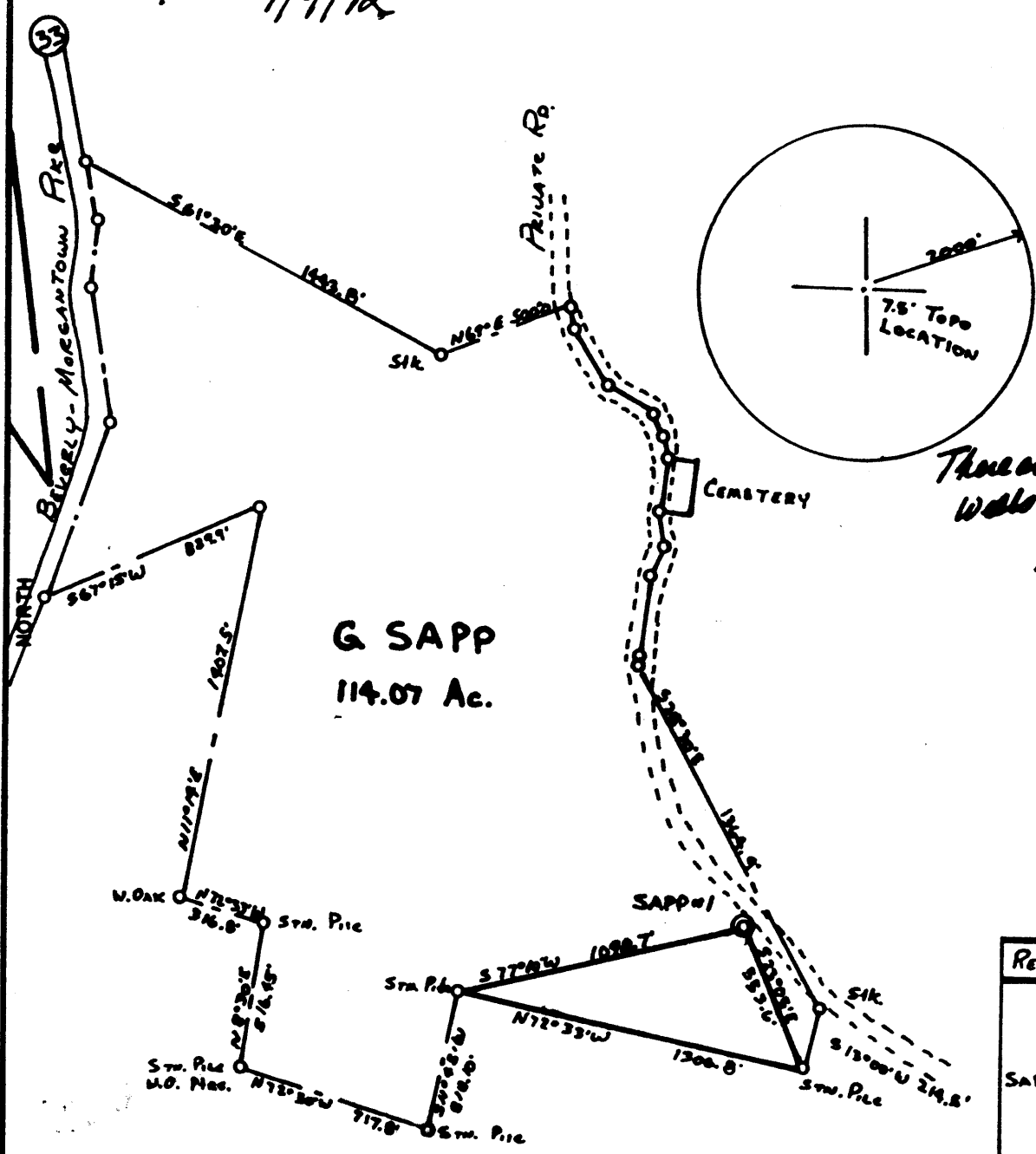


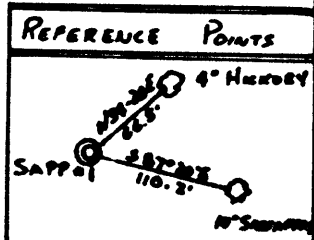
Jamie 10/11/90
 " 7/9/92

LATITUDE 39°27'30"

LONGITUDE 79°05'62"

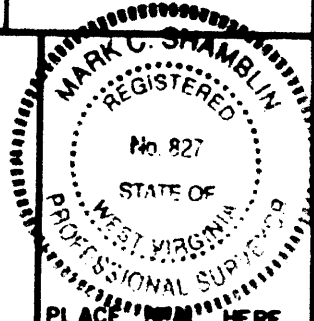


There are NO Reported
 Well wells in
 7000'



FILE NO. 2
 DRAWING NO. 9007
 SCALE 1"=600'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION BENCH MARK 1873' NORTHWEST OF LOCATION

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) [Signature]
 R. P. E. _____ L. L. S. 827



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



DATE May 9, 1990
 OPERATOR'S WELL NO. SAPP No. 1
 API WELL NO. 47-077-0254P
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1799.2 WATER SHED THREE FORK CREEK
 DISTRICT Lyons COUNTY PRESTON
 QUADRANGLE NEWBURG (75')
 SURFACE OWNER GLADYS SAPP ACREAGE 114.07
 OIL & GAS ROYALTY OWNER GLADYS SAPP LEASE ACREAGE 114.07
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG _____
 TARGET FORMATION FOURTH SAND ESTIMATED DEPTH 2500'
 WELL OPERATOR MARK RESOURCES CORP. DESIGNATED AGENT OLIN SNOLKEY
 ADDRESS PENN CENTER WEST, Bldg II, Suite 224 ADDRESS RT 1 Box 139B
PITTSBURGH, PA. 15276 RAVENSWOOD, WV. 26164

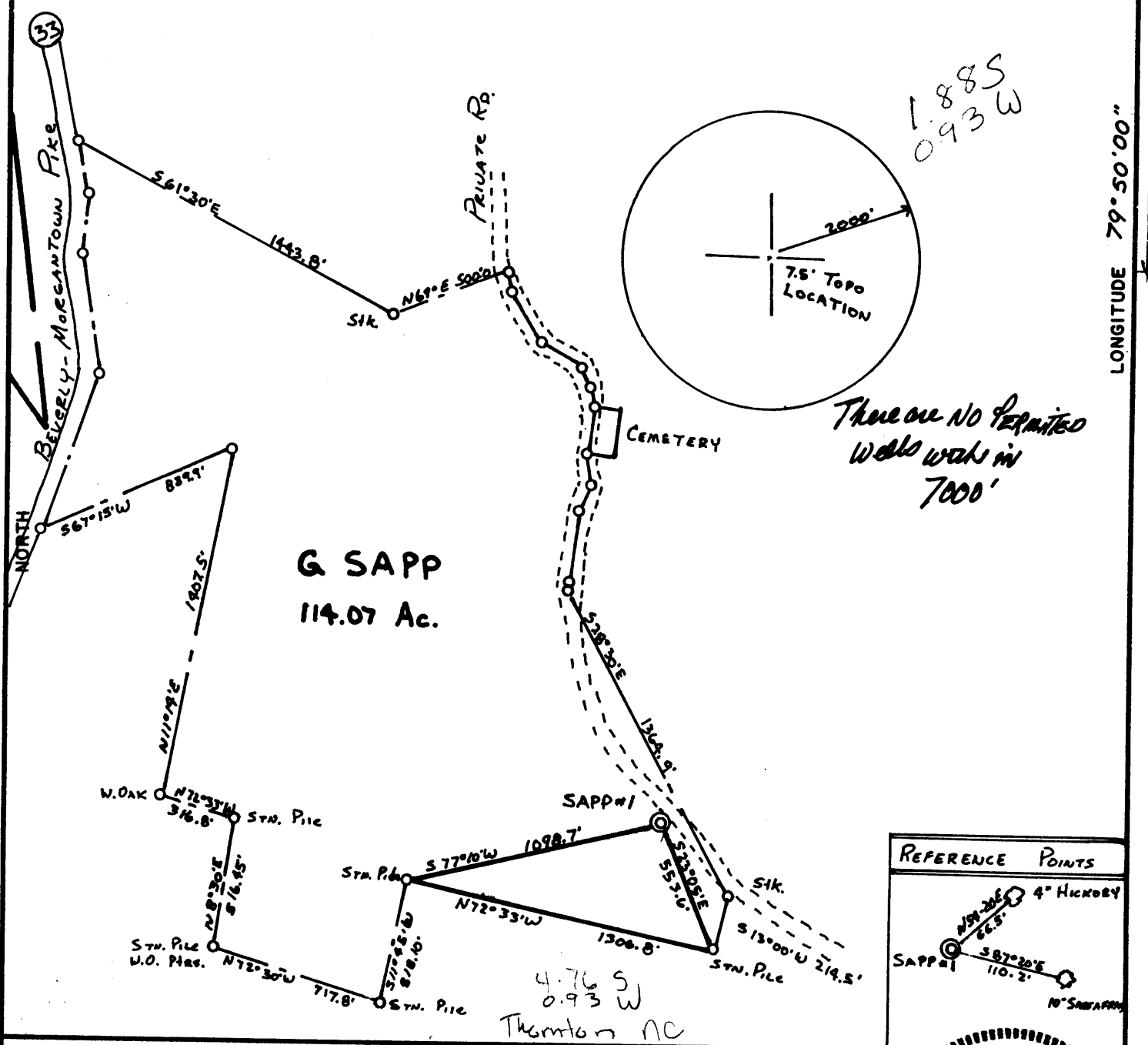
JUL 13 1992

PREST 0254

Janie 10/11/90

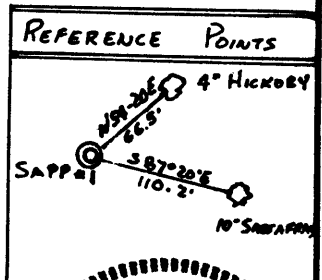
LATITUDE 39°27'30"

1.885
0.93 W



FILE NO. 2
 DRAWING NO. 9007
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION BENCH MARK 1873'
NORTHWEST OF LOCATION

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) [Signature]
 R. P. E. _____ L. L. S. 827



MARK G. SHAMBLIN
 REGISTERED
 No. 827
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR
 PLACE SEAL HERE

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



Department of Mines
 Oil & Gas Division

DATE May 9, 1990
 OPERATOR'S WELL NO. SAPP No. 1
 API WELL NO. 47-077-0254
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1799.2 WATER SHED THREE FORK CREEK
 DISTRICT LYONS 3 COUNTY PRESTON
 QUADRANGLE NEWBURG (7.5')
 SURFACE OWNER GLADYS SAPP ACREAGE 114.07
 OIL & GAS ROYALTY OWNER GLADYS SAPP LEASE NO. _____ LEASE ACREAGE 114.07
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION FOURTH SAND 546 ESTIMATED DEPTH 2500'
 WELL OPERATOR MARK RESOURCES CORP. DESIGNATED AGENT OLIN SHOCKEY OCT 22 1990
 ADDRESS PENN CENTER WEST, Bldg II, Suite 224 ADDRESS RT 1 Box 139B
PITTSBURGH, Pa. 15276 RAVENSWOOD, WV. 26164

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: SAPP, GLADYS L. Operator Well No.: SAPP 1

LOCATION: Elevation: 1799.20 Quadrangle: NEWBURG

District: LYON County: PRESTON
Latitude: 4600 Feet South of 39 Deg. 27Min. 30 Sec.
Longitude 4900 Feet West of 79 Deg. 50 Min. 0 Sec.

Company: MARK RESOURCES CORPORATIO
PENN CTR. W, BLDG.II, STE 224
PITTSBURGH, PA 15276-0000

Agent: OLIN SHOCKEY

Inspector: PHILLIP TRACY
Permit Issued: 10/12/90
Well work Commenced: 11/17/90
Well work Completed: 11/28/90
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig
Total Depth (feet) 2500'
Fresh water depths (ft) 45'

Salt water depths (ft) None

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

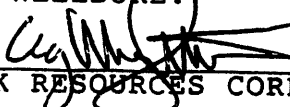
| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8 5/8" | 30' | Pulled | |
| 7" | | 1263' | 185 Sks. Class A |
| | | | |
| | | | |
| | | | |

OPEN FLOW DATA

Producing formation None - Plugged & Abandoned 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

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: MARK RESOURCES CORPORATION

By: Gregory R. Wrightstone
Date: March 25, 1991

APR 12 1991

NOT TREATED

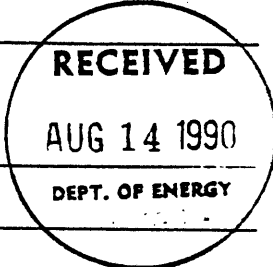
Set 150' cement plug 2314' - 2464' with 27 sks. Class A cement. Gelled hole (6% gel) from 2314 - 1434'. Set 125' cement plug from 1310 - 1435' with 23 sks. Class A cement. Gelled to surface.

| FORMATIONS | TOP | BOTTOM | |
|----------------|------|--------|----------------------|
| Sand and Shale | 0 | 486 | |
| Sand | 486 | 519 | |
| Sandy Shale | 519 | 693 | |
| Shale | 693 | 726 | |
| Sand | 726 | 804 | |
| Shale | 804 | 828 | |
| Sand | 828 | 862 | |
| Shale | 862 | 879 | |
| Sand | 879 | 895 | |
| Sand and Shale | 895 | 1203 | |
| Little Lime | 1203 | 1216 | |
| Pencil Cave | 1216 | 1229 | |
| Big Lime | 1229 | 1437 | |
| Shale | 1437 | 1555 | |
| Weir | 1555 | 1562 | |
| Shale | 1562 | 1607 | |
| Weir | 1607 | 1624 | |
| Shale | 1624 | 1734 | |
| Berea | 1734 | 1746 | |
| Upper Gantz | 1746 | 1750 | |
| Shale | 1750 | 1780 | |
| Gantz | 1780 | 1801 | |
| Shale | 1801 | 1824 | |
| Fifty-Foot | 1824 | 1934 | |
| Shale | 1934 | 2269 | |
| Upper Fourth | 2269 | 2292 | |
| Shaly Sand | 2292 | 2313 | |
| Shale | 2313 | 2362 | |
| Lower Fourth | 2362 | 2386 | |
| Shale | 2386 | 2426 | |
| Fifth Sand | 2426 | 2501 | TD NSR Natural at TD |

11096

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

- 1) Well Operator: MARK RESOURCES CORPORATION 30275 (3) 506
- 2) Operator's Well Number: Sapp #1 3) Elevation: 1799.2
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Balltown
- 6) Proposed Total Depth: 2540 feet
- 7) Approximate fresh water strata depths: 100 - 200' OK
- 8) Approximate salt water depths: None OK
- 9) Approximate coal seam depths: 605-608' OK
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: To drill and complete gas well
- 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 | | | | | | |
| Fresh Water | 7" | | | 1320' | Cement to surface 1320' | 38 CSR 18-11.3 38 CSR 18-11.2 |
| Coal | | | | | | |
| Intermediate | | | | | | |
| Production | 4 1/2" | | | 2530' | 2530' | 38 CSR 18-11.1 |
| Tubing | | | | | | |
| Liners | | | | | | |

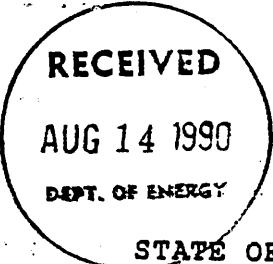
11096

PACKERS : Kind None
Sizes _____
Depths set _____

467 M
22

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond John G. [Signature] Agent
 (Type)



1) Date: May 30, 1990
2) Operator's well number _____
3) API Well No: 47 - 077 - 0254
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 Mrs. Gladys L. Sapp
Address Route #1, Box 67
Independence, WV 26374
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name R. Lorraine Teets
Address Box 398
Arthurdale, WV 26520
- Name R. Lorraine Teets, Trustee for
Address Leslie Guy Halbritter
Box 398, Arthurdale, WV 26520
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector _____
Address _____
Telephone (304)- _____

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
_____ 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)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator MARK RESOURCES CORPORATION
By: Robert L. Eckle
Its: Attorney-in-Fact
Address Penn Center West, Bldg. II, Suite 224
Pittsburgh, PA 15276
Telephone 412-788-1340

Subscribed and sworn before me this 30th day of May, 1990

My commission expires October 4, 1993 Notary Public _____

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

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

Farm name: SAPP, GLADYS L. Operator Well No.: SAPP 1

LOCATION: Elevation: 1799.00 Quadrangle: NEWBURG
District: LYON County: PRESTON
Latitude: 4600 Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 4900 Feet West of 79 Deg. 50 Min. 0 Sec.

Well Type: OIL _____ GAS x

Company: Mark Resources Corporation Coal Operator Lorraine Teets
200 Fleet Street Suite 410 or Owner Box 398
Pittsburgh, PA 15220 Arthurdale, WV 26520

Agent: Olin Shockey Coal Operator Leslie Guy Halbritter
or Owner Box 398

Permit Issued: 07/10/92 Arthurdale, WV 26520

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Preston ss:

_____ and _____ being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Philip Tracy Oil and Gas Inspector representing the Director, say that said work was commenced on the 10th day of March, 1991, and that the well was plugged and filled in the following manner:

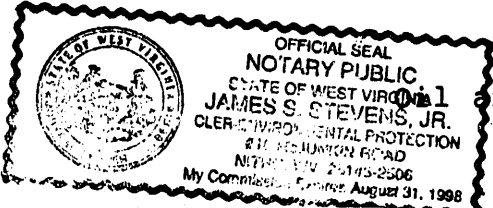
| TYPE | FROM | TO | PIPE REMOVED | LEFT |
|----------------|--------|---------|--------------|-------------|
| 6 % gel cement | 13190' | Surface | | 1.263' of 7 |
| 6 % gel cement | 1435' | 1310' | | |
| 6 % gel cement | 2314' | 1435' | | |
| 6 % gel cement | 2464' | 2314' | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Description of monument: 7" vent cap
and that the work of plugging and filling said well was completed on the 10th day of March, 1991.

And further deponents saith not.

Sworn and subscribe before me this 13 day of April, 1995
My commission expires: August 31, 1998

Olin Shockey
James S. Stevens, Jr.
Notary Public
Philip Tracy



Oil and Gas Inspector: _____