

RECEIVED



JUL 8 1985

1) Date: June 07, 1985, 19__
 2) Operator's Well No. Seven (7)
 3) API Well No. 47 - 043-2668
 State County Permit

OUR INFORMATION

OUR #7 INFORMATION

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1082' Watershed: Stinson Creek
 District: Jefferson County: Lincoln Quadrangle: Griffithsville 385
- 6) WELL OPERATOR R. H. ADKINS 7) DESIGNATED AGENT R. L. HOOSER
 Address P. O. Box 555 Address P. O. Box 555
Hamlin, WV 25523 750 Hamlin, WV 25523
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Holcomb Name RJR Drilling, Inc.
 Address Rural Route # 1, Box # 28 Address P. O. Box 555
Hamlin, WV 25523 Hamlin, WV 25523
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 12) Estimated depth of completed well, 3,600' feet
 13) Approximate strata depths: Fresh, 50' feet; salt, 1100' feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /
- 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	12				X	20	20		Kinds
Fresh water									
Coal	8 5/8			X		590'	590'	Cement to Surface	Size
Intermediate	7					1825'	1825'	Cement 50'	Depths set
Production									Perforations:
Tubing	4"					3600'	3600'		Top Bottom
Liners									

**OFFICE USE ONLY
 DRILLING PERMIT**

Permit number 47-043-2668

Date July 9 19 85

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 July 9, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ALB</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>242</u>
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Margaret J. Hassel
 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

Well No.	Location	Operator	County	City/Town	Address	Phone	Proposed Well Work	Permit No.	Issue Date	Expiration Date	Modification/Condition
10881	Jackson	Jackson	Lincoln	Lincoln	P. O. Box 252	780	X				
10882	Jackson	Jackson	Lincoln	Lincoln	P. O. Box 252	780	X				
10883	Jackson	Jackson	Lincoln	Lincoln	P. O. Box 252	780	X				

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: _____

1) Date: JULY 05, 1985
2) Operator's Well No. SEVEN (7)
3) API Well No. 47-043-2668
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 JACKIE COOPER
Address _____
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR NOT OPERATED
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

JACKIE COOPER

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. THESE 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) EXTRACTON RIGHTS
Check and provide one of the following:
 Included as the lease or leases or other containing 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.

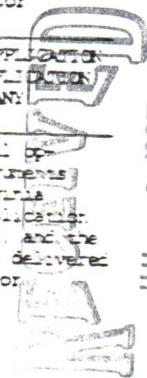
See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

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

R. H. HOOPER
this 7th day of JULY, 1985.
My commission expires 11-28, 1994.

Ronald H Hooper
Notary Public, _____ County,
State of _____

WELL OPERATOR R. H. ADKIN'S
By R. L. Hooper
Its AGENT
Address P.O. Box 555
Hamlin, WV 25623
Telephone 824-3935



JUL 8 1985

OIL & GAS DIVISION
DEPT. OF MINES

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 or 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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page



IV-9
(Rev 8-81)

DATE July 05, 1955
WELL NO. SEVEN(7)
API NO. 47-043-2668

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME R. H. ADKINS
Address P.O. Box 555, Hamlin, WV 25523
Telephone 824-3134

DESIGNATED AGENT R. L. HOOSER
Address P.O. Box 555, Hamlin, WV 25523
Telephone 824-3935

LANDOWNER JACKIE COOPER
Revegetation to be carried out by BUDDY HOLLEY

SOIL CONS. DISTRICT GUYAN
(Agent)

This plan has been reviewed by DENVER STONE, GUYAN SCD. All corrections and additions become a part of this plan: JULY 05, 1955 (Date)

Denver Stone
(SCD Agent)

RECEIVED
JUL 8 1955
OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure Use COUNTY ROAD TO RIDGE (A)
Spacing AT HEAD OF PARSNER-THEN USE
Page Ref. Manual FARM ROAD ACROSS
Structure PASTURE TO LOCATION. (B)
Spacing WILL USE DRAINS AS
Page Ref. Manual REQUIRED.
Structure _____ (C)
Spacing _____
Page Ref. Manual _____

Structure ON FLAT PASTURE (1)
Material LAND ON MILITARY
Page Ref. Manual CREST OF THE
Structure HILL AT HEAD OF (2)
Material PARSNER CREEK ONLY
Page Ref. Manual NEEDS LEVEL
Structure OUT. E. D. O. P. T. (3)
Material _____
Page Ref. Manual _____

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

Treatment Area I

Lime TWO Tons/acre
or correct to pH 6.5-7.0
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch 1 1/2 Tons/acre
Seed* K-31 FESCUE 35 lbs/acre
LADINO CLOVER 2 lbs/acre
1 BAG INNOCUANT lbs/acre

Treatment Area II

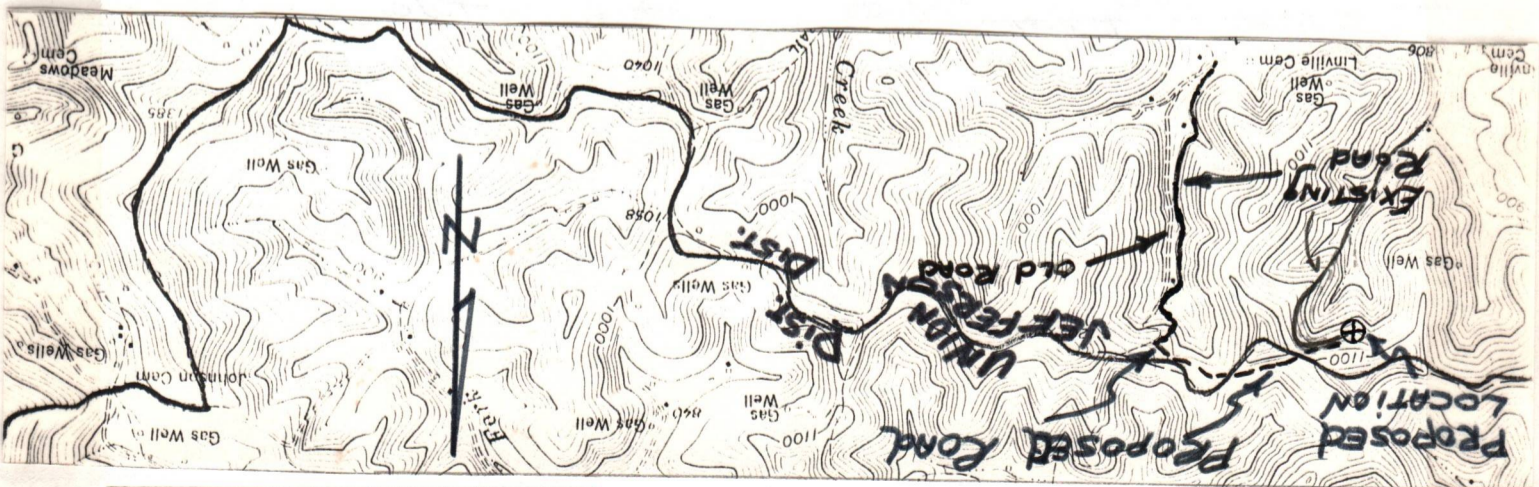
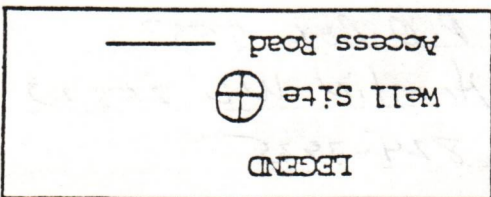
Lime TWO Tons/acre
or correct to pH 6.5-7.0
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch 1 1/2 Tons/acre
Seed* K-31 FESCUE 35 lbs/acre
PERENNIAL RYEGRASS 15 lbs/acre
LADINO CLOVER 2 lbs/acre
1 BAG INNOCUANT

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

PLAN PREPARED BY R. L. HOOSER
ADDRESS P. O. BOX 555
HAMLIN, WV 25523
PHONE NO. 824-3935

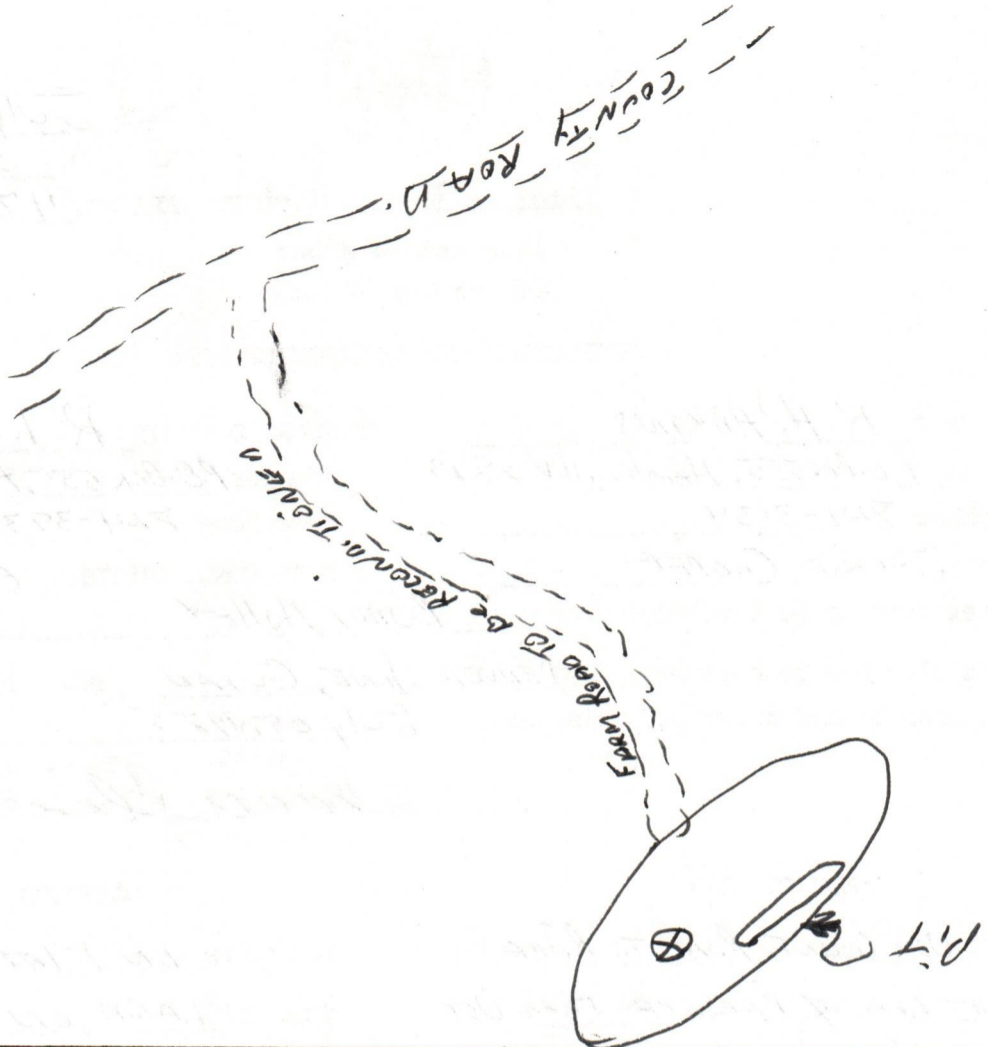
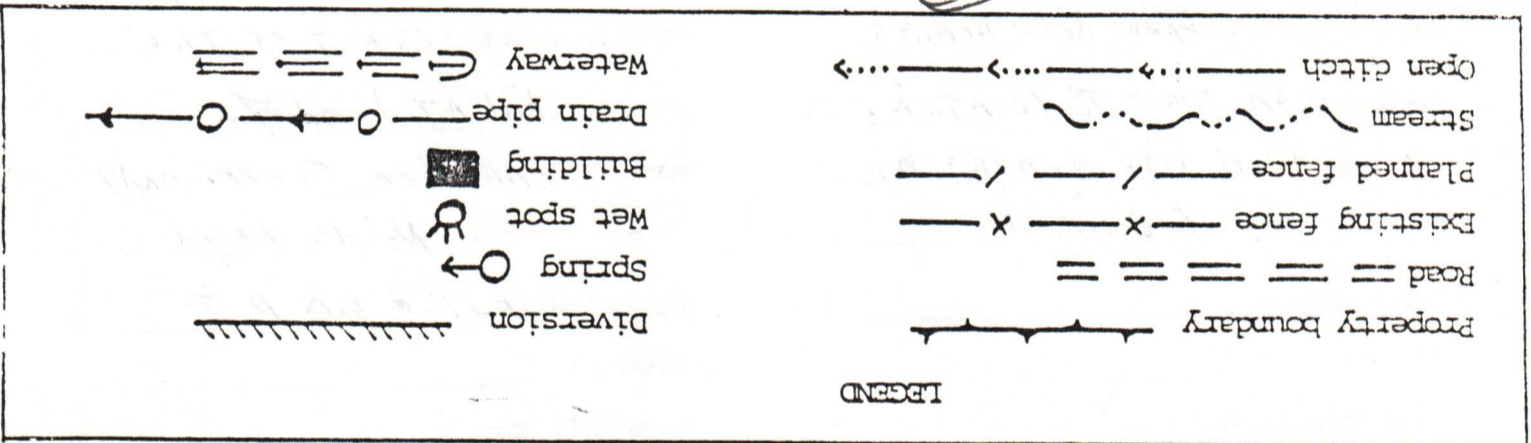
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

SECTION OR PHOTO COPY SECTION OF
 INVOLVED TOPOGRAPHIC MAP.
 ARRANGEMENT GRAEFTHSVILLE



WELL SITE PLAN

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



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF WEST VIRGINIA,
COUNTY OF LINCOLN :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) X / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. SEVEN located in JEFFERSON District, LINCOLN County, West Virginia, upon the person or organization named--

JACKIE COOPER

--by delivering the same in LINCOLN County, State of W.Va on the ___ day of _____, 19__ in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- Handing it to him / her ___ / or, because he ___ / she ___ / refused to take it when I offered it, by leaving it in his ___ / her ___ / presence.
- Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

- Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

- Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

- Handing it to the corporation's employee ___ / officer ___ / director ___ / attorney in fact ___ / named _____.

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 7th day of July, 1985.
My commission expires _____.

Ronald H. Hooper
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

RECEIVED
JUL 23 1985
DIVISION OF MINE & GAS
DEPT. OF MINES



1) Date: June 07, 1985, 19____
 2) Operator's Well No. Seven (7)
 3) API Well No. 47
 State _____ County _____ Permit _____

OUR INFORMATION

OUR #7 INFORMATION

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1082' Watershed: Stinson Creek
 District: Jefferson County: Lincoln Quadrangle: Griffithsville
- 6) WELL OPERATOR R. H. ADKINS 7) DESIGNATED AGENT R. L. HOOPER
 Address P. O. Box 555 Address P. O. Box 555
Hamlin, WV 25523 Hamlin, WV 25523
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Holcomb Name RJR Drilling, Inc.
 Address Rural Route # 1, Box # 28 Address P. O. Box 555
Hamlin, WV 25523 Hamlin, WV 25523
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 12) Estimated depth of completed well, 3,600' feet
- 13) Approximate trata depths: Fresh, 50' feet; salt, 1100' feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /
- 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		Sizes	Depths set
Conductor	12				X	20	20			Kinds
Fresh water										
Coal	8 5/8			X		590'	590'	Cement to Surface		Sizes
Intermediate	7					1825'	1825'	Cement 50'		
Production										Depths set
Tubing	4"					3600'	3600'			
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.)
 NAME: _____
 By MURKIN _____
 Its _____ Date _____

(For execution by natural persons)
Joelle Cooper _____ Date: _____
 (Signature)
Joelle Cooper _____ 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: June 07, 1985, 19____
2) Operator's Well No. Seven (7)
3) API Well No. 47
State _____ County _____ Permit _____

INFORMATION

WELL INFORMATION

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

WELL TYPE: A Oil _____ / Gas x _____
B (If "Gas", Production x _____ / Underground storage _____ / Deep _____ / Shallow x _____)
LOCATION: Elevation: 1082' Watershed: Stinson Creek
District: Jefferson County: Lincoln Quadrangle: Griffithsville

WELL OPERATOR R. H. ADKINS 7) DESIGNATED AGENT R. L. HOOSER
Address P. O. Box 555 Address P. O. Box 555
Hamlin, WV 25523 Hamlin, WV 25523

OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Jerry Holcomb Name RJR Drilling, Inc.
Address Rural Route # 1, Box # 28 Address P. O. Box 555
Hamlin, WV 25523 Hamlin, WV 25523

PROPOSED WELL WORK: Drill x _____ / Drill deeper _____ / Redrill _____ / Stimulate x _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____

GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
2) Estimated depth of completed well, 3,600' feet
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4) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No x _____

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		
Factor water	12				x	20	20		Kinds
mediate	8 5/8			x		590'	590'	Cement to Surface	Sizes
ction	7					1825'	1825'	Cement 50'	Depths set
g	4"					3600'	3600'		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

I, the undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has mined 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 West Virginia Code and the governing regulations.

By Jackie Cooper
Its _____



Rec. 663

IV-35
(Rev 8-81)

JAN 7 1986

State of West Virginia
Department of Mines
Oil and Gas Division

Date 12-30-85
Operator's
Well No. Robert Linville
Farm Jackie Cooper
API No. 47 - 043 - 2668

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 X / Underground Storage ___ / Deep ___ / Shallow XX /)

LOCATION: Elevation: 1082 Watershed Stinson Creek
District: Jefferson County Lincoln Quadrangle Griffithsville

COMPANY R.H. Adkins d/b/a Our Gas Company

ADDRESS P.O. Box 555 Hamlin W.V. 25523

DESIGNATED AGENT R.H. Adkins

ADDRESS P.O. Box 555 Hamlin, W.V. 25523

SURFACE OWNER Jackie Cooper

ADDRESS Spurlocksville W.V.

MINERAL RIGHTS OWNER Robert Linville Heirs

ADDRESS Spurlocksville W.V.

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Holcomb ADDRESS Hamlin W.V.

PERMIT ISSUED June 7, 1985

DRILLING COMMENCED July 18, 1985

DRILLING COMPLETED Aug 23, 1985

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.	20	20	
13-10"			
9 5/8			
8 5/8	630	630	surface
7	1798	1798	50 sacks
5 1/2			
4 1/2	2725	2725	95 sacks
3			
2	2528	2528	
Liners used			

GEOLOGICAL TARGET FORMATION Brown Shale Depth 3600 feet

Depth of completed well 4100 feet Rotary ___ / Cable Tools XXX

Water strata depth: Fresh 90 feet; Salt 1155 feet

Coal seam depths: 396-400 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Brown Shale Pay zone depth 4100 feet

Gas: Initial open flow none Mcf/d Oil: Initial open flow none Bbl/d

Final open flow show Mcf/d Final open flow none Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure ___ psig (surface measurement) after ___ hours shut in

(If applicable due to multiple completion--)

Second producing formation Berea ~~SAND~~ Sand Pay zone depth 2725 feet

Gas: Initial open flow Show Mcf/d Oil: Initial open flow none Bbl/d

Final open flow 40 Mcf/d Oil: Final open flow show Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 120 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

LIN 2668

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
well perforated from 2525 to 2538 with 13 holes
Well Fractured with 30,000 lbs. of 20/40 sand and 272 bbs. of water

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay			0	55	
sand			55	85	
slate			85	135	
sand			135	157	
slate			157	215	
sand			215	243	
slate			243	310	
sand			310	371	
slate			371	396	
sand			396	400	
slate			400	426	
sand			426	470	
slate			470	566	
sand			566	616	
slate			616	640	
sand			640	672	
slate			672	719	
sand			719	755	
slate			755	840	
sand			840	864	
slate & shells			864	958	Water 948
sand			958	1035	
slate			1035	1066	
salt & sand			1066	1597	Water 1155
slate			1597	1606	
sand			1606	1617	
sand slate			1617	1623	
sand			1623	1758	
slate			1758	1767	
little lime			1767	1787	
pincol cave			1787	1789	
big lime			1789	2027	
red injun			2027	2047	show gas
gray injun			2047	2065	
slate			2065	2178	
shale			2178	2190	
slate			2190	2490	
coffee shale			2490	2511	

(Attach separate sheets as necessary)

R.H. Adkins d/b/a Our Gas Company
Well Operator

By: R. H. Adkins

Date: 1-3-86

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."

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

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Berea sand			2511	2541	
slate & shells			2541	2570	
packer shale			2570	2615	
slate & shell shale			2615	3324	
black shale			3324	3336	
slate & shell			3336	3690	gas 5/10ths 1"
brown shale			3690	3995	
white			3995	4100	
TOTAL DEPTH				4100	

LIN 2668

(Attach separate sheets as necessary)

R.H. Adkins d/b/a Our Gas Company
Well Operator

By: R. H. Adkins

Date: 1-3-86

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."

INSPECTOR'S PERMIT SUMMARY FORM

7-9-85

WELL TYPE GAS
ELEVATION 1082
DISTRICT JEFFERSON
QUADRANGLE GRIFFITSVILLE
COUNTY LINCOLN

API# 47-043-2668
OPERATOR R.H. ADKINS
TELEPHONE _____
FARM LINVILLE
WELL # 7

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____

TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____

LOCATION _____ NOTIFIED _____ DRILLING COMMENCED 7-18-85

WATER DEPTHS _____, _____, SALT WATER 948'

COAL DEPTHS 394 - 400, _____, _____

CASING

Ran 625' feet of 8 5/8" pipe on 7-27-85 with TO Surface fill up

Ran _____ feet of _____" pipe on _____ with _____ fill up

Ran _____ feet of _____" pipe on _____ with _____ fill up

Ran _____ feet of _____" pipe on _____ with _____ fill up

TD _____ feet on _____

PLUGGING

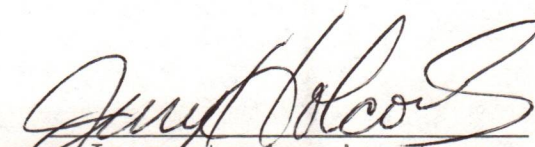
Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-2-86


Inspector's signature

API# 47 _____ - _____

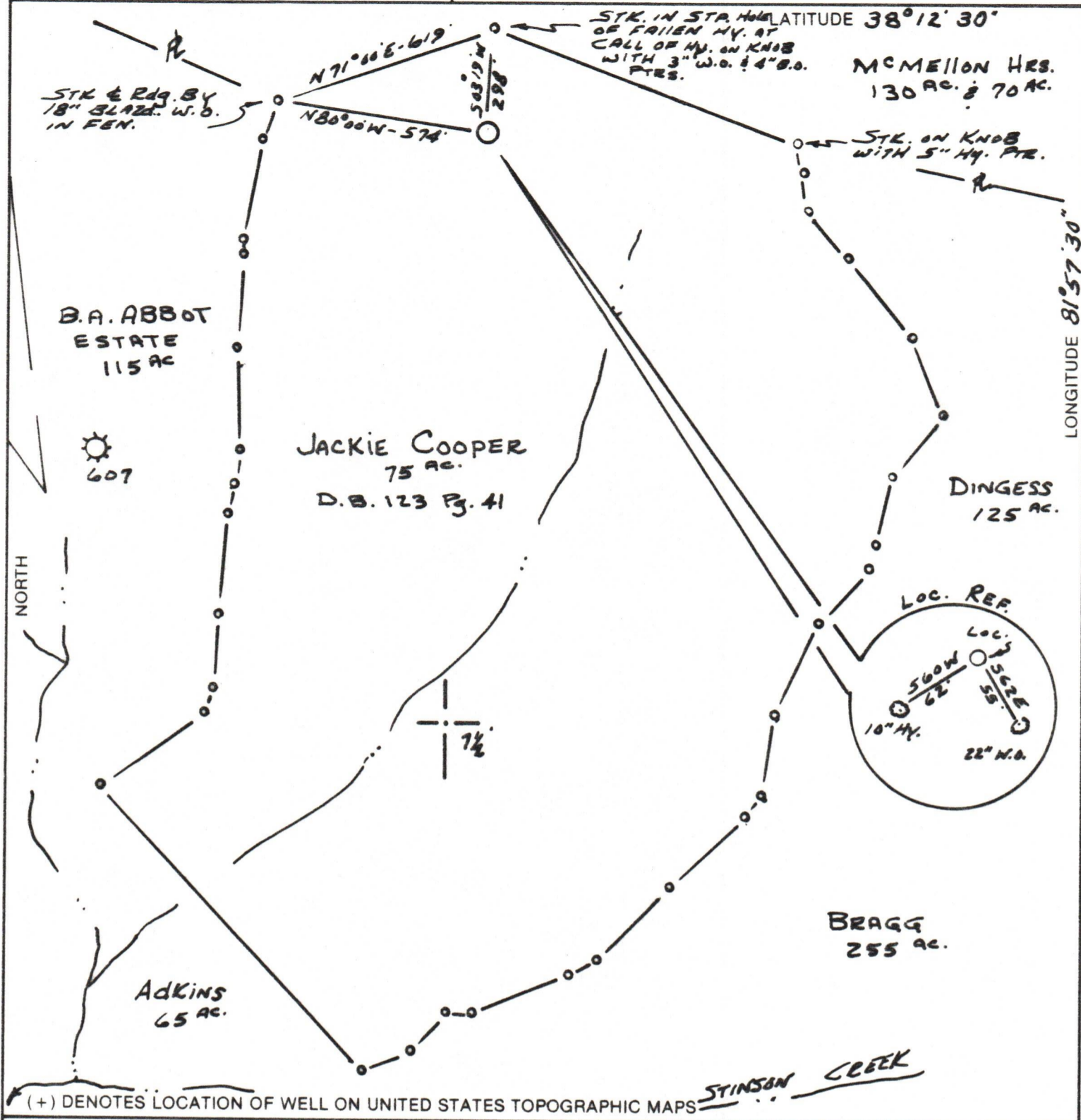
LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

22N 7-9-85

9325'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS. 1205' KN08
3100' ± EAST OF LOC.

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) Paul E. Miller
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 1, 19 85
 OPERATOR'S WELL NO. 1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1082' WATER SHED STINSON CREEK
 DISTRICT JEFFERSON COUNTY Lincoln
 QUADRANGLE GRIFFITHSVILLE

SURFACE OWNER JACKIE COOPER ACREAGE 75 ac.
 OIL & GAS ROYALTY OWNER ROBERT LINVILLE HRS. LEASE ACREAGE 75 ac.
 LEASE NO. _____

PROPOSED WORK: DRILL 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 SHALE ESTIMATED DEPTH 3600'
 WELL OPERATOR R.H. Adkins DESIGNATED AGENT SAME
 ADDRESS Box 102 Hamlin, W.V. 25523 ADDRESS _____

LONGITUDE 81°57'30"

COUNTY NAME PERMIT

FORM IV-6 (8-78) H.T. HALL

Linville

This Agreement, Made and entered into the 26th day of OCTOBER A. D., 1984, by and between

ROBERT LINVILLE, JR. AND ROSALEE LINVILLE, his wife

part 1c of the first part, hereinafter called the Lessor, and R. H. ADKINS, party of the second part, hereinafter called the Lessee;

WITNESSETH: That the said Lessor, in consideration of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and of the covenants hereinafter contained on the part of the said Lessee to be paid, kept and performed, does grant, demise, lease and let, with covenants of quiet possession and sole right so to grant and demise, unto the said Lessee that certain tract of land (herein referred to as the leased premises) situate in JEFFERSON

District, LINCOLN County, and State of West Virginia, on the waters of STINSON CREEK, bounded substantially as follows:

- On the North by lands of Allen Abbott, W. H. McMellon, etal
- On the East by lands of Trinnie D. Bias, J. W. Spears, John Linville, etal
- On the South by lands of Louisa Abbott, etal
- On the West by lands of Grant Lovejoy, Asa Linville, Mollie Abbott, etal.

RECEIVED JUL 8 1985

OIL & GAS DIVISION DEPT. OF MINES

containing two tracts of 100 acres each for a total of two hundred acres, more or less; solely for the purposes of: Searching for, exploring, drilling and operating for and marketing oil and gas and all products produced therewith or which may be derived therefrom; storing gas of any kind, regardless of the source thereof, in the oil and gas strata including the injecting of gas therein and removing the same therefrom; protecting stored gas; conducting geological and geophysical surveys and explorations; pooling or unitizing the leased premises or part thereof with other lands to form operating units for any or all of the purposes of this agreement; laying pipelines, building tanks, stations, telephone and electric power lines, radio towers, houses for gates, meters and regulators, drips, dehydration units, cathodic protection devices and all other appliances and structures, whether of a like or different nature than those enumerated, with all other rights and privileges necessary, incidental or convenient for the operation or use of this land or any part thereof separately or conjointly with neighboring lands, for any or all of the aforesaid purposes.

IN CONSIDERATION OF THE PREMISES, the parties hereto covenant and agree that:

FIRST: This lease is for a term of 10 years, commencing above date and for as long thereafter as the leased premises or other lands with which the leased premises or part thereof is pooled or unitized are operated in the search for or production of oil or gas, or as long as the same is used for underground storage of gas and the removal thereof, either through the operation of a well or wells on the above described tract of land or on tracts in the same storage field, or as long as said land is used for the protection of stored gas, alone or in conjunction with other lands, all with an extended term by payment of rentals as hereinafter set forth. It is expressly understood and agreed that the Lessee shall be the sole judge as to whether gas is being stored in said land, held in storage therein, or whether said land is being used for the protection of stored gas, and Lessee's determination thereof shall be final and conclusive.

SECOND: (a) Lessee shall deliver to the credit of the Lessor, their heirs or assigns, free of cost, in the pipeline to which said Lessee may connect its wells, a royalty of their interest in the equal one-eighth (1/8) part of all oil produced and saved from the leased premises, less haulage expenses.

(b) Lessee shall pay a royalty for all gas, except stored gas and gas produced from the storage horizon or horizons, produced, saved and marketed from the leased premises equal to their interest in one eighth (1/8) of the wholesale market value thereof at the well based on the usual price paid therefor in the general locality of said leased premises, payable each three months. Royalty payments shall commence ninety (90) days after the completion of each well and shall constitute the entire consideration to Lessor for such gas including the gasoline and other content thereof. Lessor shall pay a proportionate part of all excise, depletion, privilege and production taxes levied, assessed or charged on oil or gas produced from said premises. In the event that Lessee does not market the gas from said premises, Lessee is to pay delay rental until such time as said gas is marketed. It is agreed, however, that gas produced from any well or wells may be taken by Lessee for fuel in its operation on and in the vicinity of said premises, free of charge, but if other use be made of the gas from any oil well or gasoline extracted therefrom, then Lessee shall pay at the rate of Twenty-five Dollars (\$25.00) annually for the gas from each oil well while so utilized.

(c) Lessee shall pay Two Hundred Dollars (\$200.00) per year in one installment, payable in advance for each well utilized or classified by the Lessee as a gas storage well, except that in the event said storage well payment is less than the Lessor would receive as rental under paragraph FOURTH hereof, then the Lessee shall pay to the Lessor the difference between the storage well payment and the said rental payment. Lessee shall have the right to install and maintain on said premises all necessary equipment and appliances to do any and all other things as may be reasonably necessary for the purpose of utilizing said premises for the

(d) No well shall be drilled by either party, except by mutual consent, within _____ feet of the dwelling house or barn now on said premises.

THIRD: The leased premises may be fully and freely used by the Lessor for farming purposes, excepting such parts as are used by the Lessee in operating hereunder.

FOURTH: The Lessee covenants and agrees to pay _____ a rental at the rate of five (\$5.00) dollars per acre per annum payable annually ~~quarterly~~ in advance, beginning above date _____

_____ until, but not after, a well yielding royalty to the Lessor is drilled or a storage well is completed under the terms hereof, or this lease is surrendered. Any rental paid for time beyond the date gas is first marketed or the date a storage well is completed shall be credited upon the first royalty for gas or the first payment for such storage well. Upon the drilling of a nonproductive well, the Lessee may continue to hold the leased premises for the further term of one (1) year after the completion of such nonproductive well, without rental, but if before the expiration of said year another well shall not be commenced or payment of rentals renewed at the rate above provided, or unless use of the leased premises for storage purposes as herein authorized shall have commenced, this lease shall terminate.

FIFTH: The Lessee is hereby given the right to convert any gas well heretofore or hereafter drilled upon the leased premises to a gas storage well and at the time of conversion to storage, if gas is still being produced therefrom, Lessee shall pay Lessor for the estimated recoverable gas remaining in the well. In arriving at the volume of said recoverable gas, the Lessee shall use such methods of calculating gas reserves as are generally accepted by the natural gas industry, and the Lessor shall be paid therefor at the rate prescribed in paragraph SECOND, subparagraph (b), hereof.

SIXTH: Lessee hereby is given the right at its option, at any time from the date hereof while this agreement shall be in effect and from time to time within such period, to pool all or any part or parts of the leased premises or rights therein with any other land in the vicinity thereof, or with any leasehold, operating or other rights or interests in such other land to create units of such size and surface acreage as Lessee may desire, but containing not more than 640 acres plus 10% acreage tolerance. If at any time larger units are required under any then applicable law, rule, regulation or order of any governmental authority for the drilling, completion, or operation of a well, any such unit may be established or enlarged to conform to the size specified. Each unit may be created by governmental authority or by a written declaration notice executed by Lessee and delivered to Lessor containing a description of the unit so created, specifying the mineral stratum or horizon so pooled, if so limited. Any well which is commenced, or is drilled or is producing on any part of any lands theretofore or thereafter so pooled shall, except for the payment of royalties, be considered a well commenced, drilled, and producing on the lands hereby leased. There shall be allocated to the portion of the leased premises included in any such pooling such proportion of the actual production from all lands so pooled as such portion of the leased premises, computed on an acreage basis, bears to the entire acreage of the lands so pooled. The production so allocated shall be considered for the purpose of payment or delivery of royalty to be the entire production from the portion of the leased premises included in such pooling in the same manner as though produced from such portion under the terms of this lease. Each of said options may be exercised by Lessee from time to time, and a unit may be formed either before or after a well has been drilled or production has been established on the leased premises or on a portion of the leased premises which is included in the pool or on other lands which are pooled therewith.

SEVENTH: It is agreed that said Lessee may drill or not drill on the leased premises as it may elect, and the consideration and rentals paid and to be paid constitute adequate compensation for such privilege.

EIGHTH: If the Lessor does not have title to all the oil and gas (and other minerals, including oil and gas, in the event the leased premises are utilized for underground storage of gas hereunder) under the leased premises, or if the acreage or area herein recited is in excess of the true quantity of land in the leased premises, Lessor agrees on demand to refund, as applicable, delay rentals and royalties or storage rentals paid and to release Lessee from the payment of future delay rentals, royalties, or storage rentals in proportion to the outstanding title or difference between the recited and true acreage. In case of the failure of Lessor to so refund, Lessee shall have and is here given the right to apply future delay rentals, royalties, or storage rentals on such overpayment until the amount thereof is paid, without in anywise affecting the validity of said lease. If the recited acreage or area be found to be less than the quantity of land in said premises, Lessee on demand made, shall pay up arrears or deficiency in rental payments on the basis of the excess of the true over the said recited acreage, and thereafter pay the rental under this lease on the basis of the true acreage.

NINTH: Lessor hereby warrants and agrees to defend the title to the property herein leased, and agrees that Lessee shall have the right at any time to redeem for Lessor by payment, any mortgages, taxes or other liens on the above-described lands, in the event of default of payment by Lessor, and be subrogated to the rights of the holder hereof; further agrees in case of notice of any adverse claim or suit filed affecting the title to the leased premises or affecting all or any part of the rentals or royalties hereunder, Lessee, in event suit is not then pending, may file same, and in either event hold the rentals and royalties until the ownership is determined by final decree of a court of competent jurisdiction without in anywise affecting its rights hereunder.

TENTH: All payments due hereunder may be made by cash or check to ROBERT LINVILLE, JR. or by deposit to his credit in the LINCOLN NATIONAL Bank of HAM LIND'S, or by check made payable to his order and mailed to his at RT. #1, Box 315 P.O. LINCOLN County, State of W.Va. who is hereby appointed Agent of the parties _____ of the first part for such purposes. In the event

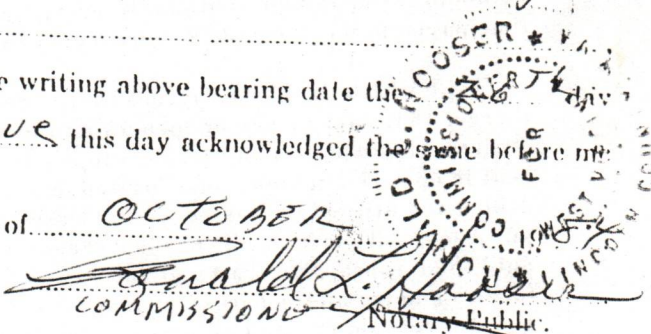
COUNTY OF LINCOLN, to-wit:

I, RONALD L. HOOSER, COMMISSIONER, a notary public of said county of LINCOLN, do certify that ROBERT LINVILLE, JR. AND ROSALEE LINVILLE, his wife

whose name SARA signed to the writing above bearing date the 26th day of OCTOBER, 1984, have this day acknowledged the same before me in my said county.

Given under my hand this 26th day of OCTOBER

My commission expires 3/02/86



STATE OF WEST VIRGINIA, Record 10-31-84

COUNTY OF LINCOLN, RECORDED IN Lease Book

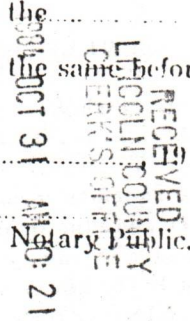
I, George Adams, No. 43 at Page 397, a notary public of said county of LINCOLN, do

certify that George Adams, Clerk

whose name Robert Skene signed to the writing above bearing date the 31st day of OCTOBER, 1984, have this day acknowledged the same before me in my said county.

Given under my hand this 31st day of OCTOBER

My commission expires 11-30-85



Lease No. _____
OIL AND GAS LEASE
From _____
To _____

Date	_____ 19__
Term of Years	_____
No. Acres	_____
On the Waters of	_____
District	_____
County	_____
State of West Virginia	_____
Received	_____ O'clock, _____ M.
at	_____
Recorded	_____ 19__
In	_____ County, W. Va.
Record of Leases, Vol	_____ Page _____
County Clerk	_____
Clerk's Fee	\$ _____
When Recorded Return To	_____
R. L. HOOSER	_____
P. O. Box 555	_____
Hamlin, West Va. 25523	_____

This Form
Copyrighted By _____

STATE OF WEST VIRGINIA,
COUNTY OF _____, to-wit:

I, _____, a notary public of said county of _____, do certify that _____

whose name _____ signed to the writing above bearing date the _____ day of _____, 19____, have this day acknowledged the same before me in my said county.

Lincoln County Court Clerk's Office 10-31-84 This instrument was this day presented to me at my _____ together with the Certificate of the _____, is admitted to record. Witness my hand and seal this _____ day of _____, 19____. Tested by _____ Clerk. By George Adams Deputy Notary Public.