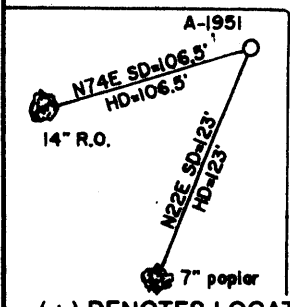
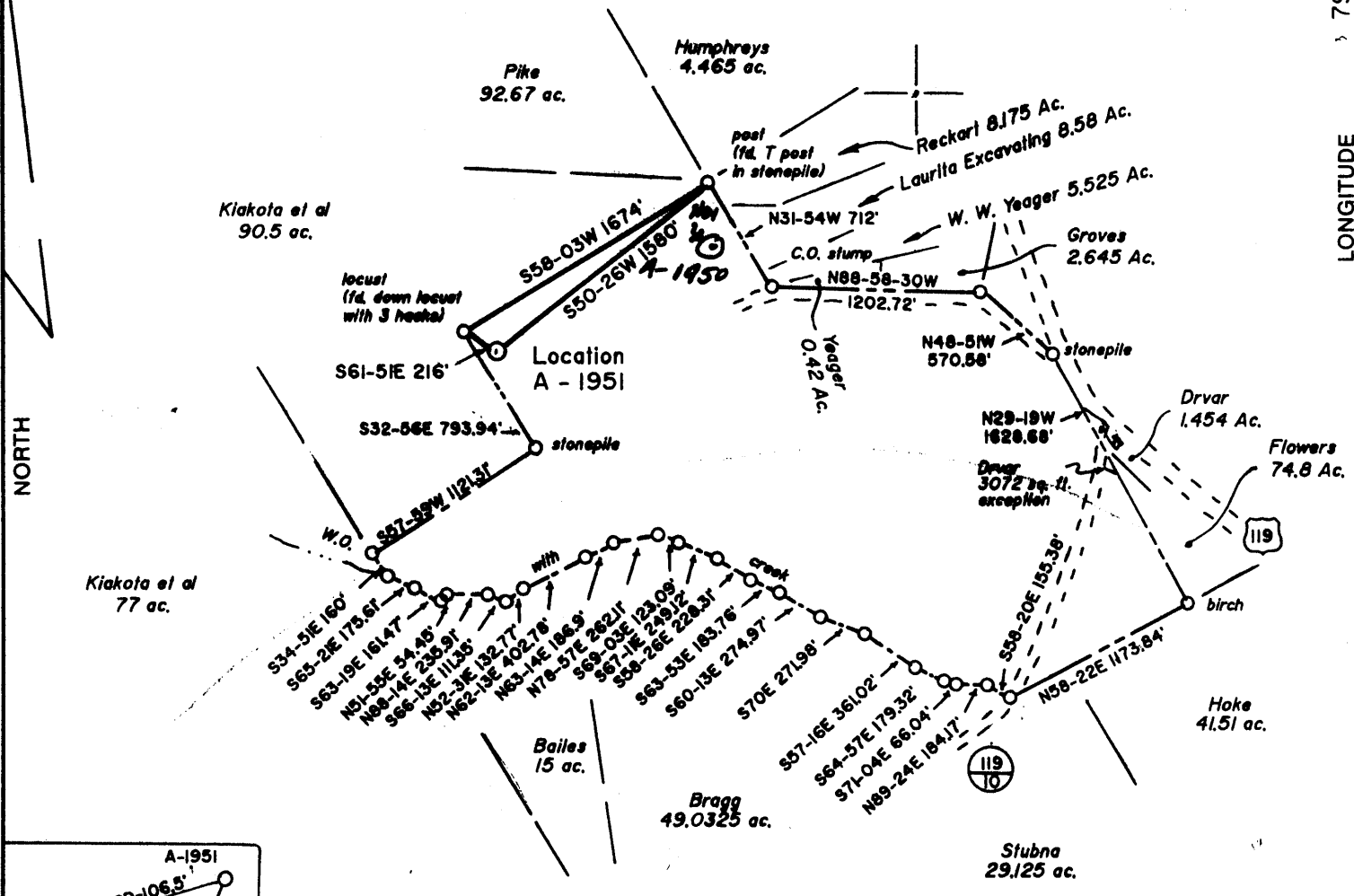


*Janice*  
4/13/93

LONGITUDE 79-55-61 W

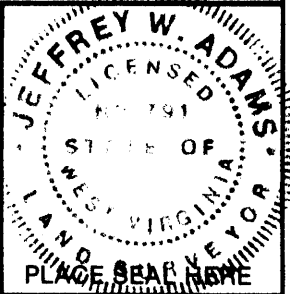


Note: No wells within 2400'

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road Int. 3,500' East of location Elev.: 1873'

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) Jeffrey A. Adams  
 R.P.E. \_\_\_\_\_ L.L.S. 791



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

DATE April 9, 19 93  
 OPERATOR'S WELL NO. A-1951  
 API WELL NO. 47-061-1102-P

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1627' WATER SHED Owl Run  
 DISTRICT Clinton COUNTY Monongalia  
 QUADRANGLE Morgantown South 7 1/2'

SURFACE OWNER Mary Jane Hess, et al ACREAGE 172.802  
 OIL & GAS ROYALTY OWNER Mary Jane Hess, et al LEASE ACREAGE 173  
 LEASE NO. 3113

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION 4th Sand ESTIMATED DEPTH 2100  
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Maryl Perri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

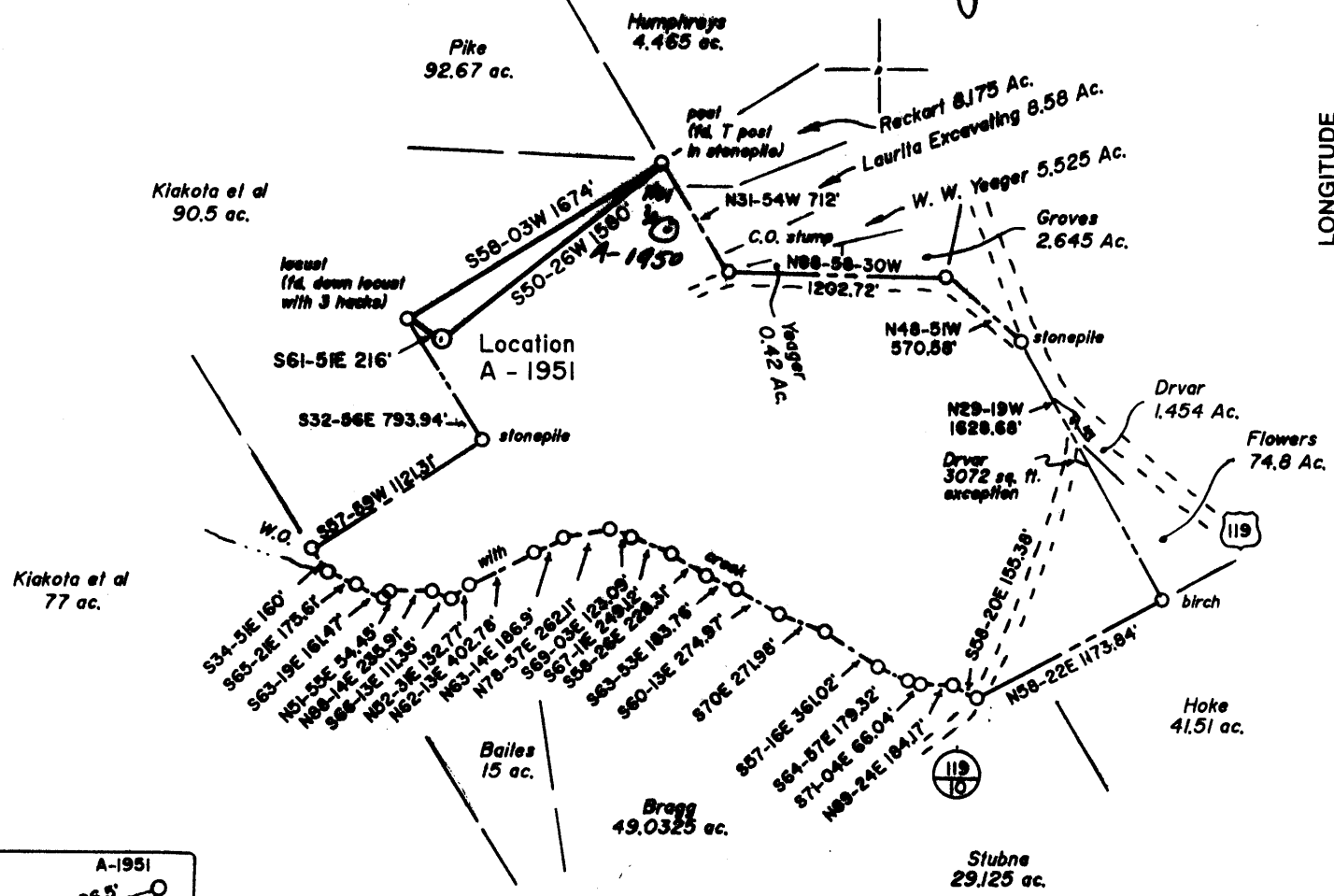
FORM WW-6

COUNTY NAME MONON PERMIT 1102

*Jamie*  
4/13/93

LONGITUDE 79-55-62 W

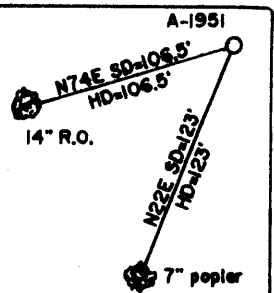
NORTH



8.93 S  
0.98 W

3.71 S  
0.98 W

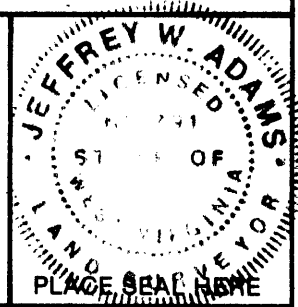
Note: No wells within 2400'



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

FILE NO. \_\_\_\_\_  
DRAWING NO. 1  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION Road Int. 3,500' East of location Elev.: 1873'

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) Jeffrey W. Adams  
R.P.E. \_\_\_\_\_ L.L.S. 791



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

DATE April 9, 19 93  
OPERATOR'S WELL NO. A-1951  
API WELL NO. 47-061-1102  
STATE 061 COUNTY 1102 PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1627' WATER SHED Owl Run  
DISTRICT Clinton 4 COUNTY Monongalia  
QUADRANGLE Morgantown South 7 1/2' + 15' SW

SURFACE OWNER Mary Jane Hess, et al ACREAGE 172.802  
OIL & GAS ROYALTY OWNER Mary Jane Hess, et al LEASE ACREAGE 173  
LEASE NO. 3113

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION 4th Sand ESTIMATED DEPTH 2100  
WELL OPERATOR Alamco, Inc DESIGNATED AGENT Maryl Perri  
ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

FORM WW-6

COUNTY NAME

PERMIT

666 Burns Chapel (313)

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

Well Operator's Report of Well Work

Farm name: HESS, MARY JANE Operator Well No.: HESS A-1951

LOCATION: Elevation: 1,627.00 Quadrangle: MORGANTOWN SOUTH

District: CLINTON County: MONONGALIA  
Latitude: 4400 Feet South of 39 Deg. 32Min. 30 Sec.  
Longitude 5175 Feet West of 79 Deg. 55 Min. Sec.

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4	30	--	None
8-5/8	746.30	746.30	To surface 223 cu. Ft.
4-1/2		2069.25'	258 cu. Ft.

Agent: MARTY L. PERRI

Inspector: RANDAL MICK  
Permit Issued: 04/13/93  
Well work Commenced: 04/17/93  
Well work Completed: 05/04/93  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2119 Drlg.  
Fresh water depths (ft) 1/2" str. 75'  
1/2" Str. 165' & 1/2" @ 235'  
Salt water depths (ft) \_\_\_\_\_ None

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 72-75'

OPEN FLOW DATA

Producing formation 4th Sand Pay zone depth (ft) 1954-1992'  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow -- Bbl/d  
Final open flow No test MCF/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure No test 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.

Reviewed TMG

Recorded \_\_\_\_\_

For: ALAMCO, INC.

JUN 4 1993

By: Richard R. Hoffman  
Date: 5/25/93

Richard R. Hoffman

Formations: 0 - 756' Driller Records - 756' from Gamma Ray Log.

<u>Top</u>	<u>Bottom</u>	
0	40	Fill
40	72	SD/SH
72	75	Coal
75	144	SD/SH
144	165	SD
165	530	SH/Sand
530	598	SD
598	767	RR & SH
767	836	Lime
836	856	SH
856	1014	Big Lime
1014	1080	Big Injun
1080	1180	SH
1180	1282	Weir
1282	1402	SH
1402	1417	Gantz
1417	1444	SH
1444	1460	50'
1460	1952	SD/SH
1952	1998	4th SD
1998	2064	SD & SH
	2112	Log TD

Coal 72 - 75'

1/2" H<sub>2</sub>O @ 75'  
 1/2" H<sub>2</sub>O @ 165'  
 1/2" H<sub>2</sub>O @ 235'

GAS CHECKS:

871 - N/S  
 1059 - N/S  
 1090 - N/S  
 1184 - N/S  
 1246 - N/S  
 1339 - N/S  
 1465 - 22 MCF/D  
 1901 - 22 MCF/D  
 1999 - 22 MCF/D  
 2088 - Odor

Perforations:

4th Sand (1954-1992) 11  
 Holes

Fracture:

Water Frac 20# Gel Sys.  
 40,000# 20/40

RECEIVED

Division of Environmental Protection

APR 13 93

FORM WW-2B

Permitting Office of Oil & Gas

061-1102

Issued 4/13/93

Expired 4/13/95

Page 3 of 8

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

- 1) Well Operator: ALAMCO, INC. CIO (975) (4) 484
2) Operator's Well Number A-1951 (HESS) 3) Elevation: 1627
4) Well type: (a) OIL / or GAS XX / (b) If Gas: Production XX / Underground Storage / Deep / Shallow XX /
5) Proposed Target Formation(s): Fourth Sand 421
6) Proposed Total Depth: 1880 feet
7) Approximate fresh water strata depths: NONE
8) Approximate salt water depths: NONE
9) Approximate coal seam depths: NONE
10) Does land contain coal seams tributary to active mine? Yes / No XX /
11) Proposed Well Work: SEE ATTACHED
12) CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS, FOOTAGE INTERVALS, CEMENT. Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, Liners.

PACKERS: Kind NONE, 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, Agent.

RECEIVED

WV Division of  
Environmental Protection

APR 13 93

Permitting  
Office of Oil & Gas

- 1) Date: April 12, 1993
- 2) Operator's well number  
A-1951 (HESS)
- 3) API Well No: 47 - 061 - 1102  
State - County - Permit

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
  - (a) Name Mary Jane Hess  
Address Route 9, Box 88  
Morgantown, WV 26505
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name None of Declaration  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration
    - Name Mary Jane Hess  
Address Route 9, Box 88  
Morgantown, WV 26505
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration
    - Name None of Declaration  
Address \_\_\_\_\_
- 6) Inspector Randall Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304)- 987-3324

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:

- XX 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 Perini  
 Its: Manager, Land  
 Address P. O. Box 1740  
Clarksburg, WV 26302-1740  
 Telephone 304 623-6671

Subscribed and sworn before me this 12<sup>th</sup> day of April, 1993

Elaine M. Cox Notary Public

My commission expires December 9, 2002

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

Permitting  
Office of Oil & Gas  
Environmental Protection

AUG 3 1 93 AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, on copy to be retained by the Well Operator and the third copy (and extr copies if required), should be mailed to each coal operator at their respective addresses.

Farm name: HESS, MARY JANE Operator Well No.: HESS A-1951

LOCATION: Elevation: 1,627.00 Quadrangle: MORGANTOWN SOUTH  
District: CLINTON County: MONONGALIA  
Latitude: 4400 Feet South of 39 Deg. 32 Min. 30 Sec.  
Longitude 5175 Feet West of 79 Deg. 55 Min. Sec.

Well Type: OIL \_\_\_\_\_ GAS XX

Company: ALAMCO, INC.  
200 West Main Street  
Clarksburg, WV 26301

Coal Operator None of Declaration  
~~XXXXXXXXXX~~

Agent: Marty L. Perri

Coal Operator ~~XXXXXXXXXX~~ Mary Jane Hess  
~~Owner~~ Route 9, Box 88  
Morgantown, WV 26505

Permit Issued: 06/28/93

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of HARRISON

ss:

Stewart Rhoades and R. Mark Hackett bein first duly sworn according to law depose and say that they are experience in the work of plugging and filling oil and gas wells and were employed b the above named well operator, and participated in the work of pluggin and filling the above well, and Randall Mick Oil an Gas Inspector representing the Director, say that said work was commenced on the 2nd day of June, 1993, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
150' Cmt Plg Inside 4-1/2"	1,915'	1,765'		
16 BBL Gel Spacer	1,765'	820'		
170' Cmt Plug @ Cut	945'	775'	Cut 4 1/2" CSG @ 945'	
Pull 5 jts-swab dry	775'		Pull remaining casing	

*[Handwritten signature]* 9/1/93

Description of monument: 8-5/8" CSG VENTED MONUMENT WITH I.D. TAG and that the work of plugging and filling said well was completed o the 2nd day of June, 1993.

And further deponents saith not.

Sworn and subscribe before me this  
My commission expires: December 9, 2002

STEWART RHOADES  
R. Mark Hackett  
day of July, 1993  
Elsie M. Cox  
Notary Public  
Randall Mick



OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
ELSIE M. COX  
ALAMCO, INC.  
200 WEST MAIN ST.  
CLARKSBURG, WV 26301  
My Commission Expires December 9, 2002

Oil and Gas Inspector: