

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

RECEIVED

NOV 7 - 1983

STATE OF WEST VIRGINIA
COUNTY OF MARION :

OIL & GAS DIVISION
DEPT. OF MINES

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

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

--all with respect to operator's Well No. R-178 located in MANNINGTON District, MARION County, West Virginia, upon the person or organization named--

RON HELORETH, AGENT FOR THE O. R. HESS HEIRS

--by delivering the same in MARION County, State of WEST VIRGINIA on the 3RD day of NOVEMBER, 1983 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him X / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

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

For a limited partnership:

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

For a corporation:

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

Donald W. Bown
(Signature of person executing service)

Taken, subscribed and sworn before me this 3 day of November, 1983.
My commission expires October 1985.

Cornelius M. Jenkins
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

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

RECEIVED
APR 9 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 049-0768-P

Oil or Gas Well _____
(KIND)

Company <u>CONSOLIDATION COAL CO</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>MORGANTOWN W.V.</u>	Size			
Farm <u>DAKEY HESS.</u>	16			Kind of Packer _____
Well No. <u>B-178</u>	13			
District <u>MANNINGTON</u> County <u>MARION</u>	10			Size of _____
Drilling commenced <u>4-3-84</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			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 LANG BROS BIG #1

Remarks: 700 FT DEEP.

4-5-84
DATE

Donald R. Ellis 08/25/2023
DISTRICT WELL INSPECTOR

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

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APR 17 1984

INSPECTOR'S PLUGGING REPORT
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 049-0768P

Well No. R-178

COMPANY CONSOLIDATION COAL CO. ADDRESS MORGANTOWN W.V.
FARM OKEY HESS DISTRICT MANNINGTON COUNTY MARION

Filling Material Used CEMENT 435 SKS 285 SKS THIX

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
4 1/2 CSG	912	28 FT	LEFT IN WELL			
2 3/4 TUBING	597	25 FT				
TOTAL	1510	73 FT				
LATCH DOWN PLUG	872	28 FT				
FLOAT VALVE	910	FT				
SWEDGE	912	88 FT				
6 5/8 CSG	1304 - 1500		} OLD LEFT IN WELL			
8 1/4 CSG	769 - 1164					

Drillers' Names LANG BROS #1 CALDONIA PUSHER

Remarks: CEMENT CIRCULATED TOP TO BOTTOM
COMPLETED 4-10-84

4-15-84

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

Donald R. Ellis

DISTRICT #2 OFFICE 08/25/2023

RECEIVED
DIVISION OF MINES

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

INSPECTOR'S WELL REPORT

Permit No. _____

Oil or Gas Well _____
(KIND)

Company _____ Address _____ Farm _____ Well No. _____ District _____ County _____ 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			Size of _____
	13			Depth set _____
	10			Perf. top _____
	8 1/4			Perf. bottom _____
	6 5/8			Perf. top _____
	5 3/16			Perf. bottom _____
	3			
	2			
	Liners Used _____			

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 _____

Remarks: _____

DATE _____

08/25/2023

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

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APR 24 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 044-0768-P

Oil or Gas Well _____
(KIND)

Company CONSOLIDATION COAL CO.
 Address MORGANTOWN W.V.
 Farm OKEY HESS
 Well No. R-178
 District MANNINGTON County MARION
 Drilling commenced 9-3-84
 Drilling completed 4-10-84 Total depth 1520
 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 _____ bbla., 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 _____

Remarks: RECLAMATION STARTED

4-19-84
DATE

David B. [Signature]
DISTRICT WELL INSPECTOR

08/25/2023

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NOV 7 - 1983

Plugging Technique To Be Utilized When A Previously Abandoned Well Cannot Be Cleaned Out To Its Total Depth

OIL & GAS DIVISION

DEPT. OF MINES

Since the inception of Consolidation Coal Company's well plugging program, a total of 100 previously abandoned oil and gas wells have been effectively plugged and a total of 42 wells have been successfully mined through.

Using the experience and technology gained from these successful operations, Consol proposes an alternate, safer method of plugging abandoned oil and gas wells.

The method proposed will enhance present day mining through safety standards by:

1. Allowing for more sealing material (expanding cement) in critical areas within the wellbore below the coal bed of interest.
2. Allowing for a positive indication of the environment within the wellbore across the coal seam.
3. Allowing for the use of the existing wellbore for other mine usages, i.e. methane drainage, power holes, etc.
4. Using a cleanout technique which lends itself more readily to rotary operations which are inherently safer than cable tool operations.

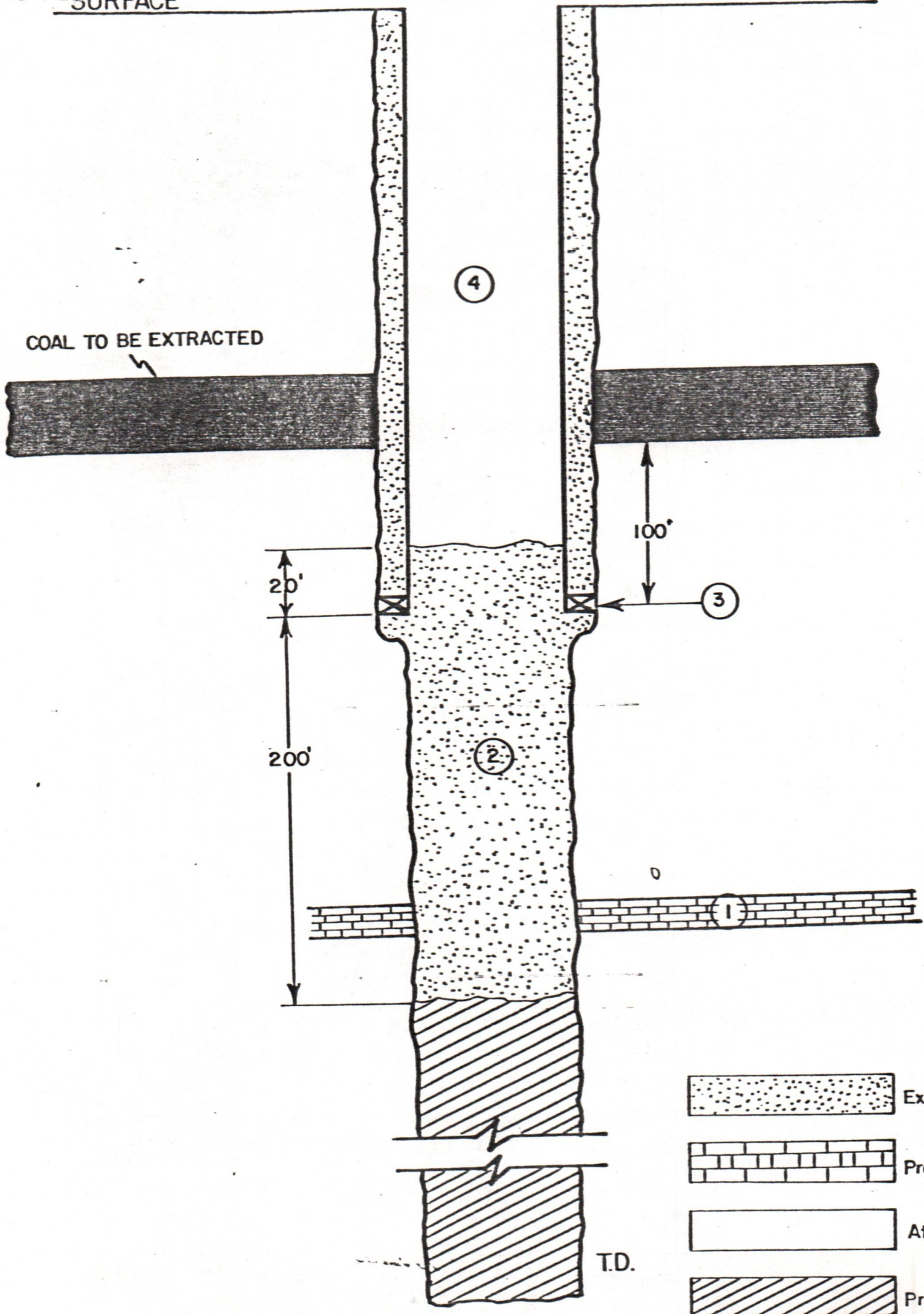
Therefore, it is felt that the proposed technique as set forth below will provide an alternate method of plugging abandoned wells, which is as safe or safer than today's method.

1. A diligent effort shall be made to clean the wellbore to total depth. If this depth cannot be reached, the wellbore will be cleaned out below the first possible hydrocarbon producing zone ① and/or no less than 300' below the lowest mineable coal seam.
2. A 4½" vent pipe (or larger) shall be run into the wellbore to a depth 100 feet below the lowest mineable coal seam. This coal protection string of casing shall be cemented by circulation with expandable cement from the bottom of the casing to the surface using standard cementing practices. ③
3. An expandable cement plug ② will be set in the wellbore adhering to the following specifications:
 - a) The wellbore shall be filled with fluid from a point 300 feet below the lowest mineable coal seam to the surface, such that an over balanced condition will exist in the wellbore.

08/25/2023

- b) While maintaining this over balanced condition in the wellbore, an expandable cement plug shall be set through tubing by the "balanced plug" method. The bottom of said cement plug shall be no less than 300 feet below the lowest mineable coal seam and shall extend 20 feet (80 feet below the coalbed of interest) into the 4½" casing.
 - c) After the cement has had adequate time to harden, the plug shall be tagged to verify the exact final location and condition of the plug.
4. In order to determine the effectiveness of the sealing project, all fluid shall be evacuated (4) from the wellbore. A vent shall then be installed ~~on top of the casing in such a manner that will prevent~~ liquids and solids from entering the well, but will permit ready access to the full internal diameter of the coal protection string when required.
5. Prior to commencement of "mining through" operation, Consol shall sample the atmosphere across the coal seam for methane. This sample will prove the effectiveness and condition of the sealing process.

SURFACE



COAL TO BE EXTRACTED

20'

200'

100'

T.D.

- Expanding Cement
- Producing Zone
- Atmosphere
- Previous Plug

08/25/2023



1) Date: October 24, 1983, 1983

2) Operator's Well No. R-178.

3) API Well No. 47 - 049 - 0768P
State County Permit

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

4) WELL TYPE: A Oil / Gas / Liquid injection / Waste disposal / Abandoned
 B (If "Gas", Production / Underground storage / Deep / Shallow X)

5) LOCATION: Elevation: 1255.39' / Watershed: Big Run
 District: Mannington / County: Marion / Quadrangle: Wallace 7.5

6) WELL OPERATOR: Consolidation Coal Company
 Address: P. O. Box 1314
Morgantown, WV 26507-1314

7) DESIGNATED AGENT: Roger E. Duckworth
 Address: P. O. Box 1314
Morgantown, WV 26507-1314

8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name: BILL Blosser / ROBERT STEWART
 Address: Coffax, WV / JANE LEW, WV

9) PLUGGING CONTRACTOR
 Name: Unknown
 Address:

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

1. Clean out wellbore to T.D., if practical.
2. Fill wellbore with fluid such that an "overbalanced" condition exists in the wellbore.
3. Set through tubing, an expandable cement plug adhering to the following specifications:
 - a. The bottom of the cement plug shall be no less than 300' below the lowest mineable coal seam and shall extend to no less than 100' below the lowest mineable coal seam. (The plug shall be no less than 200' in length).
4. Run 4 1/2" O. D. vent pipe to the top of the expandable cement plug (100' below the lowest mineable coal seam).
5. Cement the annulus from the bottom of the 4 1/2" O.D. casing to the surface and 20' inside the 4 1/2" O.D. pipe. (See Exhibit No. 1)

The law requires a comment period for surface owners. However, the permit can be issued in less than the filing of the Application to plug and abandon a well.

Plugging Permit

Permit no. 47-049-0768-P

November 17, 1983
Date

for a
Permit
all for

This permit covering the well operator and well location shown above is evidence of permission granted to plug in accordance with the pertinent legal requirements. NOTIFICATION MUST BE GIVEN TO THE OIL AND GAS INSPECTOR 24 HOURS BEFORE ACTUAL PERMITTED WORK HAS COMMENCED.

Permit expires November 17, 1985 unless plugging is commenced prior to that date and prosecuted with due diligence.

BOND: BB AGENT: MH RAT: MH CASING: [Signature] No FEE
 Administrator, Office of Oil & Gas
08/25/2023

8-25



1) Date: October 24, 1983 19
2) Operator's Well No. R-178
3) API Well No. 47 - -
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS, DEPARTMENT OF MINES
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

1) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name O. R. Hess (Heirs)
Address Ron Heldreth (Agent)
311 Alexander Ave.
- (ii) Name Clarksburg, WV.
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR Consolidation Coal Co.

Address P. O. Box 1314
Morgantown, WV 26507-1314

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Consolidation Coal Company
Address P. O. Box 1314
Morgantown, WV 26507-1314

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 to Plug and Abandon a Well on Form IV-4(B), which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form IV-6.

RECEIVED
NOV 7 1983

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-4(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

OIL & GAS DIVISION
DEPARTMENT OF MINES

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 Permit to plug and abandon a well with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to the well at the location described on the attached Application and depicted on the attached Form IV-6. Copies of this Notice, the Application, and the plat 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 _____

WELL OPERATOR Consolidation Coal Company

By Roger Duckworth
Its Project Engineer

this 27 day of Oct, 1983.
My commission expires June 29, 1987.

Address P. O. Box 1314
Morgantown, WV 26507-1314

David R. Garner
Notary Public, Monongalia County,
State of West Virginia

Telephone (304) 296-3461

BLANKET BOND

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 § 22-4-1m(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.

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and two copies of the Application must be filed with the Administrator, accompanied by (i) an original and four copies of the Notice, (ii) an original and four copies of a plat in the form prescribed by Regulation 11, and (iii) a bond in one of the forms prescribed by Regulation or in lieu thereof the other security allowed by Code § 22-4-9.

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 and 22-4-9.



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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
June 19, 1984

RECEIVED
AUG 6 1984

OIL & GAS DIVISION
DEPT. OF MINES

COMPANY Consolidation Coal Company PERMIT NO 049-0768-P 11/83
P. O. Box 1314 FARM & WELL NO Hess #R-178
Morgantown, West Virginia 26507-1314 DIST. & COUNTY Mannington/Marion

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17.02	Method of Plugging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18.01	Materials used in Plugging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17.06	Statutory Affidavit	<input type="checkbox"/>	<input type="checkbox"/>
7.06	Parties Responsible	<input type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

SIGNED Donald K. Ellis
DATE 7-31-84

Your Affidavit of Plugging was received and reclamation requirements approved.
The well designated by the above permit number has been released under your bond.

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

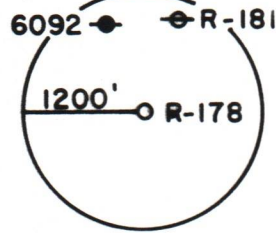
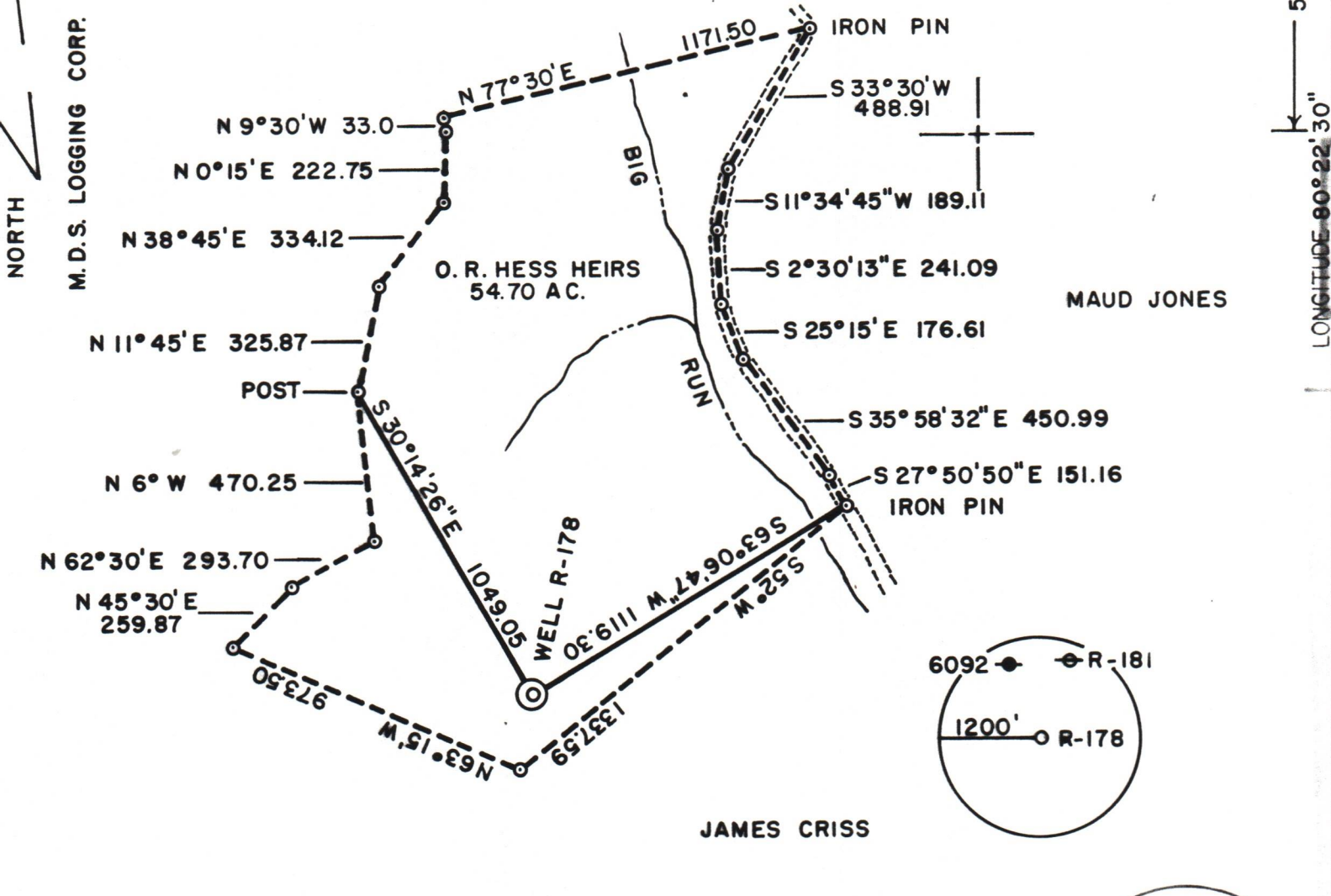
August 10, 1984
DATE

LATITUDE 39° 30' 00"

4,420

5,480
LONGITUDE 90° 22' 30"

RALPH SWIGER



JAMES CRISS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 5000
 PROVEN SOURCE OF ELEVATION COMPANY SURVEY TIED INTO THE U.S.C.S. NETWORK

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) *R. Nelson McCoy*
 R.P.E. _____ L.L.S. 110



PLACE SEAL HERE

(+) 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 OCTOBER 18, 19 83
 OPERATOR'S WELL NO. R-178
 API WELL NO. _____
47 - 049 - 0768-R
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ ABANDONED X
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1255.39 WATER SHED BIG RUN
 DISTRICT MANNINGTON COUNTY MARION
 QUADRANGLE WALLACE W.V. 7.5

SURFACE OWNER OKEY R. HESS HEIRS ACREAGE 54.70
 OIL & GAS ROYALTY OWNER UNKNOWN LEASE ACREAGE _____
 LEASE NO. _____

08/25/2023

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL X FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG X
 TARGET FORMATION ___ NONE ___ ESTIMATED DEPTH _____
 WELL OPERATOR CONSOLIDATION COAL COMPANY DESIGNATED AGENT ROBERT E. DICKWORTH
 ADDRESS P.O. BOX 1314 ADDRESS P.O. BOX 1314
MOUNTAIN VIEW, W.V. 26005 MOUNTAIN VIEW, W.V. 26005