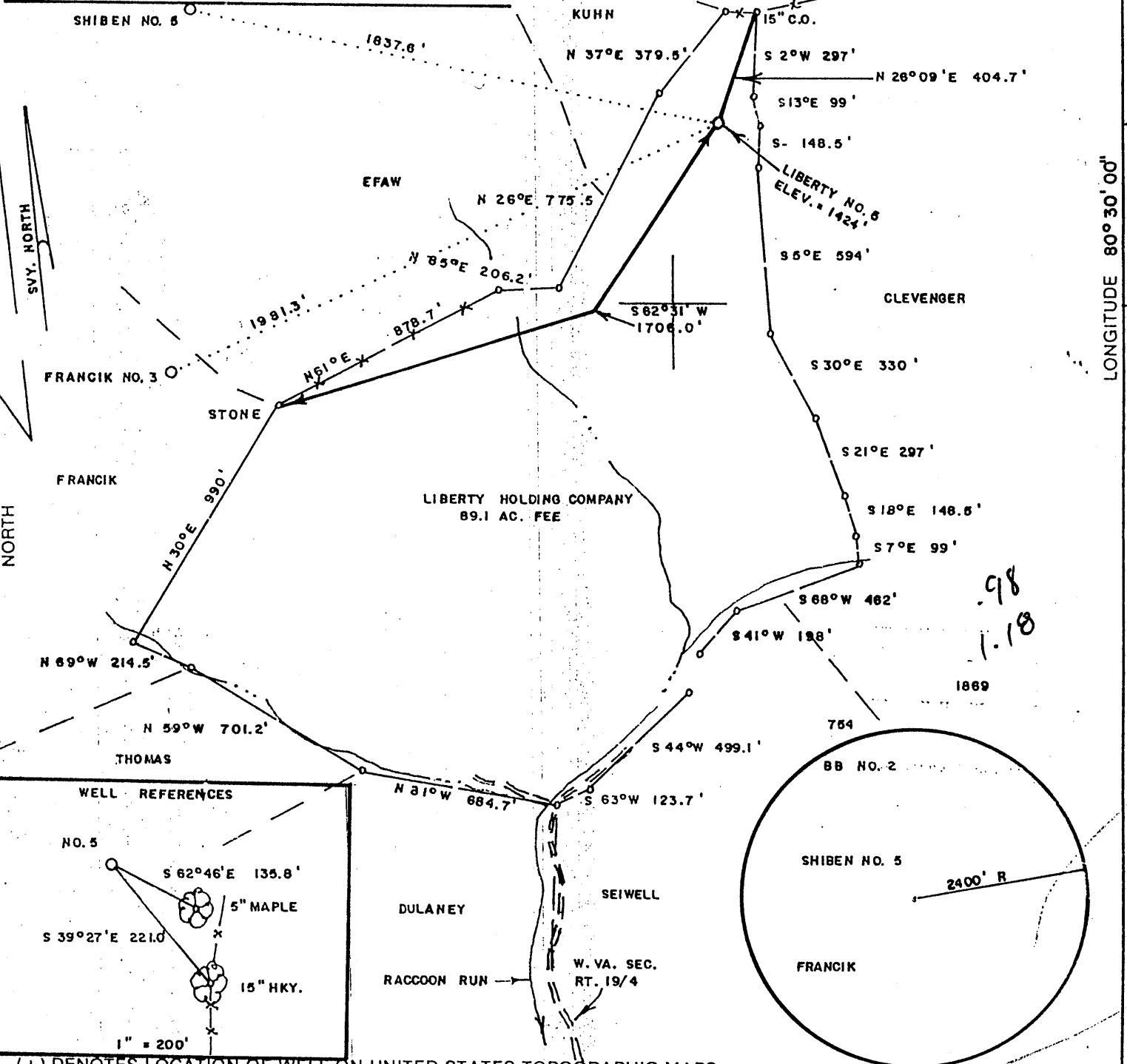


6 250' W

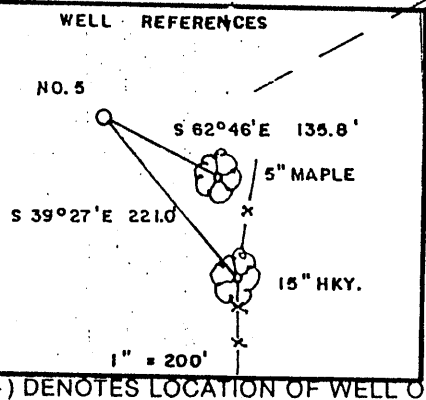
BUCK BUSTER LATITUDE 39° 37' 30"

LIBERTY LEASE 89.1 AC.

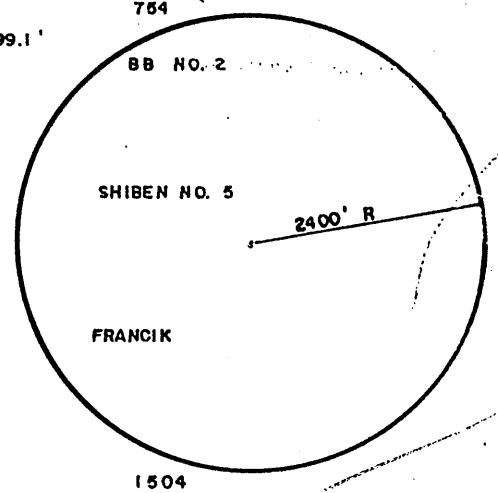


S. 0025
PO. 06 08 EDMINGTON

SVY. NORTH
NORTH

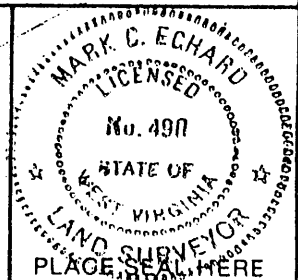


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM WEST OF LEASE
ELEV. = 1541'

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 21, 2002
 OPERATOR'S WELL NO. LIBERTY NO. 5
 API WELL NO. 47 103 1887
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1424' WATERSHED RACCOON RUN OF WILLEY FORK
 DISTRICT GRANT COUNTY WITZEL
 QUADRANGLE BIG RUN 7.5'

SURFACE OWNER LIBERTY HOLDING CO. ACREAGE 89.1
 OIL & GAS ROYALTY OWNER LIBERTY HOLDING CO. LEASE ACREAGE 89.1
 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 MR. KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV 26320 ALMA, WV 26320

COUNTY NAME WEST
PERMIT 1887

6-6 (045)

JUN 2 2002

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

As 4

Well Operator's Report of Well Work

Farm name: Liberty Holding Co.

Operator Well No.: Liberty #5

LOCATION: Elevation: ~~1475~~ 1424

Quadrangle: Big Run 7.5'

District: Church

County: Wetzel

Latitude: 6,200 Feet South of

39 Deg. 07 Min. 30 Sec.

Longitude 6,250 Feet West of

80 Deg. 30 Min. 00 Sec.

Company:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Drilling Appalachian Company				
Address:				
P.O. Box 99 Alma WV 26320	9 5/8	225	212	83sks
Agent: Kenneth Mason				
Inspector: Steve Mossor	6 5/8	1700	1662	100sks
Date Permit Issued: 08/07/02				
Date Well Work Commenced: 08/17/02	4 1/2	3658	3538	170 sks
Date Well Work Completed: 08/22/02				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3658'				
Fresh Water Depth (ft.): 70'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1169-70				

OPEN FLOW DATA

Producing formation Gordon/4th Pay zone depth (ft) 3220-3338
 Gas: Initial open odor MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 470 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 600# psig (surface pressure) after 48 Hours

Second producing formation Big Injun Pay zone depth (ft) 2520-2534
 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

JAN 17 2003

WET 1887

Liberty #5
08-27-02

Stage #1	perfs	sand	avg rate	isip
Gordon 4th	3222-3400	300 sks	28 bpm	2653
Stage #2 Big Injun	2270-2648	200 sks	28 bpm	2209

Drillers Log

Fill	0	45	
Sd/Sh	45	110	
Sd	110	240	
Sd/Sh	240	1169	wet @ 1,988'
Coal	1169	1170	
Sd/Sh	1170	1340	
RR	1340	1615	
Sd/Sh	1615	1980	
Sd	1980	2029	
Sd/Sh	2029	2344	
LL	2344	2358	
Sd/Sh	2358	2375	
BL	2375	2445	
Sd	2445	2650	
Sd/Sh	2650	3220	gas ck @ 3197' = N/S
Sd Gordon	3220	3265	
Sd/Sh	3265	3300	
Sd	3300	3325	
Sd/Sh	3325	3467	
Sd	3467	3658	
Td	3658		gas ck @ TD = odor

Electric Log Tops

Big Lime	2384
Berea	2770
Gordon	3200

