

**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 300

Signed Frank H. Barker LS#209

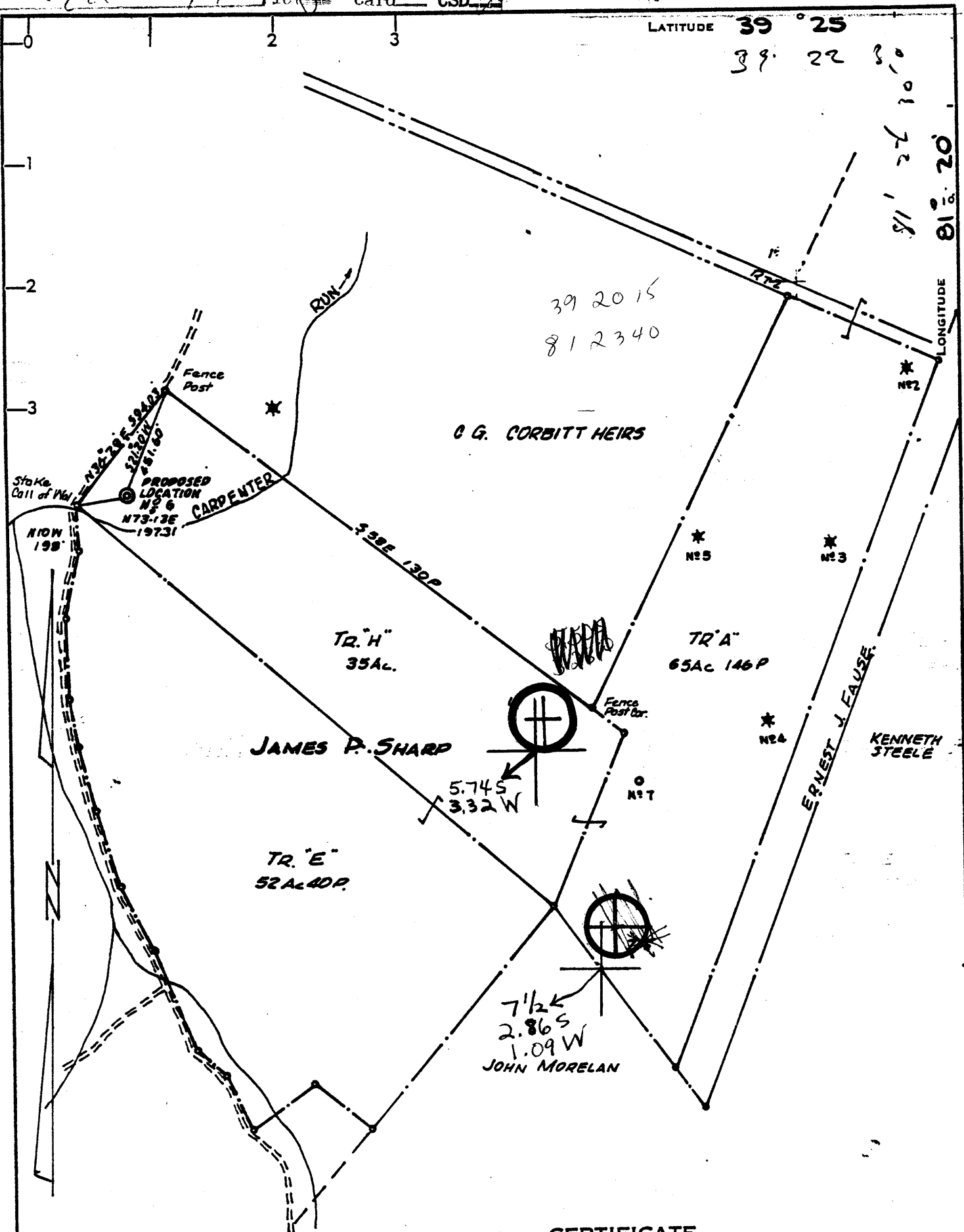
- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY H. P. Wells Oil & Gas Inc.  
 ADDRESS P.O. Box 1785 CHAS, W.VA.  
 FARM JAMES P SHARP  
 MAP \_\_\_\_\_ ACRES 134 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. 6 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 623.90  
 QUADRANGLE MARIETTA Valley Mills 7 1/2  
 COUNTY WOOD DISTRICT UNION  
 POINT OF PROVEN ELEVATION Road Intersection El. 620  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE AUG 11, 1980 SCALE 1" = 500 FT.

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. 47-107-1130-P

+ 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.  
 MAY 7 1984  
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

*Custom 3000'*



**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

*Frank H. Barber LS#289*

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY H. D. Wells Oil & Gas Inc.  
 ADDRESS P.O. Box 1785 CHAS, W. VA.  
 FARM JAMES P. SHARP  
 MAP \_\_\_\_\_ ACRES 134 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. 6 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 623.90  
 QUADRANGLE MARIETTA DISTRICT UNION  
 COUNTY WOOD DISTRICT UNION  
 POINT OF PROVEN ELEVATION Road Intersection E.I. 620  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE AUG 11, 1980 SCALE 1" = 500 FT.

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

**WELL LOCATION MAP**

FILE NO. 47-107-1130

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

*Gasdon 2000'*  
*6-6 Waverly (71)*

FEB 13 1981



RECEIVED

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

MAR 23 1981

Oil and Gas Division  
DEPT. OF MINES

WELL RECORD

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

Quadrangle Marrietta

Permit No. 47-107=1130

Company <u>H.D. Wells Oil &amp; Gas Exp. &amp; Dev. Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 1785 Charleston, W. Va.</u>	Size			
Farm <u>James Sharp</u> Acres <u>134</u>	20-16			
Location (waters) <u>Carpenter Run</u>	Cond.			
Well No. <u># 6</u> Elev. <u>623.90</u>	13-10"			
District <u>Union</u> County <u>Wood</u>	9 5/8			
The surface of tract is owned in fee by <u>Same</u>	8 5/8		300	To surface
Address _____	7			
Mineral rights are owned by <u>Same</u>	5 1/2			
Address _____	4 1/2		2450	1,000 ft. fill up
Drilling Commenced <u>1-19-81</u>	3			
Drilling Completed <u>1-23-81</u>	2			
Initial open flow <u>-----</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>150,000</u> cu. ft. per day <u>(5)</u> bbls.				
Well open <u>8</u> hrs. before test <u>650</u> RP.				

Well treatment details:

Attach copy of cementing record.

Water Frac 650 Bbls of treated water 55,000 lbs 20/40 Sand  
185,000 standard cu ft. of Nitrogen 500 gal 15% Acid  
Perf. 20 holes .49 2310= 2330

Coal was encountered at none Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 40 Feet \_\_\_\_\_ Salt Water 1,000 Feet \_\_\_\_\_  
Producing Sand Gordon Depth 2310-2330

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	R	H	0	20		
Sand	S	S	20	80		
Red Rock	R	S	80	295		
Slate	B	S	295	325		
Red Rock		S	325	400		
Shale and Slate		H	400	420		
Shells	w	H	420	600		
Red Rock	R	H	600	985		
Sand	W	H	985	1120		
Slate	W	S	1120	1380		
Shells	B	H	1380	1468		
Big Injun		H	1468	1588		
Lime	B	H	1588	1610		
Slate	W	S	1610	1880		
Shale	B	S	1880	1952		
Berea	G	H	1952	1968		
Shale	G	H	1968	2310		
Gordon	G	S	2310	2335	Show of Gas	
Shale	D	S	2335	2450	Total Depth	

(over)

\* Indicates Electric Log tops in the remarks section.

APR 07 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

**RECEIVED**

JAN 16 1981

**Oil and Gas Division**

OIL & GAS DIVISION  
DEPT. OF MINES

**OIL AND GAS WELL PERMIT APPLICATION**

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE January 12, 1981

Surface Owner James Sharp  
Address Waverly, WV

Company H. D. Wells Oil & Gas Exp'l & Devel  
Address P. O. Box 1785, Charleston, WV 25326

Mineral Owner Same as surface owner  
Address Same as Surface Owner

Farm James Sharp Acres 134  
Location (waters) Carpenter Run

Well No. 6 Elevation 623.90'

District Union County Wood

Quadrangle Marietta

Operator N/A

Address \_\_\_\_\_

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 9-20-81

INSPECTOR TO BE NOTIFIED K. Paul Goodnight

ADDRESS Smithville, WV 26178

PHONE 477-3660

*[Signature]*  
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 October 17 1980 by Quaker State Oil Co. made to H.D.Wells Oil & Gas and recorded on the 17 day of October 1980, in Wood County, Book 745 Page 367

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:

Very truly yours,  
(Sign Name) *[Signature]*  
Well Operator

OFFICE OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia  
Area Code 304 -348-3092 348-3096

Address of Well Operator  
P. O. Box 1785 Street  
Charleston City or Town  
WV 25326 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**

47-107-1130 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 *[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 Clint Hurt and Associates \_\_\_\_\_ NAME H. D. Wells \_\_\_\_\_  
 ADDRESS Edens Fork, Charleston, WV \_\_\_\_\_ ADDRESS P.O.Box 1785, Charleston, WV 25326 \_\_\_\_\_  
 TELEPHONE 344-2401 \_\_\_\_\_ TELEPHONE 304-346-2829 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 3,000' \_\_\_\_\_ ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Gordon \_\_\_\_\_  
 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			
9 - 5/8			
8 - 5/8 K-55, 24#/ft	300	300	Cement to surface
7			
5 1/2			
4 1/2 K-55, 10.5#/ft	3,000	3,000	150 Sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET \_\_\_\_\_ SALT WATER 1,300 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS None expected \_\_\_\_\_  
 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 24 1984

AFFIDAVIT OF PLUGGING AND FILLING WELL OIL & GAS DIVISION

AFFIDAVIT SHOULD BE MADE IN TRIPLICATED, one copy mailed to the Department of Mines 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  
 Coal Operator or Owner

Address

Coal Operator or Owner

Address

James P. Sharp  
 Lease or Property Owner

Rt. 1, Waverly, WV 26184  
 Address

H. D. Wells Oil & Gas Exploration & Dev., Inc.  
 Name of Well Operator

P.O. Box 1785, Charleston, WV 25326  
 Complete Address

Sharp #6 19 84

WELL AND LOCATION

Union District

Wood County

WELL NO. 47-107-1130

STATE INSPECTOR SUPERVISING PLUGGING Glenn Roberts Farm

AFFIDAVIT

STATE OF WEST VIRGINIA,  
 County of Kanawha ss:

H. D. Wells, III and William Shreve

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 H. D. Wells Oil & Gas, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of May, 19 84, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
<u>Coal seam to Surface</u>	<u>Cement Plug</u> <u>43 Sacks</u>		<u>4 1/2"</u>	<u>1000 feet</u> <u>of 4 1/2" left</u> <u>in well</u>
<u>2300 to 2200</u>	<u>See Howell Ticket #0132-1191</u>			
<u>2200 to 1400</u>	<u>6 SKL 166L Shurry</u>	<u>Cement Plugs</u>		
<u>1400 to 1300</u>	<u>21.6 SKS 4 BBL Shurry</u>	<u>Set 200' or</u>	<u>1000 feet of</u>	
<u>1300 to 375'</u>	<u>55 BBL mud Gel 6%</u>	<u>Bottom back to</u>	<u>4 1/2" pulled</u>	
<u>375 to 275'</u>	<u>22 SKS 4.5 BBL Shurry</u>	<u>2200'</u>		
<u>275 to 50</u>	<u>14 BBL mud Gel 6%</u>	<u>1400 - 1300</u>		
<u>50' to Surface</u> <u>Pressure limit 1000</u>	<u>13 SKS 2.3" BBL</u>			
	<u>total SACKS 85 at 1.56 yield Density 13.3</u>			
<u>Coal Seams None</u>	<u>59/50 1100# 8% Gel</u>			
	<u>3% catz 1600# mud Gel</u>	<u>Description of Monument</u>		
(Name)		<u>well TAG AT</u>		
(Name)		<u>top of cemented casing</u>		
(Name)		<u>Approved by STATE</u>		
(Name)		<u>TASP.</u>		

and that the work of plugging and filling said well was completed on the 16th day of May, 19 84.  
 And further deponents saith not.

Sworn to and subscribed before me this 23 day of August, 19 84.  
William Shreve  
 Notary Public

My commission expires:  
Sept. 22, 1991

Permit No. 107-1130