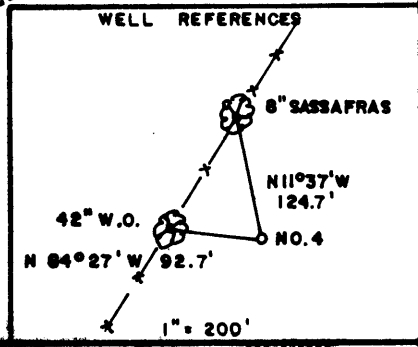
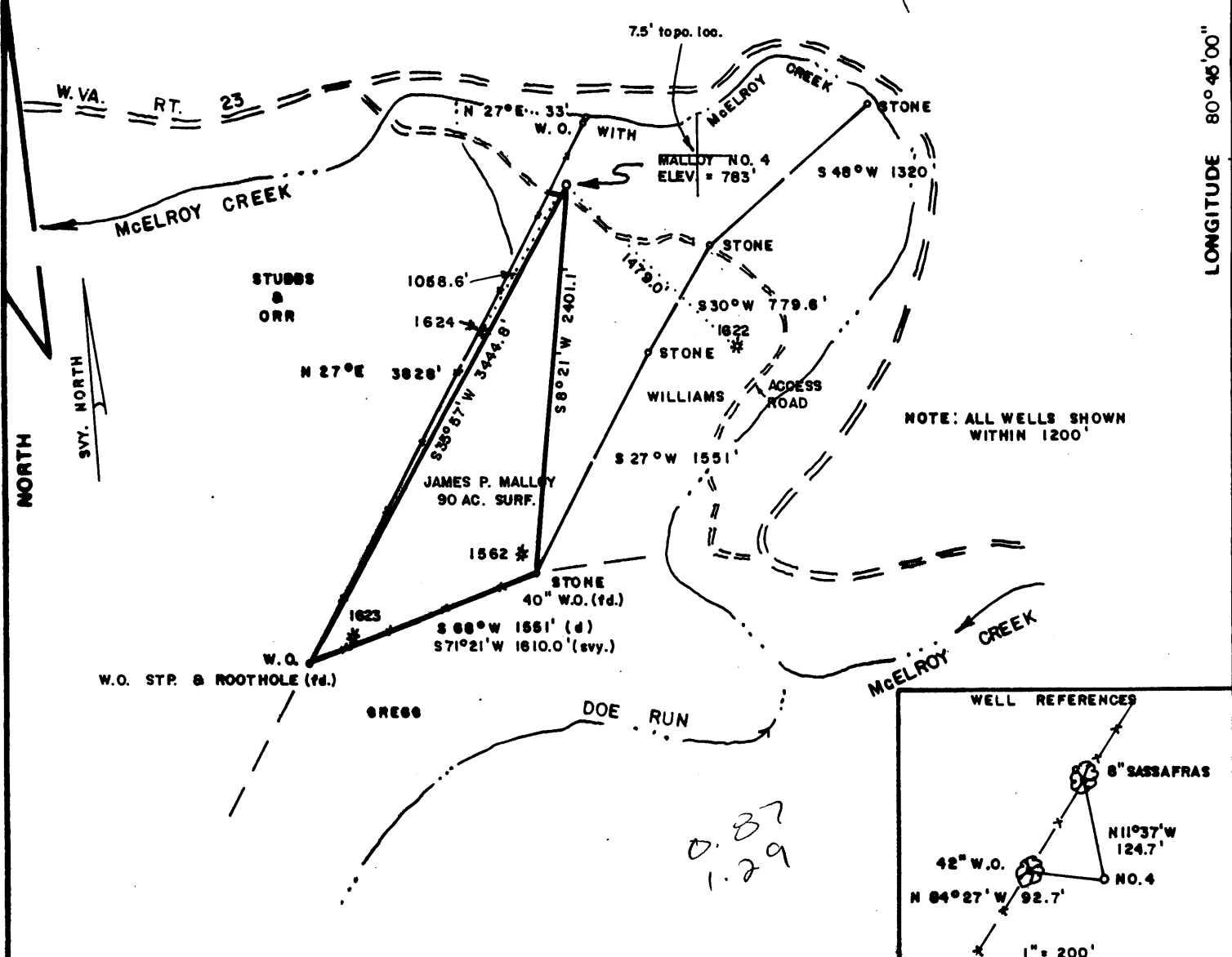


# MALLOY LEASE 90 AC. ±

LATITUDE 39°25'00"

LONGITUDE 80°46'00"

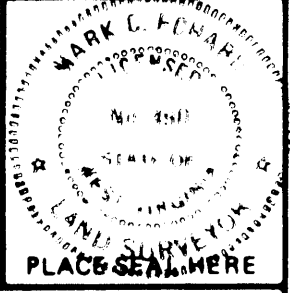


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. NORTH OF \_\_\_\_\_  
 LOC. ELEV. = 737'

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 JULY 27, 19 95  
 OPERATOR'S WELL NO. MALLOY NO. 4  
 API WELL NO. \_\_\_\_\_  
 47 - 095 - 01640  
 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 783' WATER SHED McELROY CREEK  
 DISTRICT McELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' *Williamson* *et*

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 ALMA, W.VA. 26320 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320

6-6-92

**NOV 17 1995**

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  
Location: Elevation: 783.00  
District: McElroy  
Latitude: 4600 Feet South of  
Longitude: 6790 Feet West of

Operators Well No.: Malloy #4  
Quadrangle: Shirley  
County: Tyler  
39 Deg. 25min. 0sec.  
80 Deg. 45 min. 00 sec.

Company: Drilling Appalachian Corp  
P. O. Box 99  
Alma, WV 26320

Agent: Kenneth Mason

casing tubing	used in drilling	left in well	cement fill up sks
9 5/8	149	149	60
6 5/8	1646	1646	270

Inspector: Mike Underwood  
Permit Issued: 09//14/95  
Well Work Commenced: 10/02/95  
Well Work Completed: 10/07/95  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2061'  
Fresh Water Depths (ft) 203'  
Salt Water Depths (ft) 0  
Is coal being mined in area (Y/N) N  
Coal Depths (ft): none

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1750-1920'  
Gas: Initial open flow 762 MCF/D Oil: Initial open flow 0 BBL/D  
Final open flow 762 MCF/D Final open Flow 0 BBL/D  
Static Rock Pressure not taken psig (surface pressure) after \* 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  
static rock pressure \* psig (surface pressure) after \* Hours

For: Drilling Appalachian Corp.

*Kenneth R. Mason*

By:

Date: 10-09-95

NOV 17 1995

Well will be produced as a natural, therefore casing was not ran nor was any stimulation was used at the present time

### Drillers Log

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	
Fill	0	10	
sd	10	30	
rr	30	100	
sd	100	360	1/2" h20 @ 203'
sh	360	376	
sd	376	427	
coal	427	431	
sd/sh	431	1046	
sd	1046	1090	
coal	1090	1095	
sd	1095	1150	
rr	1150	1160	
sd/sh	1160	1636	
lime	1636	1646	gas @ 1778' 133 mcf
sh	1646	1667	gas @ 1804' 133 mcf
lime	1667	1725	gas @ 1840' 696 mcf
sand	1725	1903	gas @ 1871' 762 mcf
sh	1933	td	
TD	2061		

STATE OF WEST VIRGINIA  
Permitting DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
Office of Oil & Gas WELL WORK PERMIT APPLICATION

095 1640

- 1) Well Operator: <sup>0311</sup> DRILLING APPALACHIAN CORPORATION 14425 (5) 607
- 2) Operator's Well Number: MALLOY #4 3) Elevation: 783'
- 4) Well type: (a) Oil X/ or Gas X/  
(b) If Gas: Production X/ Undergound Storage     /  
Deep     / Shallow X/
- 5) Proposed Target Formation(s): GORDON 419
- 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 X/
- 11) Proposed Well Work: DRILL, PERFORATE, STIMULATE NEW FORMATION
- 12) \_\_\_\_\_

Issued 09/14/95  
Expires 09/14/97

CASING AND TUBING PROGRAM

*Handwritten signature*

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'	55 sacks-class A
Fresh Water						
Coal						
Intermediate	7"	J-55	17#	1725'	1725'	38CSR18-11.2.2
Production	4 1/2"	J-55	10.5#	2600'	2600'	38CSR18-11.2.2
Tubing						
Liners						

*Handwritten notes:* 38CSR18-11.3, 38CSR18-11.2.2, O.K. Mike

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

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

10894

21172

**RECEIVED**  
WV Division of  
Environmental Protection

SEP 14 1995

- 1) Date: September 6, 1995
- 2) Operator's well number Malloy #4
- 3) API Well No: 47 - 095 - 1640  
State - County - Permit

Permitting  
Office of Oil & Gas

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 \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_ 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. Mason*  
 Its: President  
 Address PO Box 99  
Alma, WV 26320-0099  
 Telephone 304-758-4638

Subscribed and sworn before me this 6th day of September, 19 95

*Betty Fletcher*  
My commission expires February 13, 2001

