

RECEIVED AND SER I S YAM NOISING EAD DIANGED THE SER I S YAM

IV-35 (Rev 8-81)

State of Mest Birginia

Beparlment of Mines
Oil und Gas Bivision

| Date_ | May | 19, | 1982 | | | | |
|------------------------------|-------|-----|-------|------|----------|--|--|
| Date May 19, 1982 Operator's | | | | | | | |
| Well | No | 47- | -017- | 3055 | <u> </u> | | |
| | Georg | | | | | | |
| API N | o. 47 | | 017 | - | 3055 | | |

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

| WELL | TYPE: | Oil/ (If "Gas, | Gas_x / 1 | Liquid Injec on <u>x</u> / Under | tion | / Wast nd Storag | ce Disposa ge/ Deep | l/ p/ Sha | |
|-------|--------------|---------------------------------------|---------------|-------------------------------------|--------------------------|---------------------|------------------------|---------------|-------------------|
| LOCAL | CION: | Elevation: | 1030' | Watershed | <u>Fa</u> | llen Timb | er Run | , | |
| | | District: | Cove | CountyI | Doddi | idge | Quadrangle | ≥ Vadis | |
| | | | | | | | | | • |
| COMPA | <i>M</i> X (| Carson Petro | oleum Corpo | ration | | * | ÷. | · | |
| ADDRE | ::SS! | P.O. Box 133 | Sand Fork | <u>. WV 26430</u> | - | Caşing | Used in | Left | Cement fill up |
| DESIG | NATED | AGENT Ger | ald W. Davi | S | - | Tubing | Drilling | in Well | Cu. ft. |
| ADDRE | essi | P.O. Box 133 | Sand Forl | k, WV 26430 | - | Size | | | |
| SURF | ACE OW | NER George | Adrian | | . | 20-16 Cond. | | | |
| ADDRE | :SS | Rt. 1 | Box 95A Ne | w Milton, WV | . | 13-10" | | | |
| MINE | RAL RI | GHIS OWNER | same | | - | 9 5/8 | | | |
| ADDRE | ::SS | | | | • | 8 5/8 | 567' | F / P * | T |
| OIL A | AND GA | S INSPECTOR | R FOR THIS | WORK_Steve | - | 7 | 507 | 567* | To surface |
| Cas | e)r | ADDRESS | Jane Le | w. WV 26378 | | 5 1/2 | - | | |
| | | UED Octob | | | | 4 1/2 | | 25471 | 190 sacks |
| DRILL | LING C | OMMENCED 4 | -30-82 | ·. | | 3 | - : | 2547 ' | 190 sacks |
| DRILI | LING C | OMPLETED ! | 5-4-82 | | | 2 | | 2420' | |
| CONTI | INWUS | BLE: PLUGG PROGRESSIC VERBAL PE | N FROM DRI | LLING OR | | Liners used | | | |
| GEOLG | CICAL | TARGET FOR | MOITAMS | | Gantz | • | Dept | th 2435 | feet |
| | Depth | of complet | ed well | 2588 fee | et R | otary_x_ | / Cable | e Tools_ | |
| | Water | strata đep | oth: Fresh | 90 fee | et; | Salt_N/ | A feet | | |
| | Coal | seam depths | s: <u>N/A</u> | | nisma wa kamp | Is coal | being mine | ed in the | area? No |
| OPEN | FLOW | DATA | - - | | | | • | | |
| , | Produ | cing format | ion Bi | g Injun | | Pay | zone dept | th 2100 - | 2160 feet |
| | | - | | Mcf/ | | | | | |
| | | Final oper | n flow | Mcf/ | 'd | Fir | al open f | low | Bbl/d |
| đ. | | Time | of open fl | .ow between i | niti | al and fi | nal tests | ho | urs |
| | Stati | c rock pres | ssure | psig(sur | face | measuren | ment) after | rhou | rs shut in |
| | (If a | pplicable o | lue to mult | iple complet | ion- | _) | | | |
| - | Secon | nd producing | g formation | Gantz | | Pay | zone dep | th 2430 - | 2435 feet |
| | Gas: | Initial or | pen flow | Mcf/ | /d | Oil: Ini | tial open | flow | Bbl/d |
| | | Final oper | n flow(| 35 Mcf/ | / d 3 | Oil: Fir | al open f | low | Bbl/d |
| | | Time | of open fl | ow between i | initi | al and fi | nal tests | 48 hc | urs |
| | Stati | ic rock pres | ssure 700 | psig(surf | faœ | measureme | ent) after | _48 hou | rs shut in |
| | | | | | | | (Conti | zue bh re | verse side. |

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

Fractured - May 12, 1982

Gantz - 5,000 lbs. 80/100 sand 20,000 lbs. 20/50 sand 426 bbl water 14 BPM @ 1681 lb.

Perforations - 2113 - 2132, 6 shots

Big Injun - 5,000 lbs. 80/100 sand 35,000 lbs. 20/50 sand 561 bbl water 14 BPM @ 1500 lbs.

Perforations - 2108 - 2162, 12 shots

WELL LOG

| | | | | REMARKS |
|-----------------|--------------|----------|-------------|----------------------------------|
| FORMATION COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | Including indication of all fres |
| | | | | and salt water, coal, oil and ga |
| Shale | | 0 . | 175 | |
| Sand | | 175 | 175 211 | fresh water @ 90' |
| Sand | | 211 | 350 | |
| Shale and sand | | 350 | 575 | |
| Shale | | 575 | 600 | |
| Sand and Shale | | 600 | 650 | |
| Shale | | 650 | 775 | |
| Sand and Shale | | 775 | 800 | |
| Shale | | 800 | 925 | |
| Sand | | 925 | 1060 | • |
| Sand and Shale | | 1060 | 2000 | 1950' water |
| Lime | | - 2000 | 2075 | 1550 WALEST |
| Shale | | 2075 | 2125 | |
| Big Injun | | 2125 | 2250 | Show of oil |
| Sand | | 2250 | 2275 | |
| Shale | | 2275 | 2300 | |
| Sand | | 2375 | 2385 | |
| Shale | | 2385 | 2425 | . - |
| Gantz Sand | | - 2425 | 2450 | 17 m |
| Shale | | 2450 | 2473 | |
| Sand | | 2473 | 2588 | |
| Total Depth | | 2588 | | Show of gas |
| | | | | |
| | | | | |
| | | | | |
| 1.04.0 | | *. | · ; · ; | |
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(Attach separate sheets as necessary)

| C: | arson Petroleum Corpora | tion |
|-------|-------------------------|------|
| Well | l Operator | |
| al | rald n. Davis | |
| By: | raid N. Love | |
| Date: | May 19, 1982 | |
| | | |

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including encountered in the drilling of a well."



| WE : 1 | w 6 | • |
|--------|---------------------|------|
| Farm | George Adrian | n #1 |
| API #4 | 7 -017 - 305 | 5 |
| Date | October 27, 1 | 1981 |

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

| M | |
|---|--|
| VELL TYPE: Oil / Gas x / | • |
| (If "Gas", Production x / Und | derground storage / Deep / Shallow x / |
| | ned: Fallen Timber Run |
| District: Cove County: | Doddridge Quadrangle: Vadis |
| /ELL OPERATOR Carson Petroleum Corporation | DESIGNATED AGENT Lowell M. Johnson |
| Address P.O. Box 133 | Address P.O. Box 133 |
| Sand Fork, WV 26430 | Sand Fork, WV 26430 |
| OIL AND GAS | COAL ODERATOR |
| ROYALTY OWNER George Adrian | COAL OPERATOR N/A Address |
| Address Rt. 1 Box 95A | W001622 |
| New Milton, WV 26411 | |
| Acreage 100 | COAL OWNER(S) WITH DECLARATION ON RECORD: |
| SURFACE OWNER George Adrian | NAME George Adrian |
| Address same | Address Rt. 1 Box 95A |
| | New Milton, WV 26411 |
| Acreage same | NAMEN/A |
| | Address |
| FIELD SALE (IF MADE) TO: | |
| NAME N/A | COAL LESSEE WITH DECLARATION ON RECORD: |
| Address | NAME N/A |
| | Address |
| OIL AND GAS INSPECTOR TO BE NOTIFIED: | JE CERVEN |
| di Air | |
| NAME Deo Mace | , CCT 2 8 1981 |
| Address Spencer, WV 25276 | ♥ |
| | OIL AND GAS DIVISION WY DEPARTMENT OF MINES |
| Telephone 304-927-1090 | |
| ar and a second | |
| above location under a deed/ lease to the undersigned well operator from (If said deed, lease, or other contract has | |
| | ffice of the Clerk of County Commission of |
| Doddridge County, West Virginia, in | Book at page A permit is |
| requested as tollows: | r/ Redrill/ Fracture or stimulate/ |
| Plug off old formation | / Perforate new formation/ |
| Other physical change i | n well (specify) N/A |
| | |
| planned as shown on t | he work order on the reverse side hereof. |
| The above named coal operator, coal owner(| s), and coal lessee are hereby notified that any |
| objection they wish to make or are require | d to make by Code 322-4-3 must be filed with the |
| Department of Mines within fifteen (15) da | ys after receipt of this Application by the Dept |
| Copies of this Permit Application and the | enclosed plat and reclamation plan have been |
| mailed by registered mail or delivered by | hand to the above named coal operator, coal own- |
| er(s), and coal lesses on or before the u | ay of the mailing or delivery of this Applicatio West Virginia. |
| | アープラング かきここ でき Marcol Control Action の Marcol Marcol Marcol Marcol Marcol Marcol Marcol Marcol Marcol Marcol でもまった。 Marcol |
| PLEASE SUBMIT COPIES OF ALL | |
| GEOPHYSICAL LOGS DIRECTLY TO: | Carson Petroleum Corporation Well Operator |
| HEST VIDCIALLY OIL AND CAS | ment operator. |
| WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION | By: Land M Johnson (10h) |
| 1613 WASHINGTON ST., E. SIZE BOND | By: Sowell M. Johnson (10h) |
| CHARLESTON, WV 25311 | ts: Agent |
| Telephone - 304/348-3092 | |
| | <i>:</i> |

(Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

| DRILLING CO | UTRACTO | OR (IF | KNOWN) | Union | Drill | ing. Inc. | A j | | | ; |
|--|--|---|---|---|--|---|--|--|--|--|
| | | | ddress | | | | anterior de la Mille de la completa | THE STATE OF THE S | | |
| • | | 77 | glatiki inang | | | | | | , | |
| | | | | Buckh | annon, | WV 2620 | 1 | The second secon | | |
| GEOLOGICAL Estimate Approxim Approxim Is coal | d depti | n of conter strain | mpleted ata dept depths: | hs: N | Fresh /A | , 400 | feet; | ry <u>x</u> / Cabl salt, N/A | e toolsfeet. | _/ |
| CASING AND | TUBING | PROGRA | М | | | | | | | 1.00 to |
| CASING OR TUBING TYPE | S: 70 | | CIFICATI Weight | | | 4 | - Left in | UP OR SACKS Cubic ft. | PACKER | S E |
| Conductor | 13126 | 0.00 | JPC! | | | | | | Kinds | |
| Fresh water | 8 5/8" | | | | | 6001 | 600' | To surface | Sizes | 200° |
| Coal Interned. | 1 | | | | | | | 1 | 131263 | valentitions |
| Production | 4 1/2" | | | | | | 2300' | 300 sacks 🔐 | Depths set | |
| Tubing | i | 1 | | | | | | into 83/8 | | |
| Liners | | | | | | | | ! | Perforation Bo | ttom |
| Marine Control of the | 1 | | | | - | | | į. į | 1 | |
|) . | | - 2 | | | - September 1 | | | | | 24 |
| required of the W perdions | red by -Sa fro well. crate i fracta t and t XMT MUS (Vo. Cos rilling | Code 8 m the commence round IV. ring or is noted T BE POS T in accorde, the loc | 22-4-12d owner of 2-2 shall r stimul | n, and any not lating th on Chapte sby app | l (v) to water be received the Foundation 1 SITE 1 22, 1 roved | if applic well or quired fo o be part | able, the dualling or or fracture of the ve | id on the same consent requivithin 200 fer ing or stimul ork for which connection the | rired by Con eet of the p ating a we a permit | de pro- ll |
| to undersign date of the ioned has readed to the ioned to t | The issue of the i | nee who nued wi al oper ned thi ocation to complie | has rectain fif | corded fteen _/ own sed we ell le | l a doc (15) A W A I ner ell lo ocatio | claration days of : V E R / lesses cation. n has been d to be e | under Convenient the confession of the confessio | rator and by de \$22-4-20, areof: the coal und map exists o the mine m is location, of the West V | if the per er this wel which cover ap. The ur provided t | mit Il s the ider- the |
|)at e: | | , 19 | 3。 | | | - | | | | The state of the s |
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