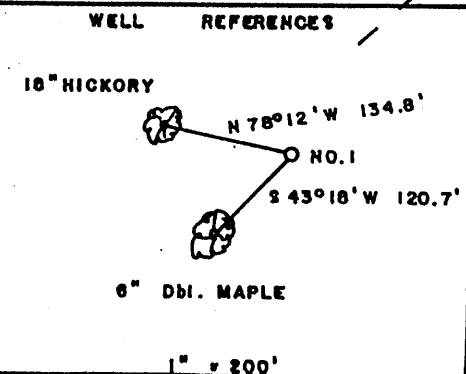
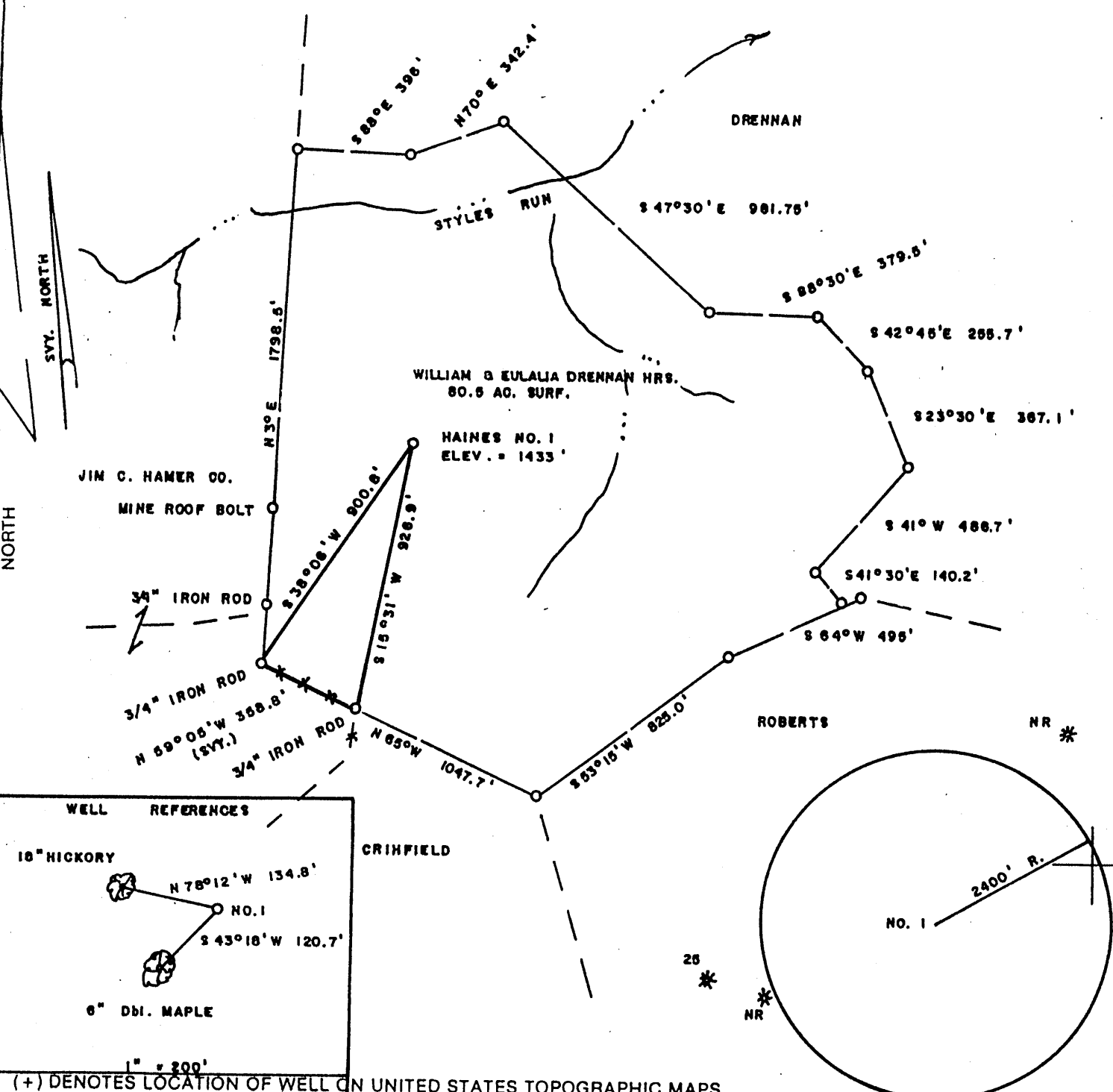


HAINES LEASE 80.5 AC.

LATITUDE 39° 40' 00" 490' W

LONGITUDE 80° 06' 08" 12' S, 906' 12'



(+) 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 TOP OF KNOB SW of LOC. ELEV. = 1550'

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 JUNE 9, 2003

OPERATOR'S WELL NO. HAINES NO. 1

API WELL NO. 47-103-01969

STATE 47 COUNTY 103 PERMIT 01969

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1433' WATER SHED STYLES RUN of LONG DRAIN

DISTRICT CHURCH COUNTY WETZEL

QUADRANGLE LITTLETON 7.5'

SURFACE OWNER WILLIAM & EULALIA DRENNAN HRS. ACREAGE 80.5

OIL & GAS ROYALTY OWNER LUCILLE L. HAINES LEASE ACREAGE 80.5

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

11/1/10

COUNTY NAME WETZEL

PERMIT 1969

DATE AUG 22 2003

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

Well Operator's Report of Well Work

Farm name: Drennan

Operator Well No.: Haines #1

LOCATION: Elevation: 1,433'

Quadrangle: Littleton 7.5'

District: Center

County: Wetzel

Latitude: 12,900 Feet South of

39 Deg. 40 Min. 30 Sec.

Longitude 490 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	85 sks
Agent: Kenneth Mason				
Inspector: Mike Underwood	6 5/8	1700	1684	100 sks
Date Permit Issued: 08/19/2003				
Date Well Work Commenced: 08/27/03	4 1/2	3596	3536	170 sks
Date Well Work Completed: 09/07/03				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3596				
Fresh Water Depth (ft.): 2,005'				
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 Pay zone depth (ft) 3300-3480
 Gas: Initial open 22 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 800 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) 2510-2530
 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:

By: Kenneth R. Mason

WET 1969

Haines #1
09-10-03

Stage #1	perfs	sand	avg rate	isip
Gordon 4 th	3298-3474 15 holes	250 sks	28 bpm	2999#
Stage #2 Big Injun	2518-2526 15 holes	200 sks	24 bpm	2339#

Drillers Log

Sh	0	4	
Sd/Sh	4	620	
RR	620	925	
Sd/Sh	925	1020	
Sd	1020	1075	
Sd/Sh	1075	1376	½" strm 2,005'
RR	1376	1550	
Sd/Sh	1550	1950	
Sd	1950	2045	
Sd/Sh	2045	2230	
Lime	2230	2280	
Sd/Sh	2280	2360	
Lime	2360	2445	
Sd	2445	2655	gas ck @ 2,623' = no show
Sd/Sh	2655	3215	gas ck @ 3,447 = 133 mcfs
Sd	3215	3260	
Sd/Sh	3260	3315	
Sd	3315	3340	
Sd/Sh	3340	3596	
Td	3596		gas ck @ TD = 133 mcfs

Electric Log Tops

Big Lime	2368
Berea	2784
Gordon	3202