





DEPARTMENT OF ENERGY Gil und Gas Bivision

Date February 17, 1986
Operator's
Well No. Ina E. #1 Farm George Anderson API No. 47 - 103 -1352

FEB 2 :

C.

WR-35

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

| ADDRESS Box 32, Reader, WV 26167 SURFACE CONNER George Anderson ADDRESS American Ridge, Box 21, New Martinsville MINERAL RIGHTS CONNER SAME ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Robert Ceneral Delivery Lowther ADDRESS Middlebourne, WV 5 1/2 PERMIT ISSUED June 27, 1985 DRILLING COMMENCED August 7, 1985 DRILLING COMMENCED August 17, 1985 DRILLING COMPLETED August 17, 1985 TRAPPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROCRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED CON GEOLOGICAL TARGET FORMATION Gordon Depth 3072 Depth of completed well 3231 feet Rotary X / Cable Tools Water strata depth: Fresh feet; Salt 2366 feet Coal seam depths: 1177 Is coal being mined in the area?No OPEN FLOW DATA Producing formation Gordon Pay zone depth 3072-3082 for Gas: Initial open flow 35 Mcf/d Final open flow 0 Bb: Final open flow 20 Mcf/d Final open flow 0 Bb: Time of open flow between initial and final tests 72 hours Static rock pressure 320 psig (surface measurement) after 72 hours shut (If applicable due to multiple completion—) Second producing formation Pay zone depth for flow 5 for matter 72 hours shut (If applicable due to multiple completion—) Second producing formation Pay zone depth for flow 5 for matter 72 hours shut (If applicable due to multiple completion—) | District: Magnolia County Wet | zel | Quadrangle | | |
|--|--|-----------|-------------|-----------|--------------|
| ADDRESS 204 Union Square, Marietta, OH 45750 DESIGNATED AGENT Andy Brown ADDRESS Box 32, Reader, WV 26167 SURFACE OWNER George Anderson ADDRESS American Ridge, Box 21, New Martinsville MINERAL RIGHTS OWNER SAME ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Robert General Delivery Lowther ADDRESS Middlebourne, WV PERMIT ISSUED June 27, 1985 DRILLING COMPLETED August 7, 1985 DRILLING COMPLETED August 17, 1985 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING, VERBAL PERMISSION OBTAINED Depth of completed well 3231 feet Rotary X / Cable Tools Water strata depth: Fresh feet; Salt 2366 feet Coal seam depths: 1177 Is coal being mined in the area?No OFEN FLOW DATA Producing formation Gordon Pay zone depth 3072-3082 for Salt 2366 feet Time of open flow between initial and final tests 72 hours Static rock pressure 320 psig(surface measurement) after 72 hours shut (If applicable due to multiple completion—) Second producing formation Fay zone depth Final open flow Bb Second producing formation Fay zone depth Fay zone d | | | | New Mar | tinsville 7. |
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| ADDRESS 204 Union Square, Marietta, UH 43/20 DESIGNATED AGENT Andy Brown ADDRESS Box 32, Reader, WV 26167 SURFACE OWNER George Anderson ADDRESS American Ridge, Box 21, New Martinsville MINERAL RIGHTS OWNER SAME ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Robert Ceneral Delivery Lowther ADDRESS Middlebore, WV 51/2 PERMIT ISSUED June 27, 1985 DRILLING COMPLETED August 7, 1985 DRILLING COMPLETED August 17, 1985 TF APPLICABLE: PLUGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR RENORKING. VERBAL PERMISSION OBTAINED CONTINUOUS PROGRESSION FROM DRILLING OR Depth of completed well 3231 feet Rotary X / Cable Tools Water strata depth: Fresh feet; Salt 2366 feet Coal seam depths: 1177 Is coal being mined in the area? No COPEN FLOW DATA Producing formation Gordon Pay zone depth 3072-3082 fe Gas: Initial open flow 20 Mcf/d Final open flow 0 Bb Time of open flow between initial and final tests 72 hours Static rock pressure 320 psig (surface measurement) after 72 hours shut (If applicable due to multiple completion) Second producing formation Pay zone depth fow 5 Bc Gas: Initial open flow Mcf/d Oil: Initial open flow Bb Gas: Initial open flow Mcf/d Oil: Initial open flow Bb Second producing formation Pay zone depth 5 Depth flow Bb Second producing formation Pay zone depth 5 Depth flow Bb Second producing formation Pay zone depth 5 Depth flow Bb Second producing formation Pay zone depth 5 Depth flow Bb Second producing formation Pay zone depth 5 Depth flow Bb Second producing formation Pay zone depth 5 Depth flow Bb Second producing formation Pay zone depth 5 Depth flow Bb | COMPANY Clay Resources, Inc. | | | | |
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| Gas: Initial open flow Mcf/d Oil: Initial open flow Bb | • • • | | _ | . • | |
| | | | | | |
| Final open flow Mcf/d Oil: Final open flow Bb | | | | | |
| | | | | | |

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

PERFORATED: 20 Shots from 3072 to 3082

FRAC: 40,000 # 20/40 sand, 300 gal. 15% HCL

WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh |
|---|--|---|---|
| Sand and shale shale & lime shale & lime shale & lime shale & sand shale & sand sand sand & shale shale & shale & shale shale | 0 618 1384 1464 2208 2600 2650 2800 2850 3000 | 618 1384 1464 2208 2600 2650 2800 2850 3000 3231 | |
| | | | |

(Attach separate sheets as necessary)

| CLAY RESOURCES, INC. | |
|-------------------------|---------------------|
| Well Operator | |
| By: Sandia Like how | V. Pres. Operations |
| Date: February 17, 1986 | |

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 only."



NOTE: Keep one copy of this permit posted at the drilling location.



| 1) | Date: M | ay 28 | | , _{19_} 85 |
|----|-----------------------|--------|--------|---------------------|
| 2) | Operator's Well No | Ina E. | #1 | |
| 3) | API Well No. | | 103 · | -1352 |
| ٠, | | State | County | Permit |

File

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

| | (સંદ શ (| GAS DIV | ISION | | <u>AP</u> | PLICAT | ION FOR A WEL | L WORK PERMIT | | |
|----------------|----------------|--------------|-------------|--------------------|-----------|---|--|---|--------------------------|--|
| | WELL TYP | E M | IINE | 5/ Ga | sX | | | | | |
| •) | WELL III | B (If | "Gas". F | Production | X | | _/ Underground | storage | | _/ Shallow/) |
| 5) | LOCATION | N: Elev | ation: | 1387' | | | _ Watershed: _ | Haynes Run | | 508 |
| , | | Dist | rict: | Magno] | ia | <u> </u> | _ County: | letzel | Quadrangle: N | ew Martinsville 7.5' |
| 5) | WELL OPE | RATOR_ | Clay | Resor | irces | , Inc | 172 | 7) DESIGNATED | AGENT Andre | |
| | Address | | | Union | | | 10023 | Address | Box_3 | |
| | | | Mari | <u>ietta,</u> | OH | <u>45750</u> | | | Reade | r, WV |
| 3) | OIL & GAS | INSPECT | | | | | | 9) DRILLING CO | | |
| | Name | | | ert Lov | | | | Name | Unknown | |
| | Address | | | eral De | | | | Address | - | |
| | | | Mida | dlebou: | rne, | <u>wv 2</u> | | | | |
|)) | PROPOSE | D WELL V | VORK: | Drill | | | | | / Stimulate | <u>X</u> / |
| • | | | | Plug of | f old f | ormation | / Perfo | rate new formation. | / | |
| | | | | _ | - | | | | | |
| | GEOLOGI | | | | Goı | don | 419) | | | |
| | 12) Estima | ted depth o | f complete | ed well, _ | 350 | <u> 100 </u> | feet | | _ | |
| | 13) Approx | | | | 55 | | | t, 500 | | V |
| | 14) Approx | | | | 9(| 00 - 1 | UUU'Is co | oal being mined in the | e area? Yes | / NoX/ |
| 5) | CASING A | ND TUBI | NG PRO | GRAM | | | | | | |
| | SING OR | 1 | SPEC | IFICATIONS Weight | i | - 1 | FOOTAGE | INTERVALS | CEMENT FILL-UP OR SACKS | PACKERS |
| 10. | BING TYPE | Size | Grade | per ft. | New | Used | For drilling | Left in well | (Cubic feet) | |
| ond | luctor | | | | | | | | | Kinds |
| resi | water | 8 5/8 | | | | | 1030' | 1030' | CTS | Per rule 15.05 |
| oal | | | | | | ļļ | | | | Sizes |
| nter | mediate | | | | | | | | # | |
| rod | uction | 4 1/2 | | | | | 3500 ' | 3500 ' | 500 + SKS | Depths set Per rule 15. |
| ubi | ng | ļ . | | ļ | | | | | 4 | |
| ine | rs | ļ | | <u> </u> | | | | | | Perforations: |
| | | ļ | | | | | | | - | Top Bottom |
| | | | | . | <u> </u> | ļ | | | 1 | <u> </u> |
| | | <u> </u> | L | 1 | <u> </u> | <u> </u> | | | 1 | Ш |
| | | | | | | | | | | |
| | | | | | | | OFFICE LISE | ONLY | | |
| | <u></u> | | | | | | OFFICE USE DRILLING P | | | |
| | | | - | | | | DRILLING F | EKWII I | | 7 2 27 95 |
| err | nit number_ | 47-1 | .03-13 | 52 | | | | *************************************** | | June 27 ₁₉ 85 |
| | | | | | | | | | Da | |
| his | permit cove | ering the w | ell operate | or and we | ll locati | on showr | below is evidence | of permission grant | ed to drill in accorda | nce with the pertinent legal re- |
| uir | ements subje | ect to the c | onditions | contained | ons and | ana on th I nits for | e reverse nereor. N any permitted wor | k. In addition, the v | well operator or his co | il and Gas Inspector, (Refer to ntractor shall notify the proper |
| o. isti | rict oil and g | as inspecto | or 24 hour | s before a | ctual pe | rmitted v | vork has commend | ed.) | • | |
| `he | nermitted w | ork is as d | escribed in | n the Notic | e and A | Application | on, plat, and reclar | nation plan, subject | to any modifications | and conditions specified on the |
| | rse hereof. | | | | | | | | | |
| eri | mit expires | June | 27, | 1987 | | | unless we | ell work is commence | d prior to that date and | d prosecuted with due diligence. |
| | | | | | | | | | | |
| P | ond: | Agen | nt: | Plat: | Casi | ng | Fee | | | |
| 1 | - 1 | 1117 | 1/ | 2011 | n | | | 7-0 | | _ / |
| L | 38 | <u> </u> | | MAI | [[]] | V 13 | 17 | MI | 100 1 | 7 1/20. |
| | • | | | | | | 4 | , jui | gwest - | Huuse |
| | | | | | | | | A de | hidistrator Office of | Oil and Gas |

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