

RECEIVED

DEC 12 1984



- 1) Date: December 5, 19 84
- 2) Operator's Well No. Alden Rogers #2
- 3) API Well No. 47 - 033 - 3131
State County Permit

OIL & GAS DIV.
DEPT. OF MINES

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: 1080' Watershed: Simpson Creek ROSEMONT
District: Simpson County: Harrison Quadrangle: Brownson 7 1/2'
- 6) WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION 7) DESIGNATED AGENT STEVEN R. WILLIAMS
Address PO BOX 26, 103 EAST MAIN STREET BRIDGEPORT, WV 26330 38200 Address PO BOX 26, 103 EAST MAIN STREET BRIDGEPORT, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name STEPHEN CASEY Address RT 2, BOX 232-D JANE LEW, WV 26378
- 9) DRILLING CONTRACTOR: Name _____ 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, BENSON
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate trata depths: Fresh, 30; 120 feet; salt, 1250 feet.
- 14) Approximate coal seam depths: 120 Is coal being mined in the area? Yes / No /

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		
Conductor	11 3/4	H-40	42#	X		30			Kinds
Fresh water									Sizes
Coal									
Intermediate	8 5/8	J-55	20#	X		900	900	400 sks	Perforations: cement to surface (neat cmt)
Production	4 1/2	J-55	10.5#	X		5000	5000		400 sks <u>or as required by rule 05.01</u>
Tubing									
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3131

December 12, 19 84
Date

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 December 12, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>116</u>	<u>MW</u>	<u>MW</u>	<u>MW</u>	<u>8.55 - 687</u>

Margaret J. Hesse
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.

File



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OFFICE USE ONLY

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

1. LOCATION: Blaine, Simpson County, West Virginia, 26330
 2. WELL OPERATOR: STEVEN R. WILLIAMS, 103 EAST MAIN STREET, BRIDGEPORT, WV 26330
 3. DRILLING CONTRACTOR: JAMES LEW, 26378
 4. PROPOSED WELL WORK: [Blank]
 5. GEOLOGICAL TARGET FORMATION: [Blank]
 6. ESTIMATED DEPTH OF COMPLETED WELL: 3000 feet
 7. APPLICANT'S ESTIMATE: 30: 120
 8. OPERATOR'S ESTIMATE: 120

DATE	DESCRIPTION	DEPTH (FEET)	REMARKS
1-12-86	1-55 10.5	3000	
8-21-86	1-55 204	3000	
1-12-86	1-55 10.5	3000	
	3000	3000	concrete to surface (next cmf)

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 Follow-up inspection(s)
 Well work started " "
 Completion of the drilling process " "
 Well Record received " "
 Reclamation completed " "

OTHER INSPECTIONS

Reason: [Signature]
 Reason: [Signature]

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

RECEIVED
SURFACE OWNER'S COPY
DEC 12 1984



1) Date: December 5, 19 84
 2) Operator's Well No. Alden Rogers #2
 3) API Well No. 47
 State _____ County _____ Permit _____

**OIL & GAS DIV.
DEPT. OF MINES**

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

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow _____ /)
- 5) LOCATION: Elevation: 1080 Watershed: Simpson Creek
 District: Simpson County: Harrison Quadrangle: Brownston 7 1/2'
- 6) WELL OPERATOR: PETROLEUM DEVELOPMENT CORPORATION 7) DESIGNATED AGENT: STEVEN R. WILLIAMS
 Address: PO BOX 26, 103 EAST MAIN STREET Address: PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name: STEPHEN CASEY Name: _____
 Address: RT 2, BOX 232-D Address: _____
JANE LEW, WV 26378
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, BENSON
- 12) Estimated depth of completed well, 5000 feet
 13) Approximate strata depths: Fresh, 30; 120 feet; salt, 1250 feet.
 14) Approximate coal seam depths: 120 Is coal being mined in the area? Yes _____ / No XX /

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			
Conductor	11 3/4	H-40	42#	x		30			Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	J-55	20#	x		900	900	cement to surface (neat cmt)		
Production	4 1/2	J-55	10.5#	x		5000	5000	400 ska	Depths set	
Tubing										
Liners									Perforations:	
									Top Bottom	

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Douglas P. Whyte Date: 12/5/84
 (Signature)
 _____ Date: _____
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

1) Date: December 4, 1984
2) Operator's Well No. Alden Rogers #2
3) API Well No. 47-033-3131
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 Douglas P. Whyte
Address P. O. Box 822
Bridgeport, WV 26330
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Alden C. Rogers, Jr. widower
Address 432 Grand Avenue
Bridgeport, WV 26330

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
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.

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.

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OIL & GAS DIV.
DEPT. OF MINES



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA

DEBORAH A. BESSIE
P. O. Box 206
Bridgeport, WV
My Commission Expires August 6, 1992

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

Steven R. Williams

this 5th day of December, 1984.
My commission expires August 6, 1992.

Deborah A. Bessie

Notary Public, Harrison County,
State of West Virginia

WELL OPERATOR Petroleum Development Corporation

By Steven R. Williams
Its President

Address P. O. Box 26
Bridgeport, WV 26330
Telephone (304) 842-6256

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Alden C. Rogers	Petroleum Develop. Corp.	.125	1059/946

COAL OWNER'S COPY
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 State _____ County _____ Permit _____

**OIL & GAS DIV.
DEPT OF MINES**

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

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____ /)
- 5) LOCATION: Elevation: 1020' Watershed: Simpson Creek
 District: Simpson County: Harrison Quadrangle: Brownston 7 1/2'
- 6) WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION 7) DESIGNATED AGENT STEVEN R. WILLIAMS
 Address PO BOX 26, 103 EAST MAIN STREET BRIDGEPORT, WV 26330 Address PO BOX 26, 103 EAST MAIN STREET BRIDGEPORT, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name STEPHEN CASEY Address RT 2, BOX 232-D JANE LEW, WV 26378
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation 33-7 / Perforate new formation _____
 Other physical change in well (specify) _____
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CASING OR TUBING TYPE	SPECIFICATIONS						FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
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Intermediate	8 5/8	J-55	20#	x		900	900	400 sks	cement to surface (neat cmt)	
Production	4 1/2	J-55	10.5#	x		5000	5000		Depths set <u>125-01</u>	
Tubing										
Liners									Perforations: Top _____ Bottom _____	

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner X / lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 12-5-, 19 84

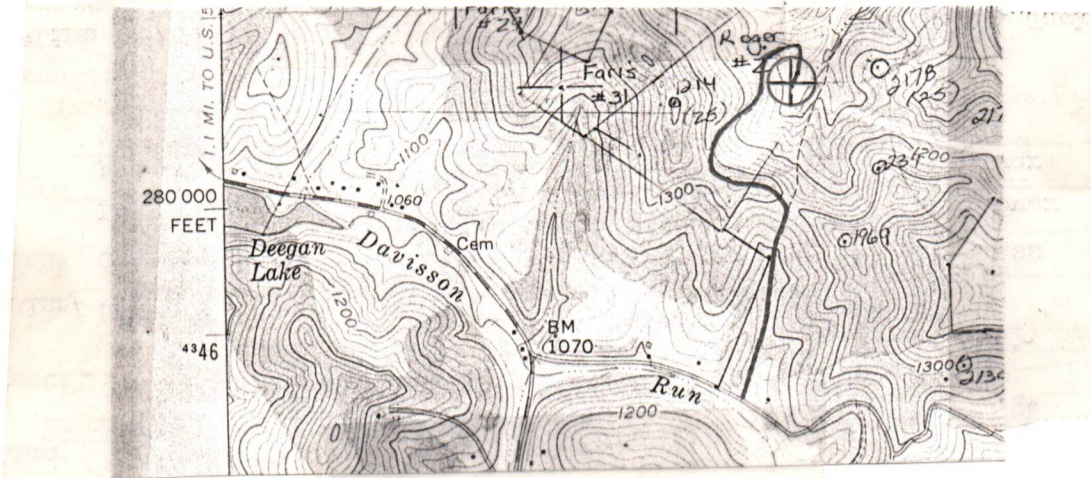
By Alden Rogers

 Its _____

ATTACH OR PHOTOCOPIY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Rosemont 7 1/2'

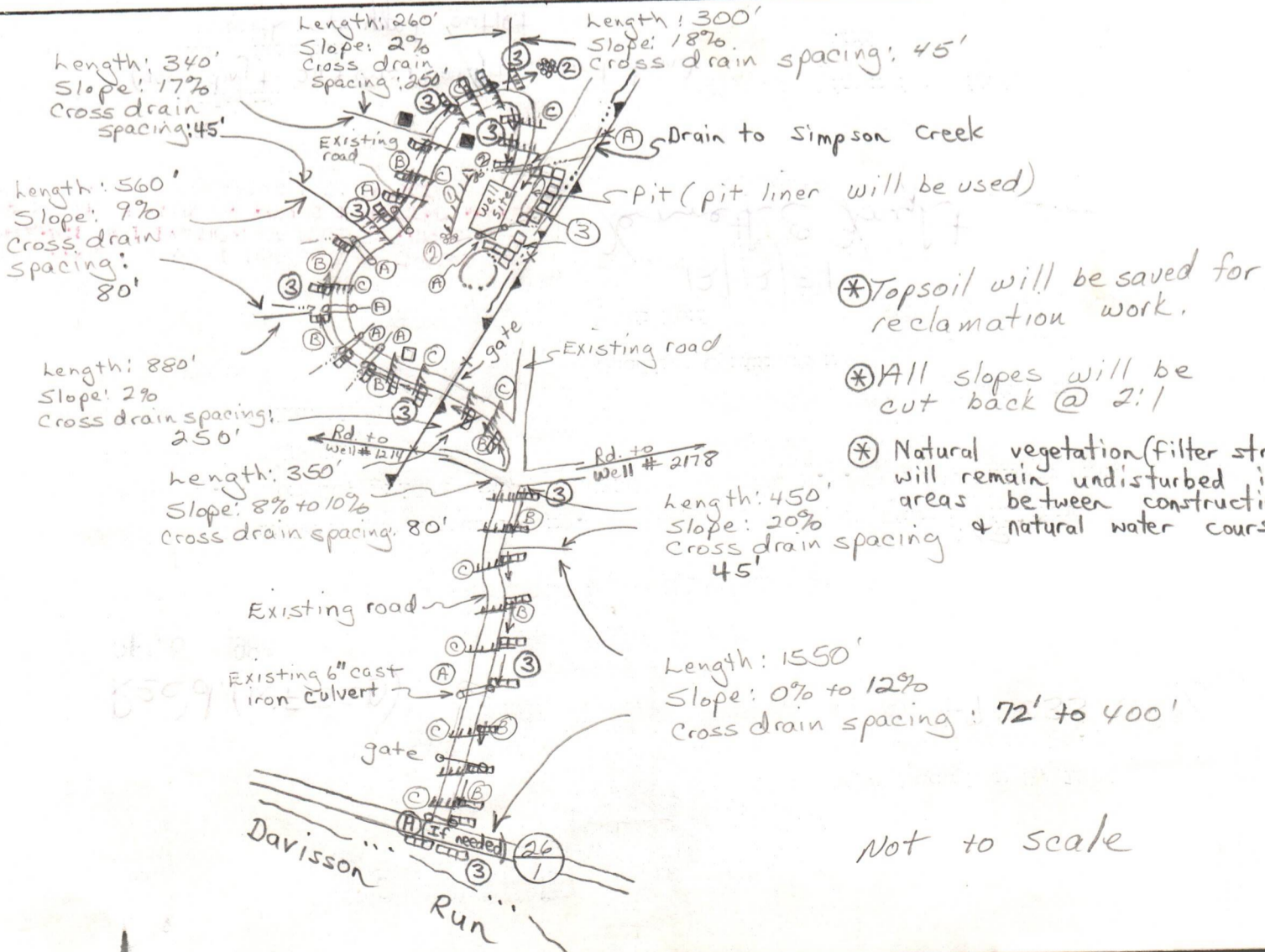
LEGEND	
Well Site	
Access Road	



WELL SITE PLAN

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

LEGEND	
Property boundary	
Road	
Existing fence	
Planned fence	
Stream	
Open ditch	
Diversion	
Spring	
Wet spot	
Building	
Drain pipe	
Waterway	



- (*) Topsoil will be saved for reclamation work.
- (*) All slopes will be cut back @ 2:1
- (*) Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses

RECEIVED

OIL & GAS DIV.

Rec'd. (WFSCD)

DEC 6 1984

Department of Mines
Oil and Gas Division



DATE December 5, 1984

WELL NO. Rogers No. 2

API NO. 47-033-3131

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp.

Address P.O. Box 26, Bridgeport, WV 26330

Telephone 842-6256

LANDOWNER Douglas Whyte

Revegetation to be carried out by

Seeding Contractor

(Agent)

SOIL CONS. DISTRICT West Fork

Telephone 842-6256

Address P.O. Box 26, Bridgeport, WV 26330

DESIGNATED AGENT Steven Williams

This plan has been reviewed by
and additions become a part of this plan:

West Fork
SCD. All corrections

12/12/84
Kenneth E Knight
(SCD Agent)

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

Structure Culvert (according to Oil & Gas Manual)
Spacing 18" diameter
Page Ref. Manual 2.7
with rapped outlet

(B) Structure Drainage ditch
Spacing Inside road cuts
Page Ref. Manual 2.12

(C) Structure Cross Drains
Spacing as noted on back section of plan
with rapped outlet
Page Ref. Manual 2.1

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

Field Treatment Area I
* Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Orchard grass 12 lbs/acre
Ladino clover 3 lbs/acre
Alsike clover 4 lbs/acre
Timothy 3 lbs/acre
*Inoculate all legumes such as batch, trefoil and clovers with the proper bacterium.
*Lime according to pH test

Field Treatment Area II
* Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Orchard grass 12 lbs/acre
Ladino clover 3 lbs/acre
Alsike clover 4 lbs/acre
Timothy 3 lbs/acre
*Inoculate with 3X recommended amount.

PLAN PREPARED BY David L. Jackson

ADDRESS P.O. Box 969

Buckhannon, WV 26201

PHONE NO. 472-9369

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

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

Performed 75 Quality foam frac on Benson. Perforated zone with 13 shots (4212'-16'). Pumped away 776 bbl sand laden foam using 50,000 lb. of 20/40 sand and 876,000 scf N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB - GL			0	10	hole damp @ 9', 23', 40'
sand, shale, redrock			10	1195	½" stream H2O @ 47'
big lime			1195	1276	coal @ 19'
big injun			1276	1342	gas @ 1314'; no show
sand, shale			1342	1711	
50 foot sand			1711	1759	gas @ 1720'; 6/10 thru ½" w/H2O
sand, shale			1759	1789	
30 foot sand			1789	1821	
sand, shale			1821	1863	
gordon stray			1863	1878	
sand, shale			1878	1882	
gordon			1882	1903	
sand, shale			1903	2020	
4th sand			2020	2044	gas @ 2028'; 10/10 thru ½" w/H2O
sand, shale			2044	2078	
5th sand			2078	2107	
sand, shale			2107	2110	
lower 5th			2110	2131	
sand, shale			2131	2201	
bayard			2201	2246	gas @ 2212'; 10/10 thru ½" w/H2O
sand, shale			2246	2814	gas @ 2802'; 12/10 thru ½" w/H2O
speechley			2814	2906	
sand, shale			2906	3141	gas @ 3110'; 8/10 thru ½" w/H2O
balltown			3141	3346	
sand, shale			3346	3400	
bradford			3400	3518	
sand, shale			3518	3906	gas @ 3888'; 12/10 thru ½" w/H2O
riley			3906	4087	
sand, shale			4087	4191	
benson			4191	4219	
sand, shale			4219	4350 TD	driller
				4351 TD	logger
					gas @ 4226'; 96/10 thru ½" w/H2O
					gas after drill collars; 30/10 thru 1" w/H2O

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By: *[Signature]*

Date: 1/9/85

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."



IV-35
(Rev 8-81)

RECEIVED
JAN 17 1985

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date 1/10/85
Operator's
Well No. #2
Farm Alden Rogers
API No. 47 - 033 - 3131

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas^{xx} / Liquid Injection / Waste Disposal /
(If "Gas," Production_{xx} / Underground Storage / Deep / Shallow xx /)

LOCATION: Elevation: 1080' Watershed Simpson Creek
District: Simpson County Harrison Quadrangle Rosemont 7 1/2'

COMPANY PETROLEUM DEVELOPMENT CORPORATION
ADDRESS 103 EAST MAIN ST. BRIDGEPORT, WV 26330
DESIGNATED AGENT STEVEN R. WILLIAMS
ADDRESS 103 EAST MAIN ST, BRIDGEPORT, WV 26330
SURFACE OWNER DOUGLAS P. WHYTE
ADDRESS PO BOX 822, BRIDGEPORT, WV 26330
MINERAL RIGHTS OWNER ALDEN C. ROGERS, WIDOWER
ADDRESS 432 GRAND AVE, BRIDGEPORT, WV 26330
OIL AND GAS INSPECTOR FOR THIS WORK STEPHEN
CASEY ADDRESS JANE LEW, WV 26378

PERMIT ISSUED DECEMBER 12, 1984
DRILLING COMMENCED DECEMBER 20, 1984
DRILLING COMPLETED DECEMBER 24, 1984

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30'	30'	cement to surface
9 5/8			
8 5/8	932'	932'	230 sks
7			
5 1/2			
4 1/2	4326'	4326'	565 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5000 feet
Depth of completed well 4351 feet Rotary xx / Cable Tools
Water strata depth: Fresh 47 feet; Salt n/a feet
Coal seam depths: 19' Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Benson Pay zone depth 4212 -16 feet
Gas: Initial open flow not taken Mcf/d Oil: Initial open flow Bbl/d
Final open flow 1154 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1950 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

HARR-3131

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

RECEIVED
DEC 26 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 33-3131

Oil or Gas Well _____
(KIND)

Company Petrol. Dev. Co.
 Address _____
 Farm D Whyte
 Well No. Rogers 2
 District Simpson County Harr.
 Drilling commenced 12-19-84
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 53 feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 1/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT 9 FEET 36 INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Morris?

Remarks: dr. 482

12-20-84
DATE

Steve Casey
DISTRICT WELL INSPECTOR

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

RECEIVED
JAN 2 - 1985

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 33-3131

Oil or Gas Well _____
(KIND)

Company PDC

Address _____

Farm White

Well No. Rogers 2

District _____ County Harv.

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
13			Size of
10			
8 1/4			Depth set
6 1/2			
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Morris 7

Remarks: 8 7/8 923' 230 SWS. BJH

12-21-84
DATE

Steve Casey
DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

**FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
January 23, 1985**

COMPANY Petroleum Development Corp.

PERMIT NO 033-3131 (12-12-84)

P. O. Box 26

FARM & WELL NO Douglas P. Whyte,
A. Rogers #2

Bridgeport, West Virginia 26330

DIST. & COUNTY Simpson/Harrison

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

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

SIGNED Steve Casey

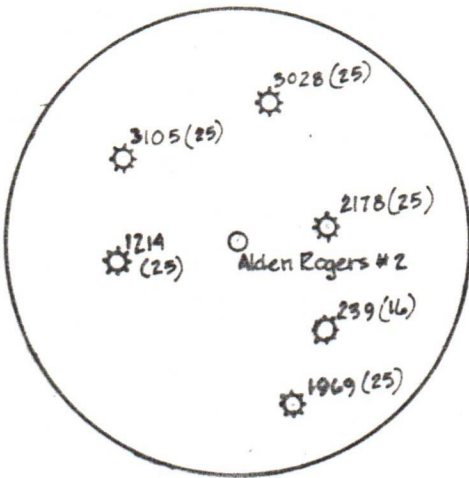
DATE 8-28-85

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.

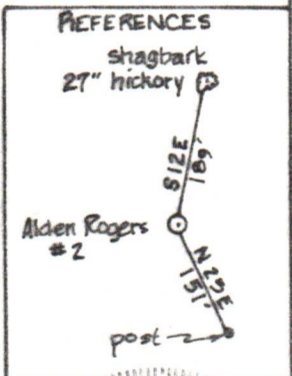
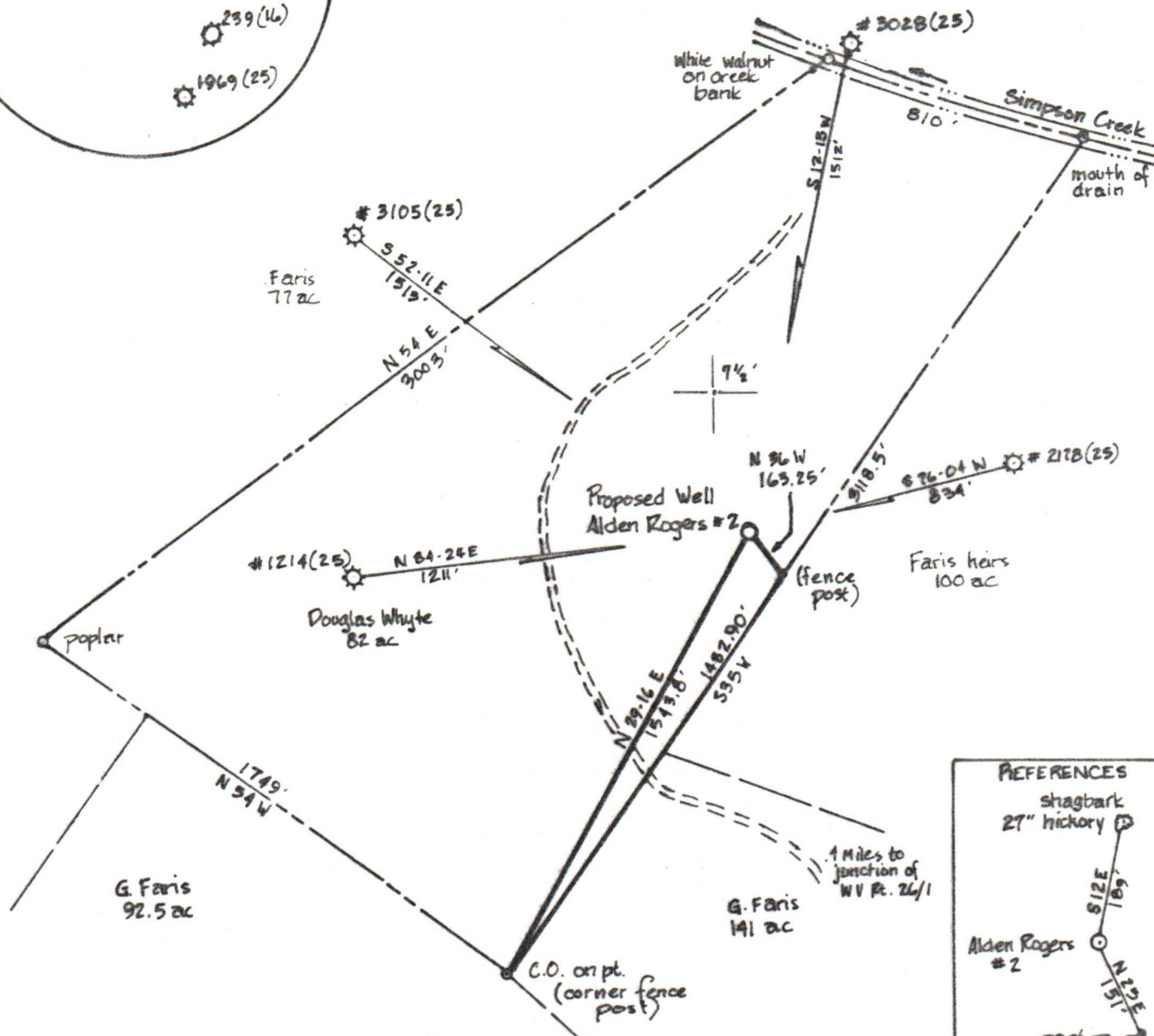
T. H. ...
Administrator-Oil & Gas Division

September 9, 1985

DATE



NORTH



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Well No. 3034 2500'
Northwest of location; elev. 1132'

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) David L. Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE December 5, 1984
 OPERATOR'S WELL NO. Alden Rogers #2
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1080 WATER SHED Simpson Creek
 DISTRICT Simpson COUNTY Harrison
 QUADRANGLE Rosemont 7 1/4'
 SURFACE OWNER Douglas Whyte ACREAGE 82
 OIL & GAS ROYALTY OWNER Alden C. & Betty Jo Rogers LEASE ACREAGE 82
 LEASE NO. 73500
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Benson ESTIMATED DEPTH 5000'
 WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT Steven Williams
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

COUNTY NAME
 PERMIT