



STATE OF WEST VINGINIA

Oil and Gas Division

| | WELL | RECORD | | Rotary | X Uil |
|--|--|--|--|--|----------------|
| Quadrangle <u>Harris</u> ville, 7.5 | | | | Cable Recycling | |
| Permit No. 47-085-6699 | | | | | od_ Storage |
| Pauvall Paian | | | | | (K.nd) |
| Company Ferrell Prior | | Carrie and | I wall in | Lift | Carrantil |
| Address P. O. Box 1486, Parket Farm Newbrough Josie No. | teres 6 | .va. | Drilling | ın Well | Cament full up |
| Location (waters)Front_Run | | Size | | | 7 |
| Vell No. No. 1 E | | 20-1 | | - Addition | |
| District Union County Ri | <u>itchie</u> | Cond. | *Constitution of the state of t | | |
| he surface of tract is owned in fee by I Beall and O. A. Newbrough | Paul | 1XXX 11 3/ | 60 | 160 · | |
| | | 9 5/8 | | <u> </u> | |
| | | 8 5/8 | 1107 | 1107 | To surface |
| ineral rights are owned by Newbroud Address Harrisville | , W. Va. | <u>7</u> 5 1/2 | | | |
| rilling Commenced 9-20-1983 | | 4 1/2 | | 5000 | |
| rilling Completed 9-24-1983 | | 3 | + | 5960 | 630 sks. |
| nitial open flow Show cu. ((Sho | ow | 9 | . | | Cement |
| | The state of the s | 4 | <u> </u> | | - |
| ell open 4 hrs. before test | O Description | Liners Used | } | | - Company |
| 'ell treatment details: | RP. | | | | |
| | | Attach copy of | cementing reco | or d . | |
| NOWSCO Nitrogen, Fracture | | 28, 1983; | Four St | age s | |
| 750 000 000 0 | 5400 58 | 50 Hamilto | n 17 ho | 100 | |
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| armation Color Hard or Soft | Top Feet | Bottom Ic t | (iii) Carlor Water (1886) |
|--|--|--|--|
| hale and Stringers hale eir hale antz hale ifty Foot Sand hale ifty Foot Sand hale ordon hale ourth Sand hale ifth Sand hale lizabeth hale lizabeth hale pper Warren hale ower Warren hale ower Speechley hale irst Riley hale econd Riley hale econd Riley hale enson hale lexander hale pper Hamilton hale ower Hamilton hale lexander hale ppet Hamilton hale lexander hale ower Hamilton Shale hale larcellus otal Depth | 2000 2084 2110 2234 2312 2466 2488 2556 2580 2640 2700 2732 2770 2814 2860 2908 2924 2978 3010 3168 3196 3272 3338 3196 3272 3338 3436 3710 3798 3868 3918 4098 4226 4326 4358 4098 4450 4646 4768 4918 4952 5020 5020 5030 5030 5030 5030 5030 50 | 2732 2770 2814 2860 2908 2924 2978 3010 3168 3196 3272 3338 3360 3436 3710 3798 3868 3918 4098 4226 4326 4326 4358 4390 4450 4646 4768 4952 5020 5260 5350 5494 5860 5938 5960 | Perforations: 5400 5850 Rhinestreet 4650 5000 Java- angola 3700 4450 Huran 3250 3450 - Up Dev. undiff 2446 3494 |
| | | | |

Data September 29, 1983

APPROVED

Stephen Jordan



| 1) Date: | September | 14 | , 19 | 83 |
|-----------------------|---------------|-------|------|----|
| 2) Operato Well No | | 1) | | |
| 3) API Wa | il No. 47 - (| 085 - | 6699 | |

County

Permit

State

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

| 4) WELL TY | | | | | | | | | | | |
|---------------------------------------|---------------------------------------|--|----------------------------|--------------------|---------------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------|---------------------|
| | | | | | | | | | / Deep | _/ Shallow | <u>x</u> /) |
| 5) LOCATIO | | evation: _ | | | | | | Front Run | | **** | |
| | | strict: | | | | | ınty:F | Ritchie | Quadrangle: _ | <u> Harris</u> | <u>ville, 7</u> .5 |
| 6) WELL OP | | | | | mpan | Y | | 7) DESIGNATEI | AGENT Ferr | | or |
| Address | | . O. E | | | ` | | _ | Address | P. O. Bo | | |
| | _ <u>P</u> a | irkers | burg, | W. | Va. | <u> 2610</u> | 1 | | <u>Parkersbu</u> | rg, W. | <u>Va. 261</u> 01 |
| 8) OIL & GA | | | | | | | | 9) DRILLING CO | ONTRACTOR: | | |
| Name | | | | | | ····· | | Name <u>W</u> | <u>illiam Putm</u> | an | |
| Address | | . O. E | | ····· | | | | Address | <u>Mile Run</u> | | |
| | _Sr | nithvi | lle, | W. | Va. | ···· | | | <u> Mariett</u> | <u>a, Ohio</u> | <u>45750</u> |
| 10) PROPOSE | D WELL | WORK: | Drill | | | | | / Redrill | / Stimulate | | |
| | | | | | | n well (st | | rate new formation. | | المستوري والمستوري | Same Contraction |
| 11) GEOLOGI | CALTAD | CETEOD | | | | | | • | () | 143 | |
| 12) Estima | | | | | | 00 | | | \ | | 1 1983 - |
| 12) Estima | - | • | • | | | fe | feet | 37 | C- 4 | | |
| 13) Appro 14) Appro | | • | | | | | | , | feet. | | - V |
| 14) Appro | | | | 140 | 110 | | IS CC | oal being mirred in the | e area? Yes | CKE_N&_C | |
| , | AND IUB | | | | | tı. | | | _ | DEPT. | OF MINE |
| CASING OR TUBING TYPE | | SPEC | IFICATIONS Weight | ; } | | | | INTERVALS | CEMENT FILL-UP OR SACKS | PACE | KERS |
| · · · · · · · · · · · · · · · · · · · | Size | Grade | per ft. | New | Used | For | drilling | Left in well | (Cubic feet) | | |
| Conductor | | | | | ļ | | | | | Kinds | |
| Fresh water | | | | | ļ | | | | | | |
| Coal | | ļ | | | | | | | | Sizes | |
| Intermediate | - | | | | | | | | <u> </u> | | |
| Production | | 1 | - | | | | | | | Depths set | |
| Tubing | 8 5, | <u> 18</u> | | | | Τ(| 72 | 1072 | To surfac | e Neat | By Ruse. |
| Liners | 1 . | | | | | | ~~~ | | | Perforations: | |
| Casing | 4 1/2 | | | | | | | 5200 | 545 sks. | Тор | Bottom |
| | # | | - | | | | | | Cement | | |
| | 1 | | | | <u> </u> | | | | 1 | L | |
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| | · · · · · · · · · · · · · · · · · · · | | | | | OFFIC | E LICE | ONIT N | *** | | ····· |
| | | ······································ | | | | | E USE | | | | |
| | (7 | 005 (| | | | DKILL | ING PE | KMII | | | |
| Permit number _ | 4/- | -085-66 | 099 | | | | | · | September : | 15, | ₁₉ 83 |
| | | | | | | | | | Dat | e | |
| This permit cove | ring the w | ell operato | or and well | locatio | on showi | n below is | evidence | of permission grante | ed to drill in accordan | ce with the per | tinent legal re- |
| quirements subje | ect to the c | onditions of | contained l | nerein a | ınd on th | ie reverse | hereof. N | otification must be | given to the District O | il and Gas Insp | ector, (Refer to |
| No. 8) Prior to district oil and g | the constru as inspecto | uction of re or 24 hours | oads, locat s before ac | ions an tual ne | i d pils fo rmitted i | r any peri vork has | milled wor commence | k.in addition, the wi | ell operator or his con | tractor shall no | otify the proper |
| | | | | | | | | | | | |
| everse hereof. | | | | | аррисано | on, piat, a | ind reciam | ation plan, subject to | o any modifications ar | nd conditions s | pecified on the |
| Permit expires _ | Se | ptember | r 15, 1 | L985 | | | unless well | work is commenced | prior to that date and | prosecuted with | h dua diliganca |
| ·F | | | | | | | .= | or a so commenced | prior to that date and | prosecuted with | i due umgence. |
| DI | | | | | T | _ | | | | | |
| Bond: | Ager | < 1 / | | Casir | | Fee | | | | | |
| act Duit | | 1 /2 | * C | 12 | 19 | 1280 | | <u></u> | 1 | _ | |
| - | | | L | | | | J H | Jalour | Jan 6 | 5 | |
| | | | | | | | | Admi | nistrator, Office of O | il and Gas | * |
| NOTE: Keep o | пе сору оі | f this perm | it posted a | t the d | rilling lo | cation. | | даш | | ii aliu Uas | |
| | | | · | | - | | | | | | File |

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.