

Partial Plugging issued 6/15/72

CERTIFICATE

- 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 L. Berger, Jr. L.L.S. #248

N.B. 112 Pg. 20

COMPANY	CARL E. SMITH, INC.		
ADDRESS	Box 4 SANDYVILLE, W.VA. 25275		
FARM	G.T. SAYRE ET AL		
MAP	OV-26	ACRES 300 UNIT	LEASE NO 3260
WELL (FARM) NO.	1	SERIAL NO	
ELEVATION (SPIRIT LEVEL)	655.3'		
QUADRANGLE	RAVENSWOOD S.E.		
COUNTY	JACKSON	DISTRICT	UNION
POINT OF PROVEN ELEVATION	U.S.G.S. DATA - ROAD INTERSECTION 4,000' WEST LOCATION. EL. 623		
FILE NO		DRAWING NO	
DATE		SCALE	1" = 660'

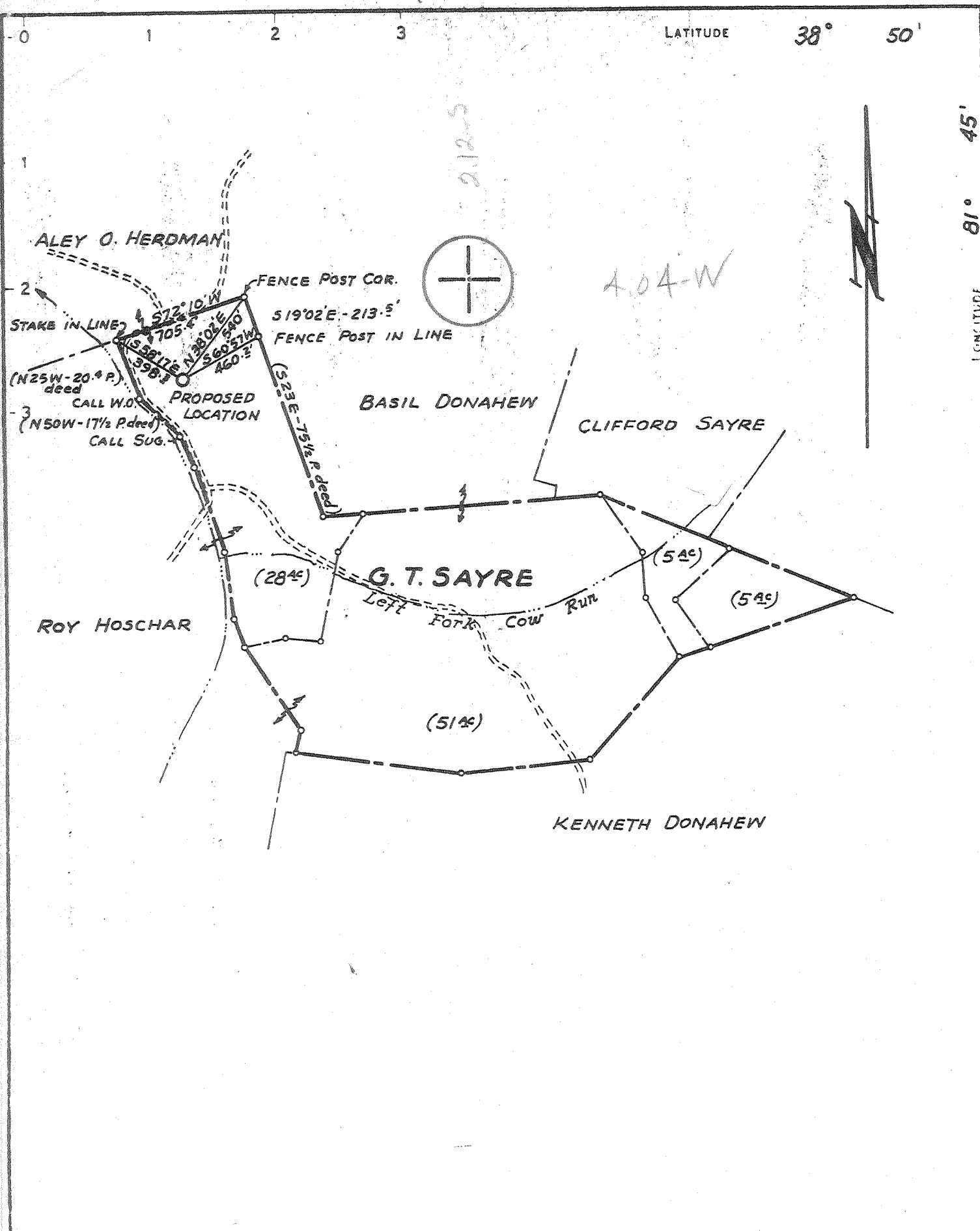
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP

FILE NO. Jac-1331-PP

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY DOTTED LINES AS SHOWN.
- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

1-1 Providence (359) Deep well

JUN 23 1972



CERTIFICATE

"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

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- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

N.B. 112 Pg. 20

COMPANY	<u>CARL E. SMITH, INC.</u>		
ADDRESS	<u>Box 4 SANDYVILLE, W.VA.</u>	<u>25275</u>	
FARM	<u>G. T. SAYRE ET AL</u>		
MAP	<u>OV-26</u>	ACRES <u>300</u>	UNIT LEASE NO <u>3260</u>
WELL (FARM) NO.	<u>1</u>	SERIAL NO	
ELEVATION (SPIRIT LEVEL)	<u>655.2'</u>		
QUADRANGLE	<u>RAVENSWOOD</u>	<u>SE.</u>	
COUNTY	<u>JACKSON</u>	DISTRICT	<u>UNION</u>
POINT OF PROVEN ELEVATION	<u>U.S.G.S. DATA - ROAD INTERSECTION 4,000' WEST LOCATION. EL. 623</u>		
FILE NO		DRAWING NO	
DATE		SCALE	<u>1" = 660'</u>

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

FILE NO. Jac-1331

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING



RECEIVED

STATE OF WEST VIRGINIA SEP 11 1972
 DEPARTMENT OF MINES
 OIL AND GAS WELLS DIVISION

Rotary
 Spudder
 Cable Tools
 Storage

Quadrangle Ravenswood S E
 Permit No. Jac 1331 PP

WELL RECORD

Oil or Gas Well Gas
 (KIND)

Company Carl E. Smith, Inc.
 Address P. O. Box 4, Sandyville, W. Va.
 Farm G. T. Sayre Acres 300 Unit
 Location (waters) Dow Run
 Well No. #1 Elev 655.2
 District Union County Jackson
 The surface of tract is owned in fee by G. T. Sayre
 Address Evans, W. Va.
 Mineral rights are owned by G. T. Sayre
 Address Evans, W. Va.
 Drilling commenced May 20, 1972
 Drilling completed June 10, 1972
 Date ~~Perf.~~ From 4503 To 4526
 With 22, 3/8 Holes
 Open Flow /10ths Water in Inch
 /10ths Merc. in Inch
 Volume 1 Million Cu. Ft.
 Rock Pressure 1750 lbs. 72 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	86	86	
9 5/8	2300	2300	Size of 5 1/2
8 1/4			
6 5/8			Depth set 5175
5 1/2	5208	5208	<i>Per P.I. card</i>
4 1/2			Perf. top 4503
3			Perf. bottom 4505
2			Perf. top 4508
Liners Used			Perf. bottom 4513

WELL ACIDIZED (DETAILS)

Attach copy of cementing record
 13 3/8 - 9 5/8
 CASING CEMENTED 5 1/2 SIZE No. Ft. June 7, 1972
 Amount of cement used (bags) 300 sks. 3/8 use 90 sack, 9 5/8
 Name of Service Co. Halliburton
 COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES
 FEET INCHES

WELL FRACTURED (DETAILS) Fluid 500 gals. MCA 15% Acid, 12,000 My-T-Frac Gel, 10 gals. Moreflo, 55 Sacks 20/40 Sand

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1 Million (Before 200,000 Cu. Ft.) 1,000 McF

ROCK PRESSURE AFTER TREATMENT 1750 HOURS 72

Fresh Water Feet Salt Water Feet

Producing Sand Oriskany Depth 4503' and 4526'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	74			
Sand & Sh.			74	525			
Sand			525	1450			
Sand & Sh.			1450	1536			
Big Lime	<i>Big Lime</i>		1536	1600			
Lime			1600	1740			
Injun Sand			1740	1820			
Sand			1820	1905			
Sand & Sh.			1905	1955			
Sand			1955	2090			
Shale			2090	2145			
Sand			2145	2252			
Berea			2252	2262			
Shale			2262	4418			
Lime <i>Onondaga</i>			4418	4503			
Oriskany			4503	4528			
Limestone	<i>Held., Salina, + Newburg</i>	*	4528	5205			Show
Sand & Sh. <i>McKenzie</i>			5205	5360	<i>Newburg</i>	<i>5187-94</i>	* PP back to 4580
				<i>T.D. 545</i>	<i>McKenzie</i>		

(over)

SEP 25 1972



RECEIVED

JUN 19 1972

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

- Rotary
- Spudder
- Cable Tools
- Storage

Oil or Gas Well (KIND)

WELL RECORD

Tract No. 1331

Tract No. 1331

Owner: Carl E. Smith, Inc.
 Address: P. O. Box 4, Sandyville, W. Va.
 County: Jackson
 Acres: 300 Unit
 Elevation: 655.2
 Date started: May 20, 1972
 Date completed: June 10, 1972

Casing and Tubing	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13 3/8	9200	80	Size of <u>1 1/2</u>
9 5/8	2200	2300	Depth set <u>5175</u>
8 1/4			
6 3/4			
5 3/4	5210	5208	
4 1/2			
3			Perf. top
2			Perf. bottom

Flow: 10ths Water in Inch
 Pressure: 10ths Merc. in Inch
 Attach copy of cementing record. May 20, 1972
 CASING CEMENTED 5 1/2 SIZE June 7, 1972 Date
 Amount of cement used (bags) 300 bags, 5 1/2 275 lbs. each, 5 1/2 lbs.
 Name of Service Co. Halliburton
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

ULT AFTER TREATMENT (Initial open Flow or bbls.) _____ HOURS
 K PRESSURE AFTER TREATMENT _____ HOURS
 Water _____ Feet Salt Water _____ Feet
 Producing Sand Lry Newburg Depth 5300'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
ly			0	74			
nd & Sh.			74	525			
nd			525	1450			
nd & Sh.			1450	1536			
Big Line			1536	1600			
			1600	1740			
Injun Sand			1740	1820			
nd			1820	1905			
nd & Sh.			1905	1955			
nd			1955	2090			
le			2090	2145			
nd			2145	2252			
Berea			2252	2262			
le			2262	4392			
Lime - Onondaga			4392	4483			
Oriskany			4483	4502			
estone - Held + Salina			4502	5205			
Newburg			5205	SAND			
sand & Sh.			5205	5360			

mckenzie T.D.
545

4392
667
3725

Show
PP back to 4580
to fracture
Oriskany

(over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

MAR 29 1972

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 24, 1972

Surface Owner G. T. Sayre et al
Address Route # 2, Sandyville, W. Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator None
Address _____

Company Carl E. Smith, Inc.
Address Box 4, Sandyville, W. Va.
Farm G. T. Sayre et al Acres 300 Unit
Location (waters) Cow Run
Well No. 1 Elevation 655.2
District Union County Jackson
Quadrangle Ravenswood S.E.

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 July 29, 1972

INSPECTOR TO BE NOTIFIED Mr. Fred Burdett
Box 190
Sissonville, W. Va. PH: 984-9263
25185

Richard L. Powell
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 May 10 1969 by G. T. and Cord Sayre et ux made to Commonwealth Gas Corp. and recorded on the 17th day of June 1969 in Jackson County, Book 100 Page 389

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, Carl E. Smith, Inc.
(Sign Name) BY Original Signed by
Well Operator Carl Smith

Address of Well Operator _____
P. O. Box 4 _____
Street _____
Sandyville _____
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.

JAC-1331

PERMIT NUMBER

Smith

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 Carl E. Smith, Inc. NAME Carl E. Smith, Inc.
 ADDRESS Sandyville, W. Va. ADDRESS Sandyville, W. Va.
 TELEPHONE 273-4261 TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: 5270' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg
 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	150 Bags	160'	160'
9 - 5/8	450 Bags	2025'	2025'
8 - 5/8			
7	100 Bags	5220'	5220'
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
LINERS			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS --
 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

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

RECEIVED

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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.

COAL OPERATOR OR OWNER	Carl E. Smith, Inc.
ADDRESS	P.O. Box 4, Sandyville, W.Va. 25277
COAL OPERATOR OR OWNER	June 10 19 72
ADDRESS	Union District
LEASE OR PROPERTY OWNER	Jackson County
ADDRESS	Well No. 1
	G. T. Sayre, etals. Farm

STATE INSPECTOR SUPERVISING PLUGGING... Fred B. Burdette, Sissonville, W.Va.

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Jackson } ss:

Harry T. Hickman and Paul W. Poole 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 Carl E. Smith, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6 day of July, 19 72, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION		SIZE & KIND		
Filled from		(100 ft.)		
5360 to 5260	Cement			
5260 to 4680	Red Clay			
4680 to 4551	Tamped Stone & Cement			
(5 1/2" pipe set at 5176' cement with 275 sks. cement set in 83/4" hole)				
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 7 day of July, 19 72.

And further deponents saith not.

Sworn to and subscribed before me this 15 day of July, 19 72

Harry T. Hickman
Paul W. Poole
Doris Co

My commission expires:
Feb. 26, 1973

Notary Public.
Permit No. JAC-1331-PP

SEP 25 1972