



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

APR 29 1981

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

SUTTLE #454

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE December 9, 1980

Surface Owner Danny Sett

Company Sterling Drilling and Production Co., I

Address Spencer, W.V.

Address Suite 3800 622 3rd Ave. N.Y., N.Y. 10017

Mineral Owner Clennie Suttle

Farm SUTTLE Acres 24

Address 824 Char Rd. Spencer, W.V. 25276

Location (waters) Hayes Run

Coal Owner Unknown - Unoperated

Well No. 454 m Elevation 1031.2

Address _____

District Smithfield County Roane

Coal Operator _____

Quadrangle Otter 15'

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for Drilling. This permit shall expire if operations have not commenced by 12-31-81.

INSPECTOR

TO BE NOTIFIED Richard Morris

ADDRESS P.O. Box 372 Grantsville, W.V.

PHONE 354 - 7259

J. E. Muzzy
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 19 19 80 by C. Suttle Sterling Drilling and Production Co., Inc. made to _____ and recorded on the 1st day of Dec. 19 80 in Roan County, Book 153 Page 740 Lease # 095 - 005

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Charles E. Moore
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Rt. 1 Box 30
Street
Duck
City or Town
West Virginia
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit, citing the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-087-3408

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by Charles E. Moore

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME FWA Drilling Co., Inc. NAME Charlie E. Moore
 ADDRESS Box 448 Elkview, W.V. 25071 ADDRESS Rt. 1 Box 30 Duck, W.V.
 TELEPHONE 965 - 3379 TELEPHONE 364 - 5780
 ESTIMATED DEPTH OF COMPLETED WELL: 1960' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Injun
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250'	250'	To Surface
7			
5 1/2			
4 1/2		1960'	100 sks <i>or thru the salt sand</i>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 0
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code. 09/15/2020

For Coal Company

Official Title

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Clint Hirt and Associates

Address P.O. Box 388

Elkview, West Virginia 25071

GEOLOGICAL TARGET FORMATION DEVONIAN SHALE

Estimated depth of completed well 4500' feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: 0
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling		
Conductor								Kinds
Fresh water	9 5/8	LS	33#	X		250'	250'	To Surface
Coal								Sizes
Intermed.	7"	J-55	20#	X		2200'	2200'	100 sks <i>CTS</i>
Production Tubing	4 1/2	ERW	10.5#	X			4500'	250 sks <i>or into 7"</i> Depths set
Liners								Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, 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.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for Drilling Renewed. This permit shall expire if operations have not commenced by 8-22-82.

J. E. Huggins
Deputy Director Oil & Gas Division

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 receipt thereof:

W A I V E R

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

Date: , 19 .

By:

Its:

09/15/2023

MARKET BOARD

file



Well No. 454
Farm SUTTLE
API # 47 - 087 - 3408 Ren.
Date December 5, 1981
Formerly 47 - 087 - 3408

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 1031.2 Watershed: Hayes Run
District: Smithfield County: Roane Quadrangle: Tarif 7.5'

STERLING DRILLING and PRODUCTION CO., INC.
WELL OPERATOR DESIGNATED AGENT Charlie E. Moore
Address 360 Madison Ave., Fifth Floor Address Rt. 1 Box 30
New York, New York 10017 Duck, West Virginia

OIL AND GAS ROYALTY OWNER Clennie Suttle COAL OPERATOR Unoperated
Address 824 Charleston Rd. Address _____
Spencer, W.V. 25276
Acreage 24

SURFACE OWNER Danny Jett COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Spencer, W.V. 25276 NAME Unknown
Acreage 24 Address _____
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____
COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Richard Morris
Address P.O. Box 372
Grantsville, W.V. 26147
Telephone 354 - 7259

RECEIVED
DEC 10 1981
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated June 19, 1980, to the undersigned well operator from Clennie Suttle.

(If said deed, lease, or other contract has been recorded:) LEASE # 095 - 005

Recorded on July 16, 1980, in the office of the Clerk of County Commission of Roane County, West Virginia, in 153 Book at page 740. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above 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 receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

09/15/2028

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

STERLING DRILLING and PRODUCTION CO., INC
Well Operator

By: Charlie E. Moore
Its: DESIGNATED AGENT

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNKNOWN AT THIS TIME
Address _____

GEOLOGICAL TARGET FORMATION, BROWN SHALE

Estimated depth of completed well, 4500 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft			For drilling	Left in well		Kinds	Sizes
Conductor										
Fresh Water	9 5/8	LS	33#	X		250'	250'	To Surface		
Coal										
Intermediate	7"	J-55	20#	X		2200'	2200'	100 sks		
Production	4 1/2	ERW	10.5#	X			4500'	250 sks	Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, 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.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR DRILLING. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 7/29/83.
BY [Signature]

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 receipt thereof.

WAIVER

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

09/15/2023

Date: _____, 19 _____

By _____
Its _____



Date: September 22, 19 82

Operator's Well No. Suttle #454 - Ren.

API Well No. 47 - 087 - 3408 - Ren.

State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION Formerly 47 - 087 - 3408

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1031.2' Watershed: Hayes Run
District: Smithfield County: Roane Quadrangle: 7.5' Tariff

WELL OPERATOR STERLING DRILLING and PRODUCTION CO., INC.
Address 360 Madison Ave., Fifth Floor
New York, New York 10017
DESIGNATED AGENT Harry L. Berger, Jr.
Address 710 Virginia St., E.
Charleston, W.V. 25301

OIL & GAS ROYALTY OWNER Clennie Suttle
Address 824 Charleston Rd.
Spencer, W.V. 25276

COAL OPERATOR Unoperated
Address

Acreage 24

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Danny Jett
Address Spencer, W.V. 25276
Acreage 24

Name Unknown
Address
Name NOV 18 1982

FIELD SALE (IF MADE) TO:
Address

Address OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Homer H. Dougherty
Address Linden Rt. Box 3 - A
Looneyville, W.V. 25259

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease other contract / dated June 19, 19 80, to the undersigned well operator from Clennie Suttle
(IF said deed, lease, or other contract has been recorded:) LEASE # 095 - 005
Recorded on July 16, 19 80, in the office of the Clerk of the County Commission of Roane County, West Va., in Lease Book 153 at page 740. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)
—planned as shown on the work order on the reverse side hereof.

The above 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.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

09/15/2023

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WVA 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

STERLING DRILLING and PRODUCTION CO., INC
Well Operator
By Harry L. Berger, Jr.
Its DESIGNATED AGENT



1) Date: November 8, 1983
 2) Operator's Well No. 454 - Ren.
 3) API Well No. 47 - 087 - 3408-Ren
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION Formerly 47 - 087 - 3408

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1031.20' Watershed: Hayes Run
 District: Smithfield County: Roane Quadrangle: 7.5' Tariff
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. DESIGNATED AGENT Harry L. Berger, Jr.
 Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.
New York, New York 10017 Charleston, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer H. Dougherty
 Address Linden Rt. Box 3 - A
Looneyville, W.V. 25301
- 9) DRILLING CONTRACTOR: Name UNKNWON 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, ~~XXXXX~~ 5275 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes / No /

RECEIVED
 NOV 10 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X		250'	250'	To Surface	by rule 15.05
Coal									Sizes
Intermediate	7"	J-55	20#	X		2200'	2200'	100 sks	or as required Depths set
Production	4 1/2	ERW	10.5#	X			5275'	250 sks	
Tubing									by rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-087-3408-Ren

November 29, 1983
 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 November 29, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>[Signature]</u>	Plat: <u>MM MM</u>	Casing	Fee
BLANKET BOND				<u>5838</u>

[Signature]
 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

RECEIVED
NOV 10 1983

DEPT. OF MINES
OIL & GAS DIVISION

Casing or tubing program	Casing or tubing size	Casing or tubing weight	Casing or tubing grade	Casing or tubing length	Casing or tubing joint	Casing or tubing type	Casing or tubing material	Casing or tubing manufacturer	Casing or tubing date	Casing or tubing location	Casing or tubing depth	Casing or tubing remarks	Geological target formation		
													Estimated depth of completed well	Approximate target depth	

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: _____

Agent	Plan	Casing	Fee

09/15/2023



1) Date: November 8, 19 83
 2) Operator's Well No. 454 - Ren.
 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

Formerly 47 - 087 - 3408

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1031.20' Watershed: Hayes Run
 District: Smithfield County: Roane Quadrangle: 7.5' Tariff
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. 7) DESIGNATED AGENT Harry L. Berger, Jr.
 Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.
New York, New York 10017 Charleston, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer H. Dougherty
 Address Linden Rt. Box 3 - A
Looneyville, W.V. 25301
- 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, XXXXX 5275 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>250'</u>	<u>250'</u>	<u>To Surface</u>	<u>by sub 1505</u>
Coal									Sizes
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>2200'</u>	<u>2200'</u>	<u>100 sks</u>	Depths set <u>by sub 1505</u>
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5#</u>	<u>X</u>			<u>5275'</u>	<u>280 sks</u>	
Tubing									Perforations:
Liners									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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

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

WAIVER

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

Date: _____, 19 _____

By: _____

Its: _____

09/15/2023
 Coal Owner

15A-20PE-180-

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 § 22-4-3a 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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (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>
Clennie Suttle 824 Charleston Rd. Spencer, W.V. 25276	Sterling Drilling & Prod. Co., Inc.	1/8	153/740

1) Date: November 8, 1983
2) Operator's Well No. 454 - Ren.
3) API Well No. 47-087-3408-Ren.
State County Permit

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

Formerly 47 - 087 - 3408

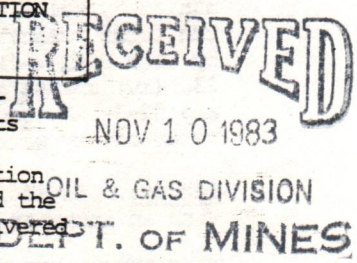
4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Danny Jett
Address Spencer, W.V. 25276
(ii) Name _____
Address _____
(iii) Name _____
Address _____

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.

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.
this 8 day of November, 1983.
My commission expires May 10, 1989.

David M. Killipie
Notary Public, Kanawha County,
State of West Virginia

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

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.

09/15/2023

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

Perforations: 1st stage: 16 holes from 4879' to 5241'.
 2nd stage: 25 holes from 4268' to 4734'.
 3rd stage: 28 holes from 3484' to 4137'.

Treatment: 1st stage: 1000 gals. of 15% HCL; 1,400 MSCF of N₂
 2nd stage: 1000 gals. of 15% HCL; 1,400 MSCF of N₂
 3rd stage: 1000 gals. of 15% HCL; 1,400 MSCF of N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh water and salt water, coal, oil and gas
					All measurements from 10'KB
Sandstone and Shale			0'	781'	Fresh water @ 250'
Sandstone			781'	804'	
Shale			804'	815'	
Sandstone			815'	875'	Salt water @ 840'
Sandstone and Shale			875'	1560'	
Salt Sand			1560'	1746'	
Sandstone and Shale			1746'	1822'	
Maxon			1822'	1842'	
Shale			1842'	1850'	
Little Lime			1850'	1879'	
Blue Monday			1879'	1890'	
Pencil Cave			1890'	1902'	
Big Lime			1902'	2023'	
Big Injun			2023'	2040'	
Siltstone and Shale			2040'	2384'	
Sunbury Shale			2384'	2404'	
Siltstone and Shale			2404'	2840'	
Shale			2840'	4860'	Top of Angola Shale - 4730'
Siltstone			4860'	4942'	
Shale			4942'	5275'	Top of Rhinestreet Shale - 5024'
					TD - 5275'

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc.
 Well Operator

By: Harry J. Berger 09/15/2023
 Date: Nov 13 1984

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



IV-35
(Rev 8-81)

Date November 9, 1984
Operator's
Well No. 454
Farm Suttle
API No. 47 - 087 - 3408

RECEIVED
NOV 19 1984

State of West Virginia
Department of Mines
Oil and Gas Division

OIL AND GAS DIVISION
DEPT. OF MINES

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 /)

LOCATION: Elevation: 1031' Watershed Hayes Run
District: Smithfield County Roane Quadrangle 7.5' Tariff

COMPANY Sterling Drilling & Production Co., Inc.

ADDRESS 710 Virginia St. E., Chas., WV 25301

DESIGNATED AGENT Harry Berger

ADDRESS Same

SURFACE OWNER Danny Jett

ADDRESS Spencer, WV 25276

MINERAL RIGHTS OWNER Glennie Suttle

ADDRESS 824 Charleston Rd., Spencer, WV 25276

OIL AND GAS INSPECTOR FOR THIS WORK Homer H.

Dougherty ADDRESS Linden Rt. Box 3-A, Looney-

PERMIT ISSUED November 29, 1983 ville, WV 25259

DRILLING COMMENCED August 7, 1984

DRILLING COMPLETED August 14, 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	358'	358'	130 sks
8 5/8			
7	2187'	2187'	175 sks
5 1/2			
4 1/2		5253'	290 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5275 feet

Depth of completed well 5275' KB feet Rotary x / Cable Tools

Water strata depth: Fresh 250' feet; Salt 840' feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3484'-5241' feet

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

Final open flow 335 Mcf/d Final open flow Show Bbl/d

Time of open flow between initial and final tests 20 hours

Static rock pressure 900 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

09/15/2023

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)

ROANE
5408

STERLING DRILLING AND PRODUCTION CO., INC.

ARCADE BUILDING
710 VIRGINIA STREET EAST
CHARLESTON, WEST VIRGINIA 25301

(304) 842-0121

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

Date September 22, 1982

Re: Sterling Drilling and
Production Co., Inc.
Well No. 454 - Ren.

AFFIDAVIT

I, Harry L. Berger, Jr., an authorized representative, hereby verify that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above-named coal operator, co-owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Signed: Harry L. Berger, Jr.
Authorized Representative

Notary: David M. Ellsperie (Signed)

My commission expires May 10, 1989.

09/15/2023

Well Site Plan

- Legend:
- Property Boundary
 - Road
 - Existing Fence
 - Planned Fence
 - Stream
 - Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

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



Comments: Slope of well road does not exceed - 12% Cuts to be 2:1 or less.
Seeding and mulching to be done within three (3) months.

Signature: Carli E. Moore

Rt. 1 Box 30 - Duck, WV 25063 364-5780
 ADDRESS PHONE NUMBER

09/15/2023

Please request landowners cooperation to protect new seeding for one growing season.

Form (01-78)



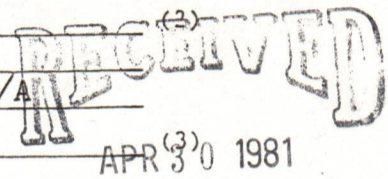
Date 4-14 1981
Well No. #454 - Suttle
API No. 47 - 087 - 3408-Per.
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Sterling Drill. & Prod. Co. Designated Agent Charlie E. Moore
Address 622 3rd Ave., NY, NY 10017 Address Rt. 1 Box 30 - Duck, WV
Telephone (212) 949-9100 Telephone (304) 364-5780
Landowner Danny Sett Soil Cons. District Little Kanawha
Revegetation to be carried out by Moore's Well Ser., C. E. Moore Agent

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan. 4-27-81 Jarrett Newlon
(Date) (SCD Agent)

Access Road	Location
Structure <u>Culverts</u> (A)	Structure _____ (1)
Spacing <u>Min. Size 16"</u>	Material _____
Page Ref. Manual <u>I-8</u>	Page Ref. Manual _____
Structure <u>Drainage Ditches</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing _____	Material <u>Rock</u>
Page Ref. Manual <u>I-11</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Cross Ditches</u> (C)	Structure _____
Spacing <u>As Needed -- 250'</u>	Material _____
Page Ref. Manual <u>I-6</u>	Page Ref. Manual _____



All structures should be inspected regularly and repaired if necessary. OIL & GAS DIVISION DEPT. OF MINES

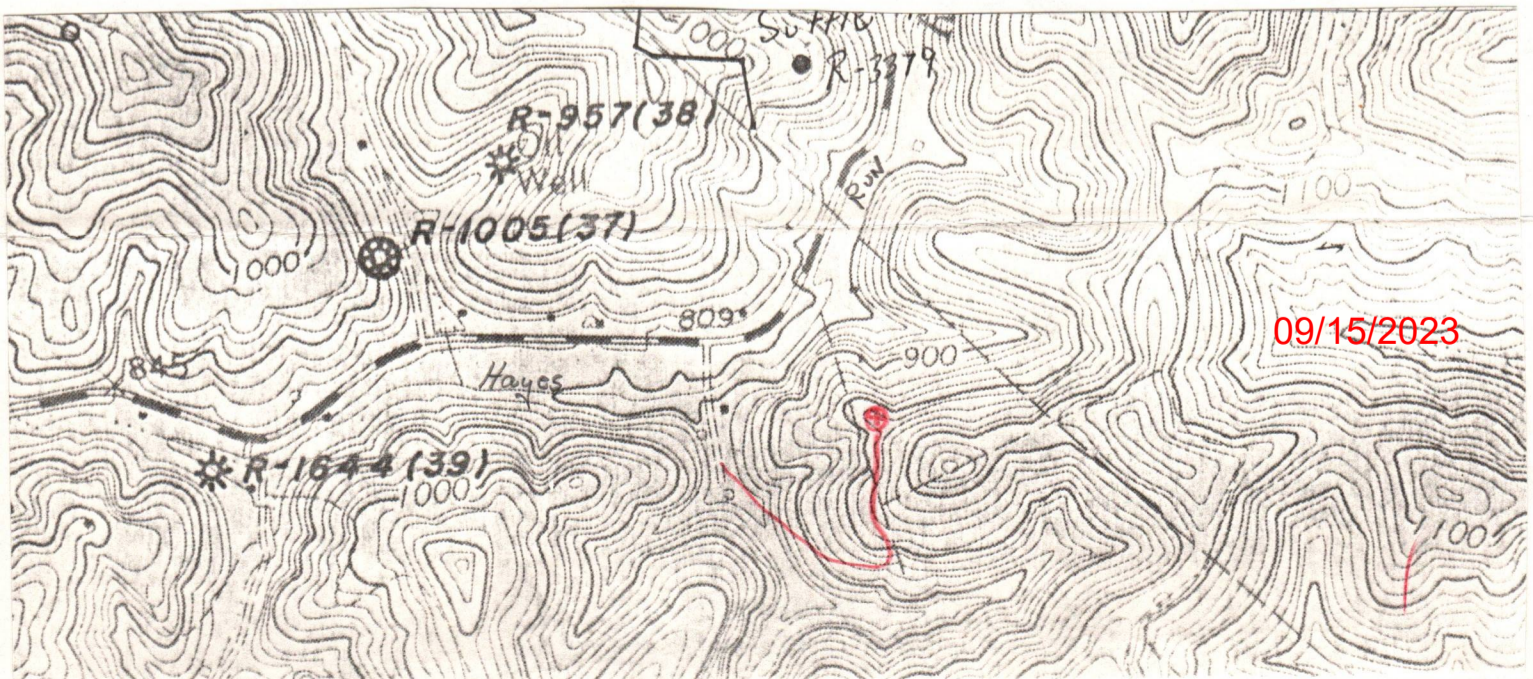
Revegetation

Treatment Area I	Location	Treatment Area II	Road
Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u>		Lime <u>3</u> Tons/Acre or correct to pH <u>6.5</u>	
Fertilizer <u>800</u> lbs/acre (10-20-20 or equivalent)		Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	
Mulch Hay <u>2</u> Tons/Acre		Mulch Hay <u>2</u> Tons/Acre	
Seed* <u>Ky-31</u> <u>35</u> lbs/acre		Seed* <u>Ky-31</u> <u>45</u> lbs/acre	
<u>Orchard</u> <u>15</u> lbs/acre			
<u>Ladino Clover</u> <u>5</u> lbs/acre			

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

Attach or photocopy section of involved Topographic map. Quadrangle 15' Otter NW
7 1/2' Tariff

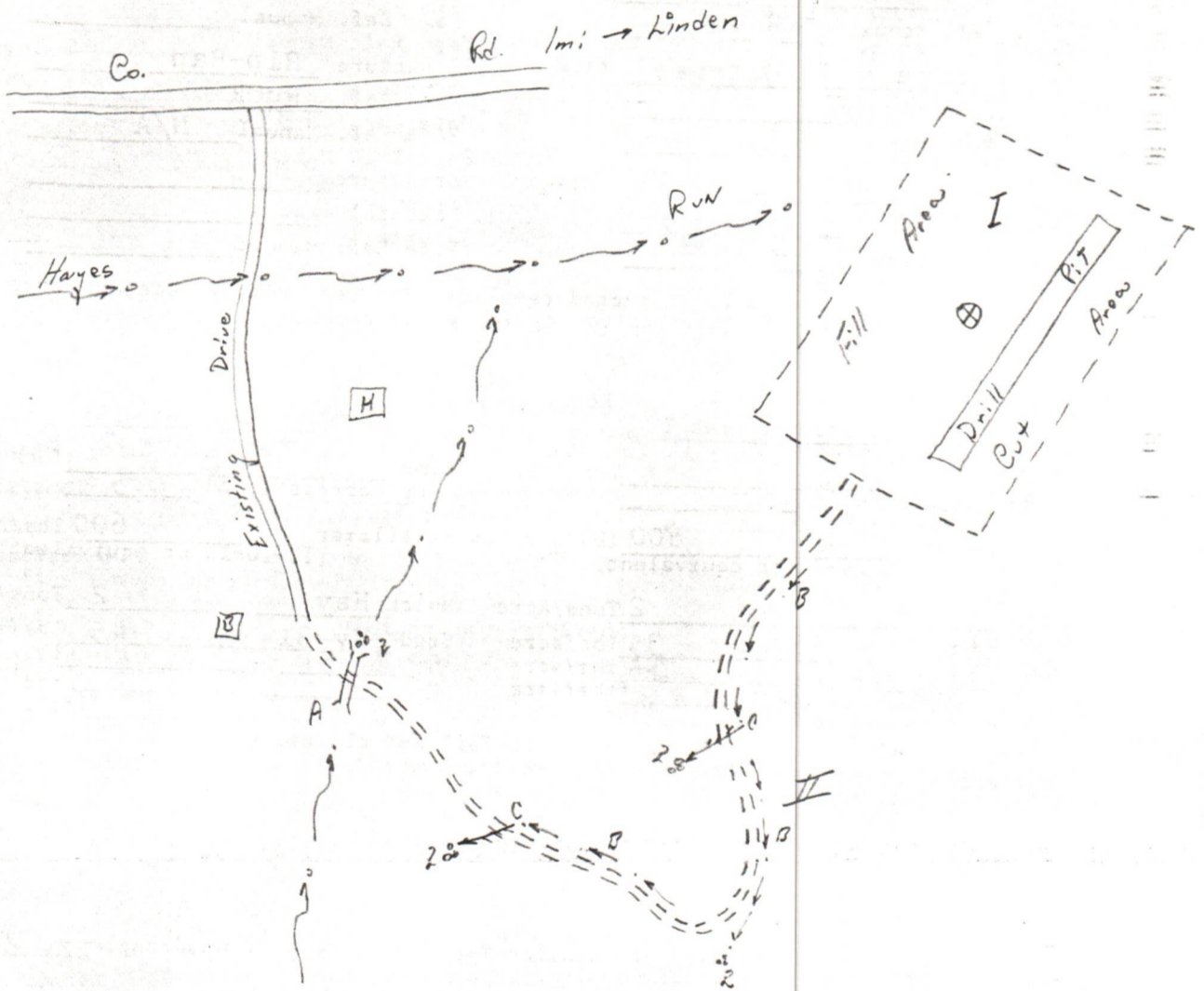
Legend: Well Site Scale - 1" = 1000'
 Access Road



Well Site Plan

- | | | | |
|---------------------------|--------------|------------|-----------------|
| Legend: Property Boundary | —————▲————— | Diversion | —————/————— |
| Road | ==== | Spring | ○→ |
| Existing Fence | ———x———x——— | Wet Spot | ⊕ |
| Planned Fence | ———-———-——— | Building | ■ |
| Stream | ~~~~~ | Drain Pipe | ○———○——— |
| Open Ditch | ———>———>———> | Waterway | ====>====>====> |

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



Comments: Slope of well road does not exceed - 12% Cuts to be 2:1 or less.
Seeding and mulching to be done within three (3) months.

Signature: *Paul E. Moore*

Rt. 1 Box 30 - Duck, WV 25063 364-5780
 ADDRESS Phone Number

09/15/2023

Please request landowners cooperation to protect new seeding for one growing season.



Date 4-14 1981
 Well No. #454 - Suttle
 API No. 47 - 087 - 3408-REN.
 State County Permit

STATE OF WEST VIRGINIA
 OFFICE OF OIL AND GAS

Company Name Sterling Drill. & Prod. Co. Designated Agent Charlie E. Moore
 Address 622 3rd Ave., NY, NY 10017 Address Rt. 1 Box 30 - Duck, WV
 Telephone (212) 949-9100 Telephone (304) 364-5780
 Landowner Danny Sett Soil Cons. District Little Kanawha

Revegetation to be carried out by Moore's Well Ser., C. E. Moore (Agent)

This plan has been reviewed by Little Kanawha S.C.D. All corrections and additions become a part of this plan. 4-27-81 Jarrett Newton
 (Date) (SCD Agent)

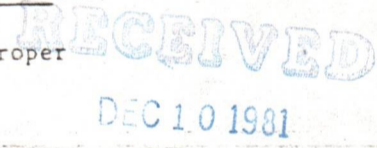
Access Road	Location
Structure <u>Culverts</u> (A)	Structure _____ (1)
Spacing <u>Min. Size 16"</u>	Material _____
Page Ref. Manual <u>I-8</u>	Page Ref. Manual _____
Structure <u>Drainage Ditches</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing _____	Material <u>Rock</u>
Page Ref. Manual <u>I-11</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Cross Ditches</u> (C)	Structure _____ (3)
Spacing <u>As Needed -- 250'</u>	Material _____
Page Ref. Manual <u>I-6</u>	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I	Location	Treatment Area II	Pool
Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u>		Lime <u>3</u> Tons/Acre or correct to pH <u>6.5</u>	
Fertilizer <u>800</u> lbs/acre (10-20-20 or equivalent)		Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	
Mulch <u>Hay</u> <u>2</u> Tons/Acre		Mulch <u>Hay</u> <u>2</u> Tons/Acre	
Seed* <u>Ky-31</u> <u>35</u> lbs/acre		Seed* <u>Ky-31</u> <u>45</u> lbs/acre	
<u>Orchard</u> <u>15</u> lbs/acre		_____ lbs/acre	
<u>Ladino Clover</u> <u>5</u> lbs/acre		_____ lbs/acre	

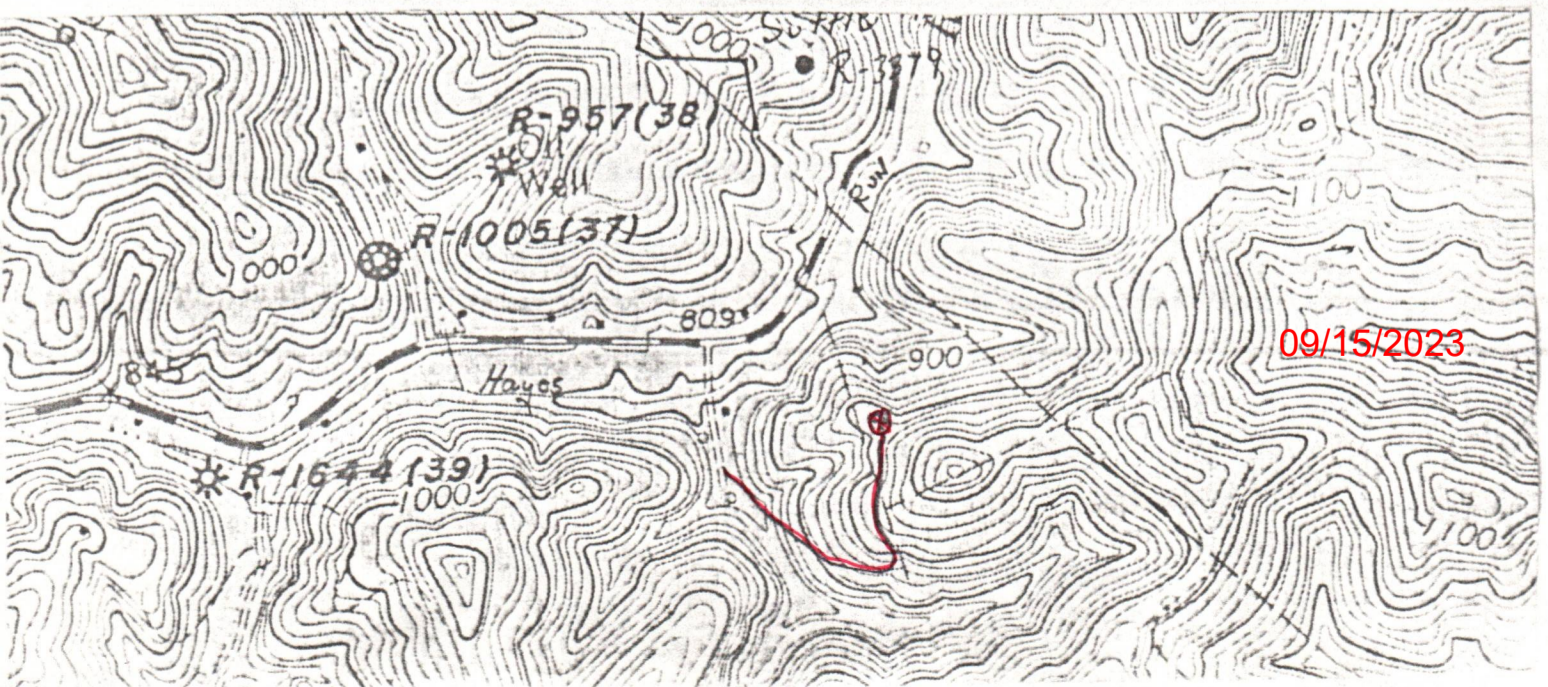
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.



OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

Attach or photocopy section of involved Topographic map. Quadrangle 15' Otter NW
7 1/2' Tariff

Legend: ⊕ Well Site Scale - 1" = 1000'
 — Access Road





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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

July 1, 1983

Sterling Drilling & Production Company
710 Virginia Street, East
Charleston, W. Va. 25301

In Re: PERMIT NO: 47-087-3408-REN.
FARM: Glennie Suttle/Danny Jett
WELL NO: Suttle 454-REN.
DISTRICT: Smithfield
COUNTY Roane

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

XXXXXX The well designated by the above permit number has been released under your Blanket Bond. (Permit Cancelled - Never Drilled.)

_____ Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. 09/15/2023



RECEIVED
SEP 04 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia

Department of Mines *Energy*

Oil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

November 30, 1984

COMPANY Sterling Drilling & Prod. Co.

PERMIT NO 087-3408 (11-29-83)

710 Virginia Street, East

FARM & WELL NO Suttle #454

Charleston, West Virginia 25301

DIST. & COUNTY Smithfield/Roane

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

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

SIGNED Homer H. Dougherty

DATE 8-29-85

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

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

September 10, 1985
DATE

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

INSPECTOR'S WELL REPORT

Permit No. 089-3408

Oil or Gas Well _____
(KIND)

Company Sterling
 Address _____
 Farm Clennie Suttle
 Well No. 454
 District Smithfield County Roane
 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 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

Drillers' Names _____ Well was Never Drilled

Remarks: _____ Cancel

5/27/83
DATE

Homer H. Daugherty
0914512028
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

_____ DATE I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR
09/15/2023

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

RECEIVED
JUL 31 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 087-3408

Oil or Gas Well Gas
(KIND)

Company <u>Sterling Drilling & Prod.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Charleston, W. Va.</u>	Size			Kind of Packer
Farm <u>Clennie Seittle</u>	16			
Well No. <u>454</u>	13			Size of
District <u>Smithfield</u> County <u>Roane</u>	10			
Drilling commenced	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu. Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Status Report

Remarks: 7/27/84 Location & Road constructed culverts installed with rock over, part of road over existing drive but stoned to Co. Road.

7/27/84
DATE

Homer H. Dwyer
DISTRICT WELL INSPECTOR
09/15/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

09/15/2023

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

RECEIVED
AUG 21 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 087-3408-Ren

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Sterling Drilling + Prod.</u>	Size			
<u>Charleston, W. Va.</u>	16			Kind of Packer _____
<u>Clennie Suttle</u>	13			
<u>454</u>	10			Size of _____
<u>Smithfield County Roane</u>	8 1/4			
<u>8/7/84</u>	7"		2187	Depth set _____
_____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>7"</u> SIZE <u>2187</u> No. FT. <u>8/11/84</u> Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Dowell</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Randy Short Pusher Ronnie Costo

Hurt #8

Remarks: 8/11/84 Ran 2187 feet of 7" pipe and cemented with 175 sacks of Neat 3% CC, + 1/4 lb. of celeflake. Plug down 9:15 P.M. By Dowell.

8/13/84 3356 ft deep drilling on air with 6 1/4" Bit.

8/13/84
DATE

Homes H. Dougherty
DISTRICT WELL INSPECTOR

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location			Amount			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING								
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST						

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
09/15/2023

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

RECEIVED
AUG 14 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well _____
(KIND)

Permit No. 087-3408-Rem

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Sterling Drilling Prod</u>	Size			Kind of Packer
Address	<u>Charleston, W. Va.</u>	16			
Farm	<u>Cennie Seattle</u>	13			Size of
Well No.	<u>454</u>	10			
District	<u>Smithfield County Roane</u>	8 1/4			Depth set
Drilling commenced	<u>8/7/84</u>	6 5/8			
Drilling completed	Total depth	5 3/16			Perf. top
Date shot	Depth of shot	3			Perf. bottom
Initial open flow	/10ths Water in Inch	2			Perf. top
Open flow after tubing	/10ths Merc. in Inch	Liners Used			Perf. bottom
Volume	Cu. Ft.	CASING CEMENTED	SIZE	No. FT.	Date
Rock pressure	lbs. hrs.	NAME OF SERVICE COMPANY			
Oil	bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT FEET INCHES			
Fresh water	feet feet	FEET	INCHES	FEET	INCHES
Salt water	feet feet	FEET	INCHES	FEET	INCHES

Drillers' Names Randy Short Rusher Ronnie Casto

Hurt Rig # 8
Remarks: 8/7/84 Rig moving on & Rigging up starting to drill Rot & Morse hole at 4:00 P.M.

8/7/84
DATE

Homer H. D. [Signature]
09/15/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

RECEIVED
APR 16 1982
OIL & GAS DIVISION

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
09/15/2023

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

RECEIVED
AUG 14 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT
DEPT. OF MINES

Permit No. 087-3408-Ren.

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Sterling Drilling Prod.</u>	Size			
<u>Charleston, W. Va.</u>	16			Kind of Packer _____
<u>Clennie Suttle</u>	13			
<u>454</u>	<u>9 5/8</u>		<u>358</u>	Size of _____
<u>Smithfield County Roane</u>	8 1/4			
<u>8/7/84</u>	6 3/8			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used			Perf. top _____
				Perf. bottom _____
	CASING CEMENTED <u>9 5/8</u>	SIZE <u>358</u>	No. FT. <u>8/8/84</u>	Date
	NAME OF SERVICE COMPANY <u>Dowell</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Randy Short Pusher Ronnie Costo

Remarks: Hurst Rig #8
8/8/84 Ran 358 ft of 9 5/8" surface pipe and cemented with 130 sacks of neat 3% cc. + 1/2 lb. of Celifoke Plug down 7:45 A.M. by Dowell. Cement circulated to surface.

8/8/84
DATE

Homer H. Dougherty
09/15/2023
DISTRICT WELL INSPECTOR

RECEIVED
AUG 1 1982
OIL & GAS DIVISION

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location			Amount			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING								
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST						

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
09/15/2023

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

RECEIVED
JUN 11 1985

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 087-3408 Ren.

Oil or Gas Well _____
(KIND)

Company <u>Sterling Drilling</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Chas, W.VA.</u>	Size			
Farm <u>Clennie Suttle</u>	16			Kind of Packer
Well No. <u>454</u>	13			
District <u>Smithfield</u> County <u>Roane</u>	10			Size of
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Status Report

Remarks:
6-3-85 - location reclaimed. Jack + separator set but no tank. road needs worked with water control measures. no grass on location, needs lime, fertilizer, seed, + mulch.

6-3-85
DATE

Homer H. Doughty
09/15/2023
DISTRICT WELL INSPECTOR

FORM 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED				BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE


09/15/2023
DISTRICT WELL INSPECTOR

454
P 522 051 962

REGISTERED CERTIFIED MAIL

NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to DANNY JETT	
Street and No.	
P.O., State and ZIP Code SPENCER, W.V. 25276	
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 	

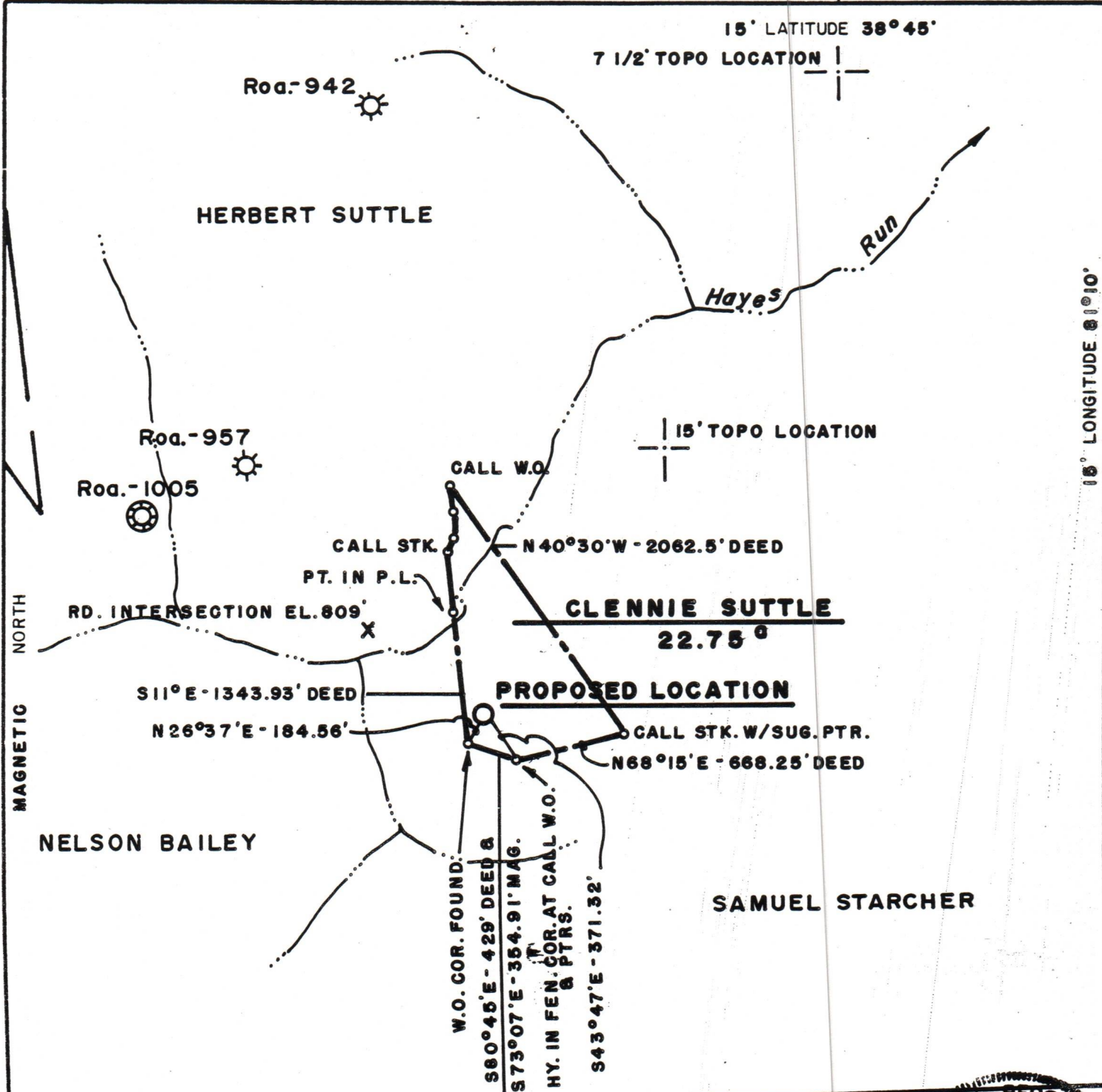
PS Form 3800, Feb. 1982

RECEIVED

NOV 1 0 1983

OIL & GAS DIVISION
DEPT. OF MINES

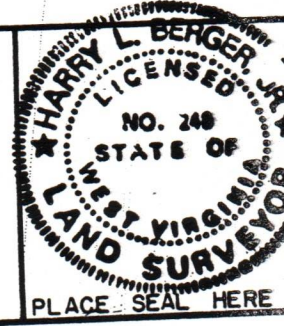
09/15/2023



N.B. H-15, PG. 6

FILE NO. 095-005 NO.1
 DRAWING NO. 74-A
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION U.S.G.S. DATA PT. RD. INTER. SHOWN EL. 809'

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.
 R.P.E. _____ L.L.S. 248



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



Department of Mines
 Oil & Gas Division

DATE DEC. 2, 1981
 OPERATOR'S WELL NO. 454
 API WELL NO. 47-087-3408-Ren.
 STATE COUNTY PERMIT

~~CANCELLED~~
 Re-Instated

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1031.2' WATER SHED HAYES RUN
 DISTRICT SMITHFIELD COUNTY ROANE
 QUADRANGLE 7 1/2' TARIF (OTTER N.W.)
 SURFACE OWNER DANNY JETT ACREAGE 24
 OIL & GAS ROYALTY OWNER GLENNIE SUTTLE LEASE ACREAGE 24
 LEASE NO. 095-005
 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 DEVONIAN SHALE ESTIMATED DEPTH 4500'
 WELL OPERATOR STERLING DRUG & PROD. CO., INC. AGENT CHARLIE MOORE
 ADDRESS 360 MADISON AVE., 5TH FLOOR ADDRESS RT. 1 BOX 30
NEW YORK, NY 10017 DUCK, WV 25063