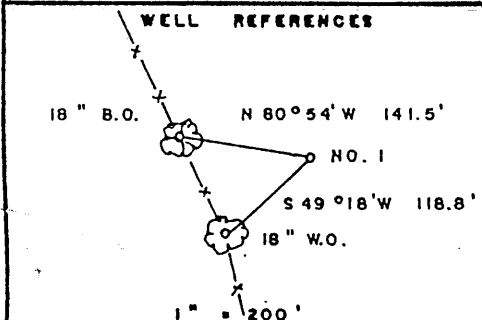
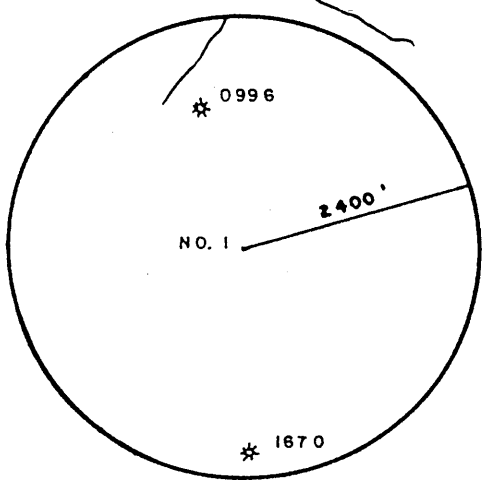
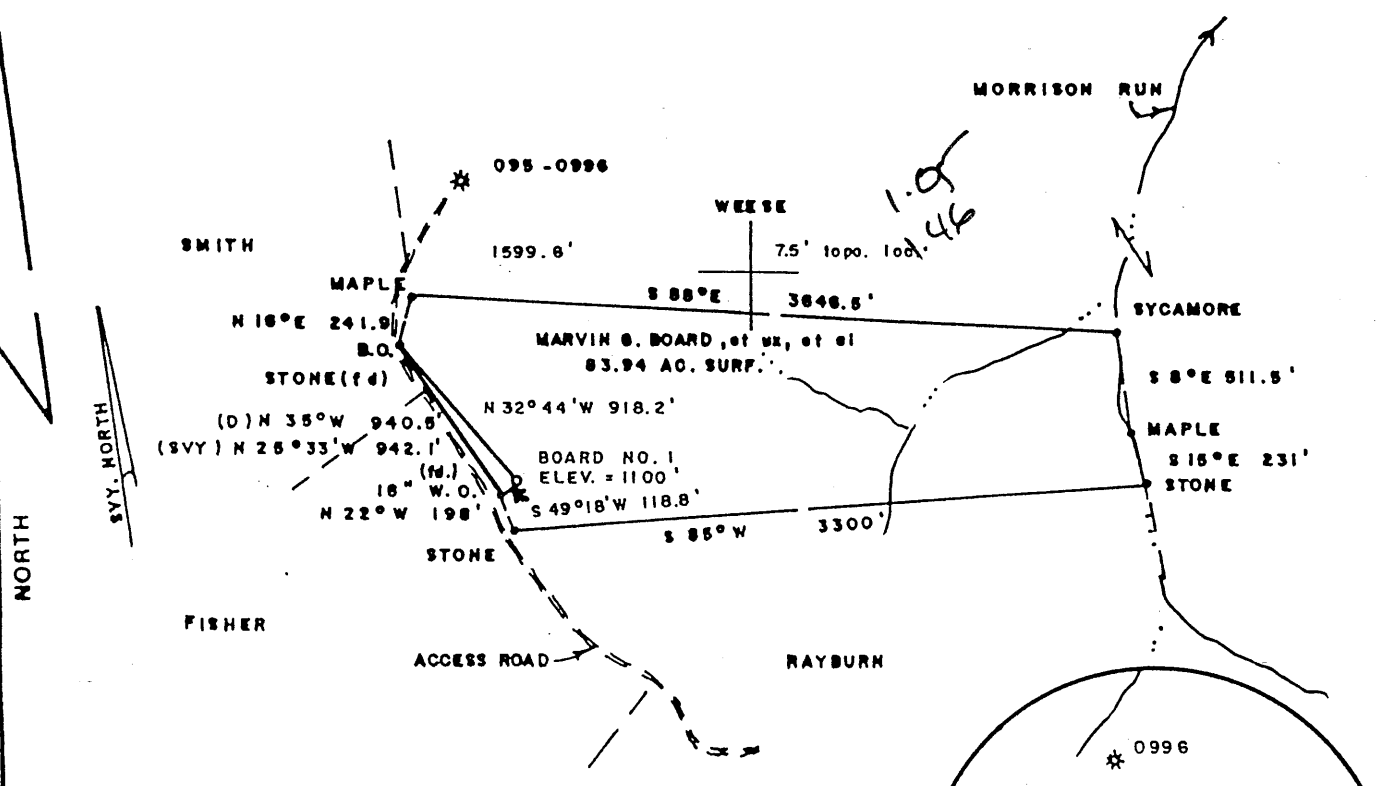


# BOARD LEASE 83.94 AC. ±

LONGITUDE 80°47'30"  
5510' S



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB SW CORNER OF LEASE ELEV. = 1125'

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 MINES.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE MAY 9 2000  
 OPERATOR'S WELL NO. BOARD NO. 1  
 API WELL NO. \_\_\_\_\_  
 47 - 095 - 01693  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1100' WATER SHED MORRISON RUN  
 DISTRICT McELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5'  
 SURFACE OWNER MARVIN G. BOARD, et ux, et al ACREAGE 83.94  
 OIL & GAS ROYALTY OWNER MARVIN G. BOARD, et ux, et al LEASE ACREAGE 83.94  
 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 GORDON/BIG INJUN 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

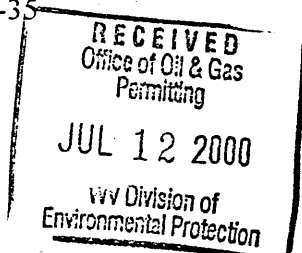
TYL 1693

MAY 19 2000

6-6 92

WR-35

API# -47-095-01693



State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Reviewed \_\_\_\_\_  
\_\_\_\_\_

Well Operator's Report of Well Work

Farm Name: Board  
Location: Elevation: 1100'  
District: McElroy  
Latitude: 5510 Feet South of  
Longitude: 7700 Feet West of

Operators Well No.: Board #1  
Quadrangle: Shirley 7.5'  
County: Tyler  
39 Deg. 25 min. 00sec.  
80 Deg. 47 min. 30sec.

Company: D.A.C.  
P.O. Box 99  
Alma WV 26320

casing tubing	used in drilling	left in well	cement fill up sks
---------------	------------------	--------------	--------------------

Agent: Kenneth Mason

Inspector: Mike Underwood	9 5/8	175	126	50 sks
Permit Issued: 05/18/00	6 5/8	2050	1955	275 sks
Well Work Commenced: 05/30/00				
Well Work Completed: 06/04/00	4 1/2	2966	2907	140 sks

Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2966'  
Fresh Water Depths (ft) N/A'  
Salt Water Depths (ft) 1595'  
Is coal being mined in area (Y/N) N  
Coal Depths (ft): N/A

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2800-2810  
Gas: Initial open flow 133 MCF/D Oil: Initial open flow 0 BBL/D  
Final open flow 1300 MCF/D Final open Flow show BBL/D  
Static Rock Pressure 410 psig (surface pressure) after 48 Hours

Second producing formation Big Injun Pay zone depth (ft) 2077-2152  
Gas: Initial open flow \* MCF/D Oil: Initial open flow 0 BBL/D  
Final open flow \* MCF/D Final open flow 0 BBL/D  
static rock pressure \* psig (surface pressure) after \* Hours

\* = commingled zones

For: D.A.C.

By: Kenneth Mason

Date: 06-20-00

TYL  
1693

AUG 04 2000

Stage	Formation	Perfs	Sand	N2
06-12-00	Board #1			
1	Gordon	2802-2810 16 holes	100 sks	168,000 scf
2	Big Injun	2080-2156 18 holes	250 sks	386,000 scf

ISIP = 1782#  
5 min = 1706#

#### Drillers Log

Formation	Top	Bottom	
Fill	0	10	
Sh	10	165	
Sd	165	200	damp 109'
Sd/Sh	200	232	
Sd	232	237	
RR	237	289	
Sd/Sh	289	1728	1/2" water @ 1750'
Sd	1728	1790	1" water @ 2020'
Sd/Sh	1790	1826	
Sd	1826	1960	
Lime	1960	1990	
Sd/Sh	1990	1992	
BL	1992	2088	
Sd/Sh	2088	2810	gas ck @ 2077 = tstm
Sd	2810	2966	
Td	2966		gas ck @ Td = 10/10 in 2" w/w

#### Electric Log Tops

Formation	Depth top
Big Lime	1990
Big Injun	2048
Berea	2520
Gordon	2800