





## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

| Quadrangle . | A STITIZE   |
|--------------|-------------|
| Permit No    | DOD-560 - D |

## WELL RECORD

Oil or Gas WellOil &Gas

|                             |                           |                 |   |   |                      | 011 01  | (KIND  |
|-----------------------------|---------------------------|-----------------|---|---|----------------------|---|--|
| Company Natio               |                           |                 |   | Casing and                              | Used in              | Left in   | VAINO  |
|                             | x 218 Penns               |                 |   | Tubing                                  | Drilling             | Well  | Packers  |
| Farm Peter I                |                           |                 | Acres 137                               |   |                      |   |  |
| Location (water             | rs)#7                     | rrer            |   | Size                                    |                      |   |  |
| Well No.                    |                           |                 | _Elev. 875                              | 16                                      |                      |   | Kind of Packer   |
|                             |                           |                 |   |   |                      | <del></del>   |  |
| The surface of the Peter Hi | tract is owned intract is | in fee by       |   | 10                                      |                      |   | Size of  |
|                             | 10011                     | _Address        |   | 81/4                                    | 1088                 | 1088  |  |
|                             |                           |                 |   | . , 0                                   |                      |   | Depth set  |
|                             |                           |                 |   |   |                      |   |  |
| Drilling commen             | nced Feb 6 1              | .962            |   | 3                                       | 27 43                | 2711  | Perf. top  |
|                             |                           | •               | 962                                     |   |                      |   | Perf. bottom   |
| Date Shot                   | Fro                       | om              | Го                                      | Liners Used                             |                      |   | Perf. top  |
| With                        |                           |                 | *************************************** |   |                      |   | Perf. bottom   |
| Open Flow                   | /10ths Water              | in              | Inch                                    |   |                      |   | T CIT. DOUGH   |
| 1                           | _/10ths Merc.             | in              | Inch                                    | CAGING CDN                              |                      | ~~~ 29  |  |
|                             |                           |                 | Cu. Ft.                                 | CASING CEM                              | LENTED               | SIZE3"  | No. FtDate   |
| Rock Pressure_              |                           | lbs             | hrs.                                    |   |                      |   |  |
| Oil                         | <del></del>               |                 | bbls., 1st 24 hrs.                      | COAL WAS I                              | ENCOUNTERE           | D AT 575  | FEET 724 INCHES  |
| WELL ACIDIZ                 | ED                        |                 |   | FEE                                     | TIN                  | CHES  | FEETINCHES   |
|                             |                           |                 |   | FEE                                     | TIN                  | CHES  | _FEETINCHES  |
| WELL FRACTI                 | URED May 2                | 8 1962 With     |   |   |                      |   | Sand   |
| 900 Ber                     | crel of Aci               | <u>d</u>        | •                                       |   |                      |   | <b>W</b>   |
| RESULT AFTE                 | R TREATMEN                | iO Tr           | 1 and Gas Sho                           | TV .                                    | Volumes              | 2.7   |  |
| ROCK PRESSU                 | RE AFTER T                | REATMENT        |   | 560 lbs                                 |                      |   |  |
| Fresh Water                 |                           | Feet            |   | Salt Water                              |                      | Fa  | et   |
|                             | T                         |                 |   |   |                      |   |  |
| Formation                   |                           | Hard or<br>Soft | 1 1                                     | Bottom                                  | Oil, Gas<br>or Water | Depth   | ,  |
| This is                     | a continu                 | ation of wel    | . report sent                           | to you on                               | the same w           | ell. through  | the Injon sand   |
| iou sent                    | me a Plug                 | ing premit o    | n April 6 196                           | 2 for this                              | well Then            | re decided  | to drill to the  |
| Sand                        | Dark                      | Medium          | this Record a                           | t that poin                             | c or Depth           | T.D. 2076   | •  |
| Slate                       | Crey                      | Med             | 2255                                    | 2380 v                                  | real                 |   | •  |
| Wear San                    |                           | Med             | 2380                                    | 2405                                    | Show of O            |   |  |
| Shells                      | Dark                      | Med             | 2405                                    | 2492                                    | 011011 01 0.         |   |  |
| Slate                       | Dark                      | Med             | 2492                                    | 2575                                    | •                    |   |  |
| Sla <b>te</b>               | Dark                      | Med             | 2575                                    | 2673                                    |                      |   |  |
| Sand                        | Brown                     | Hard            | 2673                                    | 2684                                    | Show of G            | as 268 <b>9</b> i   | exma Stray Gordon  |
| Shells                      | Gray                      | Med             | 2684                                    | 2765                                    |                      |   |  |
| Dana 20                     | Dia 40 07                 | ١               |   | T.D.                                    |                      |   |  |
| run 5"                      | Pipe to 27.               | μò              |   |   |                      |   |  |
| This Wel                    | l was Perf                | erated and F    | ractured at 2                           | 684 and 23                              | 9 <b>6</b>           |   |  |
|                             | T *****                   | Tradou and I    | acomed ao 2                             | رح عالم 2004                            | <del>,</del> 0       |   |  |
|                             |                           |                 |   |   |                      |   |  |
|                             |                           |                 |   |   |                      |   |  |
|                             | 1                         | ì               | 1                                       |   |                      |   |  |
|                             |                           |                 |   |   |                      | 1   |  |
|                             |                           |                 |   |   | •                    |   |  |
|                             |                           |                 |   |   | •                    |   |  |
|                             |                           |                 |   |   |                      | 6780  | Trans.   |
|                             |                           |                 |   |   |                      | 56789   | 7077   |
|                             |                           |                 |   | * · · · · · · · · · · · · · · · · · · · | ·<br>le              | 6789  | 10 m   |
|                             |                           |                 |   | Tak .                                   | ļo.                  | 6 789.  |  |
|                             |                           |                 |   |   |                      | 56789   | TO TO SERVICE OF THE PARTY OF T |
|                             |                           |                 |   |   |                      | 56789<br>10 1000<br>10 1000<br>RESIDENT   | Mines Mines  |
|                             |                           |                 |   |   |                      | 6789<br>101 1002<br>101 1002<br>RECOVER   | Mines 110  |
|                             |                           |                 |   |   | · CERNINA            | 2 56789<br>111 1482<br>111 1482<br>1482<br>1482<br>1482<br>1482<br>1482<br>1482<br>1482 | TO TO THE STATE OF |



## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

| Quadrangle             | Vadia                                 |                      | OIL AND            | GAS DIVISION               | 2                   |                       |                                       |  |
|------------------------|---------------------------------------|----------------------|--------------------|----------------------------|---------------------|-----------------------|---------------------------------------|--|
| Permit No              | DoD 560                               |                      | WELL               | RECORD                     |                     | Oil or                | Gas Wel                               |  |
| Company                |                                       | roducers Inc         |                    |                            |                     |                       |                                       | (KIND)   |
| Address                | Box 218 Pe                            | nnsb <b>oro</b> W.   | Va.                | Casing and<br>Tubing       | Used in<br>Drilling | Left in<br>Well       |                                       | Packers  |
| Farm Peter             | Hudson Hrs                            |                      | Acres 137          |                            |                     |                       |                                       |  |
| Location (water        |                                       |                      |                    | Size                       |                     |                       |                                       | •  |
| Well No                | .14.                                  | 1                    | Elev. 875          | 16                         | 16                  | 16                    | Kind                                  | of Packer  |
|                        |                                       | County Dods          |                    | 13                         |                     |                       | T T T T T T T T T T T T T T T T T T T | of Tacket  |
|                        |                                       | •                    | r Hudson Hrs       | 10                         | 2801                |                       | Size                                  | f  |
|                        | •                                     |                      |                    | 81/4                       | 1088                |                       |                                       |  |
|                        |                                       |                      |                    | 65/8                       | 1363                |                       | Denth                                 | set  |
| Timerar rights         |                                       |                      |                    | 5 3/16                     | 1641                |                       | Deptil                                | SCu  |
| Drilling comme         |                                       | 6 1962               |                    | 3                          |                     |                       | Porf                                  | top  |
| Drilling comple        |                                       | April 4 <b>1</b> 969 | 2                  | 9                          |                     |                       | ľ                                     | bottom   |
|                        |                                       | m [                  | Γο                 | Liners Used                |                     |                       |                                       |  |
|                        |                                       |                      |                    | Liners Used                |                     |                       | •                                     | top  |
|                        |                                       |                      | O Inch             |                            |                     |                       | Perf.                                 | bottom   |
| •                      |                                       |                      |                    |                            |                     |                       |                                       |  |
|                        | •                                     | in                   |                    | CASING CEM                 | IENTED              | SIZE                  | No. Ft.                               | Date   |
| Volume                 |                                       |                      | Cu. Ft.            |                            |                     |                       |                                       |  |
|                        | ^                                     |                      | hrs.               | COAL WAS I                 | PNICATINITEDE       | ים איזי <b>ביי</b> ים | rer.                                  | 581 INCHES   |
| Oil                    |                                       | 0                    | bbls., 1st 24 hrs. |                            |                     |                       |                                       |  |
| WELL ACIDIZ            | ED                                    | <u> </u>             |                    | FEE                        | CTIN                | CHES                  | FEET_                                 | INCHES   |
|                        | · · · · · · · · · · · · · · · · · · · |                      |                    |                            |                     | CHES                  | FEET_                                 | INCHES   |
| WELL FRACT             | URED                                  | N                    | 0                  | • •                        | ·                   |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |
|                        |                                       |                      | Тор                |                            |                     |                       | eet                                   |  |
| o <b>il</b>            | Brown                                 | Soft                 |                    | 12                         |                     |                       |                                       |  |
| uick-Sand              | White                                 | Soft                 | 12                 | _ <b>2</b> 8               |                     |                       |                                       |  |
| 1me                    | Grey                                  | Hard                 | 28                 | 35                         |                     | ,                     |                                       | Hole Full of   |
| and<br>late-Shells     | Grey<br>White                         | Hard<br>Hard         | 35<br>60           | 60                         | /                   |                       |                                       | Water 60*  |
| eq-gock<br>race-ouerre | Red                                   | Soft                 | 136                | 136<br>146                 |                     |                       |                                       |  |
| late                   | White                                 | Soft                 | 146                | 175                        |                     | 7 7                   | 0 .                                   | 1 × 1  |
| and                    | White                                 | Hard                 | 175                | 200                        |                     |                       |                                       |  |
| he <b>lls</b>          | White                                 | Soft                 | 200                | 285                        |                     | <u> </u>              | 2                                     | 80' 8 " Pip  |
| Sand                   | White                                 | Hard                 | 285                | 290                        |                     |                       |                                       | ,  |
| late                   | Grey                                  | Soft                 | 290                | 300                        |                     |                       |                                       | : 0 t  |
| od Rock                | Red                                   | Soft                 | 300                | 315                        | PLUGGING            | PERMIT I              | 10D-550                               | -P   |
| hells<br>ed Rock       | Grey<br>Red                           | Soft<br>Soft         | 315<br>340         | 340<br>360                 | HAS BEEN            |                       |                                       | LL   |
| d Lime                 | Red                                   | Hard                 | 360                | 370<br>370                 | DRILLED             | DEEDER MA             | Y 28.                                 | 1962.  |
| ime                    | White                                 | Hard                 | 370                | 375                        |                     |                       |                                       |  |
| Red Rock               | Red                                   | Soft                 | 375                | <b>3</b> 95                |                     |                       |                                       |  |
| <b>a</b> nd            | Grey                                  | Hard                 | 395                | 405                        |                     |                       |                                       |  |
| She <b>lls</b>         | Grey                                  | Med                  | 405                | 425                        |                     |                       |                                       |  |
| Sand                   | Grey                                  | Hard                 | 425                | 455                        |                     | 7                     | 20563                                 | The same of the sa |
| Slate<br>Red Rock      | Grey<br>Red                           | Med<br>Soft          | 455                | 533<br>537                 |                     | 100                   | A                                     | 830  |
| ime                    | Grey                                  | Hard                 | 533<br>537         | <b>5</b> 3 <b>7</b><br>575 |                     |                       |                                       |  |
| Coal.                  | Black                                 | Soft                 | 575                | 58 <b>1</b>                |                     | 183                   | Ari.                                  | 172 131  |
| Slate                  | White                                 | Med                  | 581                | 615                        |                     |                       | PEN                                   | ्र द्रो  |
| and                    | <b>White</b>                          | Med                  | 615                | 640                        |                     | 16 1°                 | $ \nabla V_T _{2h}$                   | ila 🔊  |
| late                   | Grey                                  | Med                  | 640                | 663                        | S                   |                       | ··· of Mi.                            | is Si  |
| Sand                   | White                                 | Hard                 | 663                | 6 <b>70</b>                |                     | 15.45                 | >-, .                                 | CA DE  |
| Shells                 | Grey                                  | Soft                 | 670                | 68 <b>0</b>                |                     | 1.00                  | CC12(12)                              | المنظيلة   |
| Red Rock               | Red                                   | Soft                 | 68 <b>0</b>        | 695                        | *                   |                       |                                       |  |

(over)

| Formation  | Color   | Hard or<br>Soft  | <b>Т</b> ор <i>3</i>  | Bottom   | Oil, Gas<br>or Water | Depth<br>Found | Remarks  |
|--|---|--|---|--|----------------------|----------------|----------|
| Slate Red Rock Shells Sand Shells Red Rock Lime Slate Lime Shells Slate Sand Slate Gas Sand Slate Sand Slate Sand Slate Jat Salt Water Sand Ist Salt Shalls 2nd Salt Shalls 2nd Salt Lime Shells Lime Red Rock Lime Shells Little Lime | Grey Red White Grey Bey White White White White Black Black Grey Grey White White Grey Black Grey Black Grey Black Grey Black Grey Black Grey Black | Med 750 Soft Med Hard Hard Med Med Hard Hard Med Hard Med Hard Med Hard Med Hard Med Hard Med Soft Hard Med Hard | 695<br>750<br>760<br>803<br>817<br>910<br>925<br>940<br>950<br>1020<br>1055<br>1085<br>1096<br>1130<br>1160<br>1185<br>1334<br>1350<br>1361<br>1365<br>1520<br>1630<br>1667<br>1685<br>1810<br>1823<br>1825<br>1845 | 750<br>760<br>803<br>817<br>910<br>925<br>940<br>950<br>1085<br>1085<br>1096<br>1130<br>1160<br>1185<br>1354<br>1361<br>1365<br>1365<br>1667<br>1685<br>1810<br>1823<br>1825<br>1845<br>1888 |                      |                | of Water |
| Little Lime Slate Big Lime Keener Sand Critty Lime Injun Sand Lime Slate   | Dark White Grey Dark Grey Hrey Black White  | Hard<br>Soft<br>Hard<br>Hard<br>Hard<br>Hard<br>Soft   | - 1875<br>1888<br>-1910<br>1965<br>1970<br>1980<br>2031<br>2057   | 1888<br>1910<br>1965<br>1970<br>1980<br>2031<br>2057<br>2076 T.D.  |                      |                |          |
|  |   |  |   |  |                      | 27.5           |          |
|  |   |  |   |  |                      |                |          |
| •  | į   | . T 5  | ·   |  |                      |                |          |
|  |   | · · · · · · · · · · · · · · · · · · ·  |   |  | 12. S                |                |          |
|  |   | 1  | 1.75  |  |                      | ;              |          |
|  | uel un<br>la<br>un o la   | 1  | •   |  |                      |                |          |
|  |   |  | Milya Milyana a saning dia jaja mana anga anga anga anga anga anga ang  |  |                      |                | ., .     |

|          | Apri<br>Date | .1 4 1962 | 19           |
|----------|--------------|-----------|--------------|
| PPROVED_ | National Pro |           | <br>., Owner |
| Ву       |              |           |              |
| - •      |              | (Title)   |              |



## STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVSION OF OIL AND GAS

Englormental Precuent FIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE 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:            | HUDSON   |                                     | O               | perato             | or Well No                              | .: #1        |                        |
|-----------------------|--|-------------------------------------|-----------------|--------------------|---|--------------|------------------------|
|                       | Elevation: District: Latitude: Longitude OIL X | 890 (<br>GREENBRIER<br>Feet<br>Feet |                 | •                  | Country                                 | DODDDTDG     | Sec.                   |
| Well type:            | OIL X  | GAS                                 |                 |                    | _                                       |              |                        |
| Company: DIV          | ISION OF ENVIR                                 | ONMENTAL PROT                       |                 |                    | Operator_                               |              |                        |
| <u> 10</u><br>TIN     | MCJUNKIN ROAD<br>TRO WV 25143                  | -2506                               | _               |                    |   |              |                        |
| Agent: JA             |  | -2300                               |                 | Coal               | Operator                                |              |                        |
| Inspector:            | MIKE UNDERWO                                   | OD                                  | <del></del>     | or Ow              |   |              |                        |
| Permit Issu           | ed: 02/14                                      | /94                                 |                 |                    | _                                       |              |                        |
|                       |  |                                     | AFFIDA          | VIT                |   |              |                        |
| STATE OF WE County of | ST VIRGINIA,<br>UPSHUR                         | ss:                                 |                 |                    |   |              |                        |
|                       |  | •<br>,                              | . 3             |                    |   |              | , ,                    |
| first duly            | y Smith  |                                     |                 |                    | Sorcan                                  | they ar      | being<br>e experienced |
| in the wor            | k of pluggin                                   | g and fill                          | ing oi          | l and              | gas wells                               | and wer      | e employed by          |
| DIVISION OF           | ENVIRONMENTAL                                  | PROTECTION                          | , wel           | l ope              | erator, an                              | nd partic    | ipated in the          |
| work of pl            | ugging and                                     | filling th                          | e abov          | e well             | l, that sa                              | id work      | was commenced          |
| on the                | day o  | f February                          |                 | 1994,              | , and that                              | the wel      | l was plugged          |
|                       | in the follo                                   | wing mann<br>FROM                   | er:             | TO                 | DIDE                                    | DEMOUED      | r m m m                |
| cement                | .F.E.  | 2430                                | 1 1             | 950                | 3" 140                                  | REMOVED      | LEFT   1334            |
| 6 % gel               |  | 1950                                | !               | urface             |   |              | 659                    |
| cement                | i  | 1407                                | - I             | 307                |   | <del></del>  |                        |
| cement                |  | 705                                 | _ '             | 550                |   |              |                        |
| cement                |  | 100                                 | _ <u> </u> s    | urface             |   |              |                        |
|                       |  |                                     | _               |                    |   |              |                        |
|                       |  |                                     | -               |                    | <del>-</del>                            |              |                        |
|                       |  |                                     | -               |                    |   |              |                        |
|                       |  |                                     |                 |                    | i                                       |              |                        |
|                       |  |                                     | _               |                    |   | 11/1         | 4 6181941              |
| Descri                | ption of mon                                   | ument: /"                           | casing          | 3 reet             | out of gro                              | ouna.        | <del> </del>           |
| and th                | at the work<br>day of Febru                    | of plugg                            | ing an          |                    | ling said                               | well was     | completed on           |
|                       | deponents s                                    |                                     | _, _,_          | $\frac{\Delta}{2}$ | -/222                                   | C. if        | ļ.                     |
| And lutenut           | deponents s                                    | aren noe.                           |                 |                    | ooney                                   | <u> muit</u> | <u> </u>               |
| CHORD OFFICIAL S      | ******   | ioro mo bhi                         | a 2.4           |                    | Mun                                     | Soven        | 10 00                  |
| SWOIN NEIGHT PE       | Bloscribe bef                                  | ore me thi                          | s <u>&amp;4</u> | day                | of Sei                                  | leruar       | 19 94                  |
| ALE STATE ALE         |  | 47 TO                               |                 |                    | \oo                                     |              | 26.10.                 |
| BUCKBANKON.           | 65D<br>WV 28201                                | 1/2                                 |                 | 1                  | No                                      | tary Pub     | lic                    |
| My Gammission Expires | AUG. 4, 2003<br><del>부부부부부</del> 주 <b>차</b> 부송 | 11/1/k                              | Mark            | was                | 1 600                                   | N FA         | TUU 1 1 1994           |
| 16                    | 1  |                                     | 2009            | 7                  | 101111111111111111111111111111111111111 |              | 1001                   |
|                       |  |                                     |                 | •                  | · · · · · · · · · · · · · · · · · · ·   | ı            | * I                    |
|                       |  |                                     |                 | į                  |   |              |                        |