

- Fracture...
- Redrill...
- New Location
- Drill Deeper
- Abandonment

Source of Elevation Borg-Warner Corp. Concrete Mon. No. 1
 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 accuracy, one part in 200

Company G.E. Plastics
 Address PO Box 68, Washington, W.V. 26181
 Farm Borg-Warner Corp.
 Tract _____ Acres 75.73 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 635.4
 Quadrangle Little Hocking 7 1/2' Series
 County Wood District Lubeck
 Surveyor or Engineer Curdon S. Marshall LLS
 Surveyor's or Engineer's Registration No. 3
 File No. _____ Drawing No. _____
 Date May 4, 1976 Scale 1" = 400'

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

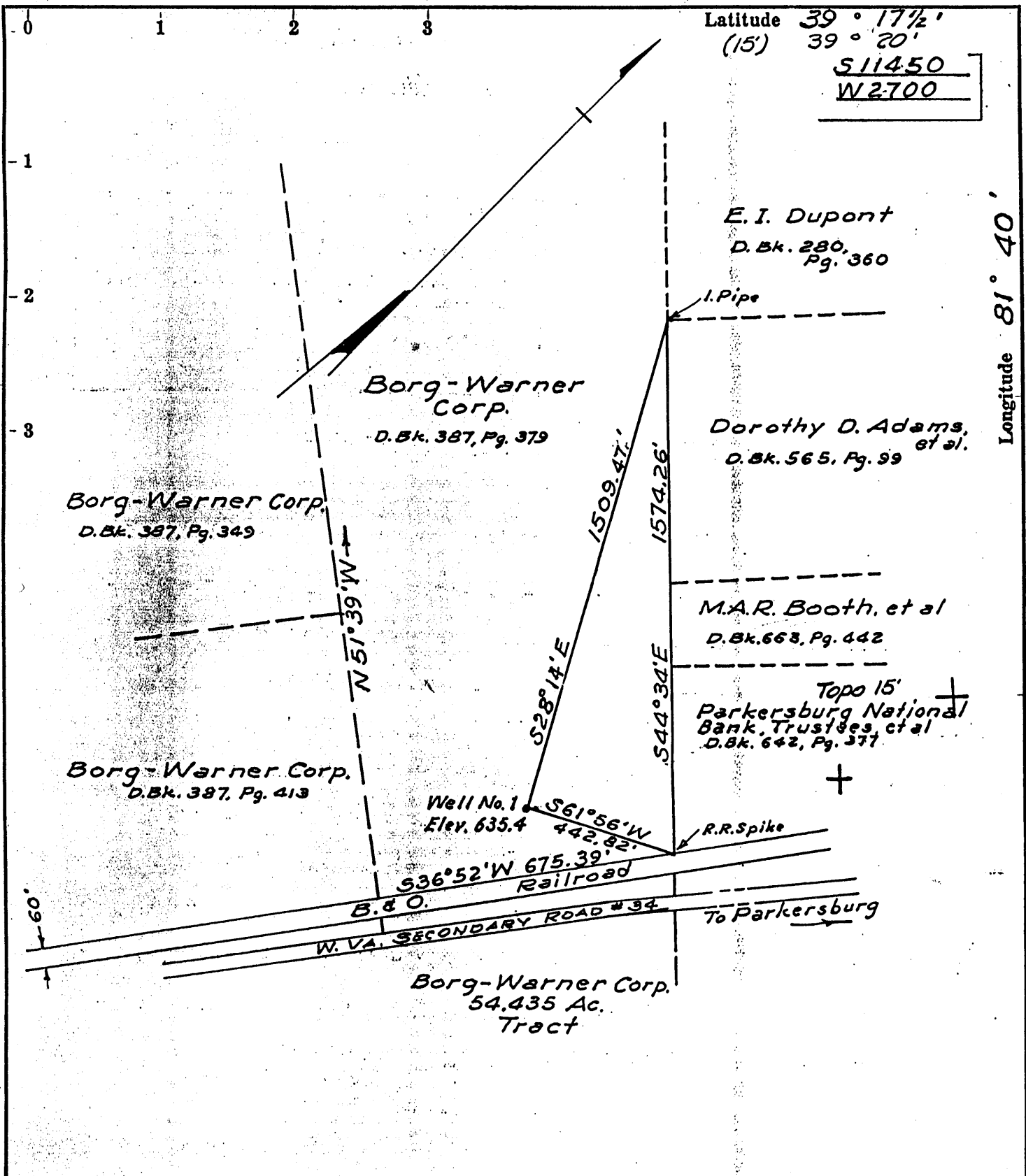
WELL LOCATION MAP
API Well No. 47-107-0752-P
Parkersburg SW = 15'

+ 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.

DEC 14 1992

Wood - 75a - Fracture



- Fracture....
- Redrill.....
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- Abandonment

Source of Elevation Borg-Warner Corp. Concrete Mon. No. 1
Elev. 644.337.

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 accuracy, one part in 200

Company BORG-WARNER CORP. 0105
 Address PO Bx 1868 Parkersburg, WV 26101
Woodmar Plant, Washington, W.Va.

Farm Borg-Warner Corp.

Tract _____ Acres 75.73 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 635.4

Quadrangle Little Hocking 7 1/2' Series

County Wood District Lubeck

Surveyor or Engineer Arden S. Marshall LLS

Surveyor's or Engineer's Registration No. 3

File No. _____ Drawing No. _____

Date May 4, 1976 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. W00 752 - Frac
FRAC CANCELLED

+ 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.

47-107

JUN 16 1989

4200 Oriskany

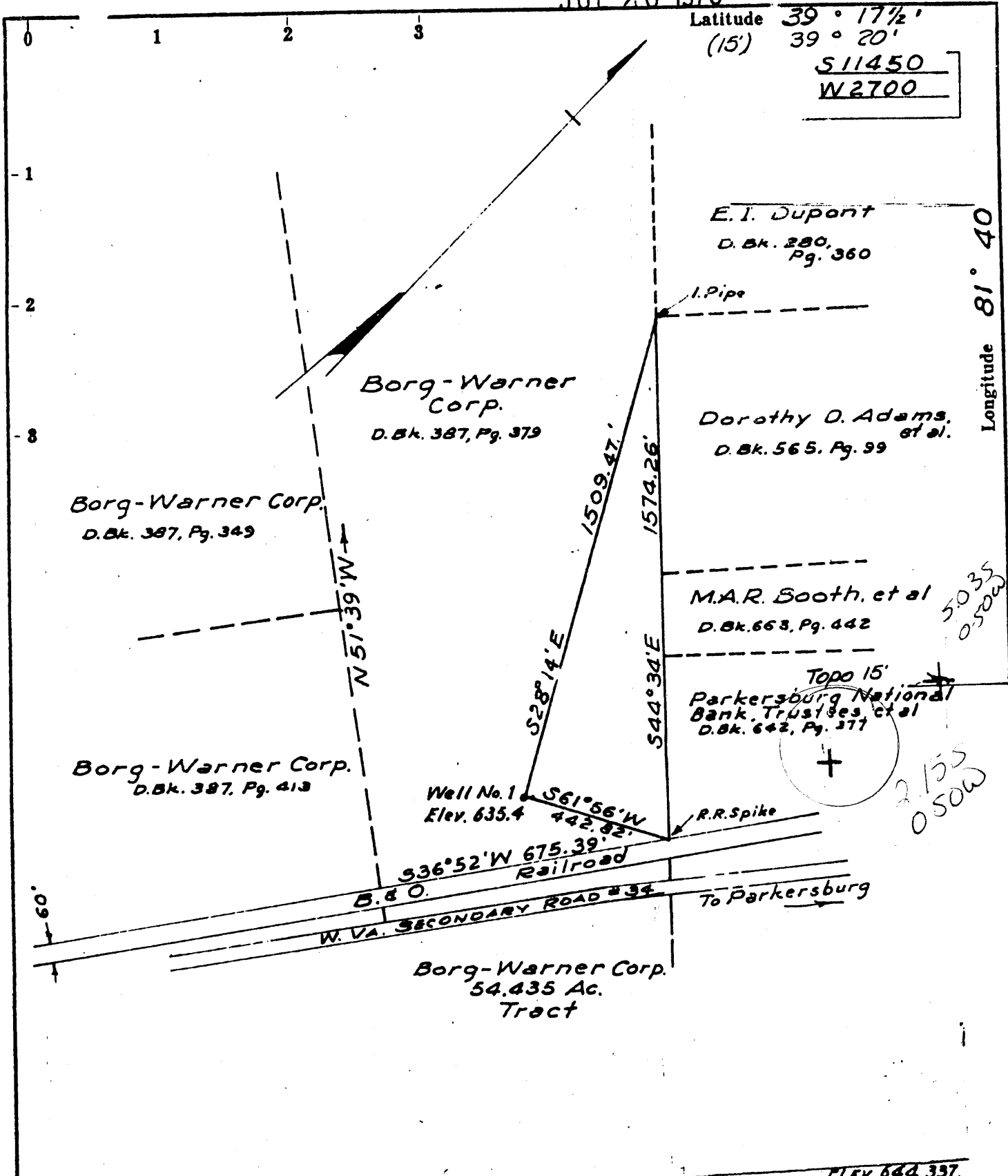
Wood - 752 - Frac

JUL 20 1976

Latitude $39^{\circ} 17\frac{1}{2}'$
(15') $39^{\circ} 20'$

S11450
W2700

Longitude $81^{\circ} 40'$



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- Redrill.....
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Source of Elevation Borg-Warner Corp. Concrete Mon. No. 1

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Minimum accuracy, one part in 200

Company BORG-WARNER CORP. 105
 Address PO Bx 1868 Parkersburg, WV 26101
Woodmar Plant, Washington, W.Va.

Farm Borg-Warner Corp.

Tract _____ Acres 75.73 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 635.4

Quadrangle Little Hocking 17 1/2 Series 433 Ohio-985-15

County Wood District Lubeck 3

Surveyor or Engineer Carlton J. Marshall LLS

Surveyor's or Engineer's Registration No. 3

File No. _____ Drawing No. _____

Date May 4, 1976 Scale 1" = 400'

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

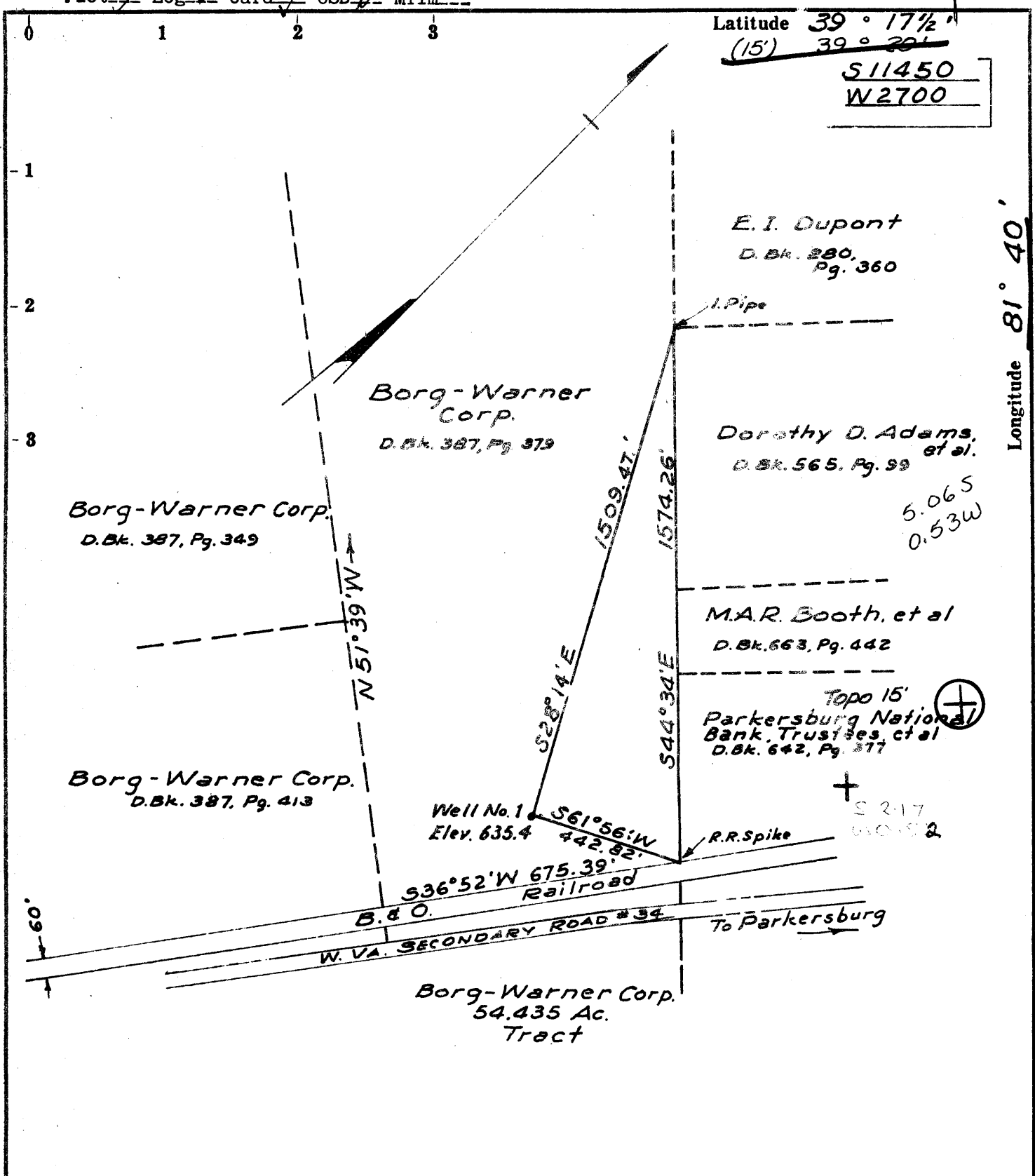
WELL LOCATION MAP

FILE NO. W00 752-F

+ 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 ~~map~~ border line of original tracing.

DEC 8 1986
47-107



- Fracture....
- Redrill....
- New Location
- Drill Deeper
- Abandonment

Source of Elevation Borg-Warner Corp. Concrete Mon. No. 1
 Elev. 644.337.

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 accuracy, one part in 200

Company BORG-WARNER CORP.
 Address PO Bx 1868 Parkersburg, WV 26101
Woodmar Plant, Washington, W.Va.

Farm Borg-Warner Corp.

Tract _____ Acres 75.73 Lease No. _____

Well (Farm) No. 1 Serial No. 5W

Elevation (Spirit Level) 635.4 Parkersburg 15'

Quadrangle Little Hocking 7 1/2' Series

County Wood District Lubeck

Surveyor or Engineer Arden S. Marshall LLS

Surveyor's or Engineer's Registration No. 3

File No. _____ Drawing No. _____

Date May 4, 1976 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. W00 752

+ 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.

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47-107

42 Deep well 6-6 WASHINGTON BOTTOM 357

JUL 20 1976 357



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Little Hocking

Permit No. WOO 752

CONFIDENTIAL

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Borg Warner Corporation
Address P.O. Box 1868, Parkersburg, WV
Farm Borg Warner Corporation Acres 75.73
Location (waters) Ohio River
Well No. One Elev. 635.4
District Lubeck County Wood
The surface of tract is owned in fee by _____
Borg Warner Corporation
Address P.O. Box 1868, Parkersburg, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 8-9-76
Drilling Completed 8-17-76
Initial open flow 500 m cu. ft. _____ bbls.
Final production 500 m cu. ft. per day _____ bbls.
Well open 2 hrs. before test 1600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	123.5	123.5	100 sx(circulated)
9 5/8			
8 5/8	1925'	1925'	550 sx(circulated)
7			
5 1/2	4125'	4125'	20 sx
4 1/2			
3			
2 3/8	4077	4077	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well natural: washed formation with 1000 gal 15% Hcl Acid.

Coal was encountered at No coal Feet _____ Inches _____
Fresh water 15' Feet _____ Salt Water _____ Feet 1385'
Producing Sand Oriskany Depth 4128 (G.L.)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
River gravel			0	110		
Sand			110	140		Fresh water @ 15'
Red Rock			140	215		
Sand-Shale			215	283		
Shale			283	710		
Sand Shale			710	1160		
Sand			1160	1265		
Sandy Shale			1265	1325		
Injun Sand			1325	1515		
Sand-Shale			1515	3075		Salt water 1385' (Hole full)
Sand			3075	3145		
Shale			3145	4045		
Lime			4045	4136		
<u>Sand</u> ORISKANY			4136	4140		Gas 4137'
				TD 4140 KB		
						4128 635 -3493
						4045 635 -3410

(over)

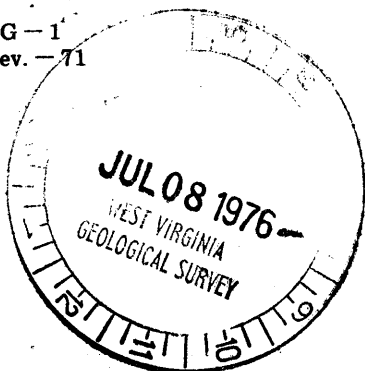
* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAY 26 1976



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 24, 1976

Surface Owner Borg Warner Corporation

Company Borg Warner Corporation

Address P.O. Box 1868, Parkersburg, W. Va. 26101

Address P.O. Box 1868, Parkersburg, W. Va. 26101

Mineral Owner Same

Farm Borg Warner Corporation acres 75.73

Address _____

Location (waters) Ohio River

Coal Owner None

Well No. One Elevation 635.4

Address _____

District Lubeck County Wood

Coal Operator _____

Quadrangle Little Hocking 7 1/2

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 11-7-76.

Paul Goodnight

INSPECTOR TO BE NOTIFIED _____

PH: 477-2455 ADDRESS Smithville, W. Va.

Robert H. Coan
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 March 30, 1976 by Camden Sims et al made to Borg Warner Corporation and recorded on the _____ day of _____ 19____, in Wood County, Book 387 Page 379

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, Borg Warner Corporation

(Sign Name) Arthur P. Sandy
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Address
of
Well Operator

P. O. Box 1868

Street

Parkersburg

City or Town

W. Va.

State

BOND DRILL

*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.

"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: Arthur P. Sandy

WOOD-752

PERMIT NUMBER

47-107

**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 _____ NAME **Arthur Sandy** _____
 ADDRESS _____ ADDRESS **P. O. Box 1868, Parkersburg, W. Va.** _____
 TELEPHONE _____ TELEPHONE **485-1771** _____
 ESTIMATED DEPTH OF COMPLETED WELL: **4200** _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: **Oriskany** _____
 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	150	150	Surface
8 - 5/8			
7	1877	1877	500' to 1377'
5 1/2			
4 1/2	4107	4107	500' to 3807'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS **40** FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS **None** _____
 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

FORM WW-2 (B) FILE COPY
 (Obv) 7/ RECEIVED
 NOV 26 1986



1) Date: September 15, 1986
 2) Operator's Well No. Borg-Warner # 1
 3) API Well No. 47-107-0752-F
 State _____ County W Permit _____

STATE OF WEST VIRGINIA
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 635.4 Watershed: Ohio River
 District: Lubeck 105 3 County: Wood 107 Quadrangle: Little Hocking 437
- 6) WELL OPERATOR BORG-WARNER CORP CODE: 6500 7) DESIGNATED AGENT Arthur Sandy
 Address P O Box 1868 Address P O Box 1868
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Glen P. Robinson Name _____
 Address Rt 1, #6 Mt Pleasant Est Address _____
Mineral Wells, WV 26150
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate XX /
 Plug off old formation _____ / Perforate new formation XX /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany, Gordon, Berea 475
- 12) Estimated depth of completed well, 4140 feet
 13) Approximate trata depths: Fresh, 15 feet; salt, 1385 feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>11 3/4</u>		<u>42</u>	<u>XX</u>		<u>123.5</u>	<u>123.5</u>	<u>to surface</u>	Sizes
Coal									
Intermediate	<u>8 5/8</u>	<u>J-55</u>	<u>24</u>	<u>XX</u>		<u>1925</u>	<u>1925</u>	<u>to surface</u>	Depths set
Production	<u>5 1/2</u>	<u>N-80</u>	<u>17</u>	<u>XX</u>		<u>4125</u>	<u>4125</u>	<u>20 sx.</u>	Perforations:
Tubing									Top Bottom
Lin...									

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-0752-F December 5 19 86
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires December 5, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>K-13</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>423827</u>	WPCP: <u>Tank</u>	S&F: <u>AS</u>	Other: _____
---	--------------------	-----------------	-------------------	--------------------	-------------------	----------------	--------------

NOTE: Keep one copy of this permit posted at the drilling location. Director, Division of Oil and Gas File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, 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.

Farm name: BORG-WARNER CORP. Operator Well No.: 1

LOCATION: Elevation: 635.40 Quadrangle: LITTLE HOCKING
District: LUBECK County: WOOD
Latitude: 11450 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 2700 Feet West of 81 Deg. 40 Min. Sec.

Well Type: OIL _____ GAS X

Company: GE Plastics Coal Operator NA
P.O. Box 68 or Owner _____
Washington WV 26181 _____

Agent: Bob Walker / Ronald W. Durst Jr Coal Operator NA
Durst Oil and Gas, Inc or Owner _____

Permit Issued: 12/05/86

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood

ss:

Ronald W. Durst Jr and _____ 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 the above named well operator, and participated in the work of plugging and filling the above well, and _____ Oil and Gas Inspector representing the Director, say that said work was commenced on the 15th day of December, 1992, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Permanent Cast Iron Br. Plug	4100'	4080		
20' Calseal on Plug				
Gel Hole 6% Gel	4080	1935		
Class A Cmt Plug	1935	1735'		
thru 5 1/2" 5 1/2" Cut @ 1935' unable to pull circulated gel to surface before cementing				
OK with state Inspector				
Class A Cmt Plug	200'	0'		4125' 5 1/2"
			Cmted to Surf	1925' 8 5/8"
			Cmted to Surf	1235' 13"

Description of monument: Csg cut and buried under parking lot OK with state
and that the work of plugging and filling said well was completed on the 17th day of December, 1992

And further deponents saith not.

Ronald W. Durst Jr
Eric W. Durst
New Survey plat with min accuracy of 1/2500

Sworn and subscribe before me this 8 day of March, 1994
My commission expires: October 28, 2003

Stephen W Kelly
Notary Public

Oil and Gas Inspector: _____