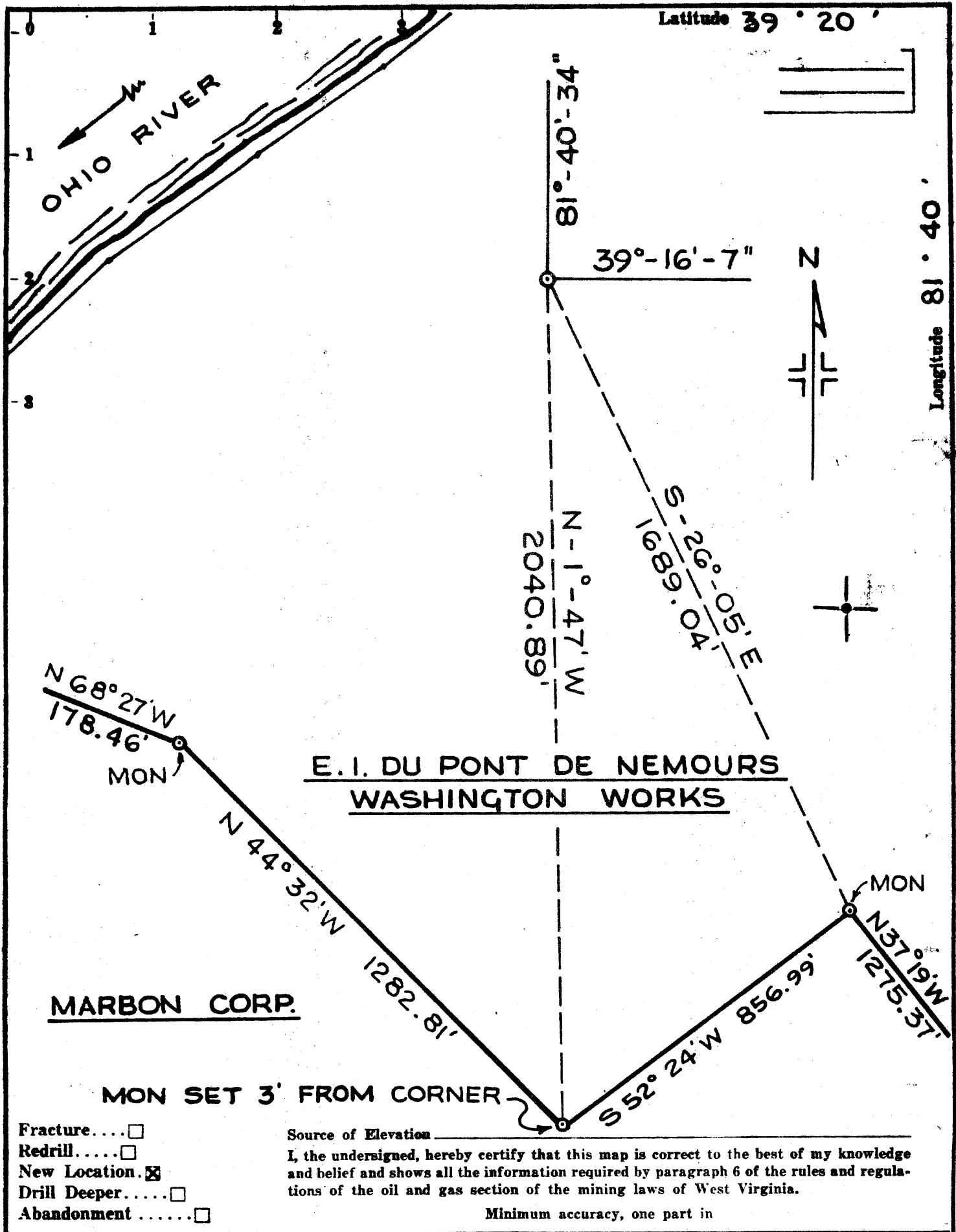


2/3/70 CEN



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

Source of Elevation _____
 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 _____

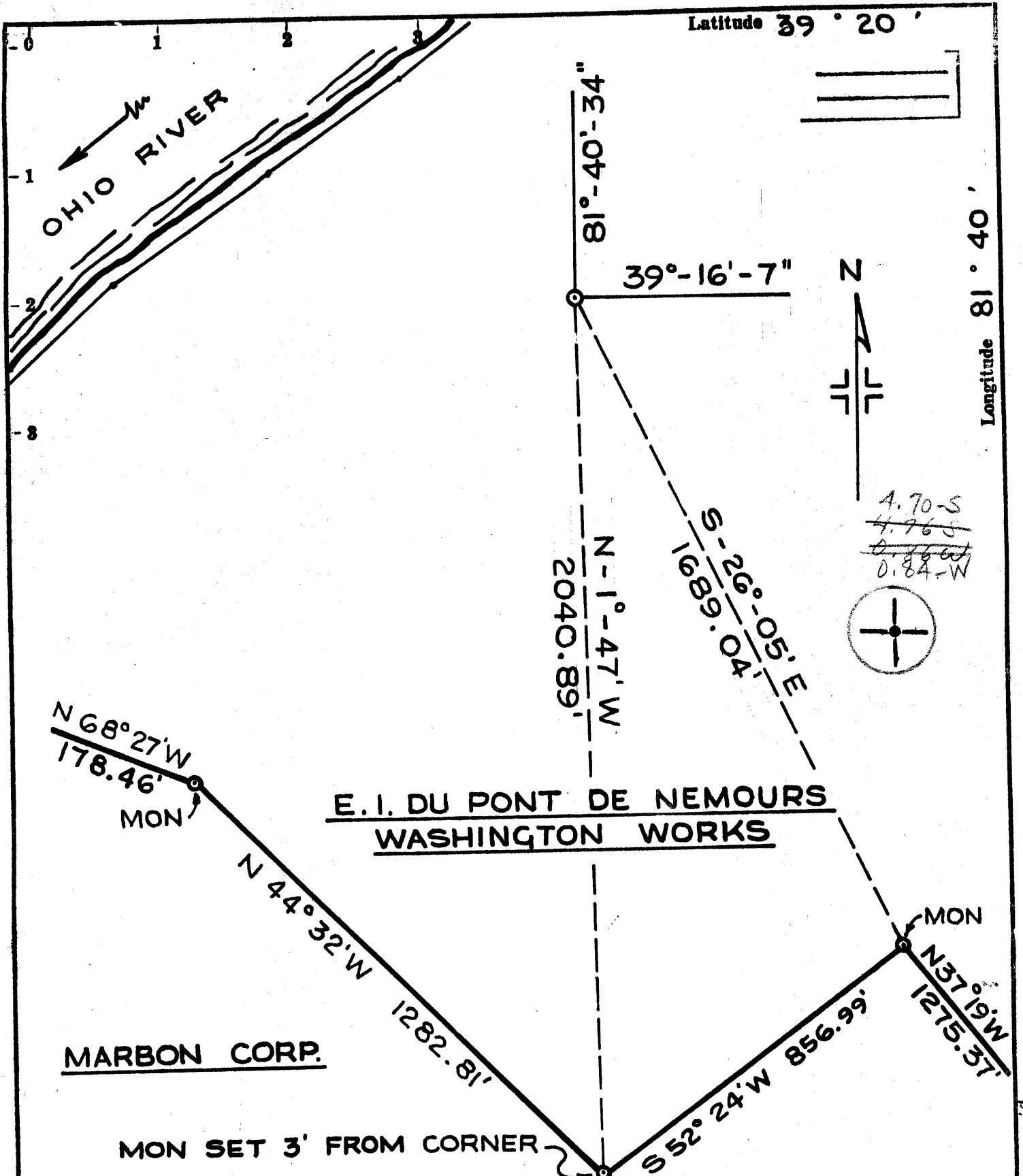
Company	E.I. DU PONT DE NEMOURS
Address	PARKERSBURG, W. VA.
Farm	WASHINGTON WORKS
Tract	Acres 400 Lease No. _____
Well (Farm) No.	3 Serial No. _____
Elevation (Spirit Level)	618'
Quadrangle	PARKERSBURG
County	WOOD District LUBECK
Surveyor or Engineer	R.H. Woodall, Jr. P.E.
Surveyor's or Engineer's Registration No.	WVA 2722
File No.	_____ Drawing No. _____
Date	_____ Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. **W00-593-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.

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



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 DEPARTMENT OF MINES
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 CHARLESTON

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9-0

Deep Well (Conondaga)
 Disposal Well
 AUG 17 1970



JAN 21 1971

39-30
7-54

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION 14

Rotary (X)
Spudder
Cable Tools
Storage (KIND)

Quadrangle Parkersburg

Permit No. Woo - 593

WELL RECORD

Oil or Gas Well Disposal (KIND)

Company E.I. duPont deNemours and Co.
Address P.O. Box 1217, Parkersburg, W.Va.
Farm Washington Works Acres 400
Location (waters) Ohio River
Well No. 3 Elev. 620'
District Lubeck County Wood
The surface of tract is owned in fee by
Address
Mineral rights are owned by DuPont
Address
Drilling commenced 8-20-70
Drilling completed 10-22-70
Date Shot From To
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	84'	84'	
13			
11 3/4	1994'	1994'	Size of
8 5/8	4085'	4085'	Depth set
6 5/8			
5 3/16			
4 1/2			
3			Perf. top 4018'
2			Perf. bottom 4082'
Liners Used			Perf. top Perf. bottom

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) 10-30-70; 250 BBLs 3%
Acid at 1000#; 550 BBLs 15% @ 1000#
WELL FRACTURED (DETAILS)

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags) See below
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)

ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water 30' Feet Salt Water 1350' Feet
Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
River sand and gravel			0	67	Water	30'	Fresh
Sand	gray		67	110			
Shale and sand			110	180			
Sand	gray		180	224			
Shale	dark		224	298			
Sand	gray		298	350			
Shale and sand			350	555			
Sand	gray		555	580			
Shale and sand, red & gray			580	678			
Sand	light		678	762			
Shale	gray & dark		762	844			
Sand	white		844	878			
Shale	gray & dark		878	958			
Sand	white		958	1033			
Shale, sand & lime shells			1033	1335			
Sand	white		1335	1444	Water	1350'	Salt
Shale	gray, sandy		1444	1605			
Sand	white		1605	1618			
Shale	gray		1618	1794			
Shale	black		1794	1812			
Serea sand			1812	1815			
Shale	dark		1815	2082			
Shale	gray, sandy		2082	2098			
Shale	gray, dark		2098	2390			
Shale	dark		2390	2610			
Shale	gray, sandy		2610	2840			
Shale	black		2840	3000			
Shale	gray, sandy		3000	3180			

(over)

FEB 1 1971

Formation	Color	Hard or Soft	Top 14	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	dark		3180	3230			
Shale	gray, sandy		3230	3360			
Shale	black		3360	3490			
Shale	gray, sandy		3490	3780			
Shale	dark & black		3780	3895			
Shale	black		3895	4016			
✓Corniferous Lime			4016	4105			
Total Depth				4105			
				(461)			
CEMENTING RECORD - All cementing by Halliburton							
8-22-70	16" @ 84' with 150 sacks common cement with 3% CaCl ₂						
9-6-70	11 3/4" @ 1994' with 796 sacks Pozmix circulated to surface						
9-17-70	Cemented in 12 drill collars with 1255 gallons resin cement						
10-9-70	Eastman Oil Well Survey Co. side tracked hole at 3427 feet						
10-23-70	8 5/8" at 4085' with 230' Fibercast on bottom of K-75 casing. Cemented with 1166 gallons resin cement to the DV tool and 1000 sacks of Pozmix with 18% salt from DV tool to surface with no return to surface.						
10-25-70	Shot at 2934 feet and squeezed with 450 sacks Pozmix and 450 sacks of common with no return to surface.						
10-27-70	Shot at 2160 feet and squeezed with 500 sacks common cement to ground surface.						

Date January 19, 19 71

APPROVED Seth A. Savage/DuPont, Owner

By Power Superintendent
(Title)

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

RECEIVED
NOV 19 1980

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	E. I. du Pont de Nemours & Co., Inc.
COAL OPERATOR OR OWNER	NAME OF WELL OPERATOR
ADDRESS	P. O. Box 1217, Parkersburg, WV 26101
COAL OPERATOR OR OWNER	COMPLETE ADDRESS
ADDRESS	November 14, 1980
Fee (E. I. du Pont de Nemours & Co., Inc.)	WELL AND LOCATION
LEASE OR PROPERTY OWNER	Lubeck District
ADDRESS	Wood County
	Well No. 3 (WOO-593)
	Washington Works Farm

STATE INSPECTOR SUPERVISING PLUGGING..... K. Paul Goodnight

AFFIDAVIT

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

R. F. Whiteside and D. P. Arbasak
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 E.I. du Pont de Nemours & Co., Inc. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of November, 1980, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			SIZE & KIND	CSG PULLED / CSG LEFT IN
FORMATION				
0-2996	6-5/8" 20# K-55 Steel casing left in place.			
2996 - 3507	6-5/8" x 0.38" wall Fibercast casing left in place			
3507 - 3525	6-5/8" Hastelloy-C casing left in place.			
0-2116	Class A Cement			
2116 - 3115	Epsal Slurry (Halliburton)			
3115 - TD	Sand Plug (20-40 Frac Sand)			
COAL SEAMS				
(NAME) None		DESCRIPTION OF MONUMENT		
(NAME)		DRH Special 7" x 4-1/2" Type 3-H		
(NAME)		Tubing head with 3" x 6" stainless steel marker plate stamped		
(NAME)		47-107-0593.		

and that the work of plugging and filling said well was completed on the 14th day of November, 1980.

And further deponents saith not.

Sworn to and subscribed before me this 14 day of November, 1980.

My commission expires:
June 13, 1989

R. F. Whiteside
D. P. Arbasak
Mary M. Morgan
Notary Public.
Permit No. 47-107-0593