



1) Date: September 10, 1984
 2) Operator's Well No. Morris #1006
 3) API Well No. 47 - 013 - 3798
 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: 903.1' Watershed: Hog Run of Sycamore Creek LKSID
 District: Sherman County: Calhoun Quadrangle: 7.5' Millstone
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. DESIGNATED AGENT Harry L. Berger
 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 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, 5300 feet
- 13) Approximate trata depths: Fresh, ~100' feet; salt, _____ feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ No X
- 15) CASING AND TUBING PROGRAM

RECEIVED
 SEP 13 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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		200'	200'	To Surface	Kinds <u>NEAT</u>
Coal									Sizes _____
Intermediate	7"	J-55	20#	X		2100'	2100'	100 sks	Depths set _____
Production	4 1/2	ERW	10.5#	X			5300'	250 sks	Perforations: <u>or as required by rule 15.01</u>
Tubing									Top _____ Bottom _____
Liners									

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3798 Date October 10, 1984

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.

BOOKET <u>148</u>	Agent: <u>LA</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>7798</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.



OFFICE USE ONLY

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

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SEP 13 1984

DEPT. OF MINES
OIL & GAS DIVISION

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	October 10, 1984	
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____
Reason: _____

10/06/2023

1) Date: September 10, 1984
2) Operator's Well No. 1006
3) API Well No. 47-013-3798
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 Ralph Mace
Address Rt. 1 Box 65
Sandridge, W.V. 25274
(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.

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SEP 13 1984
OIL & GAS DIVISION
DEPT. OF MINES

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 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

this 10 day of SEPTEMBER, 1984.
My commission expires MAY 10, 1989.
David M. Gillespie
Notary Public, Kanawha County,
State of West Virginia

10/06/2023

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>
Carl Morris P.O. Box 238 Grantsville, W.V. 26147	Sterling Drilling and Production Co., Inc.	1/8	26/35



IV-9
(Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Division

DATE 8-18-84
WELL NO. Morris # 1006
API NO. 47 - 013 - 3798

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 Ralph Mace

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: 8/31/84 (Date)

FR

Randall L. Atkins
(SCD Agent)



SEP 13 1984

LOCATION OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD

Structure Culvert (A)

Size 16"

Page Ref. Manual 2-8 Table 3

Structure Drainage Ditches (B)

Location Roadside

Page Ref. Manual 2-12

Structure Cross Drains -- Pipe (C)

Spacing 200' for 11-15% -- 400' for 2-5%

Page Ref. Manual 2-8 Table 4

Structure Diversion Ditch (1)

Material Earth

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

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

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

*Inoculate all legumes such as vetch, trefoil and clovers with the proper 10/06/2023 Inoculate with 3X recommended amount.

PLAN PREPARED BY Richard A. 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 6-81)

INVOLVED TOPOGRAPHIC MAP
QUADRANGLE 7 1/2' Millstone
Arnoldsburg SE

LEGEND

Well Site	⊕
Access Road	—



RECEIVED
MAY 1 1984
DEPT. OF MINES

10/06/2023

IV-35
(Rev 8-81)



RECEIVED
APR 19 1985

State of West Virginia

Department of Mines
Oil and Gas Division

Date April 17, 1985
Operator's _____
Well No. 1006
Farm Morris
API No. 47 - 013 - 3798

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 903.1 Watershed Hog Run of Sycamore Creek
District: Sherman County Calhoun Quadrangle 7.5' Millstone

COMPANY Sterling Drilling & Production Co., Inc.

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

DESIGNATED AGENT Harry L. Berger, Jr.

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

SURFACE OWNER Ralph Mace

ADDRESS Rt.1 Bx 65, Sandridge, WV 25274

MINERAL RIGHTS OWNER Carl Morris

ADDRESS P.O. Bx. 238, Grantsville, WV 26147

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

ADDRESS Sandridge, WV 25274

PERMIT ISSUED Oct. 10, 1984

DRILLING COMMENCED Nov. 26, 1984

DRILLING COMPLETED Dec. 2, 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"			
9 5/8	335'	335'	130 sks.
8 5/8			
7	2137'	2137'	175 sks.
5 1/2			
4 1/2		5353'	290 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5300' feet

Depth of completed well 5376' KB 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 Pay zone depth 3545'-5057' feet

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

Final open flow 625 Mcf/d Final open flow 50 Bbl/d

Time of open flow between initial and final tests 30 hours

Static rock pressure 775 psig (surface measurement) after 72 ~~10/06/2023~~ hours 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)

CAL 3798

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

RECEIVED
DEC 4 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 13-3798

Oil or Gas Well _____
(KIND)

Company Sterling

Address _____

Farm Morris

Well No. 1006

District Shannon County Cal.

Drilling commenced 11.26.84

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 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:
335' of 9 5/8" casing, 130 SKS, Dowell, 11-26-84
Cement circulated

11.26.84
DATE

W. S. Mason 10/06/2023
DISTRICT WELL INSPECTOR

THE WELL COMPLETION REPORT FOR 13-3798 WAS
RECEIVED ON 4/19/85 AND ~~RETURNED ON~~

~~REASON~~ req. O-G ratio report on 4/22/85

Second request 9/10/85

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

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 14 1986

INSPECTOR'S WELL REPORT

Permit No. 13-3798 (10-10-84)

Oil or Gas Well _____
(KIND)

Company <u>Sterling</u> Address _____ Farm <u>Morris</u> Well No. <u>1006</u> District <u>Sherman</u> County <u>Cal.</u> 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 5/8			
	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		_____ FEET _____ INCHES _____ FEET _____ INCHES		

Drillers' Names _____

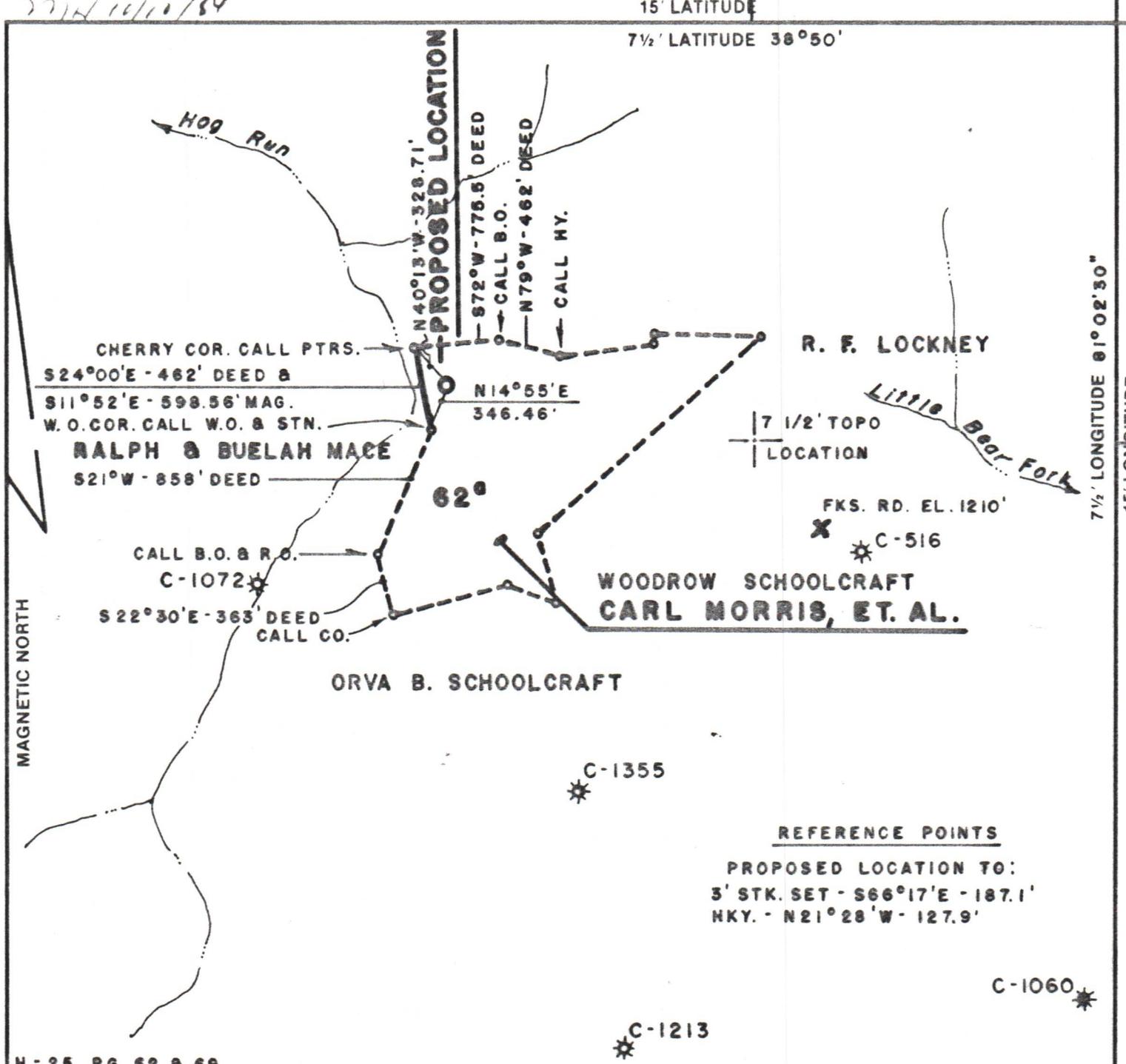
Remarks:

Release

1-9-86
DATE

D. W. Morris
DISTRICT WELL INSPECTOR

10/06/2023



H-25, PG. 62 & 69

FILE NO. 044-020
 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)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JULY 16, 1984
 OPERATOR'S WELL NO. 1006
 API WELL NO. 47-013-3798
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 903.1' WATER SHED HOG RUN OF SYCAMORE CREEK
 DISTRICT SHERMAN COUNTY CALHOUN
 QUADRANGLE 7 1/2' MILLSTONE ARNOLDSBURG S.E.
 SURFACE OWNER RALPH MACE ACREAGE 60.58
 OIL & GAS ROYALTY OWNER CARL MORRIS, ET. AL. LEASE ACREAGE 62 LEASE NO. 044-020

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 BROWN SHALE ESTIMATED DEPTH 5300'
 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

1006
P 522 051 905

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982

Sent to	RALPH MACE
Street and No.	RT. 1 BOX 65
P.O., State and ZIP Code	GANDRIDGE, W. V. 25274
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	X
Return Receipt Showing Date, and Address of Delivery	
TOTAL Postage and Fees	4.26 x 89
Postmark or Date	SEP 13 1984

RECEIVED

SEP 13 1984

OIL & GAS DIVISION
DEPT. OF MINES



IV-9
(Rev 8-81)



DATE 8-18-84

WELL NO. Morris # 1006

State of West Virginia

API NO. 47 - 013 - 3798

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 Ralph Mace

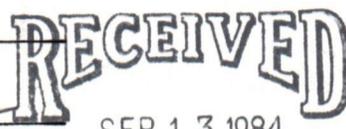
SOIL CONS. DISTRICT Little Kanawha SCD

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: 8/31/84 (Date)

FR

Randall H. Atkins
(SCD Agent)



ACCESS ROAD

LOCATION OIL & GAS DIVISION
DEPT. OF MINES

Structure Culvert (A)

Structure Diversion Ditch (1)

Size 16"

Material Earthen

Page Ref. Manual 2-8 Table 3

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 11-15% -- 400' for 2-5%

Material _____

Page Ref. Manual 2-8 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.

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

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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.

10/06/2023

PLAN PREPARED BY Richard A. Campbell

ADDRESS Route 1, Box 30

Duck, WV 25063

PHONE NO. (304) 364-5780

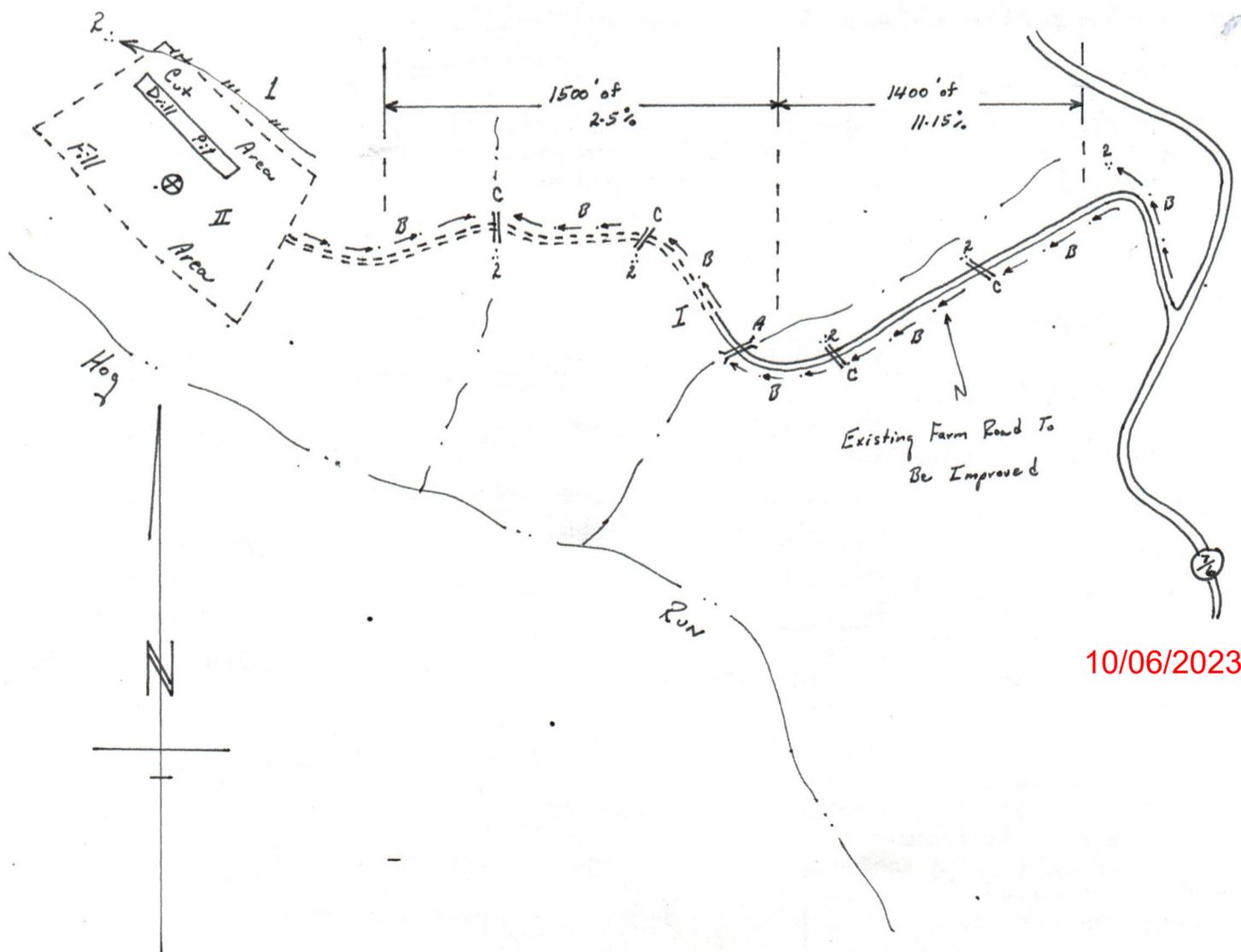
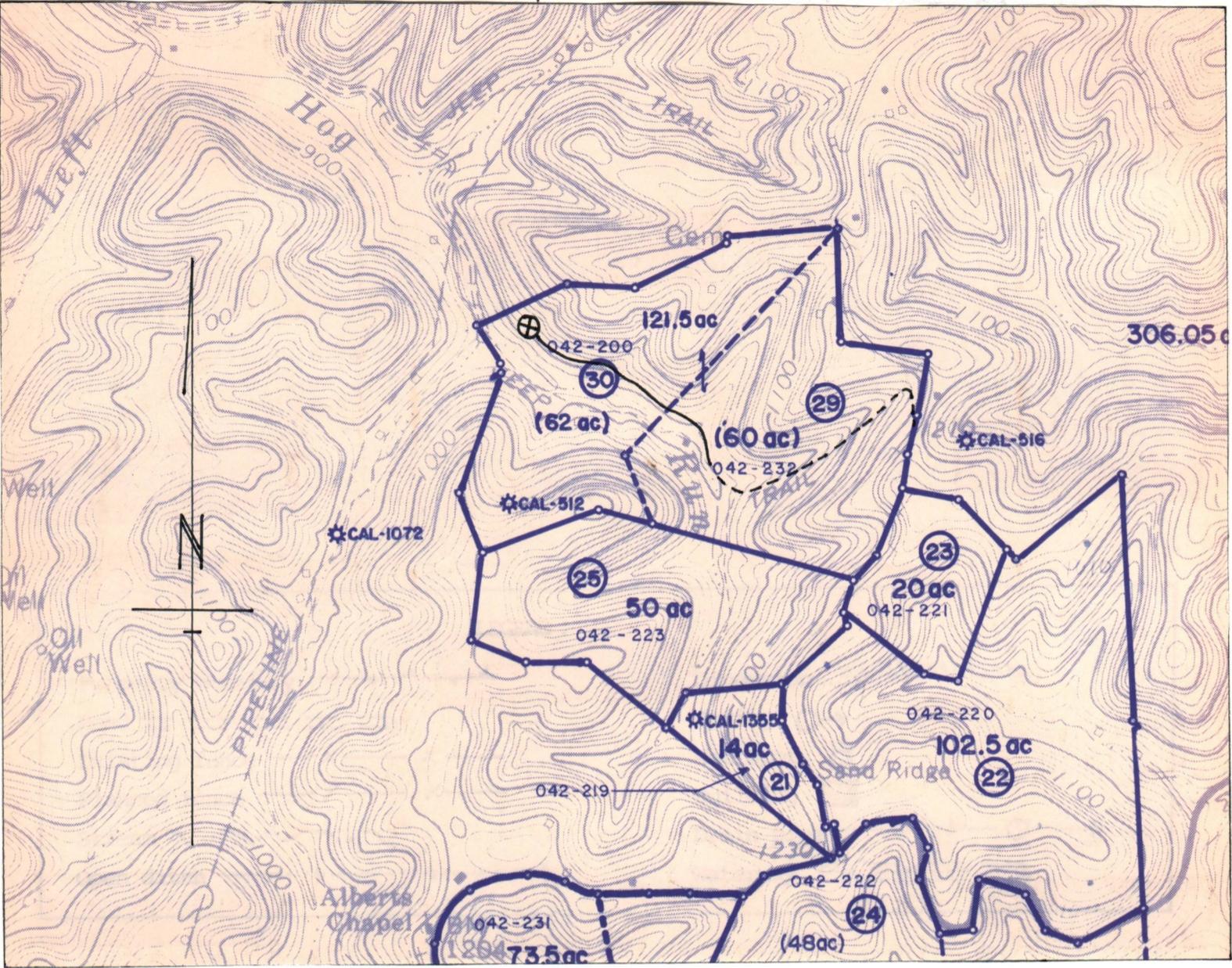
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

IV-9 REVERSE
(REV 8-81)

INVOLVED TOPOGRAPHIC MAP
QUADRANGLE 7 1/2' Millstone
Arnoldsburg SE

LEGEND

Well Site 
Access Road 



10/06/2023