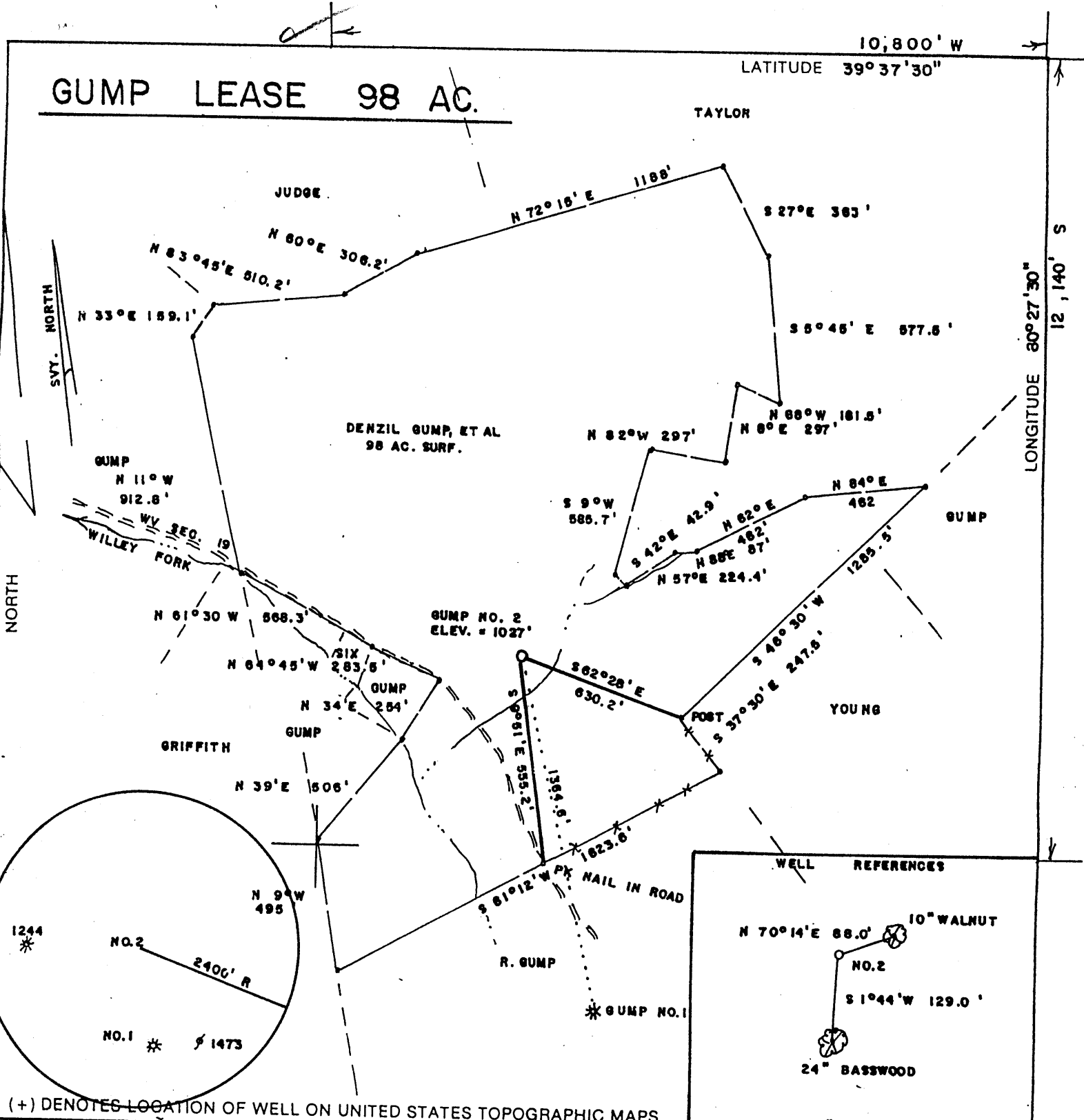


GUMP LEASE 98 AC.

10,800' W
LATITUDE 39° 37' 30"

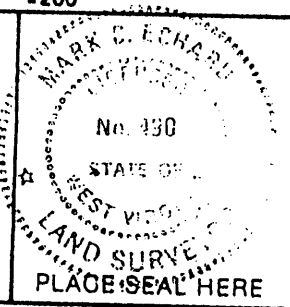
TAYLOR



(+) 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. = 961'

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 OCTOBER 1, 2003
OPERATOR'S WELL NO. NO. 2
API WELL NO. 47-103-01980
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1027' WATER SHED WILLEY FORK
DISTRICT GRANT COUNTY WETZEL
QUADRANGLE GLOVER GAP

SURFACE OWNER DENZIL GUMP, et al ACREAGE 98
OIL & GAS ROYALTY OWNER DENZIL GUMP, et al LEASE ACREAGE 98
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.G. DESIGNATED AGENT KENNETH MASON
ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV 20320 ALMA, WV 20320

COUNTY NAME WETZEL
PERMIT 1980

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

mt

Well Operator's Report of Well Work

Farm name: Gump

Operator Well No.: Gump #2

LOCATION: Elevation: 1027'

Quadrangle: Glover Gap

District: Grant

County: Wetzel

Latitude: 12,140 Feet South of

39 Deg. 37 Min. 30 Sec.

Longitude 10,800 Feet West of

80 Deg. 27 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	213	68 sks
Agent: Kenneth Mason				
Inspector: Mike Underwood	6 5/8	1360	1340	100 sks
Date Permit Issued: 10/15/2003				
Date Well Work Commenced: 11/20/03	4 1/2	3264	3049	170 sks
Date Well Work Completed: 12/05/03				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3264				
Fresh Water Depth (ft.): 1,522'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A <i>see back</i>				

OPEN FLOW DATA

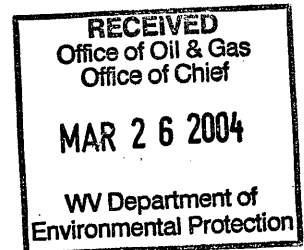
Producing formation Gordon Pay zone depth (ft) 2775-2903
 Gas: Initial open flow 158 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 220 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 475# psig (surface pressure) after 48 Hours

Second producing formation Big Injun Pay zone depth (ft) 1956-2020
 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



WET 1980

MAY 2 1 2004

Gump #21
12-09-03

Stage #1	perfs	sand	avg rate	isip
Gordon 4 th	2770-2906 15 holes	150 sks	24 bpm	2693#
Stage #2 Big Injun	1954-2020 15 holes	200 sks	28 bpm	2342#

Drillers Log

Sh	0	10
Sd/Sh	10	200
Coal	250	260
Sd/Sh	260	673
Coal	673	678
Sd/Sh	678	745
RR	745	1522
Sd/Sh	1522	1657
Sd	1657	1770
Sd/Sh	1770	1880
Lime	1880	1955
Sd	1955	2125
Sd/Sh	2125	2484
Sd	2484	2510
Sd/Sh	2733	2760
Sd	2760	2790
Sd/Sh	2790	2850
Sd	2850	2870
Sd/Sh	2879	2900
Sd	2900	2920
Sd/Sh	2920	3264
Td	3264	

Electric Log Tops

Big Lime	1872
Berea	2246
Gordon	2750

1 1/4" @ 1572'

gas ck @ 2,170 = 26 mcfs

gas ck @ 2812 = 47 mcfs

gas ck @ TD = 158 mcfs