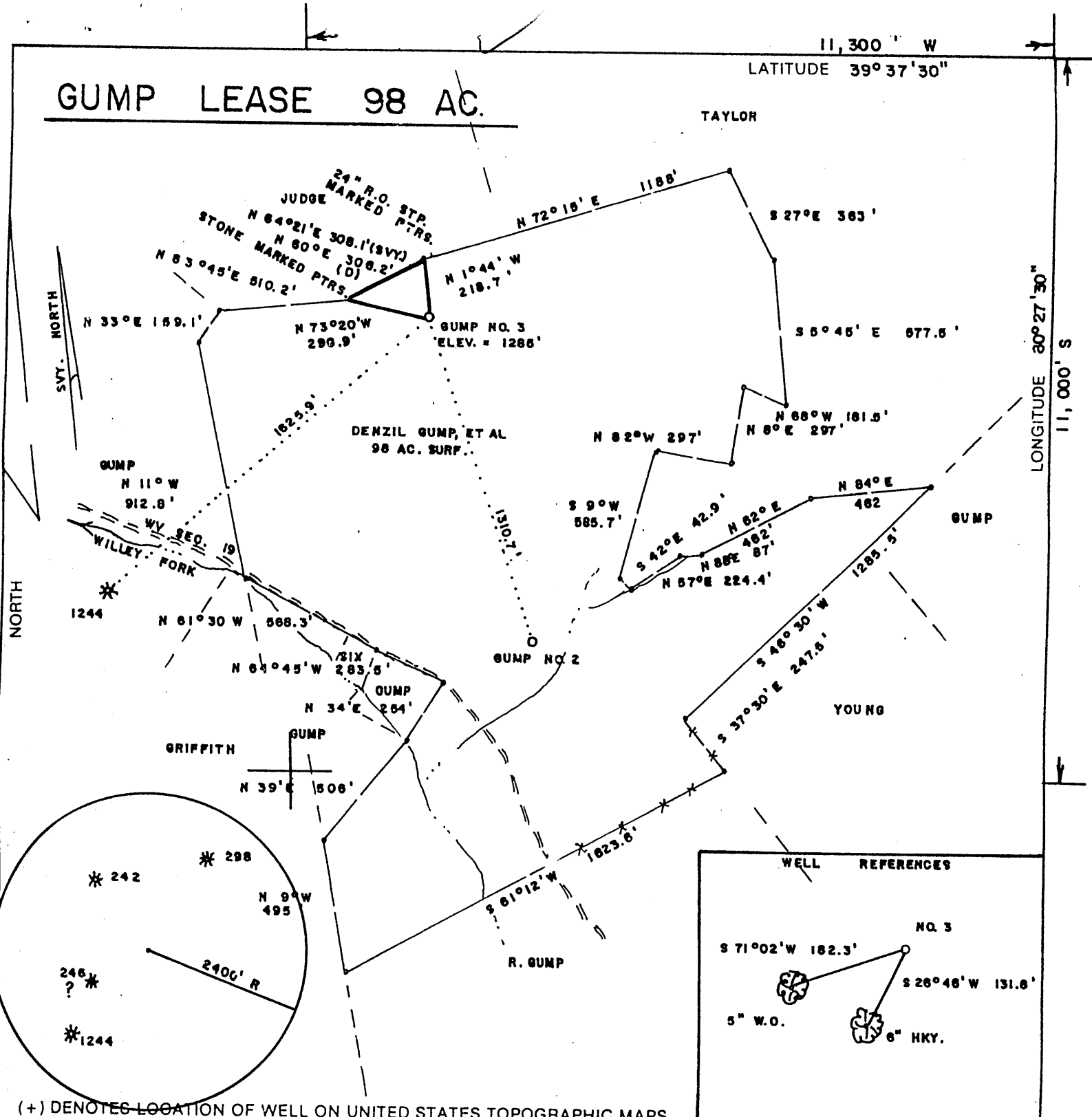


GUMP LEASE 98 AC.

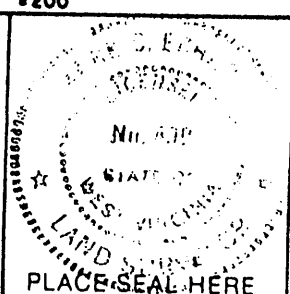
11,300' W
LATITUDE 39° 37' 30"



(+) 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. = 951'

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. Echord
R.P.E. _____ L.L.S. 490



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

DATE OCTOBE 16, 2003
OPERATOR'S WELL NO. NO. 3
API WELL NO. 47-103-02013
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1285' WATERSHED 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. 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 2013

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 #3

LOCATION: Elevation: 1285'

Quadrangle: Glover Gap

District: Grant

County: Wetzel

Latitude: 11,000 Feet South of

39 Deg. 37 Min. 30 Sec.

Longitude 11,300 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	1625	1599	100 sks
Date Permit Issued: 11/12/2003				
Date Well Work Commenced: 12/08/03	4 1/2	3506	3429	170 sks
Date Well Work Completed: 12/13/03				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3506				
Fresh Water Depth (ft.): 1,330'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

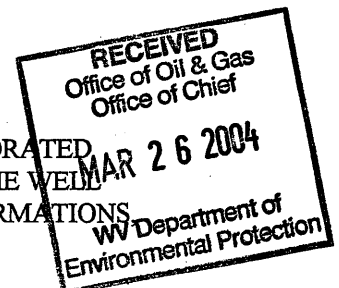
Producing formation Gordon Pay zone depth (ft) 2985-3133
 Gas: Initial open 56mcfs MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 160 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 475# psig (surface pressure) after 48 Hours

Second producing formation 4th/5th Sd Pay zone depth (ft) 3208-3304
 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



MET 2013

MAY 21 2004

Gump #3
12-23-03

Stage #1	perfs	sand	avg rate	isip
Gordon 4 th	2807-3287 15 holes	250 sks	28 bpm	2364#

Drillers Log

Sh	0	11
Sd/Sh	11	325
RR	325	335
Sd/Sh	335	930
RR	930	1113
Sd/Sh	1113	1395
Sd	1395	1566
Sd/Sh	1566	1600
Sh	1600	2130
Lime	2130	2210
Sd	2210	2390
Sd/Sh	2390	2505
Sd	2505	2520
Sd/Sh	2520	2963
Sd	2963	2998
Sd/Sh	2998	3022
Sd	3022	3506
Td	3506	

Electric Log Tops

Big Lime	2186
Berea	2510
Gordon	2952

damp @ 1330'

gas ck @ 3,116 = 79 mcfs
gas ck @ 3506 = 51 mcfs
gas ck @ collars = 47 mcfs