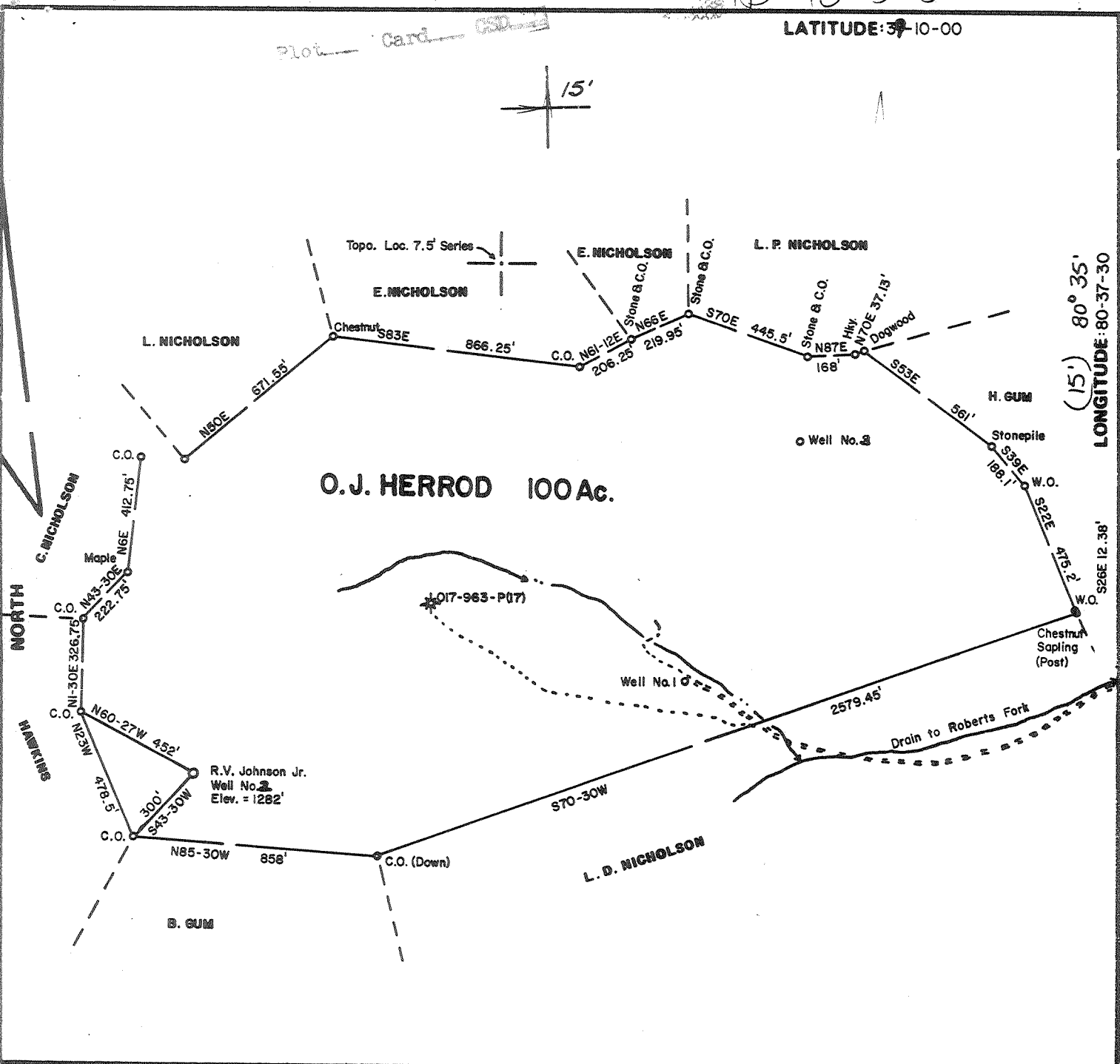


7-1

10-3-00

Plot Card

LATITUDE: 37° 10' 00"



(15') 80° 35' LONGITUDE: 80° 37' 30"

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top Knob 310' SE of Location, Elev. = 1434'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES. *Mark C. Echard*
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



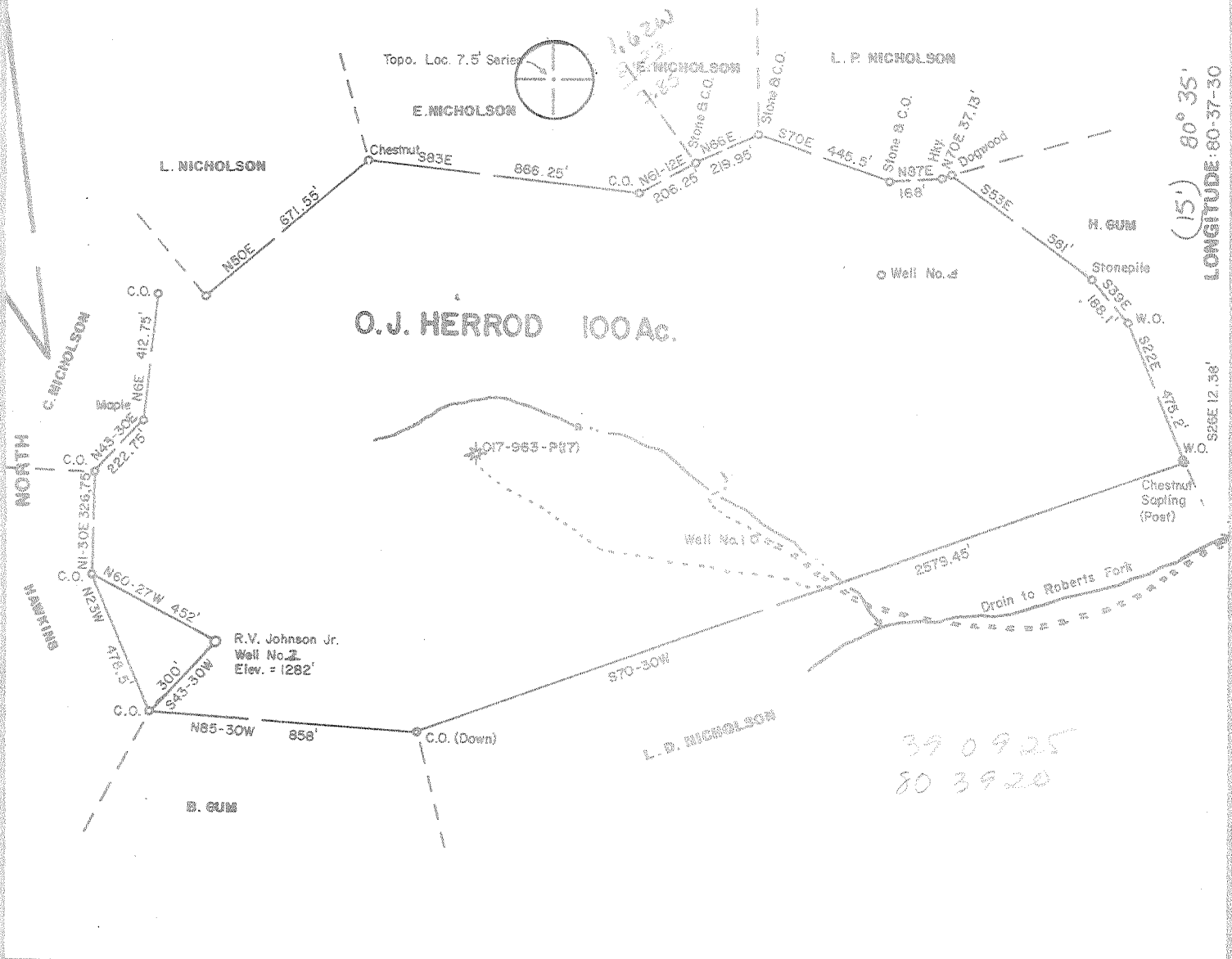
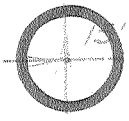
DATE SEPTEMBER 24, 1980
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
 47 - 017 - 2847 - P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1282' WATER SHED ROBERTS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' VADIS 15'
 SURFACE OWNER O.J. HERROD, Jr. ACREAGE 100
 OIL & GAS ROYALTY OWNER O.J. HERROD, Sr. LEASE ACREAGE 100
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION GANTZ ESTIMATED DEPTH 2780' ±
 WELL OPERATOR RUSSELL V. JOHNSON, Jr. DESIGNATED AGENT GAI SMYTHE
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"
 GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

JUL 19 1982

0665
393W
3.85W



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top Knob 310' SE of Location, Elev. = 1434'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES. *Mark C. Echard*
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE SEPTEMBER 24, 1980
 OPERATOR'S WELL NO. Tw
 API WELL NO. 47-017-2847
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1282' WATER SHED ROBERTS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' *VADIS 151 C*
 SURFACE OWNER O. J. HERROD, Jr. ACREAGE 100
 OIL & GAS ROYALTY OWNER O. J. HERROD, Sr. LEASE ACREAGE 100
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION *GANTZ* ESTIMATED DEPTH *2300'*
 WELL OPERATOR RUSSELL V. JOHNSON, Jr. DESIGNATED AGENT GAL SMYTHE
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"
 GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

OCT 17 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle New Milton
Permit No. 47-017-2847

Company Russell V. Johnson, Jr.
Address P.O. Drawer "L", Glenville, WV
Owner O.J. Herrod Acres 100
Location (waters) Roberts Fork
Well No. Two (2) Elev. 1282
District New Milton County Doddridge
The surface of tract is owned in fee by _____
O.J. Herrod, Jr.
Address Ohio
Mineral rights are owned by O.J. Herrod, Sr.
Address Salem, WV
Well Completed 10-23-80
Log Completed 10-28-80
Initial open flow Show cu. ft. =0= per day
Initial production :520 cu. ft. per day show
Well open 4 hrs. before test :620 RP
Well treatment details

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks.)
Size 20-16			
Cased 13-10"			
2 1/2" Tubing	206'	206'	
4 1/2" Tubing	2848'	2848'	
2" Tubing	2417'		

Attach copy of cementing record.

Gantz: 3,000# 80/100, 6 holes: 2786-2791 INJUN: 15,000# 80/100 520 MCF
15,000# 20/40 INIS: 1600 60,000# 20/40
J-266, F-78, W-22 J-266, F-78, W-22
L-53, L-41 L-53, L-41
Breakdown: 3100# Bbl OIL/40 Bbl WATER Breakdown: 3400#
Avg. Treating: 2525 PERMANENT PLUG SET 79 Avg. Treating: 2100#
Total Bbls: 247 FEET BELOW INJUN PERFS. 11 Holes: 2465-2475
Fresh water encountered at _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2457-2467

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand, Shale			0	390		
Coal			390	470		
Redrock, Shale			470			
Salt Sand			1456	1521		
Sand, Shale, Red Rock			1521	1925		
Lime, Sand, Redrock			1925	2000		
(from Density Log)						
Shale			2000	2033		
Sand			2033	2056		
Shale			2056	2087		
Sand			2087	2104		
Limey			2104	2127		
Limey Shale			2127	2139		
Hole Washed Out			2139	2252		
Shaly Lime			2252	2331		
Limey Sand			2331	2354		
Sand			2354	2411		
Big Lime			2411	2452		
Big Injun			2452	2552		
Shale			2552	2590		
Weir			2590	2682		
Shale			2682	2783		
Gantz			2783	2820		
Shale			2820			
Logger's TD				2875		

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OIL & GAS DIVISION
DEPT. OF MINES

AUG 17 1981

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. O.J. Herrod #2
API Well No. 47 - 017 - 2847
State County Permit

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X)
LOCATION: Elevation: 1282' Watershed: Roberts Fork
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Russell V. Johnson, Jr.
Address P.O. Drawer "L"
Glenville, WV 26351

DESIGNATED AGENT Gai L. Smythe
Address P.O. Drawer "L"
Glenville, WV 26351

OIL & GAS ROYALTY OWNER O.J. Herrod, Sr. (wife)
Address Salem, WV

COAL OPERATOR N/A
Address:

ACREAGE 100A

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER O.J. Herrod, Jr.
Address

Name N/A
Address

ACREAGE 100A

Name N/A
Address

FIELD SALE (IF MADE) TO:
Name N/A
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease ___ / other contract assignment dated ____, 1980, to the undersigned well operator from _____

If said deed, lease, or other contract has been recorded:]
Recorded on ____, 19__, in the office of the Clerk of the County Commission of _____ county, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 20-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
15 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

Russell V. Johnson, Jr.
Well Operator

By Gai L. Smythe
Its Partner

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown
Address _____

GEOLOGICAL TARGET FORMATION, Gantz

Estimated depth of completed well, 2880 feet Rotary / Cable tools _____ /

Approximate water strata depths: Fresh, 320 feet; salt, _____ feet.

Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No

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	8 5/8		20.0	X		450	450	130 sks.	
Coal									Sizes
Intermediate									
Production	4 1/2		9.5	X			2840	215 sks.	Depths set
Tubing								<i>or to requirements of rule 15.01</i>	
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

THIS PERMIT A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 6-6-81

J. G. Hargrett
Deputy Director of Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____
Its _____

J. G. Hargrett

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE 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.

Coal Operator or Owner	<u>Russell V. Johnson, Jr.</u>
Address	Name of Well Operator <u>1518 First City Place</u> <u>Oklahoma City, Okla. 73102</u> Complete Address
Coal Operator or Owner	<u>October 28</u> 19 <u>88</u>
Address	WELL AND LOCATION <u>New Milton</u> District
Lease or Property Owner	<u>Doddridge</u> County
Address	WELL NO. <u>2</u>

STATE INSPECTOR SUPERVISING PLUGGING O. J. Herrod

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AFFIDAVIT

STATE OF OKLAHOMA
County of Oklahoma ss: DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Halliburton and Gai Smythe
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 Russell V. Johnson, Jr., 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, 19 82, 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>Big Injun</u>	<u>Standard class H for cement plugs and 6 % gel between plugs.</u>	<u>4 1/2" cast iron Bridge plug set at 2546'</u>	<u>41/2</u>	<u>1825 1020</u>
			<u>85/8</u>	
		<u>Cement Plug 1875'-1730'</u>	<u>0</u>	<u>206</u>
		<u>gel 1730'-450'</u>		
		<u>Cement Plug 350'-450'</u>		
		<u>gel 350'-50'</u>		
		<u>Cement Plug 50'-0'</u>		
<u>Coal Seams</u>		<u>Description of Monument</u>		
(Name)		<u>Plugging monument</u>		
(Name)		<u>w/8 5/8" weld cap</u>		
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 13th day of November, 19 82.
And further deponents saith not.

Sworn to and subscribed before me this 10th day of November, 19 88.
Russell V. Johnson, Jr. Operator
Lusan Rene Jackson
Notary Public

My commission expires: October 12, 1991
Permit No. 017-2847-P
NOV 18 1988