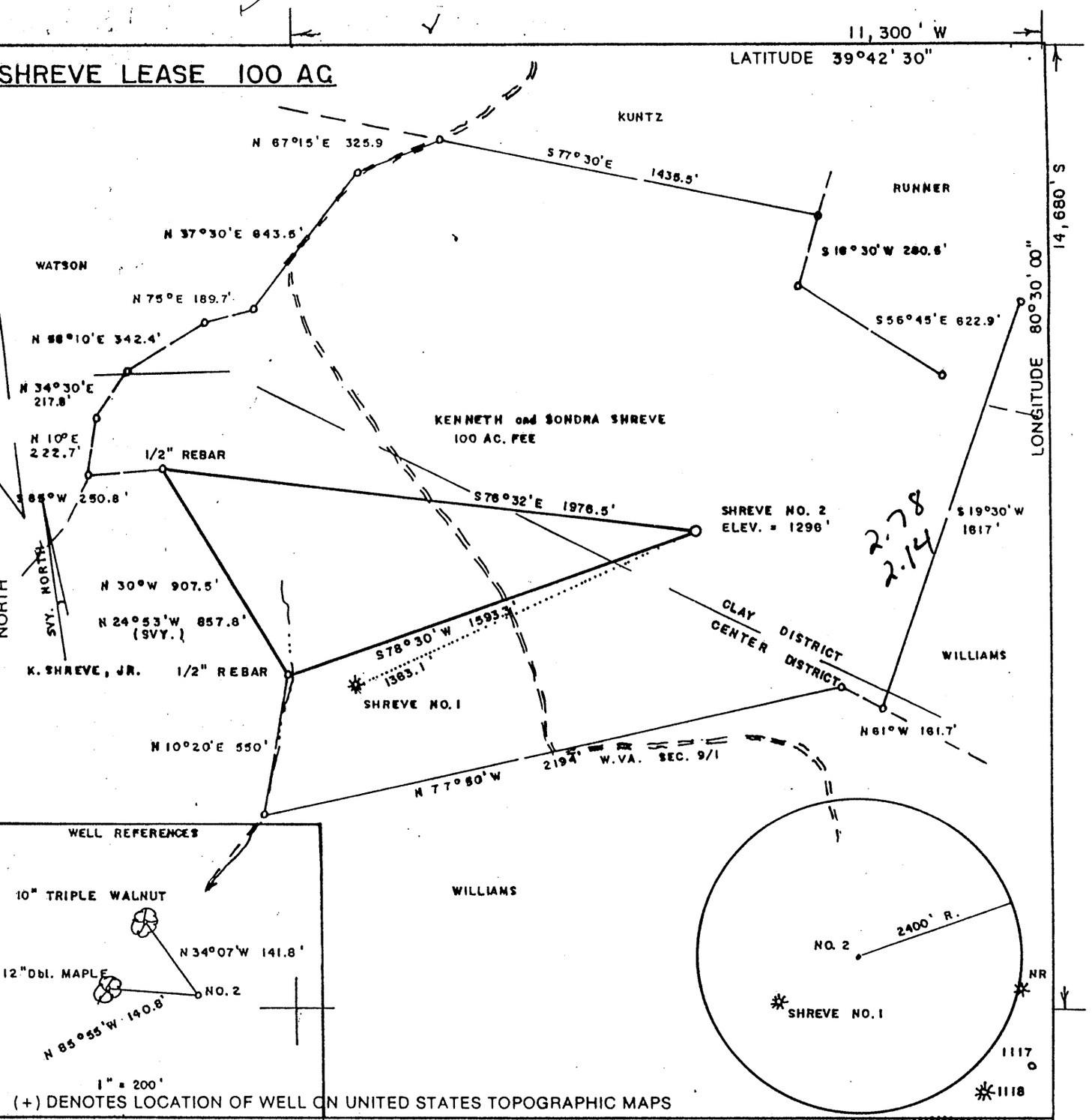

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION JCT. OF ROADS NW EDGE OF LEASE ELEV. = 1419'

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

MARK C. ECHARD LICENSED No. 490 STATE OF WEST VIRGINIA LAND SURVEYOR PLACE SEAL HERE

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

DATE NOVEMBER 1, 2001
OPERATOR'S WELL NO. SHREVE NO. 2
API WELL NO. 47 _ 103 _ 01867
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ✓ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ✓ STORAGE ___ DEEP ___ SHALLOW ✓
LOCATION: ELEVATION 1296' WATERSHED LISTON HOLLOW OF SUGAR RUN
DISTRICT CLAY COUNTY WETZEL
QUADRANGLE LITTLETON 7.5'
SURFACE OWNER KENNETH AND SONDRA SHREVE ACREAGE 100
OIL & GAS ROYALTY OWNER KENNETH AND SONDRA SHREVE LEASE ACREAGE 100
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 / BAYARD 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: 1867

NOV 06 2001

6-6 43

WR-35
Rev (5-01)

DATE: January 24, 2002
API # : 47-103-01867

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

Well Operator's Report of Well Work

Farm name: Kenneth Shreve, et ux Operator Well No. Shreves #2

LOCATION: Elevation: 1296' Quadrangle: Littleton 7.5'

District: Clay County: Wetzel
Latitude: 14,680 Feet South of 39 Deg. 40 Min. 00 Sec.
Longitude 11,300 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: D.A.C.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 99	9-5/8"	200'	200'	68 sks
Alma, WV 26320	7"	1648'	1648'	100sks
Agent: Kenneth Mason	4-1/2"	3367'	3367'	150sks
Inspector: Randal Micks				
Date Permit Issued: 8/28/2001				
Date Well Work Commenced: 12/04/01				
Date Well Work Completed: 12/10/01				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3588'				
Fresh Water Depth (ft.): 1170'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 692'				

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 3083-3218
Gas: Initial open flow 25 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 160 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 250 _____ psig (surface pressure) after _____ Hours

Second producing formation Big Injun Pay zone depth (ft) 2343-2395
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, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: D.A.C. Kenny Mason
By: Kenny Mason

MAR 0 8 2002

WET 1867

API # 47-103-01867
Shreves #2
12/17/01

Stage #1	perfs	sand sks
Gordon	3083-3218 16 holes	250 sks
Stage #2		
Big Injun	2343-2395 16 holes	250 sks

ISIP 2324

Drillers Log

Fill	0- 15'	
Shale	15'- 20'	
Sd/Sh	20'- 415'	
RR	415'- 425'	
Sd/Sh	425'- 692'	
Coal	692'- 698'	
Sd/Sh	698'- 1230'	
RR	1230'-1260'	
Sd/Sh	1260'-1560'	
Sd	1560'-1873'	
Sd/Sh	1873'-2224'	¼" strm @ 1873'
B. Lime	2224'-2324'	
Injun	2324'-2572'	
Sd/Sh	2572- 3060'	gas ck @ 2620 = 26 mcfs
Sd	3060'-3105	
Sd/Sh	3105'-3588'	gas ck @ Td = odor
TD	3588'	

Electric Log Tops

Big Lime	2256'
Gordon	3034'