

2700 Beren -4

Wilbur (92)

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

# APR 2 6 1979

## Oil and Gas Division WELL RECORD

#### OIL & GAS DIVISION DEPT. OF MINES

| Quadrangle | West | Union | 7 | 1/2 |
|------------|------|-------|---|-----|
|            |      |       |   |     |

| Permit No.     | 47-017-2                   | 2361   |  |                |                |                   | d Combx d Storage (Kind)   |
|----------------|----------------------------|--|--|----------------|----------------|-------------------|--|
| CompanyI       | ndustria                   | ıl Gas Associa   | ites   | C              |                |                   |  |
| Address Box    | 1610. (                    | Greenwich, Con   | <u>necticut</u>  | Casing and     | Used in        | Left              | Cement fill up   |
| Farm_Hane      | S                          | A  | Acres 121  | Tubing         | Drilling       | in Well           | Cu. ft. (Sks.)   |
| Location (wat  | ers)A1                     | nolds Creek  |  | C:             |                |                   |  |
| Well No        | 2                          | J.   | lev. 990   | Size<br>20-16  |                | age of the second |  |
| DistrictC      | entral_                    | County_Dod   | dridge   | Cond.          | Lawy group (I) | ***               | and the state of t |
|                |                            | wned in fee by   |  | 13-10"         |                |                   |  |
| Pa             | ul McCut                   | chan   |  | 9 5/8          |                |                   |  |
| Address        | West Un                    | iion, W.V.   | <del>a comune de la colonida de la colonida con contra constituida de la colonidad de la colonidad</del> | 8 5/8          | 239            | 1 220             |  |
|                |                            | by Paul McCut  |  | 7              | <del> </del>   | 239               | 115 Sk   |
|                |                            | West Union.  |  | 5 1/2          | <del>\</del>   |                   |  |
|                |                            | 3/27/79  |  | 4 1/2          |                |                   |  |
|                |                            | 3/31/79  |  | 3              |                | 2341              | 115 Sk:  |
|                |                            |  |  |                |                | -                 |  |
| cincl 1        | 400 00                     | cu. ft   | bbls.  | 2              | <del> </del>   |                   |  |
| v mar producti | νη <del>γυυς υυ</del><br>Λ | O_cu. ft. per dayhrs. before test_   | bbls.  | Liners Used    | -              |                   |  |
|                | Woire E                    | raced with 31  | Λ 73 73 T  | Attach copy of |                |                   |  |
| Formation      | Color                      | & Injun  Hard or Soft  |  |                |                |                   |  |
| Soil           | Brown                      | Soft   |  |                | On, Gas of     | water -           | · Kemarks  |
| Sand & Sh      |                            |  | 0<br>10  | 10<br>1042     |                |                   |  |
| lst Cow H      |                            |  | 1042   | 1080           |                |                   |  |
| ale            | Black                      | Soft   | 1080   | 1110           |                |                   |  |
| d Cow Run      | White                      | Boft   | 1110   | 1150           |                |                   |  |
| ale            | Black                      | Soft   | 1150   | 1850           |                |                   |  |
| g Lime         | White                      | Hard   | -1850  | 1942           |                |                   |  |
| g Injun        | White                      | Hard   | 1942   | 2052           |                |                   |  |
| ale            | Black                      | Soft   | 2052   | 2144           |                |                   |  |
| ir<br>ale      | Brown                      | Soft   | 2144   | 2302           |                |                   |  |
| D.             | Black                      | Soft   | 2302   | 2396           |                |                   |  |
| <i></i>        |                            |  |  | 2396           |                |                   |  |
|                |                            |  |  |                |                |                   |  |
|                |                            |  |  |                |                |                   |  |
|                |                            |  |  |                |                |                   |  |
|                |                            |  |  |                |                |                   | [18] 海山東等的   |
|                |                            | and the second s |  |                |                |                   |  |
|                |                            |  |  |                |                |                   |  |
|                |                            |  |  |                |                |                   |  |
|                |                            |  |  |                |                |                   |  |
|                |                            |  |  |                |                |                   |  |





OIL & GAS DIVISION
DEPT. OF MINES

#### Oil and Gas Division

### OIL AND GAS WELL PERMIT APPLICATION

| TO THE DEPARTMENT OF MINES,   |   |  |  |  |
|---|---|--|--|--|
| Charleston, W. Va.  | DATE3/21/79   |  |  |  |
| Surface Owner W.P. McCutchan  | Company IndustrialGas Associates  |  |  |  |
| Address Box 8, West Union, W.V.   | Address <u>Box 1610, Greenwich, Cona. 06830</u>   |  |  |  |
| Mineral Owner W.P. McCutchan - L.G. Harmer  | Farm L.G. Hanner Acres 121  |  |  |  |
| Address Box 8, West Union, W.V.   | Location (waters) Arnolds Creek   |  |  |  |
| Coal Owner N/A  | 2004  |  |  |  |
| Address N/A   | District Central County Doddridge   |  |  |  |
| Coal Operator N/A   | Quadrangle West Union 7 1/2   |  |  |  |
| AddressN/A  | <u>-</u>  |  |  |  |
| THIS PERMIT MUST BE POSTED AT THE WELL SITE   |   |  |  |  |
| All provisions being in accordance with Chapter 22,   |   |  |  |  |
|   | NSPECTOR  |  |  |  |
| for <u>drilling</u> . This permit shall expire if   | O BE NOTIFIED Mr. Paul Garrett  |  |  |  |
| onerations have not commenced by 11-27-79.  | DDRESS 321 Beach St., Clarksburg, W.V.  |  |  |  |
| Deputy Director - Oil & Gas Division  | 3082. 622 an 387 1  |  |  |  |
| GENTLEMEN:  |   |  |  |  |
| The undersigned well operator is entitled to drill upon the   | e above named farm or tract of land for oil and gas, having fee   |  |  |  |
|   | lated19   |  |  |  |
|   | and recorded on the 15th day of Jan.  |  |  |  |
| 19_79, in _Doddridge County, Book107  | · and an add  |  |  |  |
| NEW WELLDRILL DEEPER  | REDRILLFRACTURE OR STIMULATE  |  |  |  |
| OIL AND GAS WELL ORIGINALLY DRILLED   | BEFORE JUNE 5, 1969.  |  |  |  |
| The enclosed plat was prepared by a registered engineer chave been notified as of the above date.                   | or licensed land surveyor and all coal owners and/or operators  |  |  |  |
| The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fi | notified that any objection they wish to make, or are required iled with the Department of Mines within ten (10) days. *              |  |  |  |
|   | registered mail, or delivered to the above named coal operators day before, or on the partment of Mines at Charleston, West Virginia. |  |  |  |
|   | Very truly yours,   |  |  |  |
| PLEASE SUBMIT COPIES OF ALL   | Industrial Gas Associates   |  |  |  |
| GEOPHYSICAL LOGS DIRECTLY TO:   | (Sign Name)   |  |  |  |
| WEST VIRGINIA GEOLOGICAL AND  | P.O. Box 1610   |  |  |  |
| Addres  | SS Street   |  |  |  |
| of Well Oper  | ator Greenvich  |  |  |  |
| MORGANIOWN, WEST VIRGINIA 26505   | City or Town  |  |  |  |
| AC-304 - 292-6331   | Connecticut 06830   |  |  |  |
|   | State   |  |  |  |

\*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.

47-017-2361 PERMIT NUMBER

### THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

| PROPOSED WORK ORDER T  | ODRILL   | DEEPEN                                      | _ FRACTURE-STIMULATE   |  |  |
|--|--|---|--|--|--|
| DRILLING CONTRACTOR: (   |  | RESPONSIBLE AGEN                            |  |  |  |
| NAME Gene Stalnaker  |  |   | s Frederick  |  |  |
| ADDRESS Letter Gap. 1  |  |   |  |  |  |
| TELEPHONE 462-7092   |  |   | 7484   |  |  |
|  |  |   | CABLE TOOLS  |  |  |
| PROPOSED GEOLOGICAL FO   | RMATION:   | -   |  |  |  |
| TYPE OF WELL: OII  | GAS  | COMB STORA                                  | GE DISPOSAL  |  |  |
|  | RECYC  | LING WATER F                                | FLOODOTHER   |  |  |
| TENTATIVE CASING PROGR   | AM:  |   |  |  |  |
| CASING AND TUBING<br>SIZE  | USED FOR<br>DRILLING   | LEFT IN WELL                                | CÉMENT FILL UP<br>OR SACKS - CUBIC FT.   |  |  |
| 20 - 16  |  |   |  |  |  |
| 13 - 10  |  |   |  |  |  |
| 9 - 5/8  |  |   |  |  |  |
| 8 - 5/8  | 240  | 240   | Circ   |  |  |
| 7  |  |   |  |  |  |
| 5 ½  |  | 5% 9% 5% 16%                                |  |  |  |
| 4 ½  |  | 2700  | Perf. Top  |  |  |
| 2  |  |   | Perf. Bottom   |  |  |
| Liners   |  |   | Perf. Top  |  |  |
|  |  |   | Perf. Bottom   |  |  |
| -  |  |   |  |  |  |
| OF PLAT.  TO DRILL DEEPER OR REDI SUBMIT FIVE (5) COPIE WELLS DRILLED PRIO MUST ALSO BE SUBMIT TO FRACTURE - STIMULATE | RILL:<br>ES OF OG - 1, SHOWING OR<br>R TO 1929, A PERMANENT<br>TTED.     | IGINAL PERMIT NUMBER<br>COPY OF THE PLAT AN | E BOND AND PERMANENT COPY  AND PERFORMANCE BOND. ON  ID THE ORIGINAL WELL RECORD  (5) COPIES OG - 1, PERFORMANCE |  |  |
| OIL AND/OR GAS WELI  | AT AND ORIGINAL WELL I<br>ORIGINALLY DRILLED ON<br>NUMBER, AND PERFORMAN | AND/OR AFTER JUNE 5,                        | 1929, FIVE COPIES OG - 1, SHOW-  |  |  |
|  | filed within ninety (90) days  |   | ase. Inspector to be notified twenty-  |  |  |
|  |  |   |  |  |  |
|  |  |   |  |  |  |
| The following waiver mu  | st be completed by the coal  | operator if the permit is to                | be issued within ten days of receipt   |  |  |
| WAIVER: I the undersigned,   | Agent for  |   | wner or Operator of the coal under<br>ocation.   |  |  |
|  |  |   | id well being drilled at this location, and 7, Chapter 22 of the West Virginia                                   |  |  |
|  |  |   |  |  |  |
|  |  | · · · · · · · · · · · · · · · · · · ·       | For Coal Company   |  |  |

Official Title