

Longitude 80° 50'



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

Source of Elevation WELL NO 6, ELEV. 1090'
 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. 3 Serial No. 3
 Elevation (Spirit Level) 1125'
 Quadrangle WEST UNION SE33SC
 County DODDRIDGE District CENTRAL
 Engineer James T. Jeffers
 Engineer's Registration No. 1084
 File No. 213/134 Drawing No. _____
 Date 11-29-67 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-1493

+ 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.

6-6-91



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union SE 3-1

WELL RECORD

Oil or Gas Well Oil and Gas
(KIND)

Permit No. DOD 1493

Company <u>N. G. Clark, etal</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 427 Charleston, W. Va.</u>	Size			
Farm <u>W. A. Duckworth Hrs</u> Acres <u>146</u>	16			Kind of Packer
Location (waters) <u>Wilhelm Run</u>	1 1/4	71	71	
Well No. <u>3</u> Elev. <u>1125</u>	10	736	Pulled	Size of
District <u>Central</u> County <u>Dodridge</u>	8 1/4	1240	Pulled	Depth set
The surface of tract is owned in fee by <u>W. A. Duckworth Hrs.</u> Address <u>West Union, W. Va.</u>	6 5/16			
Mineral rights are owned by <u>Same</u> Address	4 1/2	2275	2275	Perf. top
Drilling commenced <u>Jan. 8, 1968</u>	3			Perf. bottom
Drilling completed <u>Mar. 2, 1968</u>	2			Perf. top
Date Shot From To	Liners Used			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock Pressure None taken lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) 20000 lbs. of sand and 600 bbls. water

Attach copy of cementing record.

CASING CEMENTED 4 1/2 SIZE 2275 No. Ft. _____ Date _____

Amount of cement used (bags) _____

Name of Service Co. Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

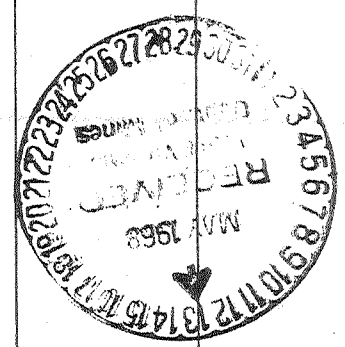
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 100,000 cu. ft. gas and 15 bbl. oil

ROCK PRESSURE AFTER TREATMENT None taken HOURS _____

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Producing Sand Big Injun Depth 2275 2196 2226

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Yellow	Soft	0	14			
Grey rock	Grey	Hard	14	35			
Red Rock	Red	Soft	35	45			
Sand	White	Hard	45	60			
Red Rock	Red	Soft	60	81			
Slate-Shells	Grey	Soft	81	88			
Red Rock	Red	Soft	88	92			
Slate-Shells	Grey	Soft	92	108			
Red Rock	Red	Soft	108	173			
Slate-Shells	Grey	Soft	173	273			
Lime	White	Hard	273	287			
Slate-Shells	Grey	Soft	287	325			
Lime Shells	Grey	Soft	325	362			
Sand	White	Hard	362	382			
Red Rock	Red	Soft	382	465			
Lime	White	Hard	465	473			
Slate-Shells	Grey	Soft	473	560			
Red Rock	Red	Soft	560	650			
Slate-Shells	Grey	Soft	650	660			
Sand	White	Hard	660	720			
Slate-Shells	Grey	Soft	720	740			
Lime	White	Hard	740	750			
Slate-Shells	Grey	Soft	750	854			
Lime	White	Hard	854	860			
Slate-Shells	Grey	Soft	860	930			
Red Rock	Red	Soft	930	1062			
Gritty Lime	Grey	Soft	1062	1122			
Slate-Shells	Grey	Soft	1122	1150			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	Black	Hard	1150	1170			
Red Rock	Red	Soft	1170	1212			
Slate-Shells	Grey	Soft	1212	1232			
Lime	White	Hard	1232	1240			
Sand	White	Hard	1240	1245			
Lime	White	Hard	1245	1270			
Sand	White	Hard	1270	1310			
Slate-Shells	Grey	Soft	1310	1330			
Sandy Lime	White	Hard	1330	1370			
Slate-Shells	Grey	Soft	1370	1405			
Lime	White	Hard	1405	1415			
Slate-Shells	Grey	Soft	1415	1460			
Lime-Sandy	White	Hard	1460	1550			
Slate	Grey	Soft	1550	1570			
Sand	White	Hard	1570	1620			
Slate-Shells	Grey	Soft	1620	1770			
Lime	White	Hard	1770	1780			
Slate-Shells	Grey	Soft	1780	1860			
Sand	White	Hard	1860	1918			
Slate-Shells	Grey	Soft	1918	1992			
Lime	White	Hard	1992	2000			
Red Rock	Red	Soft	2000	2018			
Lime	White	Hard	2018	2072			
Slate	Grey	Soft	2072	2075			
Lime	White	Hard	2075	2094			
Big Lime	White	Hard	2094	2160			
Sand (injun)	White	Hard	2160	2240	Oil	2196-2205	Show
Slate-Shells	Grey	Soft	2240	2275	Oil	2226-2235	Show

Date April 10, 1968

APPROVED N. C. Clark, et al Owner

By N. C. Clark (Title)