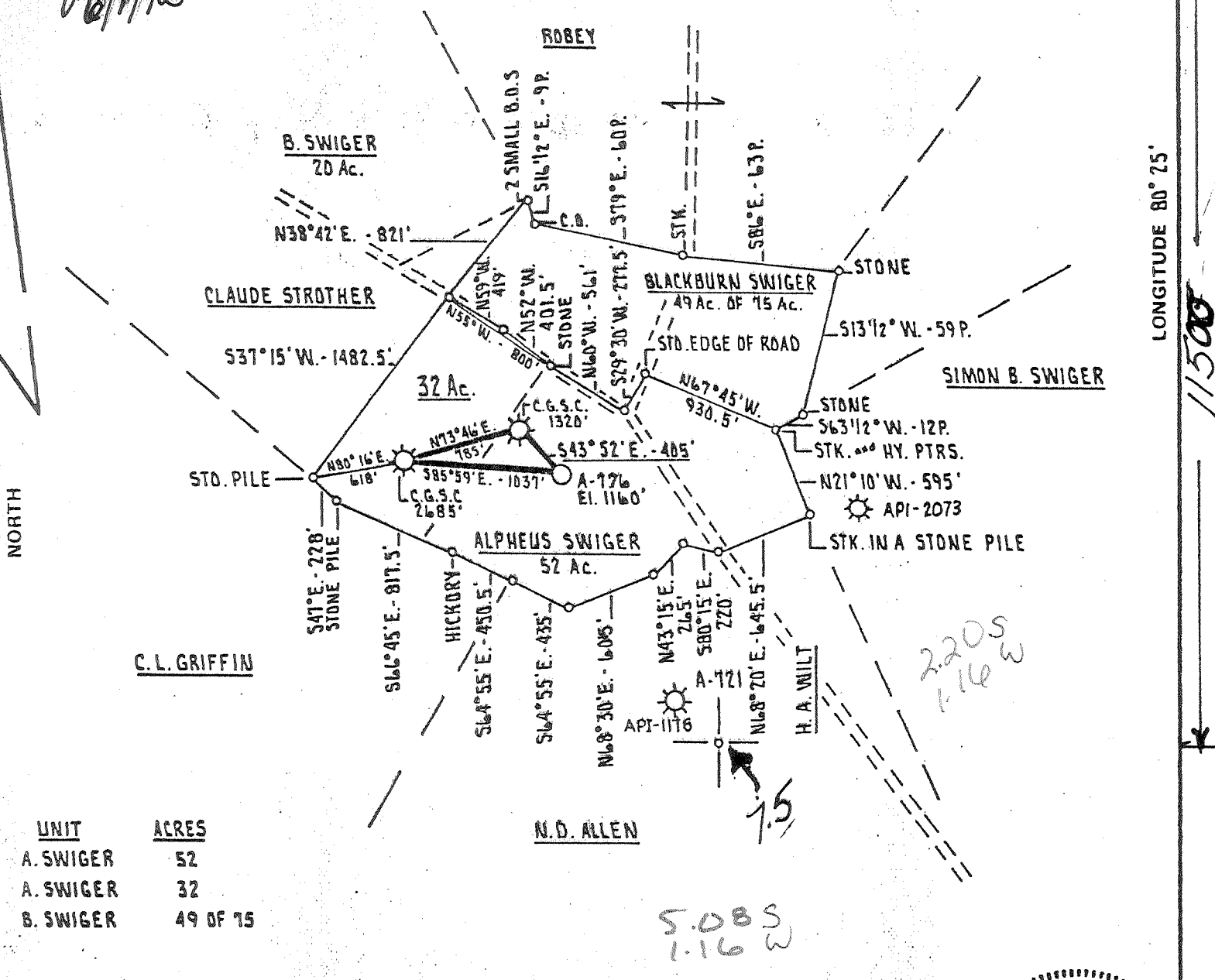


*Jamie*  
6/11/92

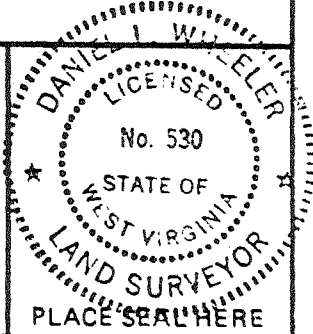


UNIT	ACRES
A. SWIGER	52
A. SWIGER	32
B. SWIGER	49 OF 75

S.O.B.S  
1.16 W

FILE NO. 305  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION C.G.S.C. WELL # 1320  
ELEVATION 1089'

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.  
 (SIGNED) *Daniel L. Wheeler*  
 R.P.E. \_\_\_\_\_ L.L.S. 530



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



DATE SEPTEMBER 13<sup>th</sup>, 19 79  
 OPERATOR'S WELL NO. A-776  
 API WELL NO. 47-033-2207-F  
 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 1160' WATER SHED TENMILE CREEK  
 DISTRICT SARDIS 7 COUNTY HARRISON  
 QUADRANGLE WOLF SUMMIT 7.5'  
 SURFACE OWNER CARRDLE ALLEN ACREAGE 52 Ac.  
 OIL & GAS ROYALTY OWNER GORE CORPORATION, ET AL. LEASE ACREAGE 52 Ac.  
 LEASE NO. 17923  
 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 BENSON ESTIMATED DEPTH 3700'  
 WELL OPERATOR ALLEGHENY LAND MINERAL CO. DESIGNATED AGENT MARLY PERRI  
 ADDRESS SCHROATH BUILDING - P.D. BOX 1740 ADDRESS SCHROATH BUILDING - P.D. BOX 1740  
CLARKSBURG, WEST VIRGINIA 26301 CLARKSBURG, WEST VIRGINIA 26301

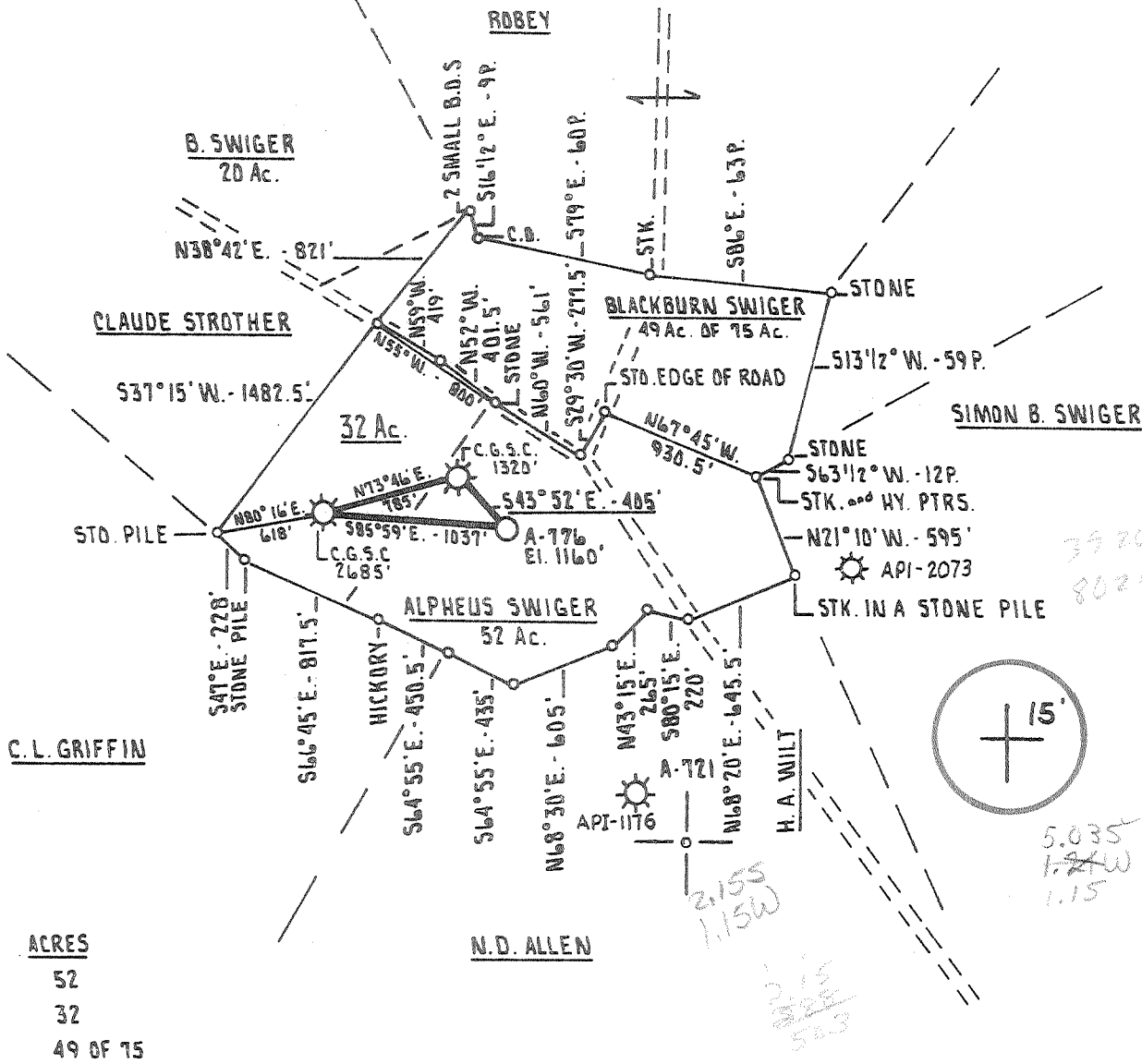
02W20 6-6 Brown - Lumberport (104)

JUN 10 1992

LATITUDE 39° 22' 30"  
(15') 39° 25'

LONGITUDE 80° 25'

NORTH



39 20 35  
80 26 20

5.035  
1.24W  
1.15

2,155  
1,15W

UNIT	ACRES
A. SWIGER	52
A. SWIGER	32
B. SWIGER	49 OF 75

FILE NO. 305  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
PROVEN SOURCE OF ELEVATION C.G.S.C. WELL # 1320  
ELEVATION 1089'

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.  
(SIGNED) *Samuel S. Thomas*  
R.P.E. \_\_\_\_\_ L.L.S. 530

PLACE SEAL HERE

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



DATE SEPTEMBER 13<sup>th</sup>, 19 79  
OPERATOR'S WELL NO. A-176  
API WELL NO. 47 - 033 - 2207  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1160' WATER SHED TENMILE CREEK  
DISTRICT SARDIS COUNTY HARRISON  
QUADRANGLE WOLF SUMMIT 7.5' (CLARKSBURG 15')  
SURFACE OWNER CARRDILL ALLEN ACREAGE 52 Ac.  
OIL & GAS ROYALTY OWNER GORE CORPORATION, ET. AL. LEASE ACREAGE 52 Ac.  
LEASE NO. 17923  
PROPOSED WORK: DRILL X 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 BENSON ESTIMATED DEPTH 3700' OCT 22 1979  
WELL OPERATOR ALLEGHENY LAND and MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND and MINERAL CO.  
ADDRESS SCHROATH BUILDING - P.D. BOX 1740 ADDRESS SCHROATH BUILDING - P.D. BOX 1740  
CLARKSBURG, WEST VIRGINIA 26301 CLARKSBURG, WEST VIRGINIA 26301

6-6 BROWN - LUMBERPORT 104

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

Reviewed TMG  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

**RECEIVED**  
Office of Oil & Gas  
JUL 15 92  
WV Division of  
Environmental Protection

Allen, Carol C.

Operator Well No.: A 776 SWIGER

LOCATION: Elevation: 1160.00 Quadrangle: WOLF SUMMIT

District: SARDIS County: HARRISON  
Latitude: 11500 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 6220 Feet West of 80 Deg. 25 Min. 0 Sec.

Company: ALAMCO, INC.  
200 W. MAIN ST., P.O. BOX 1740  
CLARKSBURG, WV 26302-1740

Agent: MARTY L. PERRI

Inspector: TIM BENNETT  
Permit Issued: 06/03/92  
Well work Commenced: 6/10/92  
Well work Completed: 6/24/92  
Verbal Plugging \_\_\_\_\_  
Permission granted on: -  
Rotary N/A Cable N/A Rig \_\_\_\_\_  
Total Depth (feet) 3672'  
Fresh water depths (ft) 36', 140' & 552'  
Salt water depths (ft) 1305'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	230'	230'	To Surface
8 5/8"	1119'	1119'	To Surface
4 1/2"	3661'	2644'	To 1500'

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 212'-221'

OPEN FLOW DATA No Test

Producing formation Big Injun, 50-ft., 30-ft., Gordon, 4th & 5th Sands Pay zone depth (ft) 1678'-2488'  
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

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.

JUL 21 1992

For: ALAMCO, INC.

By: [Signature] Richard R. Hoffman  
Date: \_\_\_\_\_

A-776

1. Set solid CIBP @ 3300' KB. Dumped 1 dump bailer of Cal-Seal on top of solid plug.
2. Loaded hole with 52.5 BBLs 40# frac gel.
3. Ran GR-CCL-CTL from 3160' KB to 2910' KB,. Cement top at 3106' KB.
4. Cut 4-1/2" Csg. @ 3010' KB. Circulated hole with 40# frac gel. Pulled casing out of hole.
5. Ran new 4-1/2" casing and set at 2644' KB.
6. Cemented casing with 250 sks 50/50 Pozmix 2% gel, 18% salt = 327.5 cu. ft.

06/18/92

1. Ran GR-CCL from 2598' KB to 1504' KB.
2. Perforated the 5th Sand from (2474' - 2488') with 3 shots, the 4th Sand from (2416' - 2452;) with 5 shots and the Gordon Sand from (2377' - 2395') with 4 shots.
3. Fractured the Gordon, 4th and 5th Sands with 15,000 lbs. of 20/40 Sand.
4. Perforated the 30-Ft. Sand from (2260' - 75') with 6 shots and the 50-Ft. Sand from (2187'-2228') with 6 shots.
5. Fractured the 50-Ft. and 30-Ft. Sands with 10,000 lbs. of 20/40 Sand.
6. Perforated the Big Injun Sand from (1678' - 1700') with 12 shots.
7. Fractured the Big Injun Sand with 15,000 lbs. of 20/40 Sand.
8. Cleaned wellbore and installed tubing.

TMM\0702921.11

13701

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date December 5, 1979

FORM IV-35  
(Obverse)

Operator's  
Well No. A-776

[08-78]

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 033-2207  
Permit

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground storage  / Deep  / Seallow   
LOCATION: Elevation: 1160' Watershed: Ten Mile Creek  
District: Sardis County: Harrison Quadrangle: Wolf Summit 7.5'

WELL OPERATOR  
Address ALLEGHENY LAND & MINERAL CO.  
P. O. BOX 1740  
CLARKSBURG, W. VA. 26301

DESIGNATED AGENT  
Address ALLEGHENY LAND & MINERAL CO.  
P. O. BOX 1740  
CLARKSBURG, W. VA. 26301

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Ream  / Fracture or stimulate   
Plug off old formation  / Perforate new formation  / Other physical change in well (specify) \_\_\_\_\_  
DEC 10 1979

OIL & GAS DIVISION  
DEPT. OF MINES

PERMIT ISSUED ON September 18, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Name Mr. Paul Garrett  
Address 321 Beech Street  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Benson Depth 3700 feet

Depth of completed well, 3672 feet Rotary  / Cable Tools

Water strata depth: Fresh, 36', 140', 552' salt, 1305' feet.

Coal seam depths: 212-221 Is coal being mined in the area? no

Work was commenced October 13, 1979, and completed October 20, 1979

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-IN OR CACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	20"			x		16 1/2'	16 1/2'	Winds
Fresh water	11-3/4"			x		230'	230'	Cemented to surface
Coal	8-5/8"			x		1119'	1119'	" "
Intermediate								
Production	4 1/2"			x		3661'	3661'	" 3200'
Tubing								
Liners								Bottom

OPEN FLOW DATA

Producing formation Balltown Pay zone depth 3508-3546 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d

Final open flow, 133 Mcf/d Final open flow, \_\_\_\_\_ bbl/d

Time of open flow between initial and final tests, \_\_\_\_\_ hours

Static rock pressure, 1250# psig (surface measurement) after \_\_\_\_\_ hours shut in

[If applicable due to multiple completion--]

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d

Final open flow, \_\_\_\_\_ Mcf/d Final open flow, \_\_\_\_\_ bbl/d

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Well was fractured October 26, 1979 by Halliburton.

Perforations: 3524 - 3536' - 12 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh water, coal, oil and gas
Soil			0	7	
Sand & Shale			7	212	1" @ 552'
COAL *****			212	221	Water - 1/4" @ 36', 1" @ 140'
Sand & Shale			221	1590	COAL *****
Big Lime			1590	1672	Water - 3/4" @ 1305'
Injun Sand			1672	1710	
Sand & Shale			1710	2270	
Gordon Sand			2270	2286	
Sand & Shale			2286	2378	
4th Sand			2378	2456	
Sand & Shale			2456	2470	
5th Sand			2470	2494	
Sand & Shale			2494	3036	
Speechly Sand			3036	3048	
Sand & Shale			3048	3508	
Balltown Sand			3508	3546	
Shale			3546	3672	
		total depth		3672	(Driller)

(Attach separate sheets to complete as necessary)

Allegheny Land & Mineral Company  
Well Operator

By Claron Dawson

Its Supt.

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

RECEIVED

WV Division of Environmental Protection

MAY 18 92

FORM WW-2B

033-2207 Frac

Issued 06/03/92

Expires 06/03/94

Permitting

Office of Oil & Gas

Page 3 of 9

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

- 1) Well Operator: ALAMCO, INC. 975 (7) 691
2) Operator's Well Number A-776 (SWIGER) 3) Elevation: 1160'
4) Well type: (a) OIL / or GAS XX / (b) If Gas: Production XX / Underground Storage / Deep / Shallow XX /
5) Proposed Target Formation(s): Big Injun. 50', 30', Gordon, 4th & 5th
6) Proposed Total Depth: 3672 feet
7) Approximate fresh water strata depths: 36', 140', and 552'
8) Approximate salt water depths: 1305'
9) Approximate coal seam depths: 212-221'
10) Does land contain coal seams tributary to active mine? Yes / No XX /
11) Proposed Well Work: SEE ATTACHED
12) CASING AND TUBING PROGRAM

PERMANENT PLUG BACK & FRAC EXISTING WELL

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

Table with 7 columns: TYPE, SIZE, GRADE, WEIGHT PER FT., FOR DRILLING, LEFT IN WELL, FILL-UP (Cu. Ft.). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

EXISTING FROM WELL RECORD

PACKERS: Kind NONE Sizes -- Depths Set --

For Division of Oil and Gas Use Only

Fee(s) paid: [X] Well Work Permit [X] Reclamation Fund [X] WPCP [X] Plat [X] WW-9 [X] WW-2B [X] Bond [X] Agent

1) Date: May 12, 1992  
2) Operator's well number  
A-776 (SWIGER)  
3) API Well No: 47 - 033 - 02207 F  
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 Carroll C. Allen  
Address Route 4, Box 200  
Clarksburg, WV 26301
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name Reserve Coal Properties  
Address 1800 Washington Road  
Pittsburgh, PA 15241
- (b) Coal Owner(s) with Declaration  
Name Union Nat'l Bank Willis G. Tetric  
Address P. O. Box 2330 J. Sutton & UNB  
Clarksburg, WV 26301 P. O. Box 267  
Name Clarksburg, WV  
Address DEEP RIGHTS SAME AS SURFACE OWNER
- 6) Inspector Tim Bennett  
Address 737 Karl Street  
Weston, WV 26452  
Telephone (304)- 269-6167
- (c) Coal Lessee with Declaration  
Name N/A  
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 XX 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 8 on the above named parties, by:  
\_\_\_\_\_ Personal Service (Affidavit attached)  
XX \_\_\_\_\_ 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 ALAMCO, INC.  
By: Marty Tom  
Its: \_\_\_\_\_  
Address Manager, Land  
P. O. Box 1740  
Clarksburg, WV 26301  
Telephone 304 623-6671

Subscribed and sworn before me this 12th day of May, 1992

Robert A. Cox  
My commission expires February 21, 1999  
COMMISSIONER  
XXXXXXXXXXXXXXXXXXXX



THIS PERMIT MUST BE POSTED AT THE WELL SITE

Date: September 18, 19 79  
Operator's  
Well No. A-776

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved  
for drilling. This permit shall expire if  
operations have not commenced by 6-5-80.

API Well No. 47 - 033 - 2207  
State Co. Permit

*Robert S. [Signature]*

Deputy Director - Oil & Gas Division

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

SEP 20 1979

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPT. OF MINES

WELL TYPE: Oil      / Gas XX /  
(If "Gas", Production      / underground storage      / Deep      / Shallow XX /

LOCATION: Elevation: 1160 Watershed: Ten Mile Creek  
District: Sardis County: Harrison Quadrangle: Wolf Summit 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. Designated Agent ALLEGHENY LAND & MINERAL CO.  
Address P.O. Box 1740 Address: P.O. BOX 1740  
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

OIL & GAS  
ROYALTY OWNER Gore Corporation, etal  
Address P. O. Drawer 1917  
Clarksburg, WV 26301  
Acreage 52

COAL OPERATOR NONE  
address     

SURFACE OWNER Carol C. Allen  
Address Route 4, Box 200  
Clarksburg, WV 26301  
Acreage 52

Coal Owner(s) With Declaration On Record:  
NAME Carol C. Allen  
Address Route 4, Box 200  
Clarksburg, WV 26301

FIELD SALE (IF MADE) TO:  
Name Consolidated Gas Supply Corporation  
Address 445 West Main Street  
Clarksburg, West Virginia 26301

NAME Union National Bank  
Address Tetrick, Sutton & Union Nat'l  
Clarksburg, WV 26301

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Mr. Paul Garrett  
Address 321 Beech Street  
Clarksburg, West Virginia 26301  
Telephone - 622-3871

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME       
Address     

The undersigned well operator is entitled to operate for oil or gas purposes at  
the above location under a deed      / lease XX / other contract       
dated     , 19     , to the undersigned well operator from Alpheus Swiger  
and E. V. Swiger unto Con Gas subsequently (IF BY DEED, LEASE, OR OTHER CONTRACT  
HAS BEEN RECORDED: ) unto A. L. & M.

Recorded on     , 19     , in the office of the Clerk of the County Commission  
of Harrison County, West Virginia, in Deed book 192 at page  
247. A permit is requested as follows:

PROPOSED WORK: Drill XX / DRILL DEEPER      / REDRILL      / FRACTURE OR STIMULATE  
     / PLUG OFF OLD FORMATION      / Perforate new formation      /  
other physical change in well (specify)     

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby  
notified that any objection they wish to make or are required to make by Code S 22-4-3  
must be filed with the Department of Mines within fifteen (15) days after the receipt  
of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan  
have been mailed by registered mail or delivered by hand to the above named coal  
operator, coal owner(s), and Coal lessee on or before the day of the mailing or  
delivery of this Permit Application to the Department of Mines at Charleston, West  
Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
  
TELEPHONE: (304) 348-3092

ALLEGHENY LAND & MINERAL COMPANY  
Well Operator  
*[Signature]*  
By Glen E. Watkins, Manager  
Land, Lease & Right of Way

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING COMPANY  
 Address P.O. BOX 40  
BUCKHANNON, WEST VIRGINIA 26201

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 3700 feet Rotary XX / Cable tools \_\_\_/  
 Approximate water strata depths: Fresh, 60-80 feet; salt, \_\_\_ feet.  
 Approximate coal seam depths: 90' is coal being mined in the area?  
 Yes \_\_\_ / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SIZE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (cubic ft.) Packers		
		GRADE	Weight Per ft.	New	Used	For drilling	left in well	
Conductor	16"				X	20'	20'	cement to surface kinds
Fresh Water	8-5/8"							
Coal	8-5/8"		20#	X		800'	800'	cement to surface sizes
Intermediate								
Production	4 1/2"		J 55 10.50#	X		3700'	3700'	cement to 300' above producing set horizon depths set
Tubing								
Liners								perfor- ations: Top bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code S 22-4-2, (iii) Form IV-9, " Reclamation Plan", applicable to the reclamation required by Code S 22-4-12b and Regulation 23, (iv) unless previously paid on the same well; the fee required by Code S 22-4-12a, and (v) if applicable, the consent required by Code S 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

-----  
 The Following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code S 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator \_\_\_ / owner \_\_\_ / lessee \_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_ 19 \_\_\_\_\_