

RECEIVED  
FIVE COPY

SEP 28 1984



1) Date: September 18, 1984  
 2) Operator's Well No. Schoolcraft #1011  
 3) API Well No. 47 - 013 - 3804  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  )
- 5) LOCATION: Elevation: 1164.75' / Watershed: Little Bear Fork LKS 8A  
 District: Sherman / County: Calhoun / Quadrangle: 7.5' Millstone
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. DESIGNATED AGENT Harry L. Berger, Jr.  
 Address 220 E. 42nd St. 33rd Floor / Address 710 Virginia St., E.  
New York, New York 10017 / Charleston, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Deo Mace  
 Address Rt. 1 Box 5  
Sandridge, W.V. 25274
- 9) DRILLING CONTRACTOR:  
 Name UNKNOWN AT THIS TIME  
 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, BROWN SHALE
- 12) Estimated depth of completed well, 5550 feet
- 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: 0 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									
Fresh water	9 5/8	LS	33#	X		450'	450'	To Surface	Kinds <u>NEAR</u>
Coal									Sizes
Intermediate	7"	J-55	20#	X		2350'	2350'	100 sks	Depths set <u>or as required by</u> <u>Perforation Rule 15.01</u>
Production	4 1/2	ERW	10.5#	X			5550'	250 sks	
Tubing									Top Bottom
Liners									

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-013-3804

October 10, 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 October 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>148</u>	Agent: <u>MW</u>	Plat: <u>MW</u>	Casing <u>MW</u>	Fee <u>7888</u>
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Margaret J. Hass  
 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  
05/17/2024

OFFICE USE ONLY

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

WELL OPERATOR: Stearns Drilling & Prod. Co., Inc.  
 ADDRESS: 220 E. 42nd St., 33rd Floor, New York, New York 10017  
 COUNTY: Westchester  
 LOCATION: Little Bear Fork  
 STATE: NY  
 PERMIT NO.: 07-013-3804  
 DATE: September 18, 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: \_\_\_\_\_



1) Date: SEPTEMBER 18, 1984  
 2) Operator's Well No. SCHOOLCRAFT # 1011  
 3) API Well No. 47 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 X  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X)
- 5) LOCATION: Elevation: 1164.75' Watershed: LITTLE BEAR FORK  
 District: SHERMAN County: CALHOUN Quadrangle: 7.6" MILLSTONE
- 6) WELL OPERATOR STERUNG DRILLING & PROD. CO., INC. 7) DESIGNATED AGENT HARRY L. BERGER, JR.  
 Address 220 E. 42nd ST. 33rd FLOOR Address 710 VIRGINIA ST., E.  
NEW YORK, NEW YORK 10017 CHARLESTON, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name DEO MACE Name UNKNOWN AT THIS TIME  
 Address RT. 1 BOX 5 Address \_\_\_\_\_  
SANDRIDGE, W.V. 25274
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, BROWN SHALE
- 12) Estimated depth of completed well, 5550 feet
- 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: 0 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									Kinds
Fresh water	<u>9 5/8"</u>	<u>LS</u>	<u>33#</u>	<u>X</u>		<u>450'</u>	<u>450'</u>	<u>TO SURFACE</u>	
Coal									Sizes
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>2350'</u>	<u>2350'</u>	<u>100 SKS</u>	
Production	<u>4 1/2"</u>	<u>ERW</u>	<u>10.5#</u>	<u>X</u>			<u>5550'</u>	<u>250 SKS</u>	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 \_\_\_\_\_

X Shondra Schoolcraft  
 (Signature) Date: 10-4-84

\_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

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

SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name WOODROW SCHOOLCRAFT  
Address RT. 1 BOX 14  
STUMPTOWN, W.V. 25282.  
\_\_\_\_\_  
\_\_\_\_\_  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

5(i) COAL OPERATOR UNOPERATED  
Address \_\_\_\_\_  
\_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD  
Name UNKNOWN  
Address \_\_\_\_\_  
\_\_\_\_\_  
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.

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.

truth of the information on the  
Application is verified  
sworn to and the Notice is  
signed on behalf of the Well Operator  
Kanawha County and State by  
Harry L. Berger, Jr.

WELL  
OPERATOR Sterling Drilling & Prod. Co., Inc.  
By Harry L. Berger  
Its Designated Agent  
Address 710 Virginia St., E.  
Charleston, W.V. 25301  
Telephone 342 - 0121

18 day of September, 1984  
Commission expires May 10, 1989  
David M. Gillespie  
Notary Public, Kanawha County,  
State of West Virginia

05/17/2024

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>
J.W. Schoolcraft Rt. 1 Box 14 Stumptown, W.V. 25282 Leon Powell	Sterling Drilling and Production Co., Inc.	1/8	20/378



IV-9  
(Rev 8-81)

DATE 9-15-84  
WELL NO. Schoolcraft #1011  
API NO. 47 - 013 - 3804

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. CODESIGNATED AGENT Sterling Drilling & Prod.  
Address 360 Madison Ave.-NY, NY 10017 Address c/o H.L.Berger - Chas., WV  
Telephone (212) 682-0204 Telephone (304) 342-0121  
LANDOWNER ~~Leath Davis~~ Woodrow Schoolcraft SOIL CONS. DISTRICT Little Kanawha SCD  
Revegetation to be carried out by Sterling Drilling & Prod. Co.-H.L.Berger (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 9/20/84 (Date)  
Ronald L. Peterson (SCD Agent)

ACCESS ROAD

LOCATION

Structure \_\_\_\_\_ (A)  
Size \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
Structure Drainage Ditches (B)  
Location Roadside  
Page Ref. Manual 2-12  
Structure Cross Drains - pipe (C)  
Spacing 200' for 11-15%  
Page Ref. Manual 2-9 Table 4

Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual 2-12  
Structure Rip-Rap (2)  
Material Rock  
Page Ref. Manual 2-9  
Structure \_\_\_\_\_ (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

Treatment Area II

Lime 2 Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay or Straw 2 Tons/acre  
Seed\* Ky-31 40 lbs/acre  
Ladino Clover 4 lbs/acre  
\_\_\_\_\_ lbs/acre

Lime 2 Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay or Straw 2 Tons/acre  
Seed\* Ky-31 40 lbs/acre  
Ladino Clover 4 lbs/acre  
\_\_\_\_\_ lbs/acre

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

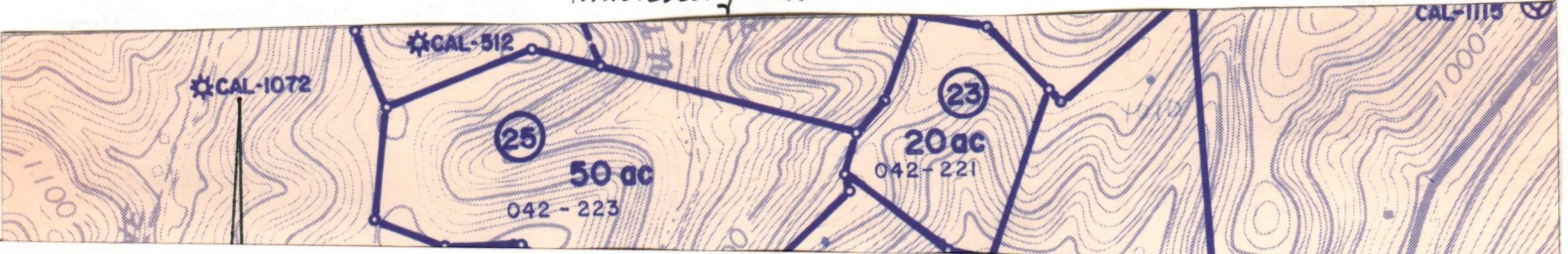
05/17/2024

PLAN PREPARED BY Richard X. Campbell  
ADDRESS Route 1, Box 30  
Duck, WV 25063  
PHONE NO. (304) 364-5780

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

RECEIVED  
OIL & GAS DIVISION  
DEPT. OF MINES  
SEP 22 1984

Well Site	⊕
Access Road	_____



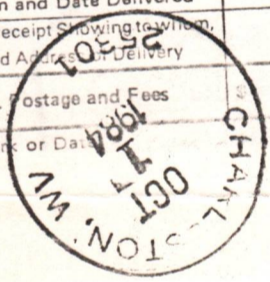
1011  
P 522 051 913

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE OR DAMAGE FEE NEEDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
WOODROW SCHOOLCRAFT	
Street and No.	
RT. 1 BOX 14	
P.O., State and ZIP Code	
STUMPTOWN, W. V. 25282	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	

PS Form 3800, Feb. 1982



RECEIVED

OCT 04 1984

OIL & GAS DIVISION  
DEPT. OF MINES

05/17/2024

new  
For K



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APR 22 1985



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia

Department of Mines Oil and Gas Division

Date April 18, 1985 Operator's Well No. 1011 Farm Schoolcraft API No. 47 - 013 - 3804

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

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 1164.75 Watershed Little Bear Fork District: Sherman 4 County Calhoun Quadrangle 7.5' Millstone 474

COMPANY Sterling Drilling & Production Co., Inc. 47550/148

ADDRESS 710 Va. St. E., Charleston, WV 25301

DESIGNATED AGENT Harry L. Berger, Jr.

ADDRESS 710 Va. St. E., Charleston, WV 25301

SURFACE OWNER Woodrow Schoolcraft

ADDRESS Rt.1 Bx.14, Stumptown, WV 25282

MINERAL RIGHTS OWNER J. W. Schoolcraft, et al

ADDRESS Rt.1 Bx.14, Stumptown, WV 25282

OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace Rt.1 Box 5

ADDRESS Sandridge, WV 25274

PERMIT ISSUED October 10, 1984

DRILLING COMMENCED November 4, 1984

DRILLING COMPLETED November 9, 1984

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

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5550' feet

Depth of completed well 5370' 25 feet Rotary X / Cable Tools

Water strata depth: Fresh not reported feet; Salt not reported feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale 400 Pay zone depth 3007'-5235' feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d

Final open flow 395 Mcf/d Final open flow show Bbl/d

Time of open flow between initial and final tests 39 hours

Static rock pressure 725 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



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APR 23 1923

DEPT. OF MINES  
OIL & GAS DIVISION

05/17/2024

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

Perforations

1st Stage: 27 holes 4634'-5235'  
 2nd Stage: 27 holes 3924'-4534'  
 3rd Stage: 20 holes 3007'-3746'

Treatment

1st Stage: 850 gals. 15% HCl; 972 MSCF N<sub>2</sub>  
 2nd Stage: 900 gals. 15% HCl; 1178 MSCF N<sub>2</sub>  
 3rd Stage: 850 gals. 15% HCl; 1500 MSCF N<sub>2</sub>

WELL LOG  
# 1011

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas	
Sandstone and Shale			0	1795	All depths from 10'KB	
Salt Sand			1795	1847		
Silty Shale			1847	1894		
Salt Sand			1894	1936		
Shale			1936	1998		
Maxon			1998	2011		
Shale			2011	2032		
Little Lime			2032	2079		
Pencil Cave			2079	2083		
Big Lime			2083	2228		
Big Injun			2228	2244		
Silty Shale			2244	2528		
Sunbury Shale			2528	2549		
Siltstone and Shale			2549	3070		
Shale			3070	4978		
Siltstone and Shale			4978	5099		Top of Java formation @ 4805'
Shale			5099	5196		Top of Angola Shale @ 5036'
Siltstone			5196	5252		
Shale			5252	5370		
Total Depth				5370		Top of Rhinestreet Shale @ 5333'

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc. 05/17/2024  
Well Operator

By: Harry J. Berger, Jr  
Date: 4-19-85

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."

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

RECEIVED

NOV 14 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 13-3804

Oil or Gas Well  
(KIND)

Company Sterling

Address \_\_\_\_\_

Farm Schoolcraft

Well No. 1011

District Shuman County Cal

Drilling commenced 11-4-84

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 \_\_\_\_\_ 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 3/8			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 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Hunt 1

Remarks:  
 460' of 9 5/8" casing, 250 sacks cement, Dawell, 11-5-84  
 lost circulation while drilling at 128'.  
 run baskets at 84, 294, & 378'  
 filled from top with 30 sacks cement.

11-5-84  
DATE

W. M. ... 05117/2024  
DISTRICT WELL INSPECTOR



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

RECEIVED

NOV 14 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 13-3804

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Sterling

Address \_\_\_\_\_

Farm Schoolcraft

Well No. 1011

District Sherman County Cal

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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			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 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Hunt 1

Remarks: 1830' & dully

11-6-84

DATE

D. M. Moore 05/17/2024

DISTRICT WELL INSPECTOR



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

RECEIVED  
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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES  
Oil or Gas Well  
(KIND)

Permit No. 13.3804

Company Sterling  
 Address \_\_\_\_\_  
 Farm Schoolcraft  
 Well No. 1011  
 District Shenandoah County Cul  
 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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			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 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Hunt 1

Remarks:

2358' 7" casing, 175 lbs cement  
Dowell 11-7-84

11-7-84  
DATE

W. C. [Signature] 05/17/2024





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OFFICE OF OIL AND GAS  
CHARLESTON 25305  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

RECEIVED  
JUN 19 1985

OIL & GAS DIVISION  
DEPT. OF MINES

Company: STERLING DRILLING  
Operator: SCHOOLCRAFT, WOODROW

Well: 1011

Permit No. 47-13-3804 (10-10-84)  
County: CALHOUN

Rule	Description	In Compliance	
		Yes	No
3.06	Notification prior to starting work	-----	-----
5.04	Prepared before drilling to prevent waste	-----	-----
5.03	High pressure drilling	-----	-----
6.01	Required permits at wellsite	-----	-----
5.03	Adequate Fresh Water Casings	-----	-----
5.02	Adequate Coal Casings	-----	-----
5.01	Adequate Production Casings	-----	-----
5.04	Adequate Cement Strength	-----	-----
5.05	Cement Type	-----	-----
3.02	Maintained Access Roads	-----	-----
5.01	Necessary Equipment to Prevent Waste	-----	-----
3.04	Reclaimed Drilling Pits	-----	-----
3.05	No Surface or Underground Pollution	-----	-----
3.07	Requirements for Production & Gathering Pipelines	-----	-----
6.01	Well Records on Site	-----	-----
2	Well Records Filed	-----	-----
7.05	Identification Markings	-----	-----

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

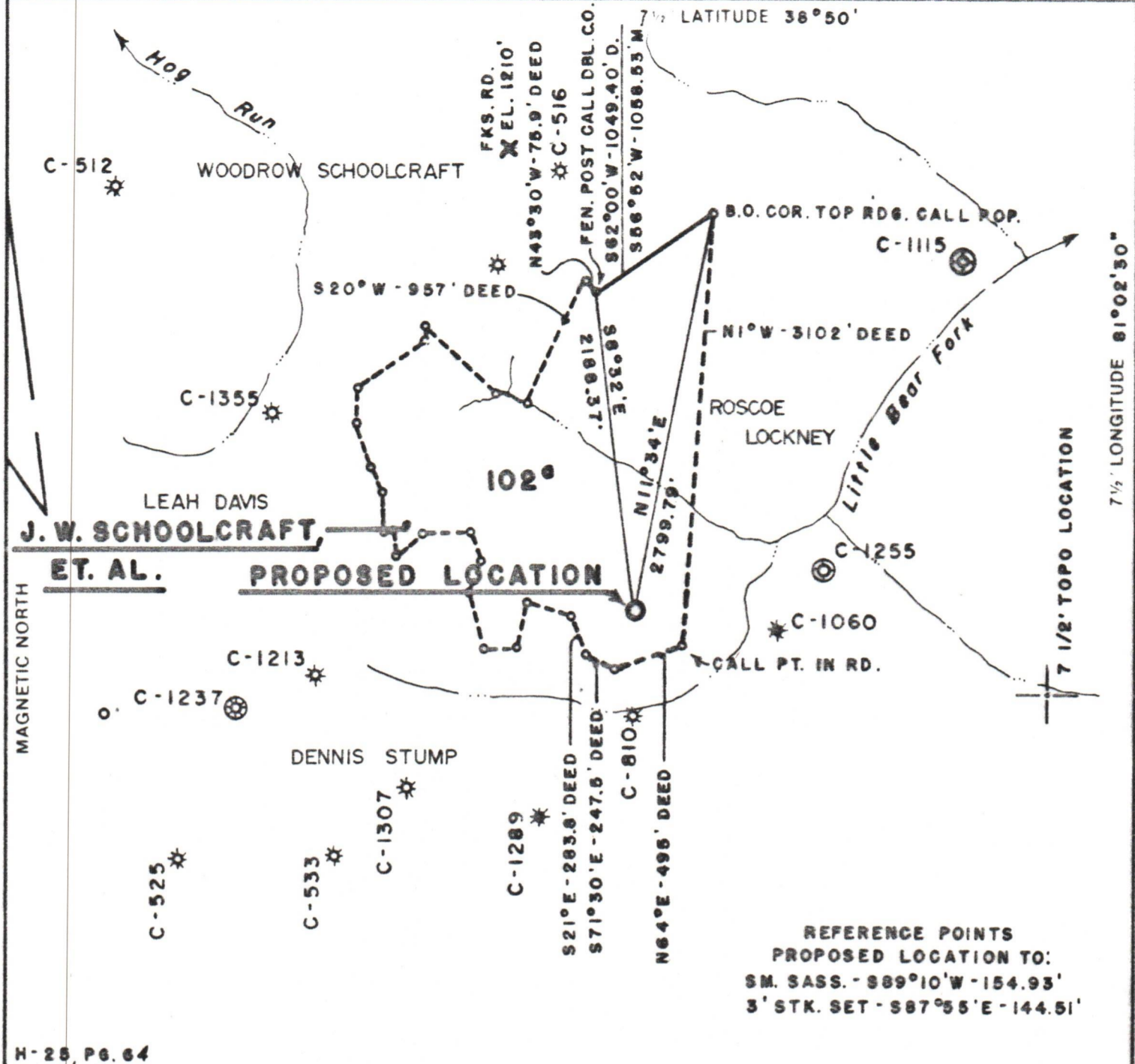
SIGNED D.W. Mace  
DATE 6-13-85

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

T.H. B.  
Administrator

June 27, 1985  
Date

1774 10 11/84

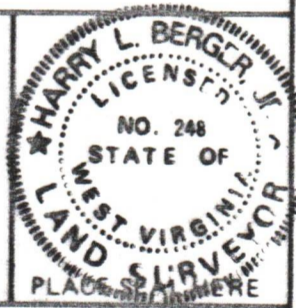


REFERENCE POINTS  
 PROPOSED LOCATION TO:  
 SM. SASS. - 889°10'W - 154.93'  
 3' STK. SET - 887°55'E - 144.51'

H-25, Pg. 64

FILE NO 044-012  
 MAP NO 58-D  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION U.S.G.S. DATA FKS. RD. SHOWN EL. 1210'

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) Harry L. Berger, Jr.  
 HARRY L. BERGER, JR. L.L.S. 248



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



DATE JULY 11, 1984  
 OPERATOR'S WELL NO. 1011  
 API WELL NO. 47-013-3804  
 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 1164.75' WATER SHED LITTLE BEAR FORK  
 DISTRICT SHERMAN COUNTY CALHOUN  
 QUADRANGLE 7 1/2' MILLSTONE (ARNOLDSBURG S.W.)  
 SURFACE OWNER LEAH DAVIS WOODROW SCHOOLCRAFT ACREAGE 102  
 OIL & GAS ROYALTY OWNER J. W. SCHOOLCRAFT, ET. AL. LEASE ACREAGE 102  
 LEASE NO. 044-012  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_

05/17/2024

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION BROWN SHALE ESTIMATED DEPTH 5550'  
 OPERATOR STERLING DRILLING & PRODUCTION CO. INC. AGENT HARRY L. BERGER  
 ADDRESS 360 MADISON AVE. - 5TH FLOOR ADDRESS 710 VIRGINIA ST. E.  
NEW YORK, N.Y. 10017 CHARLESTON, WV 25301

DEPT. OF MINE  
CITY & DISTRICT

05/17/2024

1011  
P 522 051 913

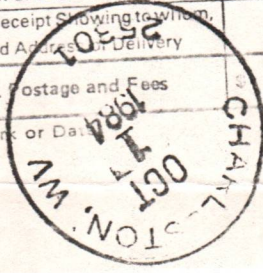
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE OR DAMAGE PROTECTION  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to WOODROW SCHOOLCRAFT	
Street and No. RT. 1 BOX 14	
P.O., State and ZIP Code STUMPTOWN, W. V. 25282	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	

PS Form 3800, Feb. 1982



RECEIVED

OCT 04 1984

OIL & GAS DIVISION  
DEPT. OF MINES



IV-9  
(Rev 8-81)

DATE 9-15-84

WELL NO. Schoolcraft #1011

### State of West Virginia

API NO. 47 - 013 - 3804

Department of Mines  
Oil and Gas Division

#### CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. CODESIGNATED AGENT Sterling Drilling & Prod.

Address 360 Madison Ave.-NY,NY 10017 Address c/o H.L.Berger - Chas., WV

Telephone (212) 682-0204 Telephone (304) 342-0121

LANDOWNER ~~Leath Davis~~ Woodrow Schoolcraft SOIL CONS. DISTRICT Little Kanawha SCD

Revegetation to be carried out by Sterling Drilling & Prod. Co.-H.L.Berger (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 9/20/84

(Date)

Ronald L. Peterson  
(SCD Agent)

#### ACCESS ROAD

#### LOCATION

Structure \_\_\_\_\_ (A)

Structure Diversion Ditch (1)

Size \_\_\_\_\_

Material Earth

Page Ref. Manual \_\_\_\_\_

Page Ref. Manual 2-12

Structure Drainage Ditches (B)

Structure Rip-Rap (2)

Location Roadside

Material Rock

Page Ref. Manual 2-12

Page Ref. Manual 2-9

Structure Cross Drains .. pipe (C)

Structure \_\_\_\_\_ (3)

Spacing 200' for 11.5%

Material \_\_\_\_\_

Page Ref. Manual 2-9 Table 4

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.

RECEIVED  
SEPT 22 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

#### REVEGETATION

##### Treatment Area I

##### Treatment Area II

Lime 2 Tons/acre  
or correct to pH 6.5

Lime 2 Tons/acre  
or correct to pH 6.5

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Mulch Hay or Straw 2 Tons/acre

Seed\* Ky-31 40 lbs/acre

Seed\* Ky-31 40 lbs/acre

Ladino Clover 4 lbs/acre

Ladino Clover 4 lbs/acre

lbs/acre

lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. 05/17/2024

PLAN PREPARED BY Richard X. Campbell

ADDRESS Route 1, Box 30

Duck, WV 25063


PHONE NO. (304) 364-5780

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

IV-9 REVERSE  
(REV 8-81)

INVOLVED TOTOGRAPHIC MAP  
QUADRANGLE 7 1/2' Millstone  
Arnoldsburg S.W.

LEGEND

Well Site   
Access Road 