

IV-35 (Rev 8-81)



OIL & GAS DIVISION
DEPT. OF MINES



Sinte of Mest Airginia Pepartment of Mines Oil und Gas Division

| Date_ | Nove | mber | 14, | 1983 | |
|---------------|------|------|-----|------|--|
| Ober <u>a</u> | | | | | |
| Well | No | 1 - | 191 | 4 | |
| | | | | | |

Farm Junior F. Powell #1

API No. 47 - 053 - 0305

WELL OPERATOR'S REPORT
OF

CRRECTED

DRILLING, FACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

| WEIL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production x / Underground | / Wast nd Storag | e Disposal e/ Deep | L/ p/ Sha | 1104_×/) |
|---|---------------------|-----------------------|--------------|------------------|
| IOCATION: Elevation: 568.21' Watershed Fla | atfoot Cre | ek | | |
| District: Clendenin County Mason | | | e Apple Gr | ove |
| • | | | | |
| | | | | |
| COMPANY INTON DRILLING INC | | | | Cerent |
| ADDRESSP. O. Drawer 40. Buckhannon, W 26201 | Caşing | Used in | Left | fill up |
| DESIGNATED AGENT Joseph C. Vanzant, Jr. | Tubing | Drilling | in Well | Cu. ft. |
| ADDRESS P. O. Drawer 40, Buckhannon, WV 26201 | Size | | | |
| SURFACE OWNER Lawrence W. & Delores Powell. | 720-16 Cord. | | • | |
| ADDRESS Apple Grove, WV 25502 | 13-10" | | | |
| MINERAL RIGHTS OWNER Same as Surface Owners | 9 5/8 | 707.95 | 707.95 | 266 cf |
| ADDRESS | 8 5/8 | | | |
| OIL AND GAS INSPECTOR FOR THIS WORK JETTY | 7 | 1922.90 693.88 | 693.80 | 59 cf |
| Taphaloh ADDRESSRT. #1. Box 101-A, Ripley, | | 03/3/88 | 093.60 | 35 61 |
| PERMIT ISSUED August 23, 1983 | 5 1/2 | | 3051.80 | 152 cf |
| DRILLING COMMENCED 09/29/83 | 4 1/2 | | 3031.00 | 135 62 |
| DRILLING COMPLETED 10/05/83 | 3 | | | |
| IF APPLICABLE: PLUGGING OF DRY HOLE ON | 2 | | 1 | |
| CONTINUOUS PROGRESSION FROM DRILLING OR . | Liners | | • | |
| REXORKING. VERBAL PERMISSION OBTAINED | used | | | • |
| ON | | | | |
| GEOLOGICAL TARGET FORMATION Devonian Shale | | | th 3189 | |
| Depth of completed well 3189 feet F | Totary X | / Cabl | e Tools_ | • |
| Water strata depth: Fresh 761 feet; | Salt 1418 | feet_ | | |
| Coal seam depths: 742/744 | Is coal | being min | ed in the | e area? <u>N</u> |
| OPEN FLOW DATA . | | | · | |
| Producing formation Devenian Shale | Dat | , zone den | th 3189 | fee |
| Gas: Initial open flow show Mcf/d | | | | |
| | | | | Bb1/ |
| Final open flow 119 Mcf/d | | | | |
| Time of open flow between initi | | | | |
| Static rock pressure 425 psig(surface | | ment) alte | 1 24 NOT | TES SUME I |
| (If applicable due to multiple completion- | | | . • | |
| | | y zone dep | | fee |
| Gas: Initial open flow Mcf/d | | | | Eb1/ |
| Final open flowMcf/d | | | | |
| Time of open flow between init | | | | |
| Static rock pressurepsig(surface | measurem | ent) after | ha | urs shut i |

DETAILS OF PERFORMED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

On 10/12/83 Halliburton Foam Fractured the Devonian Shale (2646/2958) with 196 BBL water, 60,000# sand and 893,000 SCF Nitrogen.

WELL LOG

| • | • | | • |
|---|---|--|--|
| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all and salt water, coal, oil an |
| Sand Sand and Shale Sand Coal Sand and Shale Big Lime Big Injun Sand and Shale Coffee Shale Berea | 0 130 230 742 744 1152 1268 1589 1798 1830 | 130 230 742 744 1152 1268 1589 1798 1810 | Water at 761' damp. Water at 1110' 2" Water at 1418' 1" |
| Top of Devonian Shale TO TD | 1650 | (3103) | from GR ban of 6110: 12.6. |
| • | | | 4. 2615 962 (349): |
| • | | · | A - 3005 |
| | | | Voistr- 791 3ck." |
| ••• | | | |
| • | | • | |
| • | | | • |
| | | | • |
| | • | | |

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By:

Operator

Joseph C. Pettey

Vice President of Presiden

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including



| 1) | Date: | Augus | st 1 | , 19 | 83 - |
|----|-----------------------|-------|---------|------|--------|
| 2) | Operator's Well No | 1 - | 1914 | | |
| 3) | API Well No. | 47 | - 053 - | 0305 | |
| • | | State | Coun | y | Permit |

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

APPLICATION FOR A WELL WORK PERMIT

| 4) WI | ELL TY | | | / G | | | | | | | |
|------------------------|---|---------------------------|----------------------------|----------------------------|-------------|--|--|--|---------------------------|--------------------|----------------|
| 6 | | | | | | | | | / Deep | / Shallow . | X/) |
| 3) LO | i) LOCATION: Elevation: 568.21 Watershed: Flatfoot Creek District: Clendenin County: Mason Quadrangle: Apple Grove | | | | | | | | | | |
| 6) W/I | | | | | | | | | | | |
| | D 0 D | | | | | | | | | | |
| | Auui css | · | | nannon | | | | Address | | nnon, WV | |
| 8) OII | I. & GA | S INSPEC | | BE NOTE | , | 20201 | | 9) DRILLING C | | mon, wv | 20201 |
| | | | | ner | | 4885 | | | on Drilling. | Inc. | |
| | Address | ומ |) #1 | | | | | Address | P. O. Drawe | | |
| • | | <u>Ba</u> | arbours | sville | , WV | 2550 | 4 | | Buckhannon, | | |
| 10) PR | OPOSE | D WELL | WORK: | Drill | χ. | _/ Drill | deeper | / Redrill | / Stimulate | | - |
| ŕ | | | | Plug of | f old f | ormation | / Perfora | | | | |
| | | | | | | | 11 / 10 \ | | | | |
| 11) GE | OLOGI | CAL TAR | GET FOR | MATION | , | Devo | nian Shale | | | | |
| | | | | | | | feet | | | | |
| 13) | Appro | ximate tra | ta depths: | Fresh, _ | | | | ? | | | |
| 14) | Appro | ximate coa | ıl s ea m dep | ths: | ? | | Is coa | l being mined in th | e area? Yes | / No | x/ |
| 15) CA | SING A | ND TUB | ING PRO | GRAM | | | | | | | |
| CASING TUBING | | • | SPEC | IFICATIONS Weight | 3 | . 1 | FOOTAGE IN | TERVALS | CEMENT FILL-UP OR SACKS | PACKE | RS |
| | | Size | Grade | per ft. | New | Used | For drilling | Left in well | (Cubic feet) | | |
| Conductor | | 9 5/8 | | 36# | X | | 300 | 300 | to surface | Kinds | |
| Fresh wate | r | | <u> </u> | | | | | | | | |
| Coal | | - | | 00.11 | | | | | | Sizes | |
| Intermedia | - | 4 1/2 | | 20# | X | | 2250 | <u> 2250</u> | 400 sks. | 1 | |
| Production | l | 4 1/2 | ļ | 10.5 | , X | | | 3500 | 350 sks. | Depths set | |
| Tubing Liners | | | | | | | | | | | |
| Liners | ······································ | | | | | | | | | Perforations: | |
| | | | <u> </u> | | | | | | # | Тор | Bottom |
| ·········· | | | | | | | | | 1 | | |
| | | | | | | 11 | | | -11 | И | |
| | | _ | | | | | | | | | |
| | | | | | | | OFFICE USE O | NLY | | | ** |
| | | | | | |] | DRILLING PER | RMIT | | | |
| Permit n | | 47 | '-053-0 | 305 | | | | | August 23 | 3. | 1983 |
| eriiit ii | umber_ | , | | ***** | | | | - | Dat | | 1900 |
| This perr | nit cove | ring the w | ell operato | or and wel | l locatio | n shown | below is evidence o | f nermission grant | ed to drill in accordan | | inent legal re |
| quiremen | its subje | ct to the c | onditions (| contained l | herein a | nd on the | e reverse hereof. Not | ification must be | given to the District Oil | l and Gas Inspec | tor, (Refer to |
| No. 8) P district o | rior to t il and ø: | he constru as inspecto | ction of re or 24 hours | ads, locati s before ac | ons and | l pits for | any permitted work. ork has commenced | In addition, the w | ell operator or his con | tractor shall noti | fy the proper |
| | | | | | | | | | | | |
| everse h | ereof. | | | | e and A | ppiicatio | n, piat, and reciama | tion plan, subject | to any modifications a | nd conditions spe | ecified on the |
| Permit ex | pires _ | Augus | st 23, | 1985 | | | unless well v | vork is commenced | d prior to that date and | prosecuted with | due diligence |
| | | | | | | | | | | p | and amgence. |
| Bond: | | Agen | t: | Plan | Casin | 90 | Fee | | | | |
| 13 | 7 | OZ | 4 | | | 771. | . 1 | , ĺ | | | |
| | | | 120 | 2 (| 10. | 10 | 55/ | 1: 11/2 | | | |
| | | | | | | | | 1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/ | il 1 | 21127 | |
| NOTE: | Keen a | ne conv of | this mar- | it mantail : | 1 1 1 1 1 1 | .:11: | : | Adm | inistrator, Office of O | il and Gas | |
| TOTE. | weeh o | пс сору от | ппо регт | it posted a | ii ine di | ming loc | auon. | | | | File |
| | | | See | the reverse | side of | the APF | PLICANT'S COPY | for instructions to | the well operator. | | |