

(Revised 3-81)



| Well No. ONE  |      |
|---------------|------|
| Farm Caral    | Fox  |
| API #47 -085- | 5603 |
| Date 5-5-8    | 2    |

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

| OIL AND GAS WELL   | PERMIT APPLICATION   |
|--|--|
| WELL TYPE: 011 2 / Gas x /   |  |
| (If "Gas", Production <u>メ</u> / Und   | erground storage / Deep / Shallow /  |
| LOCATION: Elevation: 939 Watersh District: MURPHY County:  | date age disconnection to the set  |
| WELL OPERATOR RENDOUD OIL CO. Address Ro. ROX 129 RENO, OHLO 45773 OIL AND GAS   | DESIGNATED AGENT GERALD TOWNSFIND<br>Address STAGREEN ST. PARKERSBURG CO. VA.  |
| Address States   | COAL OPERATOR NONE   |
| SURFACE OWNER GENEVA LUMBER CO. Address  | COAL OWNER(S) WITH DECLARATION ON RECORD:  NAME NONE  Address  |
| Acreage 65  FIELD SALE (IF MADE) TO:   | NAME<br>Address  |
| NAME NAME NAME Address   | COAL LESSEE WITH DECLARATION ON RECORD:  |
| OIL AND GAS INSPECTOR TO BE NOTIFIED:  | Address  |
| NAME DEO MACE<br>Address R+1 Box 65  | DECEIVE  |
| Telephone 655-7398   | MAY - 7 1982   |
|  | OIL AND GAS DIVISION WY DEPARTMENT OF MIN  |
| to the undersigned well operator from  | led to operate for oil or gas purposes at the / other contract / dated , 19 ,  |
|  | been recorded: TW OHT TA CRESCARE TRUM TEMPLE TO SEE THE TEMPLE TO |
| County, West Virginia, ing   | -/ Redrill / Fracture or stimulate //  |
| objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the en mailed by registered mail or delivered by ha er(s), and coal lessees on or before the day to the Department of Mines at Charleston, We | nd to the above named coal operator, coal own-   |
| PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS  | RENdoug Oil Co,  |
| CONSERVATION COMMISSION 1613 WASHINGTON ST., E. CHARLESTON, WV 25311 Telephone - 304/348-3092  | : 50pT,  |

(Revised 3-81)

## PROPOSED WORK ORDER

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

| DRILLING CO  | NTRACT   | OR (IF   | KNOWN)  | 0   | JER -   | -JOHN   | enderstand with the configuration of the configurat |  |  |
|--|--|--|---|---|---|---|--|--|--|
| ,  |  | А  | ddress  | <u> </u>  | <u> </u>  | BOXA  |  | POSE-citables of for PERSONNERS properly and which show you can be   |  |
|  |  |  | ######################################  | <u>57</u>   | MAR   | 345 CU  | V19. 261   | <u> </u>   |  |
| Approxim<br>Approxim   | d depti<br>ate wa<br>ate coa   | h of co<br>ter str<br>al seam  | mpleted<br>ata dept<br>depths:  | hs:   | Fresh<br>KNOL   | , 200   | fect; s  | ry <u>×</u> / Cabl<br>salt, <u>/200</u>  | e tools/<br>_fect。   |
| CASING AND CASING OR TUBING TYPE   | 1  | SPE  | M<br>CIFICATI<br>Weight<br> per ft  |   |   | For Dril  |  | CEMENT FILL-<br>UP OR SACKS<br>Cubic ft  | PACKERS  |
| Conductor  | 11314  | SHRAL  |   |   |   | 250   | 250  | A construction of the second s | Kinds CTS  |
| Fresh water  |  | )  |   |   |   | And the second control of the second |  |  |  |
| Coal<br>Intermed.  | 578  | XJ   | 120   | 1×  |   | 1000  | 7000   | 275500   | Sizes  |
| Production   | and the second section of the second   | XJ   | 10.5  |   |   | 3990  | 5990   |  | Depths set   |
| Tubing   |  |  |   |   |   |   |  |  |  |
| Liners   |  | Control of the Control of Control |   |   | -   |   |  | )  | Perforations: Top Bottom   |
|  |  |  |   |   |   |   |  |  | 1 100 000000   |
|  |  |  |   |   |   |   |  |  |  |
| 822-4<br>requi<br>872-4<br>posca<br>A ser<br>where   | -12b a red by -3a fr well. varate fract t and  JST BE PO JST BEING THE W. V dril | nd Regu Code 8 om the Form IV uring c is note OSTED AT IN ACCO A. CODE,  | lation 2 22-4-12c owner of 7-2 shall or stimul d as suc THE WELL DRDANCE THE LOCATHIS I | 33, (1) and any l not lating th on  SITE WITH C     | iv) un i (v) water be rec j is t the F CHAPTER IS HERE! | less previf application well or quired for be part orm IV-2   | iously parable, the dwelling in fracture of the wo   | consont requ<br>vithin 200 fe<br>ing or stimul   | ne well, the feetired by Code ect of the pro-<br>lating a well is a permit is                          |
| or ection to the undersigned has a well operation the governing or expension or exp | pal les be is gned co s exami well l no obje or has                              | see who sued with the section complication   | thin fig<br>ratoris propo<br>n, the w<br>to the w<br>ed with<br>s.                      | cordec<br>fteen<br>_/ ow<br>sed w<br>ell l<br>ork p | d a de (15) W A I ner ell lo ocatio                     | claration days of 1  VER  / lesse cation. on has be ed to be  | under Coreceipt the  | de \$22-4-20, ereof: the coal und map exists to the mine mais location,  | any coal owner if the permit  er this well which covers the ap. The underprovided the irginia Code and |
| Date:  |  |  | 9   |   |   | der vertregt, um einfahrung von geben der der Mittelbiligkeiter   |  | 1990an januari 1991 - 1990aan yardiga ahdiikada sadhahda dhahar e aan seesaan oo yadhan sa boosha ba sharraa d   |  |
|  |  |  |   |   |   | 3y:   |  |  |  |



IV-35 (Rev 8-81)

|    |     | ĒÜ | V   | E | á |
|----|-----|----|-----|---|---|
| كن | SEP | 10 | 198 | 3 | • |

State of West Nirginia

Department of Mines Gil und Gas Bivision

| Date_  | 08/19   | /83 |               |
|--------|---------|-----|---------------|
|        | or's    |     |               |
| Well N |         | -65 |               |
| Faim_  | Fox     |     |               |
| API No | 0. 47 - | 085 | <b>-</b> 5603 |

CIL & GAS DIVISION
DEPT. OF MINES WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

| LOCATION:                                 | Elevation:                                  |  | on/ Underg<br>Watershed |  | outcomments and comments   |  |  |
|---|---|--|-------------------------|--|--|--|--|
| Andrew Company Andrew and Company Company |   |  | County R                |  |  | e MacFarl  | an 7.5' Qua  |
| COMPANY                                   | Rendova Oil                                 | Company  |                         |  | t v Adriana gran a dheachdann dh'i seach agus dh'i a guire ann an ann ann ann ann ann ann ann ann  |  |  |
| ADDRESS                                   | P. O. Box 12                                | 9, Reno, O   | H 45773                 | Caşing   | Used in  | Left   | Cement   |
| DESIGNATEL                                | AGENT Gera                                  | ld W. Town   | send                    | Tubing   | <b>'</b>   |  | fill up<br>Cu. ft.   |
| ADDRESSS                                  | oth & Green S                               | t. Parkers   | burg, WV 2610           |  | ,  |  |  |
| SURFACE OW                                | NER Geneva                                  | Lumber Co  | mpany                   | 20-16  |  |  |  |
| ADDRESSH                                  | larrisville,                                | West Virgi   | nia                     | Cond.<br>13-10"  |  |  |  |
| MINERAL RI                                | GHIS OWNER_                                 | Jas. B. Fo   | x Heirs                 | 9 5/8  |  |  |  |
| ADDRESS I                                 | Harrisville,                                | West Virgi   | nia                     | 8 5/8  | 2028'  | 2028'  | 685 f <sup>3</sup>   |
| oil and Ga                                | S INSPECTOR                                 | FOR THIS TREE BOX  | WORK Deo                | 7  | The state of the s |  |  |
| Mace                                      | ADDRESS                                     | <u>Sandridge,</u>  | WV 25274                | 5 1/2  |  |  |  |
| PERMIT ISS                                | SUED  | 05-07-82   |                         | 4 1/2  | 5812'  | 5812'  |  |
|   | DOMENCED                                    |  |                         | 3  |  |  |  |
|   | COMPLETED                                   |  |                         | 2  |  |  |  |
| CONTINUOUS                                | ABLE: PLUGG<br>S PROGRESSION<br>. VERBAL PE | N FROM DRI   | LLING OR                | Liners<br>used   | - INOILC   | None   | None   |
| GEOLOGICAI                                | L TARGET FOR                                | MATION_  | Devonian Shal           | e  | Dep  | <b>th</b> 599  | ofee   |
| Deptl                                     | of complete                                 | ed well  | 5896) <b>fee</b> t      | : Rotary_  | X / Cabl   | e Tools_   | STANDARI II SANDARI SA |
| Water                                     | r strata dep                                | th: Fresh  | N/A feet                | ; Salt_  | N/A feet   |  |  |
| Coal                                      | seam depths                                 | : None   |                         | Is coa   | al being min   | ed in the  | e area? No   |
| OPEN FLOW                                 | DATA  |  |                         |  |  |  | А  |
| Produ                                     | ucing format                                | <b>ion</b> Dev   | onian Shale             | 1  | Pav zone dep   | <b>th</b> 3810   | -20 <b>fee</b>   |
|   | Initial op                                  | Altician   |                         |  | Initial open   | - Office property and a second second  | Section of the   |
|   | Final open                                  | flow 7   | 431.2 Mcf/              |  |  | distribution of the last of th | 06 Bbl/  |
|   | _   | Contract of the Contract of th | low between i           |  | _  |  | The second second  |
| Stat                                      | •   | -  | 1000 psig (sur          |  |  |  |  |
|   |   |  | tiple complet           |  |  |  |  |
|   |   |  | None                    |  | Pay zone dep   | oth  | fee  |
|   |   |  | Mcf/                    | AMAN SAME AND SAME AND ASSAULT OF THE SAME ASS |  | Control of the Contro | Bbl/   |
|   |   |  | Mcf/                    |  | _  | -  |  |
|   |   |  | low between i           |  |  | Salas Sa   |  |
| Stat                                      |   | •  | psig(surf               |  |  |  | urs shut i   |

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

A. <u>Perforations</u>: 3810' to 3820', <u>10'</u>, <u>4</u> jspf, <u>40</u> Total, .39" E Hole.

## B. Fracturing:

- 1. 1.687 mm scf/N<sub>2</sub>
- 2. 250 gal foamed 15% acid

WELL LOG

| FORMATION COLOR HARD OR SOFT   | TOP FEET     | BOTTOM FEET  | <u>REMARKS</u> Including indication of all fres |
|--|--------------|--------------|---|
| CONFEIGN COLOR. 1110 C. COLI   |              |              | and salt water, coal, oil and ga                |
| Soil   | 0            | 20           | www.manageatankiling                            |
| Sand, Shale  | 20           | 100          |   |
| Siltstone, red   | 100          | 150          |   |
| Sand & Shale   | 150          | 300          | •   |
| Shale  | 300          | 475          |   |
| Lime   | 475          | 504          |   |
| Sand   | 504          | 559          |   |
| Coal, dirty  | 559          | 560          |   |
| Red Shale  | 560          | 760          |   |
| Sand   | 760          | 860          |   |
| Red Shale  | 860          | 898          | 4000  |
| Dunkard Sand Shale   | 898          | 1098         | -164  |
| Sand, Cow Run  | 1098         | 1164         | 50me as) 085 5184                               |
| Shale  | 1164         | 1250         | 5140  |
| 1st Salt   | 1250         | 1310         |   |
| Shale  | 1310         | 1360         | 5881  |
| 2nd Salt   | 1360         | 1390         | 5881<br>005)<br>073 1139<br>073 1551            |
| Shale  | 1390         | 1418         | 205)  |
| 3rd Salt   | 1418         | 1496         | 398   |
| Shale  | 1496         | 1534         | 73 113  |
| Maxon  | 1534         | 1596         | 0.73 (155)                                      |
| Big Lime   | 1596         | 1640         |   |
| Keener Sd  | 1640         | 1690         | •   |
| Lime   | 1690         | 1720         |   |
| Big Injun  | 1720         | 1814         |   |
| Shale  | 1814         | 1832         |   |
| Squaw  | 1832         | 1852         |   |
| Shale  | 1852         | 2205         |   |
| Berea  | 2205         | 2205<br>2215 |   |
| Shale  |              |              | an account pure a same                          |
| Gordon   | 2215         | 2605         |   |
| Dev. Shale   | 2605<br>2635 | 2635<br>TD   |   |
| Doy. Gilate  | 2033         | מו           | 5896 TD. 5896                                   |
|  |              |              |   |
|  |              |              | 2215  |
| Onondogo = 5812  |              |              | 3681  |
| Same a result of the second of |              | 1400         |   |

(Attach separate sheets as necessary)

| Rendova Oil Compa     | ny           |                 |  |
|-----------------------|--------------|-----------------|--|
| Well Operator         |              |                 |  |
| int little 1'         |              | <b>76.</b><br>♂ |  |
| By: Workstainchik     | 7            |                 |  |
| Date: August 26, 1983 | Mark A. Fair | rchild          |  |
| seeds regard to 1000  |              |                 | ###################################### |

Note: Regulation 2.02(i) provides as filous:

"The term 'log' or 'well ' in li mean a systematic dictailed geological record o ations, including well,"