

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION BM 883-1400' WEST OF JCT. RT. 20/28 & RT. 7 SMITHBURG TOPO. 7.5' (1976)

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) Douglas P. Moats  
 R.P.E. 7002 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE OCTOBER 27 1980  
 OPERATOR'S WELL NO. O.C. WISE #1  
 API WELL NO. 47-017-02866-7  
 STATE COUNTY PERMIT

DEPARTMENT OF MINES  
 OFFICE OF OIL AND GAS

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

LOCATION: ELEVATION 998 WATERSHED LITTLE BATTLE RUN  
 DISTRICT Mc CLELLAN COUNTY DODDRIDGE  
 QUADRANGLE SALEM, WVA. 7.5' (1976)

SURFACE OWNER G.E. DELANEY / H.G. WISE ACREAGE 38.0 / 29.0  
 OIL & GAS ROYALTY OWNER O.C. WISE LEASE ACREAGE 67.0  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Well drilled in 1980 by Stuart Petroleum Interstate to increase 4 1/2 feet bottom & Big Blayden Remove plug composite

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER, F. Benson ESTIMATED DEPTH 5400 5450'  
 DESIGNATED AGENT Kenneth Pote ADDRESS Same Address PH: 304-269-6441

Interstate Drilling, Inc.  
 Rt. 3, Box 89-V  
 Weston, WVa. 26452-9620

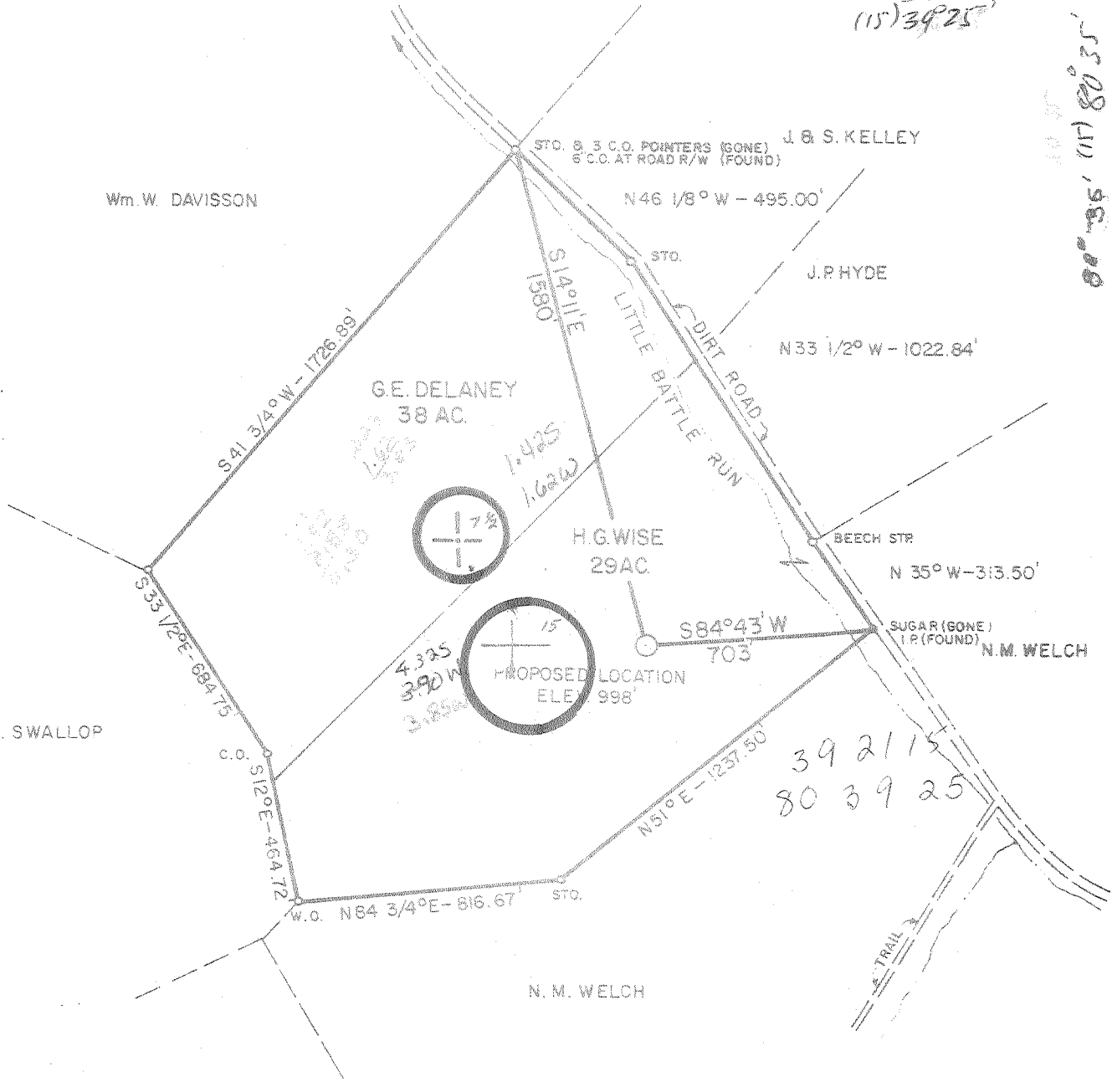
MAY 23 1997

Plot  Card  CSD

LATITUDE ~~80°35'00"~~  
39°22'30"  
(15) 39°25'

NORTH

LONGITUDE 80°35' (17) 80°35' 09.25"  
7460'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION BM 883-1400' WEST OF JCT. RT. 20/28 RT. 7 SMITHBURG TOPO. 7.5' (1976)

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) Douglas P. Moats  
 R.P.E. 7002 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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



DATE OCTOBER 27 1980  
 OPERATOR'S WELL NO. O.C. WISE #1  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2866  
 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 998 WATER SHED LITTLE BATTLE RUN  
 DISTRICT Mc CLELLAN COUNTY DODDRIDGE  
QUADRANGLE SALEM, WVA. 7.5' (1976) 15' C  
 SURFACE OWNER G.E. DELANEY / H.G. WISE ACREAGE 38.0 / 29.0  
 OIL & GAS ROYALTY OWNER O.C. WISE LEASE ACREAGE 67.0  
 LEASE NO. \_\_\_\_\_  
 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 ALEXANDER ESTIMATED DEPTH 5400'  
 WELL OPERATOR STUART PET. % HANLEY & BIRD DESIGNATED AGENT BERRY WATERS, WARNER & HARRIS  
 ADDRESS 28 KENNEDY STREET ADDRESS P.O. BOX 1716  
BRADFORD, PA. 16701 CLARKSBURG, W.VA. 26301

RECEIVED

WR-3 WV Division of Environmental Protection

13-May-97  
API # 47- 17-02866 F

JUL 25 1997

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: WISE, H.G. ETAL. Operator Well No.: WISE #1

LOCATION: Elevation: 998.00 Quadrangle: SALEM

District: MCCLELLAN County: DODDRIDGE  
Latitude: 7460 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 8550 Feet West of 80 Deg. 35 Min. 0 Sec.

Company: INTERSTATE DRILLING, INC.

RT 3 BOX 89-V  
WESTON, WV 26452-9620

Agent: KENNETH L. POTE

Inspector: MIKE UNDERWOOD  
Permit Issued: 05/19/97  
Well work Commenced: 06/12/97  
Well work Completed: 06/20/97

Verbal Plugging  
Permission granted on: N/A  
Rotary Cable Rig  
Total Depth (feet) 5450'  
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

| Casing & Tubing Size                | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-------------------------------------|------------------|--------------|------------------------|
| 11-3/4"                             | 30'              | 0'           |                        |
| 8-5/8"                              | 1410'            | 1410'        | 285 Sks.               |
| 4-1/2"                              |                  | 5392'        | 165 Sks.               |
| Existing Well Records - No Changes. |                  |              |                        |

OPEN FLOW DATA

Producing formation Gordon Stray and Gordon Pay zone depth (ft) 2678'-2686'  
Gas: Initial open flow MCF/d Oil: Initial open flow 2754'-2762' Bbl/d  
Final open flow 441\* MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests Hours  
Static rock Pressure 160 psig (surface pressure) after 48 Hours

Second producing formation Big Injun Pay zone depth (ft) 2002'-2020'  
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  
Final open flow 441\* MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests Hours  
Static rock Pressure 160 psig (surface pressure) after 48 Hours

\*Co-mingled with existing production.

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: INTERSTATE DRILLING, INC.

By: *[Signature]*  
Date: July 24, 1997

JUL 25 1997

06/20/97

Set temporary plug; squeeze cement 4½" casing w/266 Sks. Standard Cement.

Perfed and Completed: Gordon Stray and Gordon; 2678'-2672' w/16 Holes; 30,000# 20/40 Sand  
Big Injun; 2002'-2020' w/40 Holes; 21,000# 20/40 Sand

Knocked out plug and co-mingled w/deeper zones.



RECEIVED

FEB 29 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas   
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Salem 7 1/2'

Permit No. 47-017-2866

Company Stuart Petroleum Co./Hanley & Bird  
Address 28 Kennedy St., Bradford, PA 16701  
Farm H.G. Wise, et al Acres 6.7  
Location (waters) Little Battle  
Well No. One (1) Elev 998'  
District McClellan County Doddridge  
The surface of tract is owned in fee by Harley  
G. Wise, et al  
Address 102 Cropper St., Weirton, WV 26062  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 11-26-80  
Drilling Completed 12-04-80  
Initial open flow Sl. Show cu. ft. \_\_\_\_\_ bbls.  
Final production 260,000 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 4 hrs. before test 1450# RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size              |                  |              |                               |
| 20-16             |                  |              |                               |
| Cond.             |                  |              |                               |
| 13-10"            | 30'              | 0            | Pulled                        |
| 9 5/8             |                  |              |                               |
| 8 5/8             | 1410             | 1410         | 285 sacks                     |
| 7                 |                  |              |                               |
| 5 1/2             |                  |              |                               |
| 4 1/2             |                  | 5392         | 165 sacks                     |
| 3                 |                  |              |                               |
| 2                 |                  |              |                               |
| Liners Used       |                  |              |                               |

Attach copy of cementing record.

|           |                |               |         |           |
|-----------|----------------|---------------|---------|-----------|
| Benson    | 25,000# 80/100 | 37,500# 20/40 | 475 BBL | S/L Fluid |
| Alexander | 25,000# 80/100 | 50,000# 20/40 | 550 BBL | S/L Fluid |

Coal was encountered at 102' Feet 36" Inches  
Fresh water 260' Feet \_\_\_\_\_ Salt Water 1040' Feet \_\_\_\_\_  
Producing Sand Benson, Alexander Depth 5011-5073, 5203-5327

| Formation    | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks            |
|--------------|-------|--------------|----------|-------------|-------------------|----------------------|
| Clay         |       |              | 0        | 18          |                   |                      |
| Sand/Shale   |       |              | 18       | 51          |                   |                      |
| Shale        |       |              | 51       | 102         |                   |                      |
| Coal         |       |              | 102      | 108         |                   |                      |
| Shale        |       |              | 108      | 248         |                   |                      |
| Sand & Shale |       |              | 248      | 760         |                   | FW @ 260'            |
| Sandy Shale  |       |              | 760      | 1220        |                   | SW @ 1040'           |
| Shale        |       |              | 1220     | 1270        |                   |                      |
| Sand         |       |              | 1270     | 1370        |                   |                      |
| Shale        |       |              | 1370     | 1435        |                   |                      |
| Sandy Shale  |       |              | 1435     | 1537        |                   |                      |
| Sand/Shale   |       |              | 1537     | 1888        |                   |                      |
| Big Lime     |       |              | 1888     | 1950        |                   |                      |
| Big Injun    |       |              | 1950     | 2095        |                   |                      |
| Shale        |       |              | 2095     | 2225        |                   |                      |
| Sand & Shale |       |              | 2225     | 2598        |                   |                      |
| Grey Shale   |       |              | 2598     | 3038        |                   |                      |
| Sand/Shale   |       |              | 3038     | 3510        |                   |                      |
| Shale        |       |              | 3510     | 4036        |                   | SL. Show gas @ 3640' |
| Sandy Shale  |       |              | 4036     | 4478        |                   |                      |
| Sand & Shale |       |              | 4478     | 4846        |                   |                      |
| Shale        |       |              | 4846     | 4995        |                   |                      |
| Benson       |       |              | 4995     | 5060        |                   |                      |
| Shale        |       |              | 5060     | 5175        |                   |                      |

(over)

FEB 24 1981

\* Indicates Electric Log tops in the remarks section.

| Formation                  | Color | Hard or Soft | Top Feet <sup>1/3</sup> | Bottom Feet | Oil, Gas or Water | * Remarks                                   |
|----------------------------|-------|--------------|-------------------------|-------------|-------------------|---|
| Sandy Shale<br>Total Depth |       | ALEX.        | 5175<br>5450            | 5450        |                   | Small show of gas @<br>TD could not measure |

Date: January 26, 1981

APPROVED

*[Signature]*

CONSULTANT  
Owner

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

NOV - 8 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION OF MINES

OIL & GAS DIVISION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE October 29, 1980

Surface Owner Harley G. Wise, Et Al  
Address 102 Cropper St., Weirton, WV, 26062  
Mineral Owner Harley G. Wise, Et Al  
Address 102 Cropper St., Weirton, WV, 26062  
Coal Owner Consolidation Coal Company  
Address P. O. Box 1632, Fairmont, WV, 26554  
Coal Operator None  
Address \_\_\_\_\_

Company Stuart Petroleum Company  
Address 28 Kennedy St., Bradford, PA, 16701  
Farm H. G. Wise Et Al Acres 67  
Location (waters) Little Battle  
Well No. One (1) Elevation 998'  
District McClellan County Doddridge  
Quadrangle Salem, 7 1/2'

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 7-6-81.

INSPECTOR TO BE NOTIFIED Paul Garrett  
ADDRESS 321 Beech St., Clarksburg, WV, 26301  
PHONE 622-3871

Paul Garrett  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 4 1980 by Harley G. Wise, Et Ux made to Clarence W. Mutchelknaus and recorded on the 19 day of June 1980, in Doddridge County, Book 115 Page 628

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,  
(Sign Name) Kenneth D. Doherty CONSULTANT  
Well Operator  
Stuart Petroleum Company  
28 Kennedy Street  
Street  
Bradford  
City or Town  
Pennsylvania, 16701  
State

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia  
Area Code 304 -348-3092 348-3096

Address of Well Operator

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-017-2866 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."  
Signed by Scott E. Miller, Agent  
Berry, Waters, Warner & Harris

*January*





RECEIVED  
FOR THE DIVISION OF  
Environmental Protection

017-2866-Frac.

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

MAY 02 1997

1) Permitting Operator: Interstate Drilling, Inc. 23450 (5) 546  
Office of Oil & Gas

2) Operator's Well Number: Wise #1 3) Elevation: 998'

4) Well type: (a) Oil    / or Gas    /  
(b) If Gas: Production    / Underground Storage    /  
Deep    / Shallow    /

Issued 05/19/97  
Expired 05/19/99

5) Proposed Target Formation(s): Big Injun, Gordon

6) Proposed Total Depth: 5450' (Orig. ID) feet  
(As reported on

7) Approximate fresh water strata depths: 260' Orig. OG-10, copy attached)

8) Approximate salt water depths: 1040' (As reported on Orig. OG-10, copy attached)

9) Approximate coal seam depths: 102'-108' (As reported on Orig. OG-10, copy attached)

10) Does land contain coal seams tributary to active mine? Yes    / No    /

11) Proposed Well Work: Set temporary plug; Squeeze cement 4 1/2" casing w/255 Sks. Std. Cement; Perf and Frac Gordon and Big Injun; Knock out plug and co-mingle w/deeper zone

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*    | 11-3/4"        |       |                   | 30'          | 0'           |                   |
| Fresh Water   |                |       |                   |              |              |                   |
| Coal          |                |       |                   |              |              |                   |
| Intermediate* | 8-5/8"         |       |                   | 1410'        | 1410'        | 285 Sks.          |
| Production*   | 4-1/2"         |       |                   |              | 5392'        | 165 Sks.          |
| Tubing        |                |       |                   |              |              |                   |
| Liners        |                |       |                   |              |              |                   |

*Excluding from Well Packer*

*Squeeze*

\*As reported on Original OG-10, copy attached.

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

For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Agent  
(Type)

23545

18088  
12

RECEIVED  
WV Division of  
Environmental Protection

MAY 2 1997

1) Date: April 30, 1997  
2) Operator's well number  
Wise #1  
3) API Well No: 47 - 017 - 02866 - F  
State County Permit

Permitting  
Office of Oil & Gas  
STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name H. G. Wise, et al Name None  
 Address 102 Cropper Street Address \_\_\_\_\_  
Weirton WV 26062
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
 Address \_\_\_\_\_ Name Consolidation Coal Company  
 Address PO Box 1632  
Fairmont WV 26554
- (c) Name \_\_\_\_\_ Name \_\_\_\_\_  
 Address \_\_\_\_\_ Address \_\_\_\_\_
- 6) Inspector Mike Underwood (c) Coal Lessee with Declaration  
 Address Route 2 Box 135 Name \_\_\_\_\_  
Salem WV 26426 Address \_\_\_\_\_  
 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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)  
x Certified Mail (Postmarked postal receipt attached)  
 \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

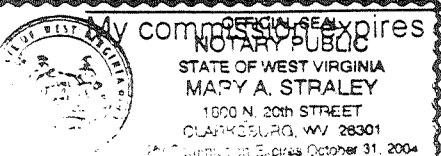
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator INTERSTATE DRILLING, INC.  
 By: [Signature]  
 Title: Executive Vice President  
 Address Route 3 Box 89-V  
Weston WV 26452-9620  
 Telephone (304) 269-6441

Subscribed and sworn before me this 30 day of April, 1997

[Signature] Notary Public



October 31, 2004