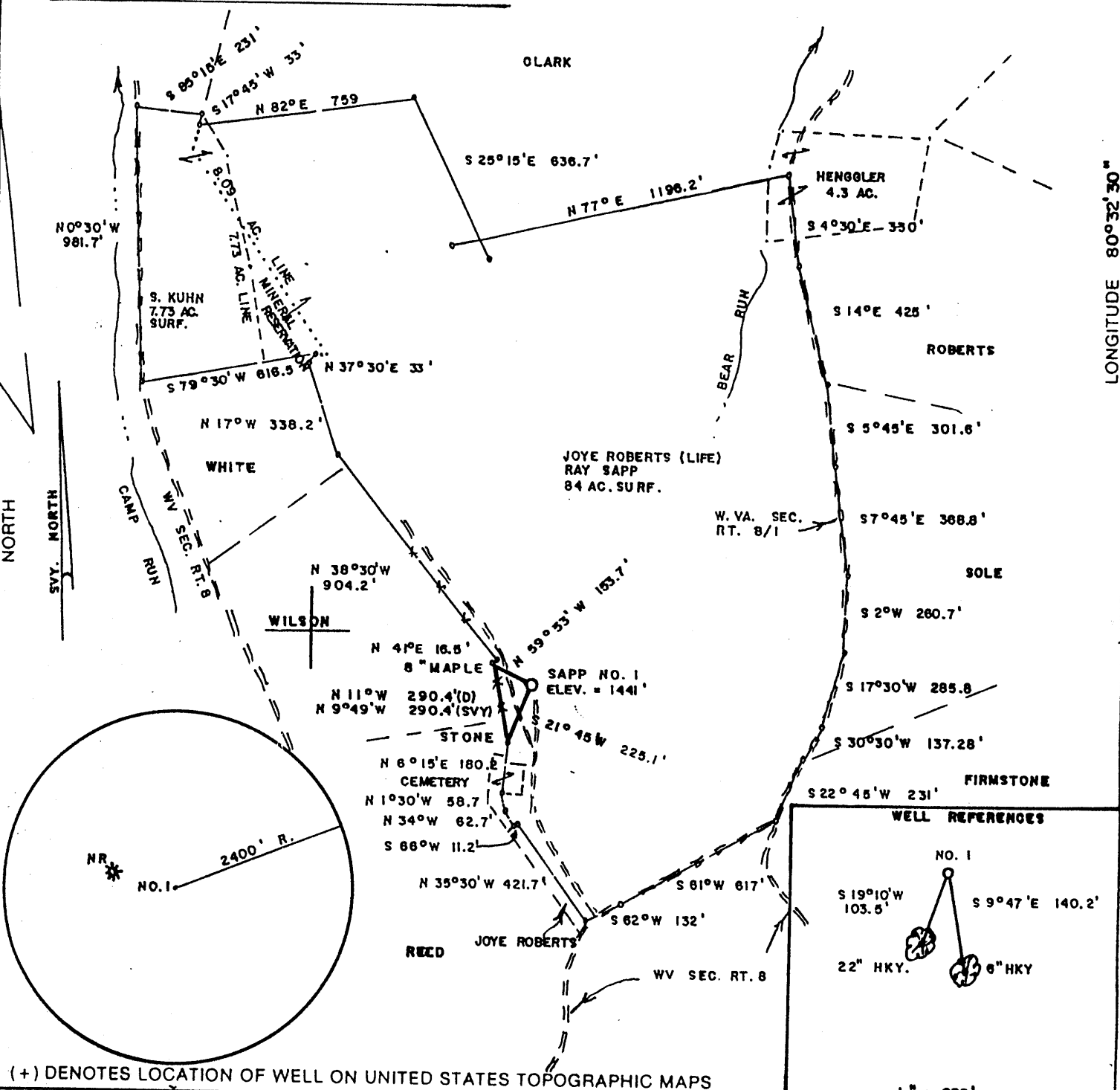


11,280' W

LATITUDE 39°40'00"

SAPP LEASE 84 AC.



LONGITUDE 80°25'08" W

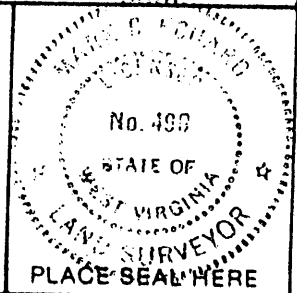
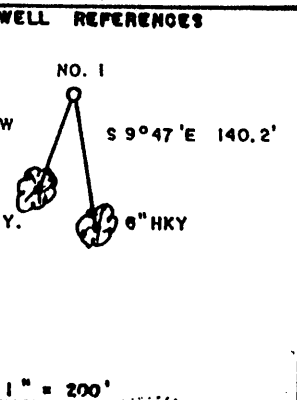
S. 0896

NORTH

SVY. NORTH

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS
SE of LOC. ELEV. = 1446

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 AUGUST 12, 2003
 OPERATOR'S WELL NO. NO. 1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1441' WATERSHED BEAR RUN
 DISTRICT CENTER COUNTY WETZEL
 QUADRANGLE LITTLETON 7.5'

SURFACE OWNER JOYE ROBERTS(LIFE) RAY SAPP ACREAGE 84
 OIL & GAS ROYALTY OWNER JOYE ROBERTS(LIFE) RAY SAPP LEASE ACREAGE 84

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 ALMA, WV 26320 ADDRESS P.O. BOX 99 ALMA, WV 26320

COUNTY NAME WET PERMIT 1974

1 1 US Risk - P. 1011

MP

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

Well Operator's Report of Well Work

Farm name: Sapp

Operator Well No.: Sapp #1

LOCATION: Elevation: 1,441'

Quadrangle: Littleton 7.5'

District: Grant

County: Wetzel

Latitude: 11,200 Feet South of

39 Deg. 42 Min. 30 Sec.

Longitude 2,500 Feet West of

80 Deg. 32 Min. 30 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	1800	1772	100 sks
Date Permit Issued: 08/26/2003				
Date Well Work Commenced: 09/10/03	4 1/2	3653	3562	170 sks
Date Well Work Completed: 09/16/03				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3653				
Fresh Water Depth (ft.): 1953'				
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) 3250-3500

Gas: Initial open flow 267 MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 200 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) 2230-2260

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 1974

JAN 0 2004

Sapp #1
09-23-03

Stage #1	perfs	sand	avg rate	isip
Gordon 4 th	3250-3501 15 holes	200 sks	28 bpm	3123#
Stage #2 Big Injun	2532-2560 15 holes	250 sks	28 bpm	2767#

Drillers Log

Electric Log Tops

Sh	0	5		Big Lime	2395
Sd/Sh	5	280		Berea	2802
Sd	280	415		Gordon	3240
Sd/Sh	415	680			
Sd	680	710			
Sd/Sh	710	1215	½" strm 1,285'		
Coal	1215	1220			
Sd/Sh	1220	2266			
RR	2266	2315			
Sd/Sh	2315	2390			
Little Lime	2390	2397			
Sh	2397	2400			
Big Lime	2400	2497			
Sd	2497	2680	gas ck @ 2,653' = 188 mcfs		
Sd/Sh	2680	2800			
Berea	2800	2812			
Sd/Sh	2812	3230			
Gordon	3230	3290			
Sd/Sh	3290	3345	gas ck @ 3,558 = 140 mcfs		
Sd	3345	3390			
Sd/Sh	3390	3652			
fourth	Td	3652	gas ck @ TD = 280 mcfs		