

CO: 087 PMT: 3432  
 Loc Digitized from OGIS 7.5' Mylar  
 QUAD: 444 DATE: 4-JUN-90  
 LAT: 38 42.5 Miles South: 0.54  
 LONG: 81 20.0 Miles West : 0.21

N.B. H-13, PG. 6 & 14 & N.B. H-16, PG. 12 & 24

FILE NO. 095-001  
 DRAWING NO. 73-B  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. SHOWN ON PLAT, ELEV. 774'

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 J. Berger, Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 248

PLACE SEAL HERE

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



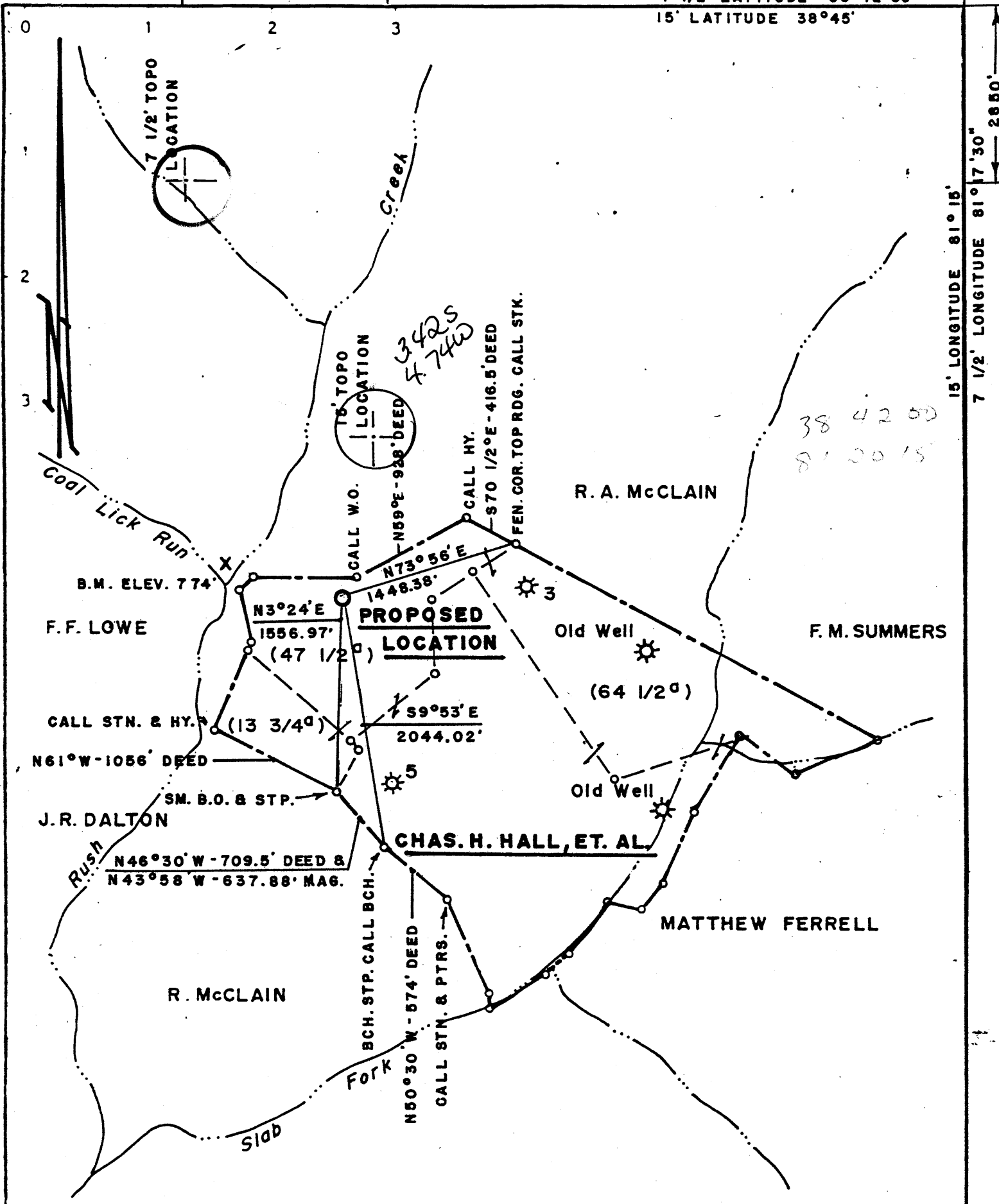
DATE JUNE 21, 1981  
 OPERATOR'S WELL NO. 495 REV.  
 API WELL NO. 47-087-3432-Li  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 909.85' WATER SHED RUSH CREEK  
 DISTRICT SMITHVILLE COUNTY ROANE  
 QUADRANGLE 7 1/2 LOONEYVILLE Walton 13' NE  
 SURFACE OWNER BROWN JARVIS ACREAGE 251  
 OIL & GAS ROYALTY OWNER CHARLES H. HALL, ET AL. LEASE ACREAGE 251  
 LEASE NO. 095-001  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2500'  
 WELL OPERATOR STERLING DRILLING & PROD. CO., INC. AGENT CHARLIE MOORE  
 ADDRESS 622 3RD AVE., SUITE 3800 ADDRESS BOX 20 RT. 1  
NEW YORK, NY 10017 DUCK, WV 25063

NOV 16 1981



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Minimum degree of accuracy is one part in 200

Signed Harry T. Berger P.L.S. 248

N.B.H-13, PG. 6 & 14 & N.B.H-16, PG. 12

COMPANY STERLING DRILLING & PRODUCTION CO., INC.  
 ADDRESS 622 3RD AVE., SUITE 3800, N.Y., N.Y. 10017  
 FARM CHARLES H. HALL, ET. AL.  
 MAP 73-B ACRES 251 LEASE NO 095-001  
 WELL (FARM) NO 9 SERIAL NO 495  
 ELEVATION (SPIRIT LEVEL) 927.45'  
 QUADRANGLE 15' WALTON N.E. & 7 1/2' LOONEYVILLE  
 COUNTY ROANE DISTRICT SMITHVILLE  
 POINT OF PROVEN ELEVATION U.S. G.S. B.M. SHOWN ON PLAT  
 ELEV. 774'  
 FILE NO \_\_\_\_\_ DRAWING NO \_\_\_\_\_  
 DATE MAY 5, 1981 SCALE 1" = 1000'

**CERTIFICATE**

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**

FILE NO 47-087-3432

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1" TO 42,500'. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN. DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRAIL.

Oil and Gas Division

HALL # 495

WELL RECORD

Rotary  Oil   
 Cable \_\_\_\_\_ Gas   
 Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
 Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
 Disposal \_\_\_\_\_ (Kind)

Quadrangle Walton NE

Permit No ROA-3432

Company <u>Sterling Drilling &amp; Prod. Co., Inc</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill u Cu. ft. (Sk.)
Address <u>622 3rd Ave. - NY, NY 10017</u>	Size			
Farm <u>Hall</u> Acre <u>251</u>	20-16			
Location (waters) <u>Slab Fork</u>	Cond			
Well No <u>495</u> Elev. <u>927.45'</u>	13-10"			
District <u>Smithfield</u> County <u>Roane</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8	410	410	160 sks.
<u>Brown Jarvis</u>	7			
Address <u>Spencer, WV</u>	5 1/2			
Mineral rights are owned by <u>Charles H. Hall</u>	4 1/2		2114	175 sks.
<u>901 Ann St</u> Address <u>Ravenswood, WV</u>	3			
Drilling Commenced <u>6/21/81</u>	2			
Drilling Completed <u>7/2/81</u>	Liners Used			
Initial open flow _____ M cu. ft. _____ bbls.				
Final production _____ M cu. ft. per day <u>(1)</u> bbls.				
Well open _____ hrs. before test <u>20</u> # RP.				

Attach copy of cementing record.

Well treatment details:  
Perforated Injun with 12 holes from 1968 to 2062  
Fractured Injun Sand with 500 gallon 15% MCA Acid 15,000 # 80/100 Sand  
30,000 # 20/40 Sand and 520 barrells water.

Coal was encountered at \_\_\_\_\_ 0 \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 First water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
 Producing Sand Injun Depth 1968 to 2062

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Rock & Shale			0	420		
Shale			420	1355		
Salt Sand			1355	1900		
Little Lime			1900	1925		
Pencil Cave			1925	1937		
Big Lime			1937	2150		
Sand		ELECTRIC LOG	1614	1738		
Slate			1738	1742		
Sand			1742	1894		
Lime			1894	1924		
Slate			1924	1936		
Big Lime			1936	2048		
Sand <u>BE</u>			2048	2088		
Shale			2088	2145		

**RECEIVED**

JUL 27 1981

OIL & GAS DIVISION  
 DEPT. OF MINES

T.D. 2145

PERMIT MUST BE POSTED AT THE WELL SITE  
provisions being in accordance with Chapter 22,  
the W. Va. Code, the location is hereby approved  
drilling. This permit shall expire if  
1-27-82  
operations have not commenced by



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

HALL #495

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

Surface Owner Brown Jarvis  
Address Spencer, W.V.  
Mineral Owner Charles H. Hall  
Address 901 Ann St. Ravenswood, W.V. 26164  
Coal Owner Unknown - Unoperated  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

DATE May 7, 1981  
Company Sterling Drilling and Production Co., Inc  
Address Suite 3800 622 3rd Ave N.Y., N.Y. 10017  
Farm HALL Acres 251  
Location (waters) Slab Fork  
Well No. 495 Elevation 927.45  
District Smithfield County Roane  
Quadrangle Looneyville 7.5'  
15' Walton NE

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MAY 21 1981

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR  
TO BE NOTIFIED Richard Morris  
ADDRESS P.O. Box 372 Grantsville, W.V. 26147  
PHONE 354 - 7259

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 Dec. 16th 1978 by Charles H. Hall Sterling Drilling and Production Co., Inc. made to \_\_\_\_\_ and recorded on the 5th day of March 1979, in Roane County, Book 148 Page 576 Lease # 095 - 001  
 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.

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

Very truly yours,  
(Sign Name) Charles E. Moore  
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 reciting 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.

BLANKET BOND

47-087-3432 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

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:  2150'  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	2150'		100 sks
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.

\_\_\_\_\_  
For Coal Company  
\_\_\_\_\_  
Official Title

Date: Sept. 21, 19 81

Operator's Well No. Hall #495

API Well No. 47-087-3432 R -L1  
State County Permit

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

PRE-OPERATION CERTIFICATE  
FOR LIQUID INJECTION OR WASTE DISPOSAL WELL

WELL OPERATOR Sterling Drilling & Prod. Co. Inc. DESIGNATED AGENT Charlie Moore  
Address 710 Virginia St. E. Address Route 1, Box 30,  
Charleston, WV 25301 Duck, WV 25063

GEOLOGICAL TARGET FORMATION Injun Depth 2048 feet(top) to 2088 feet(bottom)

Virgin reservoir pressure in target formation 600 psig (est.)

Source of information on virgin reservoir pressure Estimated

Perforation intervals 1982-1986 4 holes Open-hole intervals none  
2059-2063 4 holes  
2073-2077 4 holes

MAXIMUM PROPOSED INJECTION 2073-2077 4 holes

Volume per hour: 20 bbls. Bottom hole pressure: 2300 psig

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED

Liquids to be injected for oil recovery under Code § 22-4-10a: Salt water recovered from producing wells in same formation

Wastes to be disposed of: \_\_\_\_\_

Additives (slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.): \_\_\_\_\_

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL

NONE

RECEIVED

SEP 22 1981

FILTERS (IF ANY)

NONE

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

ADDITIONAL DRILLING AS PART OF THE CONVERSION

(Complete and submit Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change".)

DETAILS ON NEW CASING AND TUBING PROGRAM AS PART OF THE CONVERSION:

(To be completed below unless the new casing and tubing program is described on a Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change", submitted in connection with the permit to which this Form IV-37 pre-operation certificate relates.)

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8" LS	24.0	X			410	410	160 SX.
Coal								Sizes
Intermediate								
Production	4 1/2" CW	10.5	X				2114	350 SX 50-50 POZ. Depths set
Tubing								
Liners								Perforations:
								Top Bottom
								1982 1986 4 holes
								2059 2063 4 holes
								2073 2077 4 holes

(Continue on reverse side)

FORM IV-37  
(Reverse)

[03-81]

MECHANICAL INTEGRITY TEST

Test method: Frac pressure 2800 Psi (breakdown), Treat @ 2200 Psi.

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The undersigned certifies that the test above was made  
on July 6, 1981, and demonstrated the  
mechanical integrity of the well. The above test will  
be performed again within ninety (90) days of five  
years from this date and certified to the office.

FACILITIES OR SYSTEMS TO PROTECT THE  
INTEGRITY OF THE GEOLOGICAL TARGET  
FORMATION FRACTURING THE CONFINING STRATA Adequate cement (350sx 50-50

Pozmix) Calculated fillup 1936' was used to cement 4 1/2" casing  
230 + inside 8 5/8" casing.

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APPLICATION FOR VARIANCE (IF ANY) FROM REGULATION 9.01(a)  
[Specify purpose, necessity, and justification]

Sterling Drilling and Production Co. Inc.

Well Operator

BY: Kenneth L. Gosnell

Its Vice President

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

Fluid  
~~XXXXX~~ INJECTION OR WASTE DISPOSAL WELL PERMIT APPLICATION

WELL TYPE: Liquid Injection X / Waste Disposal      /  
LOCATION: Elevation: 909.55 Gr Watershed: Slab Fork  
District: Smithfield County: Roane Quadrangle: Looneyville 7.5"  
GEOLOGICAL TARGET FORMATION: Injun Sand Approximate depth 2000' feet  
Virgin reservoir pressure in target formation 600 psig (surface measurement)  
Source of information on virgin reservoir pressure Estimated, based on usual Injun Sand pressure.

WELL OPERATOR Sterling Drilling and Prod. Co. DESIGNATED AGENT Charlie Moore  
Address 710 Virginia St. E. Address Route 1, Box 30,  
Charleston, WV 25301 Duck, WV 25063

ROYALTY OWNER Charles H. Hall, et.al. COAL OPERATOR NONE  
Address 901 Ann St. Address       
Ravenswood WV 26164

ACREAGE 251 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER Brown Jarvis Name Unknown-not operated  
Address 631 Slab Fork Road Address       
Spencer, WV 25276  
ACREAGE 251 Name     

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name      Address       
Name      Address       
COAL LESSEE WITH DECLARATION ON RECORD:  
Name      Address     

**RECEIVED**  
OCT 22 1981

The undersigned well operator is entitled to operate for liquid injection or waste disposal purposes at the above location under a deed      / lease X / other contract      / dated Dec. 16, 19 78, to the undersigned well operator from Charles H. Hall, et.al.

[If said deed, lease, or other contract has been recorded:]  
Recorded on March 5, 19 79, in the office of the Clerk of the County Commission of Roane County, West Virginia, in Deed Book 148 at page 575. A permit is requested as follows:

PROPOSED WORK: Convert X / Drill      / Drill deeper      / Redrill      / Fracture or stimulate      /  
Plug off old formation      / Perforate new formation      /  
Other physical change in well (specify) Inject produced salt water from surrounding Injun wells into same formation.

--planned as shown on the work order on the reverse side hereof.  
Date of first liquid injection or waste disposal: October 1, 1981

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 thirty (30) 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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 343-3092

Sterling Drilling and Production Co., Inc.  
Well Operator  
By Kenneth R. Rosnell  
Its Vice President



PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON  
FORM IV-35 AND/OR FORM IV-37 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) FWA  
Address P.O. Box 448  
Elkview, WV 25071

GEOLOGICAL TARGET FORMATION, Injun Sand

Estimated depth of completed well, 2145 feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 175 feet; salt, 1670 feet.  
Approximate coal seam depths: unknown Is coal being mined in the area? Yes      / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling		Left in well	Kinds
Conductor									
Fresh water	8 5/8" IS		24.0#	X		410	410	160 SX.	
Coal									
Intermediate									
Production	4 1/2" CW		10.5#	X			2114	350 SX.	Depths set
Tubing								50-50 Poz	
Liners								1936' fill up (Calc)	Perforations:
									Top Bottom
									1982 1986 4 holes
									2059 2063 4 holes
									2073 2077 4 holes

NOTE 1: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-3 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 § 22-4-2a, (iii) unless previously paid on the same well, the fee required by Code § 22-4-12a, (iv) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, 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-3 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-3 filed in connection therewith.

NOTE 2: In addition to the permit required from the Department of Mines, the operator of a disposal well must obtain a separate permit from the Department of Natural Resources under the provisions of Code § 20-5A-5(b)(7).

This well was fractured in early July 1981 after setting 4 1/2" casing. Breakdown pressure was 2800 Psi and treating pressure averaged 2200 Psi.

<sup>@ 25 bpm</sup>  
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 Liquid Injection. This permit shall expire if operations have not commenced by 6-30-82

*Fred Buppitt*  
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 thirty (30) 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