

Minimum Error of Closure LESS THAN 1 IN 7,200

Source of Elevation U.S.G.S. BM #165 RHP ON PICKENPAW RUN ROAD

ELEVATION = 980 (979.89)

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.

Signed: *C.D. Locke*
 Squares: N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No.

Company U.S. DEPARTMENT OF ENERGY
 Address P.O. BOX 880, MORGANTOWN, W.V. 26505
 Farm WALTER B. SMITH
 Tract _____ Acres 15 Lease No. _____
 Well (Farm) No. C-4 Serial No. _____
 Elevation (Spirit Level) 1051.70
 Quadrangle GLOYER GMP, W.V. (7.5') Mar 15'
 County WETZEL District GRANT
 Surveyor C.D. LOCKE
 Surveyor's Registration No. 6981 O. & G.E.
 File No. _____ Drawing No. _____
 Date OCTOBER 24, 1980 Scale 1" = 400'

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

WELL LOCATION MAP

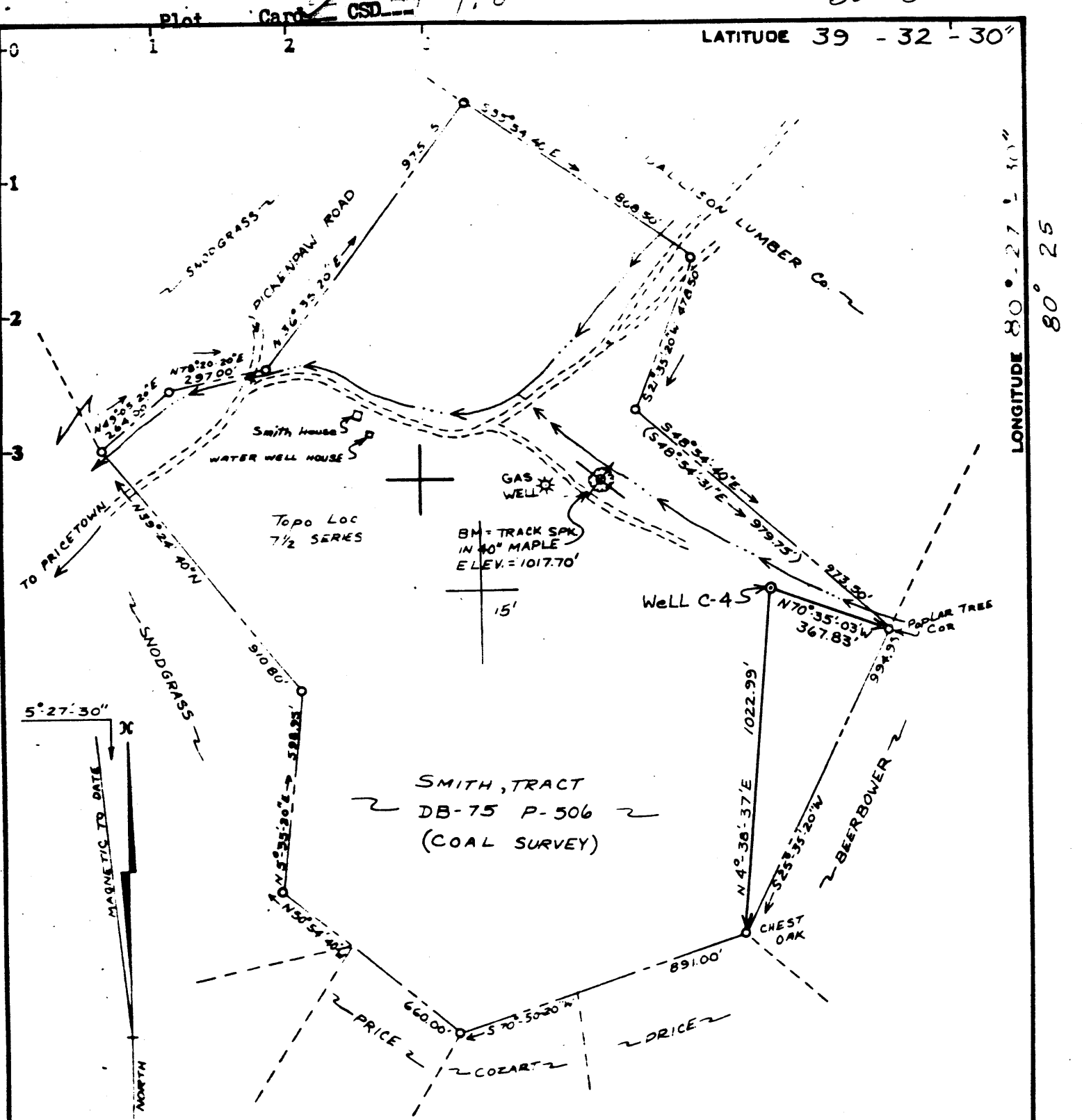
FILE NO. 103-1206-P

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

AUG 23 1982

LONGITUDE 80° - 27' - 30"
80° 25'



Minimum Error of Closure LESS THAN 1 IN 7,200

Source of Elevation U.S.G.S. BM #165 RIF ON PICKENPAW RUN ROAD

ELEVATION = 990 (979.89)

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.

Signed: *C.D. Locke*
 Squares: N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No. _____

Company U.S. DEPARTMENT OF ENERGY

Address P.O. BOX 880, MORGANTOWN, W.V. 26505

Farm WALTER B. SMITH

Tract _____ Acres 15 Lease No. _____

Well (Farm) No. C-4 Serial No. _____

Elevation (Spirit Level) 1051.70

Quadrangle GLOVER GAP, W.V. 17.5 *Mar '15'*

County WETZEL District GRANT

Surveyor C.D. LOCKE

Surveyor's Registration No. 6981 C. & G.E.

File No. _____ Drawing No. _____

Date OCTOBER 24, 1980 Scale 1" = 500'

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

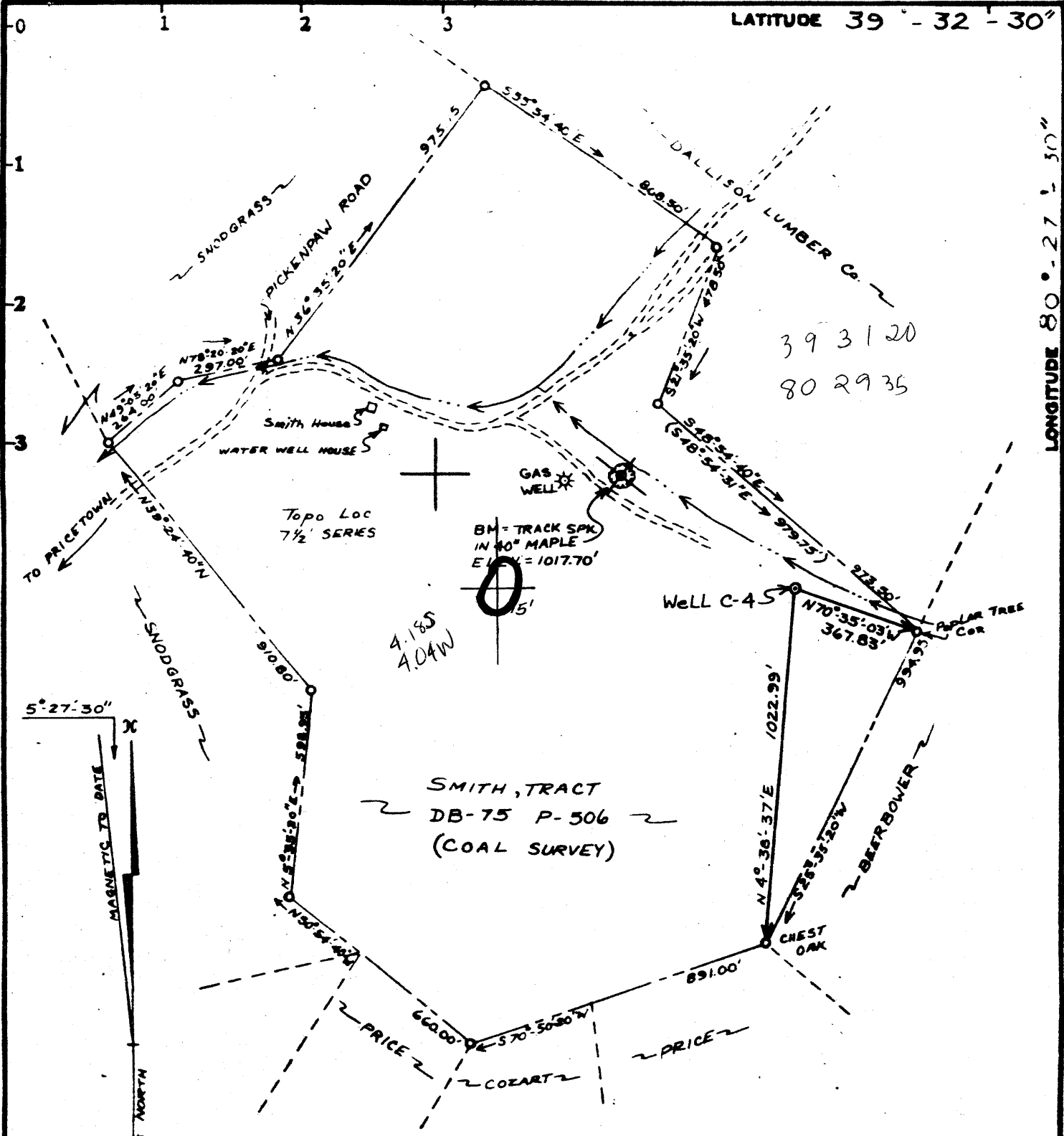
WELL LOCATION MAP

FILE NO. 103-1206

CANCELLED

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border of original tracing.



Minimum Error of Closure LESS THAN 1 IN 7,200

Source of Elevation U.S.G.S. BM #165 RIP ON PICKENPAW RUN ROAD

ELEVATION = 980 (979.89)

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.

Signed: *C.D. Locke*
 Map No. Squares: N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Company U.S. DEPARTMENT OF ENERGY
 Address P.O. BOX 880, MORGANTOWN, W.V. 26505
 Farm WALTER B. SMITH
 Tract _____ Acres 15 Lease No. _____
 Well (Farm) No. C-4 Serial No. _____
 Elevation (Spirit Level) 1051.70 *SW*
 Quadrangle GLOVER GAP, W.V. (7.5') *Man...*
 County WETZEL District GRANT
 Surveyor C.D. LOCKE
 Surveyor's Registration No. 6981 O. & G.E.
 File No. _____ Drawing No. _____
 Date OCTOBER 24, 1980 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. 103-1206

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

DEC 19 1980



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

Rotary
Spudder
Cable Tools
Storage

103-1206

WELL RECORD

Oil or Gas Well Core
(KIND)

Quadrangle _____
Permit No. 471031206

Company U.S. DOE, Morgantown Energy Technology Ctr.
Address Morgantown, West Virginia 26505
Farm Walter B. Smith Acres _____
Location (waters) _____
Well No. C-4 Elev. _____
District Grant County Wetzel
The surface of tract is owned in fee by Walter B. Smith
Address Pricetown, WV
Mineral rights are owned by _____
Address _____
Drilling commenced 1-6-81
Drilling completed 1-13-81
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Multi-</u>
13			Stage Cementing <u>Col</u>
10	20'		Size of <u>6 1/2" - 7 3/4"</u>
8 1/4 7"	200'	200'	Depth set <u>900'</u>
6 3/4			
5 3/16			
4 1/2	933'	933'	
3			Perf. top _____
2			Perf. bottom <u>33'</u>
Liners Used			Perf. top _____
			Perf. bottom _____

Attach copy of cementing record.
CASING CEMENTED 7" SIZE 200' No. Ft. 1-6-81 Date
Amount of cement used (bags) 50
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT 395 FEET 48 INCHES
472 FEET 24 INCHES 525 FEET 36 INCHES
793 FEET 36 INCHES 901 FEET 84 INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil			0	10			
shale			10	65			
sandstone			65	70			
shale			70	105			
sandstone			105	109			
shale			109	147			
sandstone			147	154			
siltstone-shale			154	200			
siltstone-calcareous			200	212			
siltstone			212	218			
shale			218	224			
siltstone-shale			224	250			
shale & limestone			250	360			
silty sandstone			360	366			
shale			366	395			
coal			395	399			
shale-siltstone			399	472			
coal			472	474			
shale			474	513			
sandstone			513	525			
coal			525	528			
shale-limestone			528	793			
coal			793	796			
shale-limestone			796	901			
coal			901	908			
shale			908	926			

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OIL & GAS DIVISION
DEPT. OF MINES

P 177



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION

DEPT. OF MINES

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

Surface Owner Mr. Walter B. Smith
Address Smithfield, WV 26437
Mineral Owner Mr. and Mrs. Rex Smith
Address Smithfield, WV 26437
Coal Owner Consolidation Coal Co., Northern West Virginia Region
Address P.O. Box 1314, Morgantown, WV 26505
Coal Operator _____
Address _____

DATE October 24, 1980
Company U.S. Department of Energy
Address P.O. Box 880, Morgantown, WV 26505
Farm Walter B. Smith Acres 15
Location (waters) Pickenpaw Run
Well No. Smith-DOE-C-4 Elevation 1051.70
District Grant County Wetzel
Quadrangle Glover Gap (7.5')

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 7-24-81.

Phil Tracy (758-4573)

Fred Buehler
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~~ research purposes having fee title thereto, (or as the case may be) under ~~grant or lease~~ cooperative agreement dated 14 June 1974 by Consolidation Coal Co. made to The U.S. of America and recorded on the Fourth day of March 19 77 in Wetzel County, Book Miscellaneous #45 Page 173

_____ 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, [Signature]
(Sign Name) _____
Well Operator

Address of Well Operator
Morgantown Energy Technology Center
Street
P.O. Box 880, Morgantown
City or Town
West Virginia 26505
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.

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

PROPOSED WORK ORDER TO xxx DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Henry Y. Hall Drilling and Dozer Services NAME J. W. Martin
 ADDRESS Glenden, WV 26626 ADDRESS P.O. Box 880, Morgantown, WV 26505
 TELEPHONE 304/364-5652 TELEPHONE 304/599-7447
 ESTIMATED DEPTH OF COMPLETED WELL: 915 feet ROTARY x CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Pittsburgh Coal
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER x

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			
<u>7</u>	200 feet	200 feet	Surface to 200 feet
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 900 feet _____
 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 Consolidation 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 Consolidation 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.

Donald L. Bess

 For Coal Company
James M. ...

 Official Title

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

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OCT 25 1982

AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Consolidation Coal Company
COAL OPERATOR OR OWNER
Northern West Virginia Region
P.O. Box 1314, Morgantown, WV 26505
ADDRESS

U.S. Department of Energy
NAME OF WELL OPERATOR
P.O. Box 880, Morgantown, WV 26505
COMPLETE ADDRESS

COAL OPERATOR OR OWNER

September 29 19 82

ADDRESS

WELL AND LOCATION

Mr. Walter B. Smith

Grant District

LEASE OR PROPERTY OWNER

Wetzel County

Smithfield, WV 26437

Well No. C-4

ADDRESS

Walter B. Smith Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert A. Lowther

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wetzel } ss:

Clark Industries, Inc. and Continental Drilling - U.S.
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by U.S. Department of Energy, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16 day of September, 19 82, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KING	CASING	
			CSS PULLED	CSS LEFT IN
912' - 868'	26' Gravel 18' Clay	44'		7" - 200'
868' - 816'	Class A Neat Cement	4 sx.		4 1/2" - 914'
816' - 55'	Common Gel			
55' - -2'	Class A Neat Cement	4 sx.		
Note: Well casing cut off 2 feet below surface				
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		Well location is referenced from monument erected on Well M-3		
(NAME)		103-0636-P		
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 16 day of September, 19 82.

And further deponents saith not.

COLLEEN L. SCHAEFFER, Notary Public

Sworn to and subscribed before me this 19 day of New Alexandria Borough, West Virginia, 19 82

Notary Public

My commission expires: May 9, 1983

Permit No. 103-1206-P

WET-1206 P