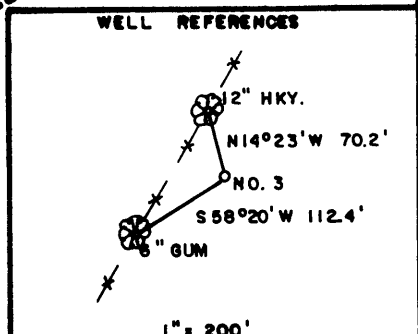
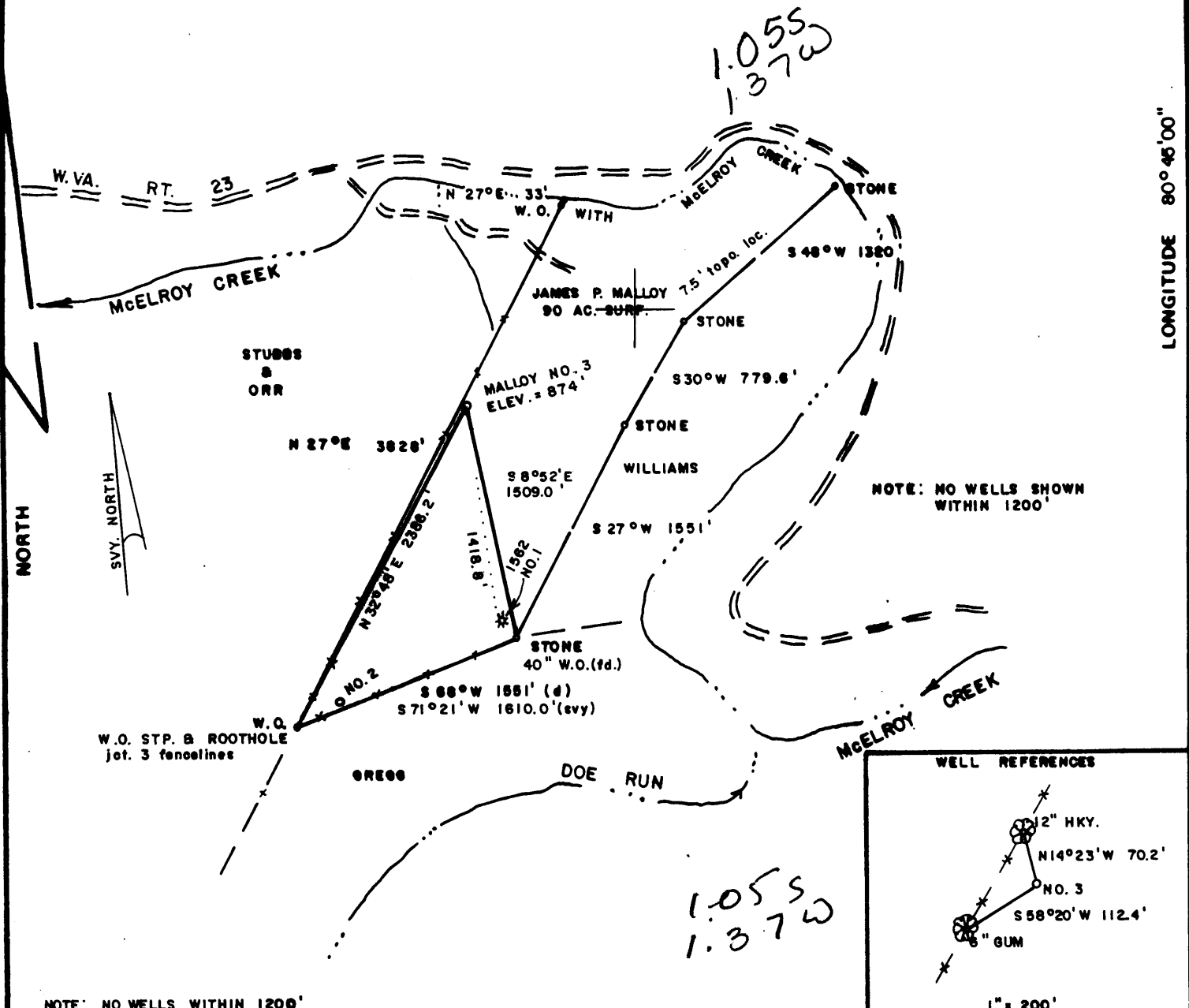


**MALLOY LEASE 90 AC. ±**

LATITUDE 39°25'00"

LONGITUDE 80°46'00" 5510' S



FILE NO. \_\_\_\_\_

DRAWING NO. \_\_\_\_\_

SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION B.M. NORTH OF \_\_\_\_\_

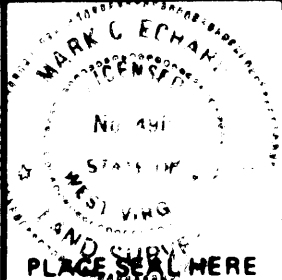
LOC. ELEV. = 737'

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



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

FORM IV-6 (8-78)



DATE OCTOBER 6, 19 94

OPERATOR'S WELL NO. MALLOY NO. 3

API WELL NO. 47 - 095 - 1624

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 874' WATER SHED McELROY CREEK

DISTRICT McELROY COUNTY TYLER

QUADRANGLE SHIRLEY 7.5' W U E

SURFACE OWNER JAMES P. MALLOY ACREAGE 90

OIL & GAS ROYALTY OWNER JAMES P. MALLOY, ET AL LEASE ACREAGE 90

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 ESTIMATED DEPTH 2900'

WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON

ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99

ALMA, W.VA. 26320 ALMA, W.VA. 26320

6-6 92 1994

NOV 29 1994

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

Permitting  
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: MALLOY, JAMES P.

Operator Well No.: MALLOY #3

LOCATION: Elevation: 874.00      Quadrangle: SHIRLEY

District: MCELROY      County: TYLER  
 Latitude: 5510 Feet South of 39 Deg. 25Min. 0 Sec.  
 Longitude 7280 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP  
 P. O. BOX 99  
 ALMA, WV 26320-0099

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9-5/8	129	129	55
6-5/8	1738	1738	300

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD  
 Permit Issued: 10/21/94  
 Well work Commenced: 10/28/94  
 Well work Completed: 10/31/94  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_  
 Rotary  Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 1981  
 Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) 1485

Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): \_\_\_\_\_

OPEN FLOW DATA

Producing formation Big Injun      Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow 2.4 MCF/d      Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 2.1 MCF/d      Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 225 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_      Pay zone depth (ft) \_\_\_\_\_  
 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

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.

For: DRILLING APPALACHIAN CORP.

By: Kenneth R. Mason  
 Date: 11-9-94

Well was completed as a natural producer, therefore no production casing was ran at this time.

Drillers Log

clay	0	15	
sand	15	185	H2O 1" @ 44'
sh/rr	185	234	
sd	234	243	
sh	243	320	
sd	320	395	
sh	395	832	
coal	832	836	
sd/sh	836	1360	
rr	1360	1477	
sd/sh	1477	1632	
rr	1632	1637	
sd	1637	1672	soaping @ 1617'
sh	1672	1692	
lime	1692	1701	
sh	1701	1725	
lime	1725	1744	
sh	1744	1756	
Big Lime	1756	1825	
sd	1825	1890	gas ck @ 1840' 52/10-2" Hg
sh	1890	1981	gas ck @ 1871 30/10-7" Hg
Td	1981		

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

19893

Well Operator: Drilling Appalachian Corporation 14425 (S) 607

Operator's Well Number: Malloy #3 3) Elevation: 874'

Well type: (a) Oil  / or Gas  /

(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /

1) Proposed Target Formation(s): Gordon 49

6) Proposed Total Depth: 2,900' feet

7) Approximate fresh water strata depths: \_\_\_\_\_

8) Approximate salt water depths: \_\_\_\_\_

9) Approximate coal seam depths: \_\_\_\_\_

10) Does land contain coal seams tributary to active mine? Yes  / No  /

11) Proposed Well Work: Drill, perforate, stimulate new formation

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	9-5/8"			120'	120'	38CSR11.3 CTS (ok mtd)
Fresh Water						
Coal						
Intermediate	7"	J-55	17#	1,825'	1,825'	38CSR18-11.2.2
Production	4-1/2"	J-55	10.5#	2,700'	2,700'	38CSR18-11.1
Tubing						
Liners						

RECEIVED  
WV Division of  
Environmental Protection

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_  
OCT 12 1994

For Division of Oil and Gas Use Only

Permitting  
Office of Oil & Gas

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
Plat  WW-9  WW-2B  Bond Blanket Agent \_\_\_\_\_  
(Type)

Page 1 of 5  
Form WW2-A  
(09/87)  
File Copy

1) Date: October 7, 1994  
2) Operator's well number  
Malloy #3  
3) API Well No: 47 - 095 - 1624  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Mr. James P. Malloy  
Address HC 74, Box 123  
Alma, WV 26320  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Mr. Mike Underwood  
Address Rte. 2, Box 135  
Salem, WV 26426  
Telephone (304) - 782-1043

5) (a) Coal Operator:  
Name n/a  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**RECEIVED**  
WV Division of  
Environmental Protection  
OCT 12 1994

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT: **Permitting Office of Oil & Gas**

\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

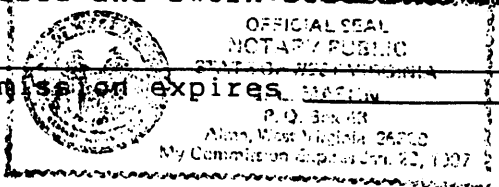
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties, by:  
\_\_\_ Personal Service (Affidavit attached)  
\_\_\_ Certified Mail (Postmarked postal receipt attached)  
\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.  
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator DRILLING APPALACHIAN CORPORATION 14425  
By: Kenneth R. Williams  
Its: President  
Address P. O. Box 99  
Alma, WV 26320-0099  
Telephone 304-758-4638

Subscribed and sworn before me this 7th day of Oct., 19 94



My commission expires 1-20-97 Notary Public