

**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.

Signed *William S. Shady* L.L.S. No. 116

N.B. No. III, Pg. 52

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT - 7-31-72

COMPANY	CARL E. SMITH INCORPORATED		
ADDRESS	P.O. Box 4, SANDYVILLE, W.VA. 25275		
FARM	MINERVA HARDMAN		
MAP	ACRES	LEASE NO.	
	317.65	73	
WELL (FARM) NO.	ONE	SERIAL NO.	
		73	
ELEVATION (SPIRIT LEVEL)	690.66'		
QUADRANGLE	ELIZABETH NW. C		
COUNTY	WOOD	DISTRICT	CLAY
POINT OF PROVEN ELEVATION	U.S.C. & G.S. DATUM - INTERSECTION		
	of FALLS RUN ROAD WITH W.VA. SEC. ROAD No. 47		
FILE NO.	DRAWING NO.		
DATE	SCALE		
JULY 1, 1972	1" = 1320'		

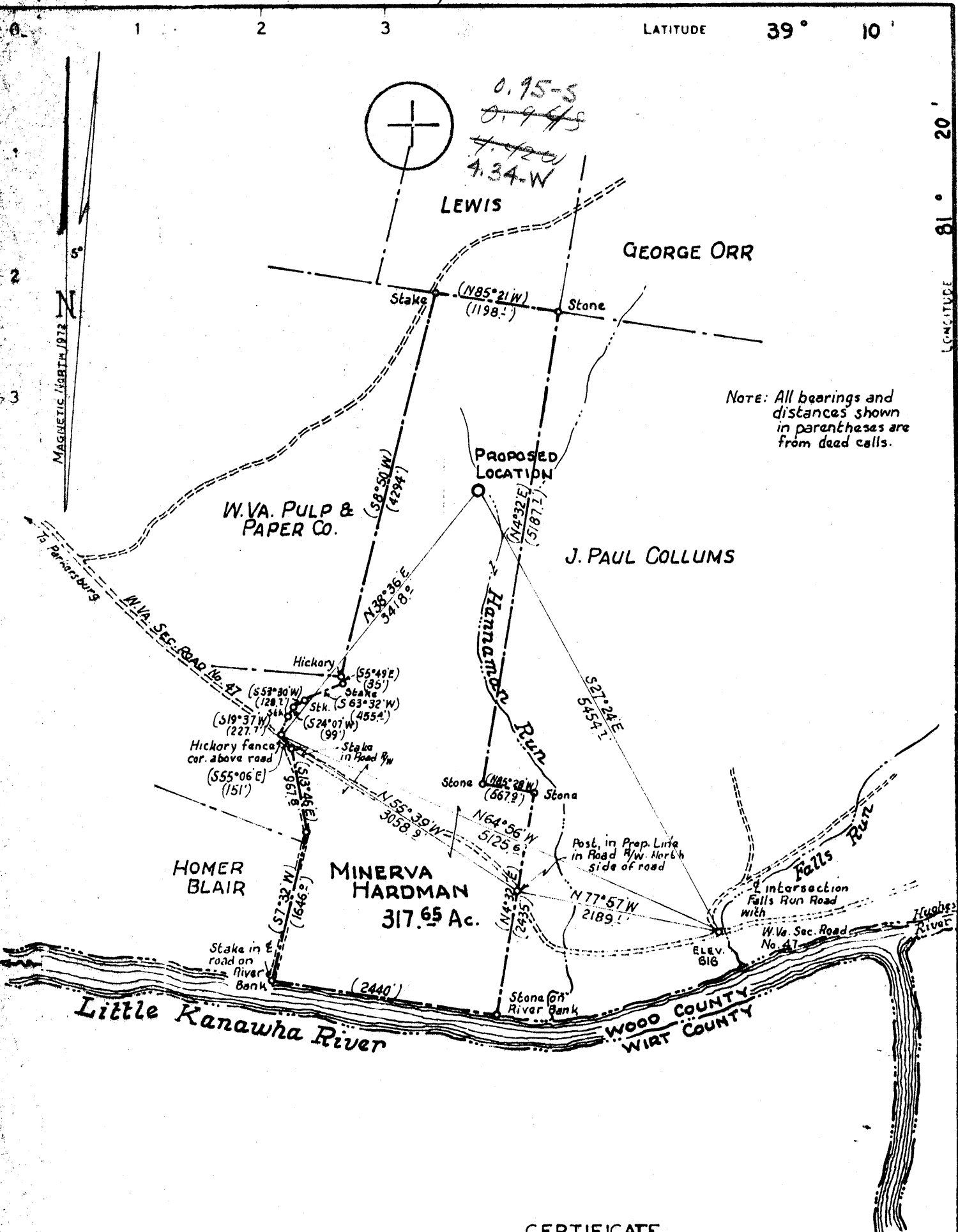
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE No. <u>W00-603-P</u>
+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

1-0

Deep Well

AUG 10 1972

AUG 10 1972



Note: All bearings and distances shown in parentheses are from dead calls.

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 Minimum degree of accuracy is one part in 200

Signed *William S. Shaddy* L.L.S. No. 116

N.B. No. 111, Pg. 52

COMPANY **CARL E. SMITH INCORPORATED**  
 ADDRESS **P.O. Box 4 SANDYVILLE, W.VA. 25275**  
 FARM **MINERVA HARDMAN**  
 MAP \_\_\_\_\_ ACRES **317.65** LEASE NO \_\_\_\_\_  
 WELL (FARM) NO **ONE** SERIAL NO **73**  
 ELEVATION (SPIRIT LEVEL) **690.66**  
 QUADRANGLE **ELIZABETH NW. C**  
 COUNTY **WOOD** DISTRICT **CLAY**  
 POINT OF PROVEN ELEVATION **U.S. C. & G.S. DATUM - INTERSECTION**  
**& FALLS RUN ROAD WITH W.VA. SEC. ROAD No. 47**  
 W.D. NO \_\_\_\_\_ DRAWING NO \_\_\_\_\_  
 DATE **JULY 1, 1972** SCALE **1" = 1320'**

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO **W00-603**

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

1-0

Deep Well (Newburg) JUL 17 1972



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

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Elizabeth N. W.  
Permit No. Woo-603

WELL RECORD

Oil or Gas Well Dry (KIND)

Company Carl E. Smith, Inc.  
Address P. O. Box 4, Sandyville, W. Va.  
Farm Minerva Hardman Acres 317.65  
Location (waters) Little Kanawha River  
Well No. #1 Elev. 690.66  
District Clay County Wood  
The surface of tract is owned in fee by Minerva Hardman  
Address Rt. 1, Walker, W. Va.  
Mineral rights are owned by Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	86	86	Size of
10			Depth set
<del>8 5/8</del>	2329	2329	Perf. top
6%			Perf. bottom
5 3/16			Perf. top
4 1/2			Perf. bottom
3			
2			
Liners Used			

Drilling commenced July 10, 1972  
Drilling completed July 30, 1972  
Date Shot From To  
With  
Open Flow /10ths Water in Inch  
Dry /10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil bbls., 1st 24 hrs.

Attach copy of cementing record. 8 5/8 July 25-72  
CASING CEMENTED SIZE 13 3/8 No. Ft. July 12-72 Date  
Amount of cement used (bags) 80 sks., 300 sks.  
Name of Service Co. Dowell  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS)  
RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT HOURS  
Fresh Water Feet  
Producing Sand Dry Salt Water Feet  
Depth 6358' T.D.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	74			
Shale			74	168			
Shale (Gray-Red)			168	450			
Shale			450	990			
Sand			990	1020			
Shale			1020	1150			
Shale & Red Rock			1150	1260			
Shale			1260	1593			
Shale & Red Rock			1593	1660			
sd. Maxion			1660	1730			
Sand			1730	1865			
Lime & Sd.			1865	1885			
Shale			1885	1905			
Sand - <i>Argon?</i>			1905	1950			
Sand			1950	1955			
Shale & Sd.			1955	2245			
Green			2245	2249			
Shale & Sd.			2249	2316			
Shale			2316	5170			
Lime - Onondaga + Oriskany + Held			5170	5510			
Sand			5510	6358			
							Oriskany 5340 - Newburg near T.D. at 6140 -? McKenzie at T.D.

(545)

(over)

AUG 14 1972



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUL 5 1972

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Minerva Hardman  
Address Route No. 1, Walker, W. Va.  
Mineral Owner Same  
Address Same  
Coal Owner Same  
Address Same  
Coal Operator -  
Address -

DATE July 5, 1972  
Company Carl E. Smith, Inc.  
Address Box 4, Sandyville, W. Va.  
Farm Minerva Hardman Acres 317.65  
Location (waters) Little Kanawha River  
Well No. One (Serial #73) Elevation 690.66  
District Clay County Wood  
Quadrangle Elizabeth N.W.

INSPECTOR TO BE NOTIFIED Mr. Olen Jones  
Box 134  
Peytona, W. Va. PH: Drushton  
36-5469  
25154

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 November 5, 1972

Robert L. Todd  
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 November 7, 19 70 by Minerva Hardman, Widow, made to Carl E. Smith, Inc. and recorded on the 9th day of November, 19 70, in Jackson County, Book 580 Page 498.

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) Paul W. Jones  
Well Operator  
P. O. Box 4  
Street  
Sandyville  
City or Town  
West Virginia  
State

Address  
of  
Well Operator

\*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

WOO-603

PERMIT NUMBER

*Signature*

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

PROPOSED WORK ORDER TO  DRILL  DEEPEN  FRACTURE-STIMULATE  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Carl E. Smith, Inc. NAME Carl E. Smith  
 ADDRESS Box 4, Sandyville, W. Va. ADDRESS Box 4, Sandyville, W. Va.  
 TELEPHONE 273-4261 TELEPHONE 273-4261  
 ESTIMATED DEPTH OF COMPLETED WELL: 6,000' ROTARY  CABLE TOOLS   
 PROPOSED GEOLOGICAL FORMATION: Newburg  
 TYPE OF WELL: OIL  GAS  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	<b>250</b>	<b>150</b>	<b>200</b>
9 - 5/8	<b>1,950</b>	<b>1,950</b>	<b>450</b>
8 - 5/8			
7	<b>3,900</b>	<b>3,900</b>	<b>100</b>
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

RECEIVED

AUG 22 1972

FORM OG-8

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

OIL & GAS DIVISION  
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

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.

None	Carl E. Smith, Inc.
COAL OPERATOR OR OWNER	NAME OF WELL OPERATOR
-----	-----
ADDRESS	P. O. Box 4, Sandyville, W. Va.
-----	COMPLETE ADDRESS
None	August 16 19 72
COAL OPERATOR OR OWNER	WELL AND LOCATION
-----	-----
ADDRESS	Clay District
-----	-----
Minerva Hardman	Wood County
LEASE OR PROPERTY OWNER	-----
-----	-----
Leachtown, West Virginia	Well No. #1
ADDRESS	-----
-----	-----
-----	Minerva Hardman Farm

STATE INSPECTOR SUPERVISING PLUGGING.....Fred Burdette, Sissonville, W. Va. 25185.....

AFFIDAVIT

STATE OF WEST VIRGINIA, }  
County of Jackson } ss:

Harry T. Hickman and Bob Morrill  
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 30th day of July, 19 72, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CGG PULLED	CGG LEFT IN
6358' to 5270'	Gel			
5270' to 5170'	Cement Plug			
5170' to 2364'	Gel			
2364' to 2264'	Cement	100'	952'	1362'
2264' to 50'	Gel			
50' to Surface	Cement			
Set 20' of 7" to give 3' Monument above Surface				
COAL SEAMS			DESCRIPTION OF MONUMENT	
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 31st day of July, 19 72.

And further deponents saith not.

Sworn to and subscribed before me this 16 day of August, 19 72.

My commission expires:  
August 6, 1980

Harry T. Hickman  
Bob Morrill  
Notary Public.  
Permit No. W-603 P

SEP 8 1972