

Fracture....
 Redrill....
 New Location.
 Drill Deeper.... *1/26/69*
 Abandonment..... *1/28/73*

Source of Elevation MARTIN N#1, ELEV. 910'

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 N. G. CLARK et. al.
 Address Box 427 CHARLESTON, W.VA
 Farm W. A. DUCKWORTH HRS.
 Tract _____ Acres 146 Lease No. _____
 Well (Farm) No. 9 Serial No. 9
 Elevation (Spirit Level) 905
 Quadrangle WEST UNION SB3²
 County DOODRIDGE District CENTRAL
 Engineer James J. Jeffers
 Engineer's Registration No. 7884
 File No. 213/136 Drawing No. _____
 Date 11-24-67 Scale 1" = 500'

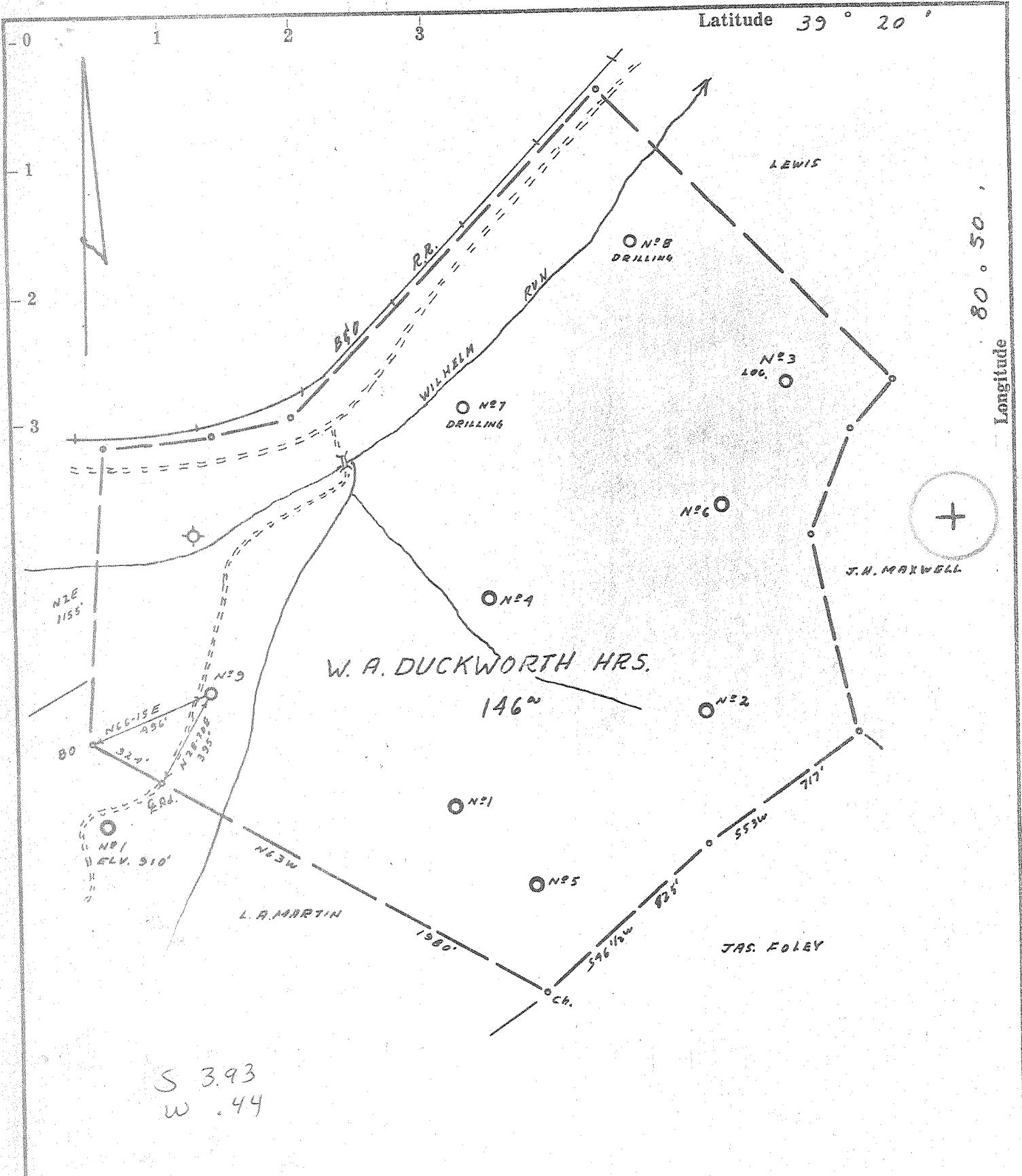
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. DOD-1492-00-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.

Latitude 39° 20'



- Fracture
- Redrill
- New Location
- Drill Deeper 6-2-69
- Abandonment

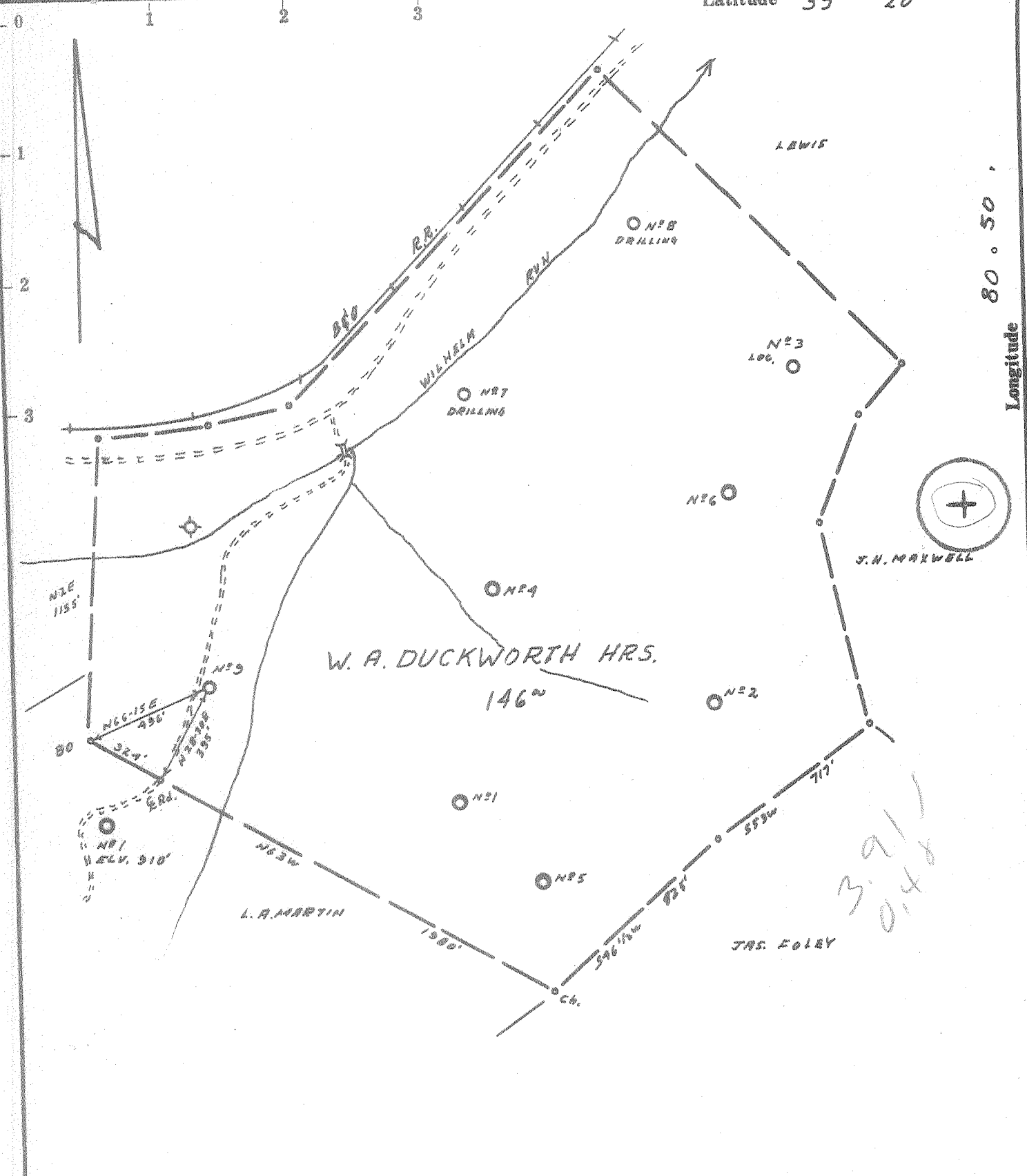
Source of Elevation MARTIN N#1, ELEV. 910'
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.
 Minimum accuracy, one part in 200

Company N. G. CLARK et al.
 Address Box 427 CHARLESTON, W.V.A
 Farm W. A. DUCKWORTH HRS.
 Tract _____ Acres 146 Lease No. _____
 Well (Farm) No. 2 Serial No. 9
 Elevation (Spirit Level) 905
 Quadrangle WEST UNION SESE SC.
 County DODDRIDGE District CENTRAL
 Engineer Jamieson
 Engineer's Registration No. 1084
 File No. 213/136 Drawing No. _____
 Date 11-24-67 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-1492-DB

+ 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.



Source of Elevation MARTIN N#1, ELV. 910'

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 N. G. CLARK et. al.
 Address Box 427 CHARLESTON, WVA
 Farm W. A. DUCKWORTH HRS.
 Tract _____ Acres 146 Lease No. _____
 Well (Farm) No. 9 Serial No. 9
 Elevation (Spirit Level) 905
 Quadrangle WEST UNION SE3 1/2 SE
 County DODD RIDGE District CENTRAL
 Engineer Jamie J. Joffe
 Engineer's Registration No. 1084
 File No. 213/131 Drawing No. _____
 Date 11-24-67 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-1492

+ 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.



RECEIVED

JAN 8 1973

OIL & GAS DIVISION
 STATE OF WEST VIRGINIA
 DEPT. OF MINES
 DEPARTMENT OF MINES
 OIL AND GAS WELLS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage
- Oil or Gas Well

Dry with show of Gas & oil
 (KIND)

Quadrangle West Union 8-45

Permit No. DOD 1492-D.D.

WELL RECORD 3

Company N. G. Clark et al
 Address P. O. Box 427, Charleston, WV 25322
 Farm W. A. Duckworth Hrs. Acres 146
 Location (waters) Wilhelm Run
 Well No. 9 Elev. 905
 District Central County Doddridge
 The surface of tract is owned in fee by Same
 Address _____
 Mineral rights are owned by Same
 Address _____
 Drilling commenced 3-27-68
 Drilling completed ~~8-16-68~~ 8-16-69
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume Show of gas and oil Cu. Ft.
 Rock Pressure None taken lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) 600 bbls of water and 3000 lbs of sand
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) Did not improve
 ROCK PRESSURE AFTER TREATMENT _____ HOURS
 Fresh Water 109 Feet _____ Salt Water _____ Feet
 Producing Sand Big Injun _____ Depth 2080

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
17/14"	15	15	
10 3/4	700	700	Size of
8 5/8	1545	1545	
6 1/2			Depth set
5 3/16			
4 1/2	2080	2080	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
 CASING CEMENTED 4 1/2 SIZE 2080 No. Ft. 8-16-69 Date
 Amount of cement used (bags) 50
 Name of Service Co. Dowell
 COAL WAS ENCOUNTERED AT None FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock	Red	Soft	0	15			
and	White	Hard	15	60			
ed rock	Red	Soft	60	109			
lue Slate	Bluish	Soft	109	135			
ed Rock	Red	Soft	135	216			
and	White	Hard	216	225			
ed rock	Red	Soft	225	365			
and Stone	White	Hard	365	400			
ime	White	Hard	400	410			
ed Rock	Red	Soft	410	460			
and	White	Hard	460	523			
harle	Bluish	Soft	523	525			
and	White	Hard	525	560			
late-Shells	Grey	Soft	560	630			
ime	White	Hard	630	750			
ed Rock	Red	Soft	750	800			
and	White	Hard	800	815			
late Red R.	Reddish	Soft	815	971			
ime	White	Hard	971	985			
nale	Grey	Soft	985	1002			
ime	White	Hard	1002	1020			
late	Grey	Soft	1020	1127			
and	White	Hard	1127	1159			
ime	White	Hard	1159	1189			
late-Shells	Grey	Soft	1189	1266			
and	White	Hard	1266	1313			
late-Shells	Grey	Soft	1313	1655			
and	White	Hard	1655	1725			
late-Shells	Grey	Soft	1725	1861			

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Little Lime	White	Hard	1861	1883			
Blue Monday	Blue	Hard	1883	1891			
Pencil Slate	Grey	Soft	1891	1896			
Big Lime	White	Hard	1896	1970			
Lime	White	Hard	1970	1975			
Sand	White	Hard	1975	1995			
Sand	White	Hard	1995	2040	Gas	1995	Show
Slate-Shells	Grey	Soft	2040	2080	Oil	2030-2035	Show

170

Date Aug. 16, 19, 19____, 19____
 APPROVED N. G. Clark, et al, Owner
 By N. G. Clark
 (Title)

DeLeon



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Deepening Well

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle West Union

Permit No. DOD 1492-DD

WELL RECORD

Oil or Gas Well Gas and Oil
(KIND)

Company N. G. Clark et al
 Address P. O. Box 427 Charleston, W. Va.
 Farm W. A. Duckworth Hrs. Acres 146
 Location (waters) Wilhelm Run
 Well No. 9 Elev. 905
 District Central County Doddridge
 The surface of tract is owned in fee by Same
 Address _____
 Mineral rights are owned by Same
 Address _____
 Drilling commenced Aug. 4, 1969
 Drilling completed Aug. 16, 1969
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume Show _____ Cu. Ft.
 Rock Pressure None taken _____ lbs. _____ hrs.
 _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) 600 bbl. water and 30,000 lbs. sand

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8 1/4			Depth set
6 5/8			
5 3/16			Perf. top
4 1/2	2080	2080	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Attach copy of cementing record.
 CASING CEMENTED 4 1/2 SIZE 2080 No. 8-17-69 Date
 Amount of cement used (bags) 50 bags cement
 Name of Service Co. Dowell
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbl) 50,000 cu. ft. gas and show oil (did not improve)
 ROCK PRESSURE AFTER TREATMENT None taken HOURS _____
 Fresh Water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Big Injun Depth 2080

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand <i>Injun</i>	White	Hard	1995	2040	oil	2035	Show
Slate-Shells	Grey	Soft	2040	2080			



2080
1995
85 DD Footage

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED

MAR 29 1973

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.

<u>W. A. Duckworth Hrs.</u> COAL OPERATOR OR OWNER	<u>N. G. Clark, et al</u> NAME OF WELL OPERATOR
<u>Central Dist., West Union, WV</u> ADDRESS	<u>P. O. Box 427 Charleston, WV 25322</u> COMPLETE ADDRESS
<u>Same</u> COAL OPERATOR OR OWNER	<u>March 16,</u> 19 <u>73</u> WELL AND LOCATION
<u>Same</u> ADDRESS	<u>Central</u> District
<u>Same</u> LEASE OR PROPERTY OWNER	<u>Doddridge</u> County
<u>Same</u> ADDRESS	Well No. <u>9</u>

W. A. Duckworth, Hrs. Farm
STATE INSPECTOR SUPERVISING PLUGGING.....Wm. Blosser.....

AFFIDAVIT

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

Lash Hefner and Donald L. Wilt
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 Glenn, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21st day of Feb., 19 73, 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
Red Clay	2080-2000			
225' Cement Plug	2000-1775			
4 1/2' cut at	1756			
Filled clay to	1650			
35' Cement plug	1650-1615			
Pulled 8" casing	1545			
Clay and Stone Bridge	861			
Red Clay	815-700			
25' Cement	700-675			
Red Clay	675-646			
10 parted at	291			
Red Clay	676-276			
Cement	276-250			
Red Clay	250-20			
Cement	20 to Surface			
COAL BEAMS			DESCRIPTION OF MONUMENT	
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 14th day of March, 19 73.

And further deponents saith not.

Lash Hefner
Donald L. Wilt

Sworn to and subscribed before me this 16th day of March, 19 73.

Samuel J. Clark
Notary Public.

My commission expires:

Nov. 20, 1981

Permit No. DOD 1492-P

APR 11 1973