



1) Date: September 28, 19 84

2) Operator's Well No. Whiting No. 1

3) API Well No. 47 -- 021 -- 4271  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas  /  
B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 878 Watershed: Little Kanawha River  
District: DeKalb County: Gilmer Quadrangle: Tanner
- 6) WELL OPERATOR Trio Petroleum Corp. 7) DESIGNATED AGENT E.A. Broome  
Address Rt. 76, Box 35-E 60050 Address Rt. 76, Box 35-E  
Glenville, WV 26351 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR  
Name Deo Mace Name Unknown  
Address Sand Ridge, WV Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Elk Sand
- 12) Estimated depth of completed well, 5500 feet
- 13) Approximate trata depths: Fresh, 50 feet; salt, NR feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes  / No  /

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OIL & GAS DIVISION  
DEPT. OF MINES

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS |       |                |     |      | FOOTAGE INTERVALS |              | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |                             |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|---------|-----------------------------|
|                       | Size           | Grade | Weight per ft. | New | Used | For drilling      | Left in well |                                      | Kinds   | Sizes                       |
| Conductor             |                |       |                |     |      |                   |              |                                      |         |                             |
| Fresh water           | 8 5/8          | ERW   | 20             | XX  |      | 500               | 500          | 140 SX                               |         |                             |
| Coal                  |                |       |                |     |      |                   |              |                                      |         |                             |
| Intermediate          |                |       |                |     |      |                   |              |                                      |         |                             |
| Production            | 4 1/2          | ERW   | 9.5            | XX  |      |                   | 5400         | 200 SX                               |         | Depths set                  |
| Tubing                | 1 1/2          | CW    | 2.75           | XX  |      |                   | 5200         |                                      |         |                             |
| Liners                |                |       |                |     |      |                   |              |                                      |         | Perforations:<br>Top Bottom |

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-021-4271

Date November 5, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires November 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

|                     |                     |                    |                      |                     |
|---------------------|---------------------|--------------------|----------------------|---------------------|
| Bond:<br><u>159</u> | Agent:<br><u>TS</u> | Plat:<br><u>TS</u> | Casing:<br><u>TS</u> | Fee:<br><u>1005</u> |
|---------------------|---------------------|--------------------|----------------------|---------------------|

*[Signature]*  
Administrator, Office of Oil and Gas

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

File

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



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

4) WELL LOCATION: B (H) Gas, Production, Elevation: 700, Well No. 17, State: WV, County: Putnam, District: Putnam, Designated Agent: E. A. BOONE, Address: Rt. 70, Box 85-E, Putnam, WV 26057

5) PROPOSED WELL WORK: Plug old formation, Perform new formation

6) BRIDGING CONTRACTOR: Name: UNKNOWN, Address: UNKNOWN

7) BRIDGING CONTRACTOR: Name: UNKNOWN, Address: UNKNOWN

8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: JEO, Address: Sand Ridge, WV

9) APPROXIMATE TARGET DEPTH: 300 feet

10) ESTIMATED DEPTH OF COMPLETED WELL: 300 feet

11) APPROXIMATE TARGET DEPTH: 300 feet

12) APPROXIMATE COAL VEIN DEPTH: None

13) IS COAL BEING MINED IN THE AREA: Yes

14) CASING AND TUBING PROGRAM

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OIL & GAS DIVISION  
DEPT. OF MINES  
1984

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

|                                    | Date | Date(s) |
|------------------------------------|------|---------|
| Application received               |      |         |
| Well work started                  |      |         |
| Completion of the drilling process |      |         |
| Well Record received               |      |         |
| Reclamation completed              |      |         |

OTHER INSPECTIONS

Reason:

Reason:

| Bond | Agent | Plan | Casing | Fee |
|------|-------|------|--------|-----|
| 100  | JB    | 10   | 10     | 10  |

Administrator, Office of Oil and Gas

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

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

2) Operator's \_\_\_\_\_  
Well No. Whiting #1  
3) API Well No. 47 - 021 - 4271  
State County Permit \_\_\_\_\_

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Harlen M. VanCamp  
Address Rt. 1A, Box 77  
Harpers Ferry, WV 25425  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR None  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

**RECEIVED**  
OCT 10 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

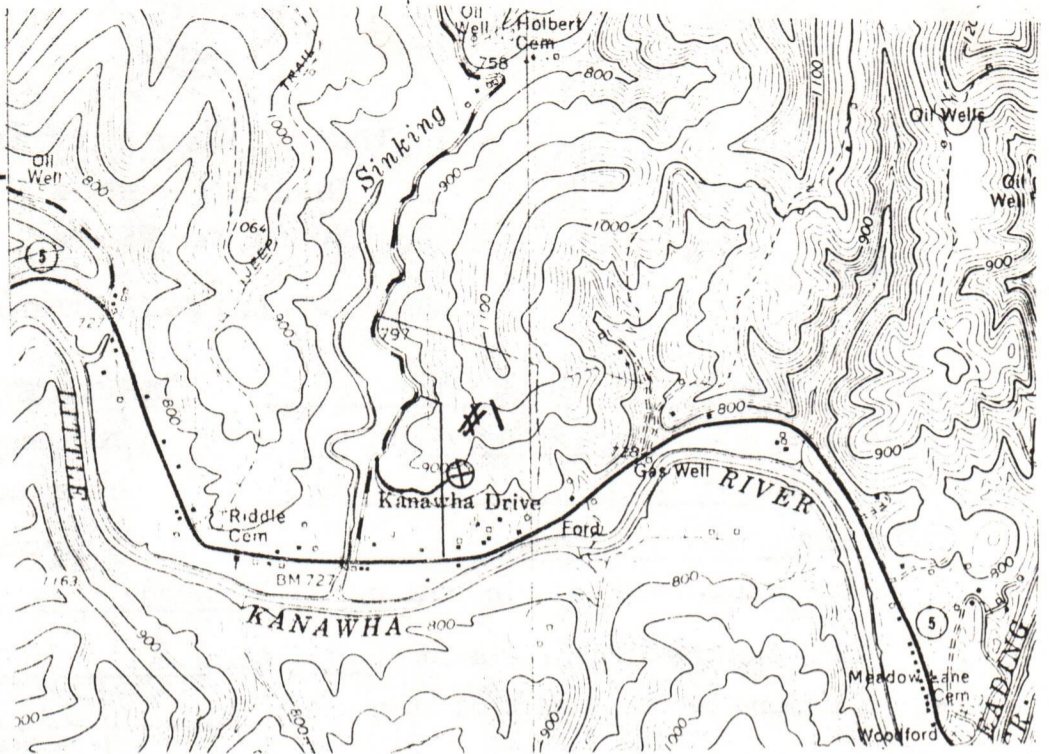
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by  
E.A. Broome  
this 2nd day of October, 1984.  
My commission expires 3/6, 1994.  
Meri L. Morrison  
Notary Public, Gilmer County,  
State of West Virginia

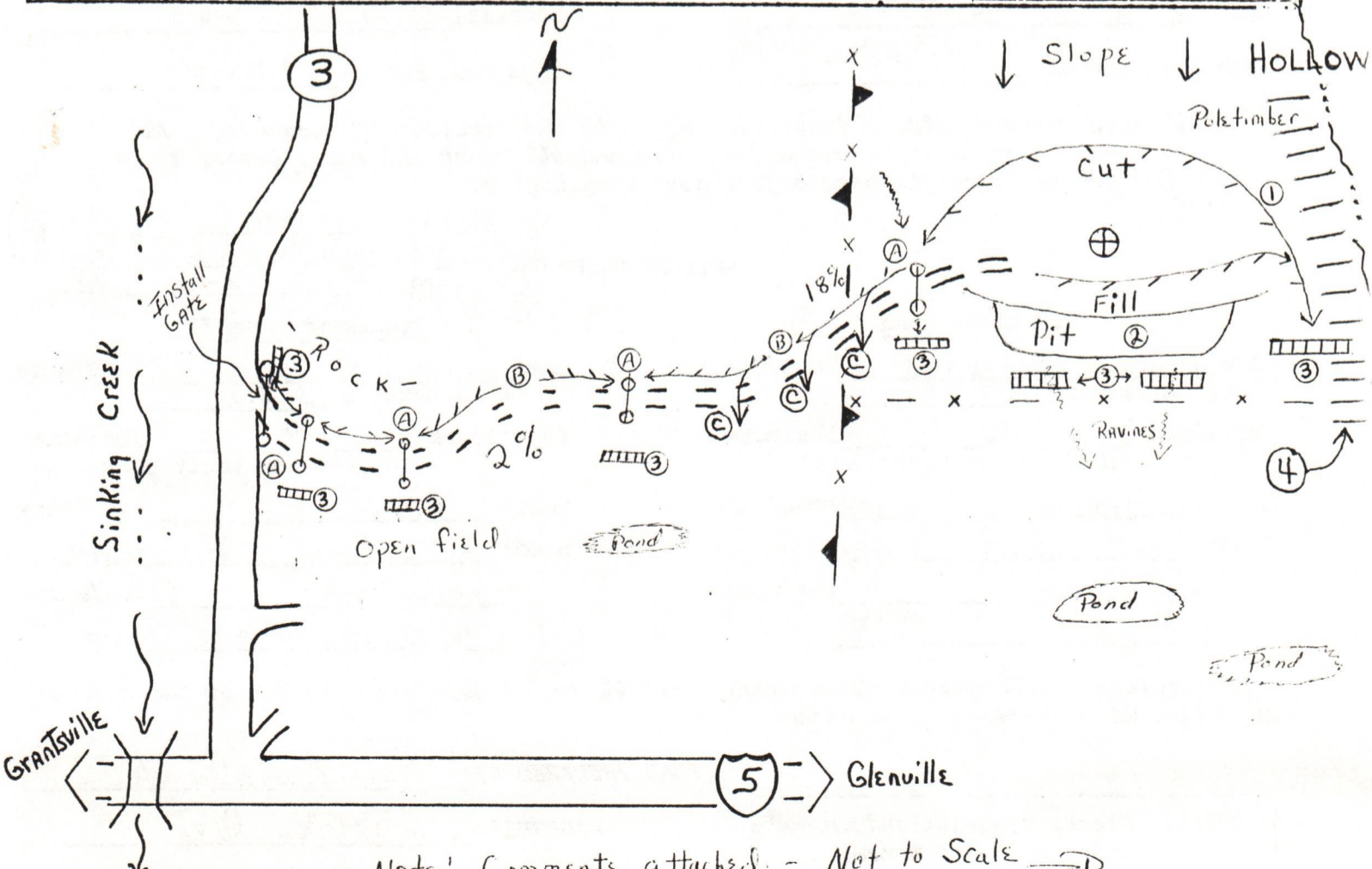
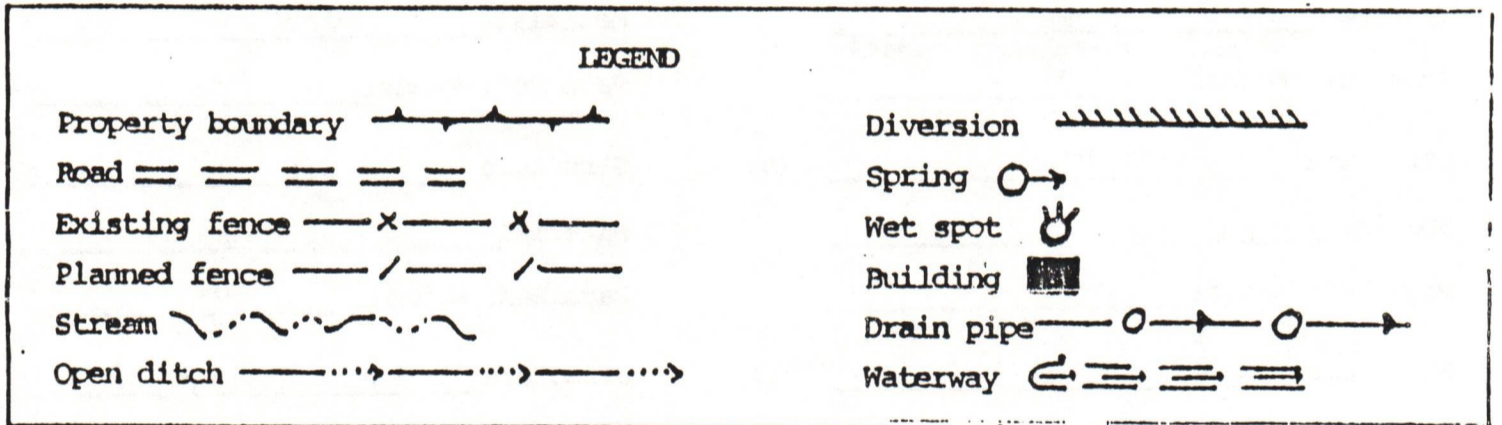
WELL OPERATOR Trio Petroleum Corp.  
By E.A. Broome  
Its President  
Address Rt. 76, Box 34-E  
Glenville, WV 26351  
Telephone (304) 462-7311

ATTACH OR PHOTOCOPY SECTION  
INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE Tanner 7.5'



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.



Note: Comments attached. - Not to Scale FR



IV-9  
(Rev 8-81)

DATE 7-11-84

WELL NO. WHITING #1  
API NO. 47 - 021 - 4271

RECEIVED

OCT 10 1984

Rec'd. (WFSCD)  
JUL 19 1984

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN OIL & GAS DIVISION  
DEPT. OF MINES

COMPANY NAME TRIO PETROLEUM CORP.  
Address Rt. 76 Bx 35E Glenville, WV  
Telephone 304-462-7311  
LANDOWNER Harlen Vancamp

DESIGNATED AGENT E. A. Broome  
Address SAME  
Telephone SAME  
SOIL CONS. DISTRICT WEST FORK

Revegetation to be carried out by Bob Radabaugh - Environmental Technician (Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 7/31/84 (Date)

Kenneth E Knight  
(SCD Agent)

ON SITE REVIEW  
7/30/84

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

ACCESS ROAD

LOCATION

Structure Culverts (A)  
(according to Oil & Gas Manual (at natural drains))  
Spacing 12" - 16" Diameter  
with rippapped outlet  
Page Ref. Manual 2:7

Structure Diversion Ditch (1)  
Material soil  
Page Ref. Manual 2:12

Structure Drainage Ditches (B)  
Spacing Inside road cuts  
Page Ref. Manual 2:12

Structure Pit (2)  
Material Impervious Material  
Page Ref. Manual N/A

Structure Cross ditches (waterbars & Dips) (C)  
Spacing 50' to 250' apart  
with rippapped outlet  
Page Ref. Manual 2:4

Structure Sediment Barrier (3)  
Material Straw bales & brush  
Page Ref. Manual 2:18, 2:20

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Structure Filter Strip (4)  
Material undisturbed natural vegetation  
Pg. Ref. Man. 2-16

Treatment Area I

Treatment Area II

Lime According to soil test Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Straw 2 Tons/acre  
Seed\* Ky. 31 Fescue 35#/acre  
Ladino Clover 5 lbs/acre

Lime According to soil test Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Straw 2 Tons/acre  
Seed\* Ky. 31 Fescue 35#/acre  
Ladino Clover 5 lbs/acre  
Mellot 5# Vetch 5# /acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Bob Radabaugh

ADDRESS TRIO Petroleum Corp.

Glenville, WV

PHONE NO. 304-462-8911

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

COMMENTS

LEASE: WHITING #1

EXISTING LAND USE: Woodland, Sapling to pole timber size class, crab apple, yellow poplar, maple, hickory. South-east exposure, moist site.

ACCESS: From C.R. 3, to upgrade, construct access road thru Davidson Property to Lease. Road will basically be in open field. Any woody material encountered will be cut and stacked before dirt work begins. 16" culvert, 3" stone covering to be installed at county rd. approach. All culvert installations to have stone cover. Straw bale and brush sediment barriers to be installed at culvert and drainage outlets to control runoff. Road grade varies 2% to 18% (150'), waterbars and dips to be installed 50' to 250' depending on grade.

LOCATION: To be constructed in woodland, woody material to be cut and stacked before dirt work begins. Material will be stacked according to potential use; saw-log, firewood, brush-limbs-tops. Brush piles to be utilized for sediment barriers and wildlife purposes. All cuts to be 2:1. All drainage outlets and lower location to have sediment barriers installed during construction and drilling.

RECLAMATION: Will be done immediately after well completion. Disturbed areas to be recontoured, terraced, or benched, permanent water control structures being installed. Disturbed areas to be revegetated, millet grain and vetch to be added to mixture to enhance wildlife habitat, focusing on birds. Soil tank dike to be installed as per Federal SPCC Regs. *Topsoil will be stockpiled for use in reclamation work.*

As

TRIO PETROLEUM  
API # 21-4271

No 2426

PIPELINE RIGHT OF WAY AGREEMENT

This right-of-way agreement, made and entered into this the 13TH day of

MAY, 1985, by and between James E. Chapman

(hereinafter called the Grantor(s))

and Trio Petroleum Corp. (hereinafter called the Company),  
a West Virginia Corporation

W I T N E S S E T H

That for and in consideration of the sum of One Dollar (\$1.00) to Grantor(s), cash in hand paid, the receipt of which is hereby acknowledged and the further consideration of Seven Hundred and 00/100----- Dollars (\$ 700.00 ) ~~perXXXXXX~~, to be paid after such grant shall be used or occupied, the undersigned to hereby grant unto the Company, its successors and assigns, the right to lay a pipeline over, across and through the premises hereinafter described, and to maintain, operate, repair, replace, and remove the same, together with valves, meters, compressors, and other necessary appurtenances on land in Dekalb District, Gilmer County, West Virginia and bounded as follows:

- On the North by Len Earl
- On the East by Charles Sypolt
- On the South by James Chapman & Reed
- On the West by Knoll, Johnson and Reed

and containing 32 acres, more or less, with the right of ingress and egress to and from the same.

The Company shall pay any damages which may arise to crops and fences from the laying, maintaining, operating, repairing, replacing and final removal of said pipeline. Said damages, if not mutually agreed upon, to be ascertained and determined by three disinterested persons, one thereof to be appointed by the said Grantor(s), his heirs or assigns, one by the Company, its successors or assigns, and the third by the two appointed as aforesaid, and the award of such three persons shall be final and conclusive.

This right of way agreement is subject to the following additional terms and conditions: (if none, so state)

15ft. Pipeline Right of way., to be burried and area revegitated. Should Pipeline ever need to be moved, it willbe moved at the pipeline owners expence. Right of way shall follow along side of county road right of way, County Road #3, known as sinking creek road. ONE THREE INCH LINE (3") LINE TO BE LEFT ABOVE GROUND WHERE TERRAIN IS ROUGH.

This Instrument Prepared By: Trio Petroleum Corp., Rt. 76, Box 35-E, Glenville, WV 26351

Payment of all money due Grantor(s) hereunder may be made directly to  
James E. Chapman or by draft or check made payable to his  
order and mailed to \_\_\_\_\_.

I hereby declare the total consideration paid for the property conveyed by  
this instrument to which this declaration is appended is \_\_\_\_\_

Seven Hundred and 00/100-----Dollars (\$ 700 .00 ). Given under my hand  
this the 13<sup>th</sup> day of May, 1985.

TRIO  
API # 21-4271  
PETROLEUM

James E. Chapman



STATE OF West Virginia,  
COUNTY OF Gilmer, to-wit:

I, Wendell Garton, a Notary Public of said county, do certify that  
James E. Chapman whose name is signed to  
the writing hereto annexed bearing date on the 13<sup>th</sup> day of May, 1985,  
has this day acknowledged the same before me in my said county.

My Commission Expires October 24, 1990.

Wendell Garton  
Notary Public

STATE OF \_\_\_\_\_,  
COUNTY OF \_\_\_\_\_, to-wit:

I, \_\_\_\_\_, a Notary Public of said county, do certify that  
\_\_\_\_\_ whose name is signed to

FILED  
1985 JUN 24 AM 10 23

STATE OF WEST VIRGINIA,  
GILMER COUNTY COMMISSION CLERK'S OFFICE  
June 24, 1985

The foregoing writing, together with the certificate thereto annexed, was this day admitted to record in  
said office.

TESTE: Lovella Stalnaker, CLERK.

CASTO & HARRIS INC., SPENCER, W. VA. RE-ORDER NO 83080-E

COUNTY OF \_\_\_\_\_, to-wit:

I, \_\_\_\_\_, a Notary Public of said county, do certify that  
\_\_\_\_\_ whose name is signed to  
the writing hereto annexed bearing date on the \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_,  
has this day acknowledged the same before me in my said county.

My Commission Expires \_\_\_\_\_.

Notary Public



A 10

# TRIO PETROLEUM CORP.

Petroleum Bldg., Rt. 76, Box 35-E, Glenville, West Virginia 26351 (304) 462-7311

November 1, 1984

WV Department of Mines  
Oil and Gas Division  
1615 Washington St., E.  
Charleston, WV 25311

Re: Drilling Permit  
Application

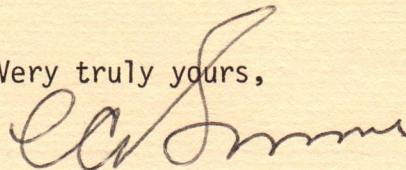
Whiting #1  
DeKalb District  
Gilmer County  
West Virginia

Dear Sir:

It has come to my attention that the original of the well location plat was not filed with the original application. Therefore, please find attached the Mylar and our sincere apologies.

Thank you.

Very truly yours,



E.A. Broome  
President

EAB:jlr

Enclosure

# HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

PINNSBURGH PA  
WESTON WV

BILLED ON TICKET NO. 937342

## WELL DATA

FIELD Sinking Creek SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY Clint STATE WV

| FORMATION NAME        | TYPE                   | NEW USED | WEIGHT       | SIZE   | FROM  | TO  | MAXIMUM PSI ALLOWABLE |     |
|-----------------------|------------------------|----------|--------------|--------|-------|-----|-----------------------|-----|
| FORMATION THICKNESS   | FROM                   | TO       | CASING       | N 20   | P 3/8 | 118 | 631                   | 400 |
| INITIAL PROD: OIL     | BPD. WATER             | BPD. GAS | MCFD         | LINER  |       |     |                       |     |
| PRESENT PROD: OIL     | BPD. WATER             | BPD. GAS | MCFD         | TUBING |       |     |                       |     |
| COMPLETION DATE       | MUD TYPE               | MUD WT.  | OPEN HOLE    |        |       |     | SHOTS/FT.             |     |
| PACKER TYPE           | SET AT                 |          | PERFORATIONS |        |       |     |                       |     |
| BOTTOM HOLE TEMP.     | PRESSURE               |          | PERFORATIONS |        |       |     |                       |     |
| MISC. DATA <u>10%</u> | TOTAL DEPTH <u>652</u> |          | PERFORATIONS |        |       |     |                       |     |

## TOOLS AND ACCESSORIES

| TYPE AND SIZE                        | QTY.        | MAKE         |
|--------------------------------------|-------------|--------------|
| FLOAT COLLAR                         |             |              |
| FLOAT SHOE                           |             |              |
| GUIDE SHOE <u>P 3/8</u>              | <u>1 EA</u> | <u>Howco</u> |
| CENTRALIZERS <u>P 3/8</u>            | <u>1 EA</u> | <u>Howco</u> |
| BOTTOM PLUG                          |             |              |
| TOP PLUG <u>Swipper Rupper P 3/8</u> | <u>1 EA</u> | <u>Howco</u> |
| HEAD <u>PCME</u>                     | <u>1 EA</u> | <u>Howco</u> |
| PACKER                               |             |              |
| OTHER <u>Basinet P 3/8</u>           | <u>1 EA</u> | <u>Howco</u> |

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER 4 GAL M/B

## JOB DATA

| CALLED OUT DATE  | ON LOCATION DATE | JOB STARTED DATE | JOB COMPLETED DATE |
|------------------|------------------|------------------|--------------------|
| <u>11/2/84</u>   | <u>11/2/84</u>   | <u>11/2/84</u>   | <u>11/2/84</u>     |
| TIME <u>0555</u> | TIME <u>0900</u> | TIME <u>1345</u> | TIME <u>1407</u>   |

## PERSONNEL AND SERVICE UNITS

| NAME              | UNIT NO. & TYPE | LOCATION      |
|-------------------|-----------------|---------------|
| <u>JL Helmick</u> | <u>106</u>      | <u>WESTON</u> |
| <u>D SHirey</u>   | <u>612</u>      | <u>WESTON</u> |
| <u>E HORNING</u>  | <u>1413</u>     | <u>WESTON</u> |

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT P 3/8 CASING

JOB DONE THRU: TUBING  CASING  ANNULUS  TSG./ANN.

CUSTOMER REPRESENTATIVE X Billy Hoffman

HALLIBURTON OPERATOR Jay Helmick COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE       | API CLASS | BRAND          | BULK SACKED                | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------------|-----------|----------------|----------------------------|-----------|------------------|-----------------|
|       | <u>160</u>      | <u>STD</u> | <u>A</u>  | <u>Howco B</u> | <u>3/8 CAD by Floccule</u> |           | <u>118</u>       | <u>15.6</u>     |

## PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 1 BBL REASON P/Request of pusher

## SUMMARY

VOLUMES

PRESLUSH: BBL. 11550 TYPE N20

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL. 41

CEMENT SLURRY: BBL. 33

TOTAL VOLUME: BBL.-GAL. 124

REMARKS See Job Log

CUSTOMER

CUSTOMER: Prio Petroleum  
JOB TYPE: CMT P 3/8 CASING  
DATE: 11/2/84



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

12/10/84 Halliburton: Weir; 1863-1890; 30,000# 20/40 Sand, 258 BGW & 12 BA  
 Injun; 1647-1650; 30,000# 20/40 Sand, 268 BGW & 12 BA  
 Big Lime & Maxton; 1577-1578 & 1484-1488; 5,000# 80/100&  
 30,000# 20/40 Sand, 313 BGW & 700 GA

WELL LOG

| FORMATION        | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS<br>Including indication of all fresh<br>and salt water, coal, oil and gas |   |
|------------------|-------|--------------|----------|-------------|---|---|
| Clay             |       |              | 0        | 6           | Water at 502 Ft.  |   |
| Soap Stone       |       |              | 6        | 13          |   |   |
| Red Rock         |       |              | 13       | 46          |   |   |
| Sand             |       |              | 46       | 81          |   |   |
| Shale & Red Rock |       |              | 81       | 149         |   |   |
| Sand             |       |              | 149      | 197         |   |   |
| Shale & Red Rock |       |              | 197      | 480         |   |   |
| Sand             |       |              | 480      | 750         |   | Gas Test @ 1116' - 8/10-1" H <sub>2</sub> O   |
| Shale            |       |              | 750      | 812         |   |   |
| Sand             |       |              | 812      | 1120        |   | Gas Test @ 1484' - 44/10-1" H <sub>2</sub> O<br>Gas Test @ 2013' - 60/10-1"<br>Gas @ 2506' - 8/10-2"<br>Gas @ 2996' - 8/10-2"<br>Gas @ 3514 - 4/10-2"<br><br>Gas @ 4533 - 38/10-1"<br>Gas @ 4997 - 64/10-1" |
| Sale             |       |              | 1120     | 1199        |   |   |
| Sand             |       |              | 1199     | 1298        |   |   |
| Shale            |       |              | 1298     | 1314        |   |   |
| Sand             |       |              | 1314     | 1538        |   |   |
| Little Lime      |       |              | 1538     | 1563        |   |   |
| Shale            |       |              | 1563     | 1582        |   |   |
| Big Lime         |       |              | 1582     | 1736        |   |   |
| Injun            |       |              | 1736     | 1825        |   |   |
| Shale            |       |              | 1825     | 4368        |   |   |
| Benson           |       |              | 4368     | 4373        |   |   |
| Shale            |       |              | 4373     | 5995        |   |   |
| RTD              |       |              | 5995     |             |   |   |

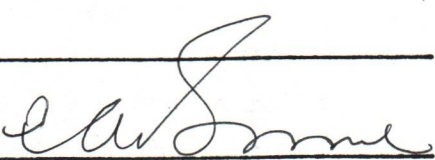
LOG TOPS  
 Maxton 1476  
 L. Lime 1522  
 B. Lime 1574  
 Injun 1640  
 Weir 1858

(Attach separate sheets as necessary)

Trio Petroleum Corp.  
 Well Operator

By: E.A. Broome, President

Date: 12/17/84



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  
 coal, encountered in the drilling of a well."





State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

**RECEIVED**  
AUG 6 - 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
January 9, 1984

COMPANY Trio Petroleum Corporation  
Route 76, Box 35-E  
Glenville, West Virginia 26351

PERMIT NO 021-4271 (11-05-84)  
FARM & WELL NO Harlen VanCamp, Whiting #  
DIST. & COUNTY Dekalb/Gilmer

| RULE  | DESCRIPTION                                       | IN COMPLIANCE |       |
|-------|---|---------------|-------|
|       |   | YES           | NO    |
| 23.06 | Notification Prior to Starting Work               | _____         | _____ |
| 25.04 | Prepared before Drilling to Prevent Waste         | _____         | _____ |
| 25.03 | High-Pressure Drilling                            | _____         | _____ |
| 16.01 | Required Permits at Wellsite                      | _____         | _____ |
| 15.03 | Adequate Fresh Water Casing                       | _____         | _____ |
| 15.02 | Adequate Coal Casing                              | _____         | _____ |
| 15.01 | Adequate Production Casing                        | _____         | _____ |
| 15.04 | Adequate Cement Strenght                          | _____         | _____ |
| 15.05 | Cement Type                                       | _____         | _____ |
| 23.02 | Maintained Access Roads                           | _____         | _____ |
| 25.01 | Necessary Equipment to Prevent Waste              | _____         | _____ |
| 23.04 | Reclaimed Drilling Pits                           | _____         | _____ |
| 23.05 | No Surface or Underground Pollution               | _____         | _____ |
| 23.07 | Requirements for Production & Gathering Pipelines | _____         | _____ |
| 16.01 | Well Records on Site                              | _____         | _____ |
| 16.02 | Well Records Filed                                | _____         | _____ |
| 7.05  | Identification Markings                           | _____         | _____ |

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

*PIPELINE RIGHT-OF-WAY AGREEMENTS  
TO NOT BURY LINE ATTACHED.*

SIGNED *Deo Mace*

DATE *7-29-85*

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

*T.H. r. B.*  
Administrator-Oil & Gas Division

August 16, 1985  
DATE

This right of way agreement is subject to the following additional terms and conditions: (if none, so state)

To be buried where possible & revegetated. Line to be left above ground were terrain rough.

Payment of all money due Grantor (s) hereunder may be made directly to Fred & <sup>Nora</sup> Lavon Davidson or by draft or check made payable to his order and mailed to Glenville, WV

I hereby declare the total consideration paid for the property conveyed by this instrument to which this declaration is appended is (\$ 1.00 ) ONE Dollars (\$ 1.00 ). Given under my hand this the 28th day of May, 19 85.

Fred Davidson
Nora L. Davidson

STATE OF WV

COUNTY OF Gilmer, to-wit;

I, Robert Lynn Radabaugh, a Notary Public of said county, do certify that Fred Davidson & <sup>Nora</sup> Lavon Davidson whose name is signed to the writing hereto annexed bearing date on the 28th day of May, 19 85, has this day acknowledged the same before me in my said county.

My Commission Expires Feb. 7 1994. Robert Lynn Radabaugh Notary Public

STATE OF

COUNTY OF, to-wit;

I, a Notary Public of said county, do certify that whose name is signed to the writing hereto annexed bearing date on the day of 19, has this day acknowledged the same before me in my said county.

My Commission Expires Notary Public

THIS INSTRUMENT PREPARED BY:

Trio Petroleum Corp. Rt. 76, Box 35 E Glenville, WV 26351

FILED 1985 JUN 24 AM 10:23

GILMER COUNTY CLERK GLENVILLE, WVA

STATE OF WEST VIRGINIA, GILMER COUNTY COMMISSION CLERK'S OFFICE

The foregoing writing, together with the certificate thereto annexed, was this day admitted to record in said office.

TESTE: Louella Stalnaker CLERK.

File

TRIO PETROLEUM  
API # 21-4271

No 2427  
PIPELINE RIGHT OF WAY AGREEMENT

This right-of-way agreement, made and entered into this the  
28<sup>th</sup> day of May, 19 85, by and between Fred  
Davidson & Lavon Davidson, H.W. (hereinafter called the Grantor (s))  
and Trio Petroleum Corp. ( hereinafter called the  
Grantee ~~(s)~~).

WITNESSETH

RECEIVED  
AUG 6 - 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

That for and in consideration of the sum of One Dollar ~~(\$1.00)~~  
to Grantor (s), cash in hand paid, the receipt of which is hereby ack-  
nowledged and the further consideration of 1.00 Dollar~~X~~  
(\$ ~~per lineal rod~~) per lineal rod, to be paid after such grant shall be  
used or occupied, the undersigned to hereby grant unto the Grantee, its  
successors and assigns, the right to lay a pipeline over, across and  
through the premises hereinafter described, and to maintain, operate  
repair, replace, and remove the same, together with valves, meters, and  
other necessary appurtenances on land in Dekalb District,  
Gilmer County, West Virginia and bounded as  
follows:

WATERS OF Sinking Creek  
ON THE NORTH BY J.E. Chapman  
ON THE EAST BY VanCamp, Moyers, Fisher  
ON THE SOUTH BY Tedford and Little Kanawha River  
ON THE WEST BY E. Reed and Sinking Creek  
and containing 39 acres, more or less, with the right of  
ingress and egress to and from the same.

The Grantee shall pay any damages which may arise to crops and  
fences from the laying, maintaining, operating, repairing, replacing and  
final removal of said pipeline. Said damages, if not mutually agreed  
upon to be ascertained and determined by three disinterested persons,  
one thereof to be appointed by the said Grantor (s), his heirs or assigns,  
one by the Grantee ~~(s)~~, its successors or assigns, and the third by the  
two appointed as aforesaid, and the award of such three persons shall be  
final and conclusive.



10/10/1944  
11/10/1944

10/10/1944



RECEIVED  
AIR 8 - 10

DEPARTMENT OF DEFENSE  
DIVISION OF AIR & GROUND

TRIO PETROLEUM  
API # 21-4271

No 2428  
PIPELINE RIGHT OF WAY AGREEMENT

This right-of-way agreement, made and entered into this the 13th day of  
May 1985, by and between Erma R. Reed  
(by: Onidee Nutter, her daughter) (hereinafter called the Grantor(s))  
and Trio Petroleum Corp., (hereinafter called the Company),  
a West Virginia Corporation

W I T N E S S E T H

That for and in consideration of the sum of One Dollar (\$1.00) to Grantor(s),  
cash in hand paid, the receipt of which is hereby acknowledged and the further  
consideration of Three Dollars  
(\$ 3.00) per lineal rod, to be paid after such grant shall be used or  
occupied, the undersigned to hereby grant unto the Company, its successors and  
assigns, the right to lay a pipeline over, across and through the premises here-  
inafter described, and to maintain, operate, repair, replace, and remove the same,  
together with valves, meters, compressors, and other necessary appurtenances on  
land in Dekalb District, Gilmer County, West Virginia and bounded  
as follows: Sinking Creek

- On the North by R. Gainer
- On the East by J. Chapman & Davidson
- On the South by State Route 5
- On the West by R. Gainer

and containing 60 acres, more or less, with the right of ingress and egress  
to and from the same.

The Company shall pay any damages which may arise to crops and fences from the  
laying, maintaining, operating, repairing, replacing and final removal of said  
pipeline. Said damages, if not mutually agreed upon, to be ascertained and deter-  
mined by three disinterested persons, one thereof to be appointed by the said  
Grantor(s), his heirs or assigns, one by the Company, its successors or assigns,  
and the third by the two appointed as aforesaid, and the award of such three persons  
shall be final and conclusive.

This right of way agreement is subject to the following additional terms and  
conditions: (if none, so state)

- 15 ft. Pipeline Right of Way. from Fred Davidson land to James Chapman Land.
- Line to be measured at time of construction. Line does not have to be buried.

This Instrument Prepared By: Trio Petroleum Corp., Rt. 76, Box 35-E, Glenville, WV 26351

Payment of all money due Grantor(s) hereunder may be made directly to

ERMA R. REED or by draft or check made payable to his order and mailed to GLENVILLE, W.V.

I hereby declare the total consideration paid for the property conveyed by this instrument to which this declaration is appended is THREE HUNDRED & 00/100 Dollars (\$ 300.00). Given under my hand this the 13th day of MAY, 1985.



Erma R. Reed  
by Onidea Nutter  
(daughter)

STATE OF West Virginia  
COUNTY OF Gilmer, to-wit:

I, Dwight Gerton, a Notary Public of said county, do certify that Erma R. Reed by Onidea Nutter whose name is signed to the writing hereto annexed bearing date on the 13th day of May, 1985, has this day acknowledged the same before me in my said county.

My Commission Expires Oct 24, 1990. Dwight Gerton  
Notary Public

STATE OF \_\_\_\_\_,  
COUNTY OF \_\_\_\_\_, to-wit:

I, \_\_\_\_\_, a Notary Public of said county, do certify that \_\_\_\_\_ whose name is signed to the writing hereto annexed bearing date on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, has this day acknowledged the same before me in my said county.

FILED

1985 JUN 24 AM 10:23

STATE OF WEST VIRGINIA,  
GILMER COUNTY COMMISSIONER

June 24, 1985

The foregoing writing, together with the certificate thereto annexed, was this day admitted to record in said office.

TESTE: Lowella Stalnaker, CLERK.

\_\_\_\_\_ whose name is signed to the writing hereto annexed bearing date on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, has this day acknowledged the same before me in my said county.

My Commission Expires \_\_\_\_\_  
Notary Public

P 747 145 970

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Permit Application (Whiting #1)  
U.S.G.P.O. 1983-403-517  
PS Form 3800, Feb. 1982

|   |                         |         |
|---|-------------------------|---------|
| Sent to   | Harlen M. VanCamp       |         |
| Street and No.  | Rt. 1A, Box 77          |         |
| P.O. State and ZIP Code                                       | Harpers Ferry, WV 25425 |         |
| Postage   |                         | \$ .37  |
| Certified Fee   |                         | 75      |
| Special Delivery Fee  |                         |         |
| Restricted Delivery Fee                                       |                         |         |
| Return Receipt Showing to whom and Date Delivered             |                         | 60      |
| Return receipt showing to whom, Date, and Address of Delivery |                         |         |
| Total (Rate and Fees)   |                         | \$ 1.72 |
| Postmark Date   | OCT 3 1984<br>USPO      |         |

6040'

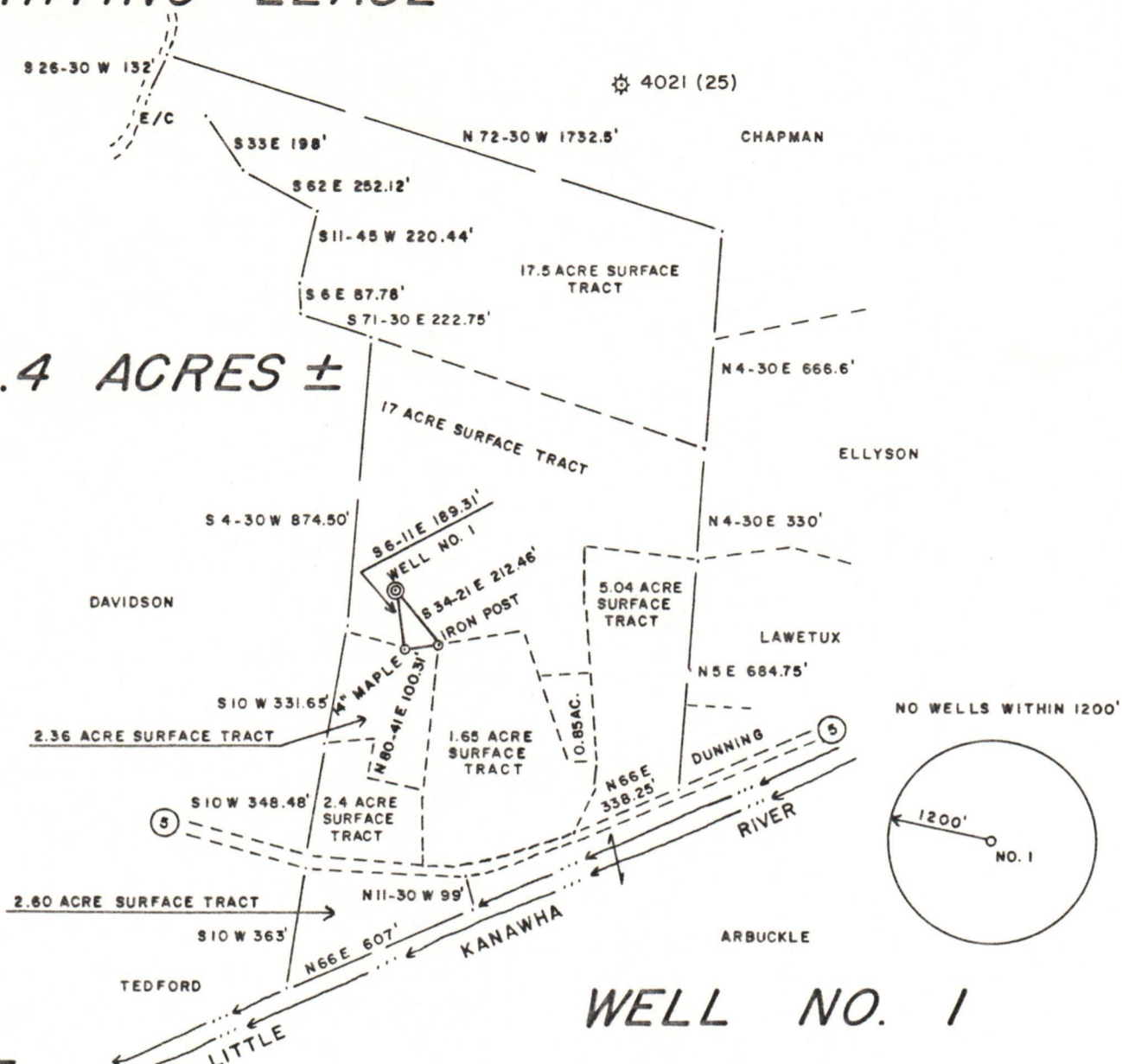
LATITUDE 38-57-30

# WHITING LEASE



LONGITUDE 80-52-30

## 49.4 ACRES ±



NORTH



NOTE: CORNERS USED AS REFERENCES

FILE NO. 14-60  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. ELEV. = 727'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Gregory A. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE JUNE 25, 19 84  
 OPERATOR'S WELL NO. NO. 1  
 API WELL NO. \_\_\_\_\_  
47-021-4271  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 878' WATERSHED LITTLE KANAWHA RIVER  
 DISTRICT DEKALB COUNTY GILMER  
 QUADRANGLE TANNER 7.5'  
 SURFACE OWNER HARLEN M. VAN CAMP ACREAGE 17.0  
 OIL & GAS ROYALTY OWNER ASA V. WHITING LEASE ACREAGE 49.4  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ELK ESTIMATED DEPTH 5500'  
 WELL OPERATOR TRIO PETROLEUM CORP. DESIGNATED AGENT E. A. BROOME  
 ADDRESS R.T. 76 BOX 35E ADDRESS R.T. 76 BOX 35E  
GLENVILLE, WV. 26351 GLENVILLE, WV. 26351