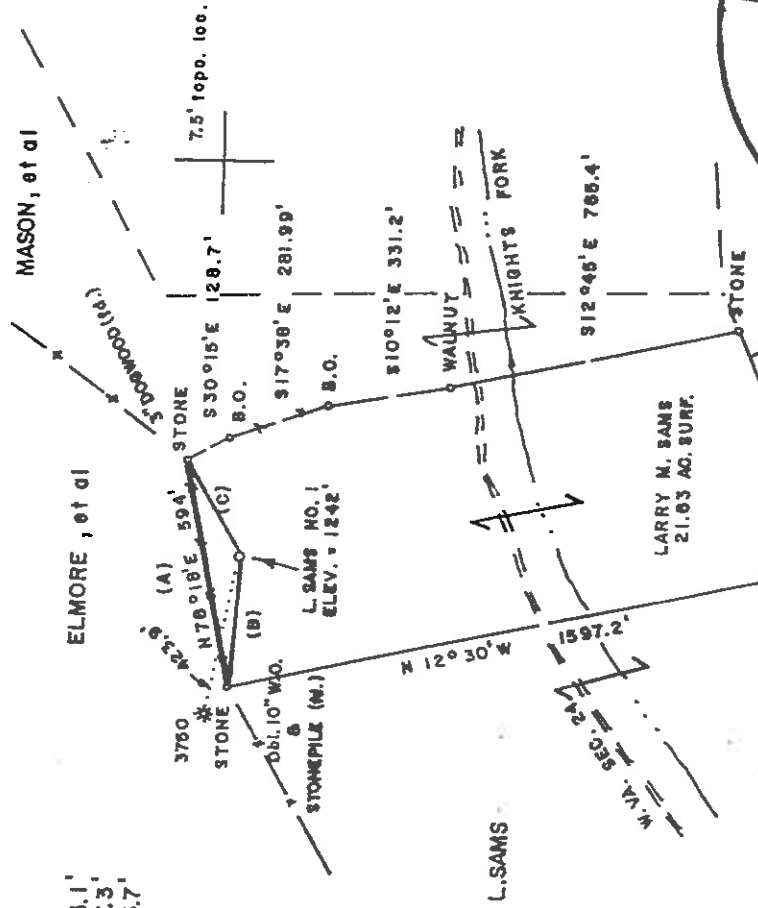


✓ *rd*

# LARRY SAMS LEASE 21.63 AC. ±

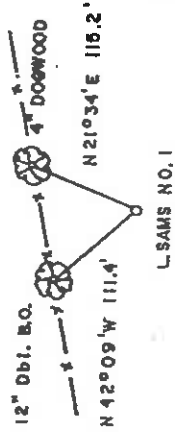
### WELL TIES

- (A) N 78°16'E 593.1'
- (B) N 86°30'W 347.3'
- (C) N 58°49'E 273.7'



NORTH

### WELL REFERENCES



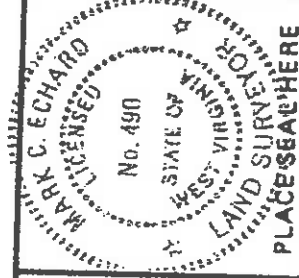
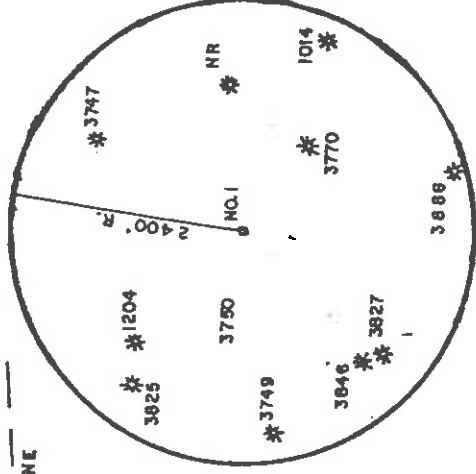
L-SAMS NO. 1

1" = 200'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
 NW OF LEASE ELEV. = 1307'

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

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



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 1242' WATER SHED KNIGHTS FORK  
 DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER LARRY M. SAMS ACREAGE 21.63  
 OIL & GAS ROYALTY OWNER SCOTT HRS. et al LEASE ACREAGE 21.63  
 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 BIG INJUN ESTIMATED DEPTH 2500'  
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON  
 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320  
 ALMA, W.VA. 26320

(Wilbur-92) 1-6

LATITUDE 39° 22' 30"

4380' W

LONGITUDE 80° 45' 00"

4500' S

DATE OCTOBER 24, 2003  
 OPERATOR'S WELL NO. L. SAMS NO. 1  
 API WELL NO. \_\_\_\_\_

47-017 4219-Frac  
 STATE COUNTY PERMIT

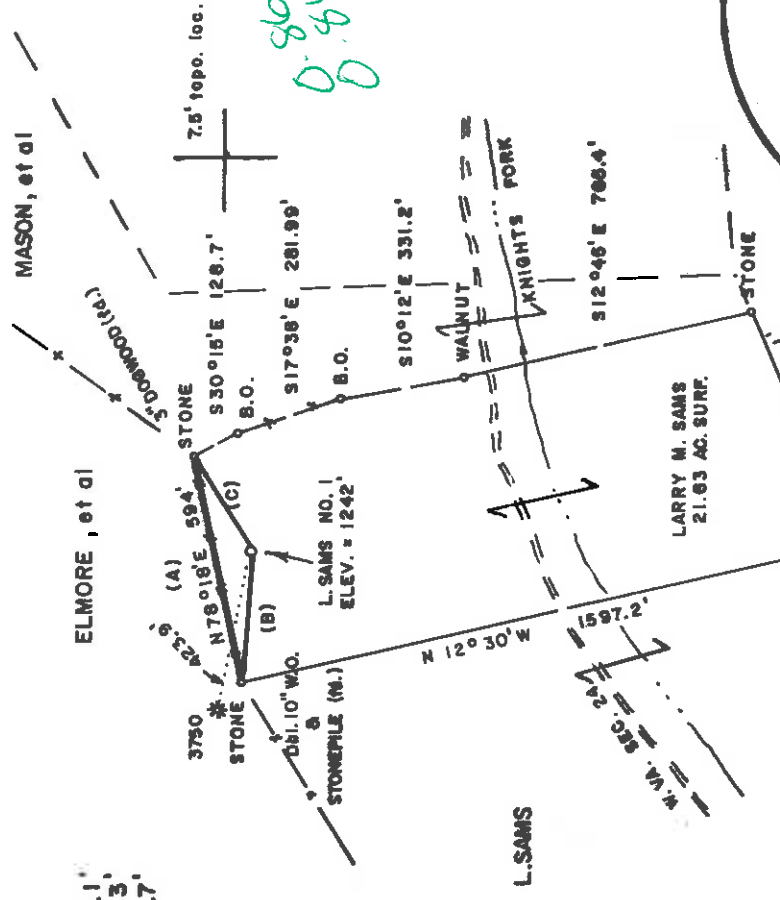
DODD 4219F

# LARRY SAMS LEASE 21.63 AC. ±

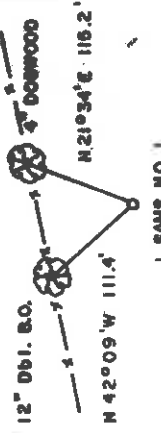
*Janice 9/20/95*

### WELL TIES

- (A) N 78°18'E 593.1'
- (B) N 86°30'W 347.3'
- (C) N 58°49'E 273.7'

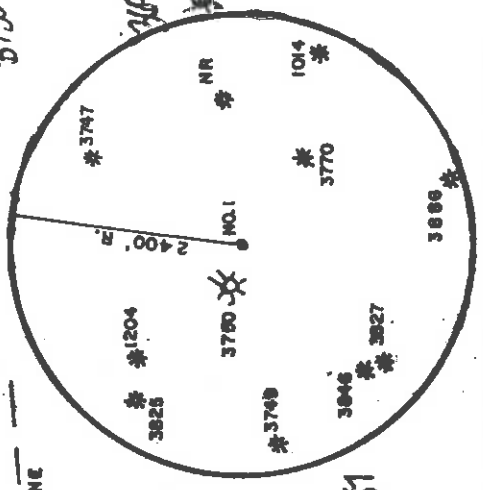


### WELL REFERENCES



1" = 200'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
 NW OF LEASE ELEV. = 1307'



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. Echarde*  
 (SIGNED) MARK C. ECHARDE  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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

FORM IV-6 (8-78)



DATE JUNE 20, 1995  
 OPERATOR'S WELL NO. L. SAMS NO. 1  
 API WELL NO. \_\_\_\_\_

47 - 017 - 04219  
 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 1242' WATER SHED KNIGHTS FORK  
 DISTRICT GRANT COUNTY DODD BRIDGE  
 QUADRANGLE WEST UNION 7.5 ACREAGE 21.63  
 SURFACE OWNER LARRY M. SAMS  
 OIL & GAS ROYALTY OWNER SCOTT HRS. et al LEASE ACREAGE 21.63

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) 6692

PLUG AND ABANDON ✓ CLEAN OUT AND REPLUG ✓  
 TARGET FORMATION BIG IN JUN ESTIMATED DEPTH 2500'  
 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



JUL-30-2007 MON 03:31 PM DAC

FAX NO, 3047562433

P. 06

WR-35  
Rev (5-01)

DATE: 07-30-07  
API #: 47-017-042:9Frac

1704219 F

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

Well Operator's Report of Well Work

Farm name: Sams, Larry M.  
LOCATION: Elevation: 1,242'

Operator Well No.: Sams #1  
Quadrangle: West Union

District: Center  
Latitude: 4,500' Feet South of  
Longitude 4,380' Feet West of

County: Wetzel  
39 Deg. 22 Min. 30 Sec.  
80 Deg. 45 Min. 00 Sec.

Company: Drilling Appalachian Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 99 Alma WV 26320	9 5/8	120'	120'	100'
Agent: Kenneth Mason				
Inspector: Mike Underwood	6 5/8	2119'	2119'	343 sks
Date Permit Issued: 10/28/2003 (Fracture*)				
Date Well Work Commenced: 10/16/03	4 1/2	2440'	2425'	170 sks
Date Well Work Completed: 10/20/03				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rlg				
Total Depth (feet): 2440'				
Fresh Water Depth (ft.): 345'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 613'-615'				

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 2340'  
 Gas: Initial open 353 MCF/d Oil: Initial open flow Bbl/d  
 Final open flow 353 MCF/d Final open flow Bbl/d  
 Time of open flow between initial and final tests 16 Hours  
 Static rock Pressure 85# psig (surface pressure) after 16 Hours  
 Second producing formation ----- Pay zone depth (ft) -----  
 Gas: Initial open flow show 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: \_\_\_\_\_  
By: Dennis P. Plum  
Date: July 30, 2007

Drilling Appalachian Corporation

1025-8-938

SEP 15 2007

0000 4219 F

Sams #1  
07-30-07  
47-017-04219 FRAC

Stage #1	perfs	sand	avg rate	isip
Big Injun	2251'-2316'	227 sks	16.28 bpm	1554#

Drillers Log

Fill	0	20
Sd	20	70
R/R	70	72
Sd/Sh	72	613
Coal	613	615
Sd	615	752
Sh	752	791
Sd	791	825
R/R	825	894
Sd/Sh	894	2115
Lime	2115	2128
Sh	2128	2149
Lime	2149	2245
Sd	2245	2467
Td	2467	

Electric Log Tops

Big Lime	2060'
Berea	2342'

Damp @ 345'

**RECEIVED**  
WV Division of  
Environmental Protection

NOV 17 1995

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

Permitting  
Office of Oil & Gas  
Farm name: Sams, Larry M.      Well Operator's Report of Well Work  
Operator Well No.: Sams #1

LOCATION: Elevation: 1,242.00      Quadrangle: WEST UNION      County: DODDRIDGE  
District: GRANT      Feet South of 39 Deg. 22Min. 30 Sec.  
Latitude: 4500      Feet West of 80 Deg. 45 Min. 0 Sec.  
Longitude 4380

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

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/20/95  
Well work Commenced: 09/25/95  
Well work Completed: 10/02/95  
Verbal Plugging  
Permission granted on: \_\_\_\_\_ Rig  
Rotary x Cable \_\_\_\_\_  
Total Depth (feet) 2,467'  
Fresh water depths (ft) 345'  
Salt water depths (ft) 0

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): none

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8	120	120	100
9 5/8	2119	2119	340

Producing formation Big Injun      Pay zone depth (ft) 2340  
Gas: Initial open flow 353 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 353 MCF/d      Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 85# psig (surface pressure) after 16 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: *Rimett R. Mason*

Date: 10/03/95

NOV 21 1995

Well is completed as a natural, therefore no casing or stimulation is required at this date

Drillers Log			Gas Checks
Formation	Top	Bottom	Depth
Fill	0	20	2274' @ 60 mcf
Sd	20	70	2310' @ 60 mcf
R/R	70	72	2340' @ 353 mcf
Sd/Sh	72	613	2372' @ 353 mcf
Coal	613	615	Td @ 315 mcf
Sd	615	752	
Sh	752	791	
Sd	791	825	
R/R	825	894	
Sd/Sh	894	2115	
Lime	2115	2128	
Sh	2128	2149	
Lime	2149	2245	
Sd	2245	2467	
Td.	2467		

SEP 18 1995

017-04219

FORM WW-2B

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

Page 3 of 5  
Issued 09/20/95  
Expired 09/20/97

0311

14425 (3) 671

1) Well Operator: DRILLING APPALACHIAN CORPORATION

2) Operator's Well Number: SAMS #1

3) Elevation: 1242'

4) Well type: (a) Oil  / or Gas

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

5) Proposed Target Formation(s): BIG INJUN (37)

6) Proposed Total Depth: 2,500' 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'	38CSR18-11.3 CTS	
Fresh Water						<i>o.k.</i>	
Coal						<i>mbw</i>	
Intermediate	7"	J-55	17#	2,200'	2,200'	38CSR18-11.2.2	
Production	4-1/2"	J-55	10.5#	2,400'	2,400'	38CSR18-11.1	
Tubing							
Liners							

PACKERS : Kind \_\_\_\_\_

Sizes \_\_\_\_\_

Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

WPCP

Reclamation Fund

Bond

Well Work Permit

Fee(s) paid:

plat

WW-9

WW-2B

Agent

(type)



**RECEIVED**  
WV Division of  
Environmental Protection

**ORIGINAL**

Page 1 of 5  
Form WV2-A  
(09/87)  
File Copy

September 13 1995  
Permitting  
Office of Oil & Gas

1) Date: September 6, 1995  
2) Operator's well number SAMS #1  
3) API Well No: 47 - 017 - 04219  
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 Larry M. Sams 5) (a) Coal Operator: n/a  
 Address Rt 3, Box 338 Address \_\_\_\_\_  
Parkersburg, WV 26101

(b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
 Address \_\_\_\_\_ Address \_\_\_\_\_

(c) Name \_\_\_\_\_ Name \_\_\_\_\_  
 Address \_\_\_\_\_ Address \_\_\_\_\_

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

6) Inspector Mike Underwood  
 Address Rte 2, Box 135  
Salem, WV 26426  
 Telephone (304) - 782-1043

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 5 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.



OFFICIAL SEAL  
 Notary Public, State of West Virginia  
**BETTY FLETCHER**  
 P.O. Box 11  
 Alma, WV 26320

My commission expires February 13, 2001

Subscribed and sworn before me this 11th day of Sept, 1995

Telephone 304/758-4638

My commission expires February 13, 2001 Notary Public