

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

Company Wayne I. Underwood
 Address West Union, W.Va.
 Farm Johnson Williams
 Tract _____ Acres 105 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1377 VA
 Quadrangle Centerpoint SW 13
 County Doddridge District West Union
 Engineer James J. Puffin
 Engineer's Registration No. 1084
 File No. 199/60-205 Drawing No. _____
 Date 8-6-62 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-451-REVISED

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Centerpoint SW13

Permit No. Dod. - 45-1

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Wayne L. Underwood
Address West Union, W.Va.
Farm Johnson Williams Acres 105
Location (waters) Wutters Fork
Well No. 1 Elev. 1377
District West Union County Doddridge
The surface of tract is owned in fee by Johnson Williams
Address West Union, W.Va.
Mineral rights are owned by Johnson Williams
Address West Union, W.Va.
Drilling commenced Oct 17, 1960
Drilling completed Oct 26, 1962
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 54 Thousand Cu. Ft.
Rock Pressure 150 lbs. 24 hrs.
Oil No oil bbls., 1st 24 hrs.
WELL ACIDIZED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>34'</u>	<u>34'</u>	Size of
8 1/2	<u>528.</u>		
6 1/2	<u>1386.9</u>		Depth set
5 3/16	<u>2223</u>	<u>2223</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED Yes SIZE 5 7/8 No. Ft. 2223 Date 10/26/62
20 sks. cement-3 sks. aquagel- Garalon
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

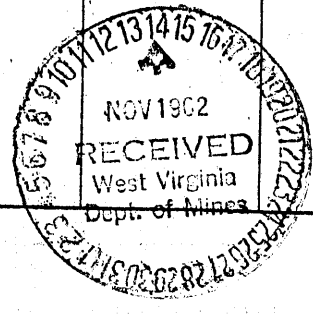
WELL FRACTURED Well Fractured, Nov. 1, 1962

RESULT AFTER TREATMENT 322,000 cu. ft.

ROCK PRESSURE AFTER TREATMENT 145-0 lb

Fresh Water Feet Salt Water Salty Feet 1820

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil	dark	soft	0	8			
clay	red	soft	8	11			
sand	light	hard	11	35			
Red rock	red	soft	35	60			
Pink rock	pink	soft	60	95			
sand	light	hard	95	110			
Red rock	red	soft	110	140			
Pink rock	pink	soft	140	150			
sand shale	grey	soft	150	160			
Red rock	red	soft	160	175			
shale	blue	soft	175	195			
Red rock	red	soft	195	220			
shale	blue	soft	220	235			
sand	grey	soft	235	254			
slate	grey	soft	254	260			
Red rock	red	soft	260	312			
sand	light	hard	312	360			
shale	blue	soft	360	370			
red rock	red	soft	370	392			
Dark slate	dark	soft	392	405			
lime	light	hard	405	440			
red rock	red	soft	440	463			
shale	gray	soft	463	484			
lime	light	soft	484	506			
red rock	red	soft	506	518			
shale	blue	soft	518	526			
lime	light	hard	526	540			
slate shell	light	hard	540	570			
lime	light	hard	570	595			
slate shell	light	soft	595	655			
lime	black	hard	655	675			
Red rock	red	soft	675	685			
slate shell	light	soft	685	740			
red rock	red	soft	740	743			
lime	light	hard	743	780			
sand	grey	hard	780	808			



Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
shale	light	soft	308	815			
lime	light	soft	815	830			
shale	grey	soft	830	838			
lime	light	hard	838	843			
red rock	red	soft	843	865			
lime	light	soft	865	894			
shale	grey	soft	894	924			
lime	light	hard	924	940			
gritty lime	light	hard	940	995			
sand	grey	hard	995	1026			
lime	grey	hard	1026	1035			
slate	dark	soft	1035	1042			
red rock	red	soft	1042	1055			
grey shale	grey	soft	1055	1088			
lime	light	hard	1088	1098			
red rock	red	soft	1098	1108			
lime	light	hard	1108	1117			
shale	grey	soft	1117	1122			
pink rock	pink	soft	1122	1160			
shale	light	soft	1160	1185			
lime	light	hard	1185	1202			
red rock	red	soft	1202	1236			
gritty lime	light	hard	1236	1255			
shale	blue	soft	1255	1274			
shale	grey	soft	1274	1282			
lime	light	hard	1282	1292			
slate	light	soft	1292	1318			
lime	light	hard	1318	1322			
shale	grey	soft	1322	1347			
sand	light	hard	1347	1355			
lime	grey	hard	1355	1370			
shale	light	soft	1370	1380			
sand	grey	hard	1380	1405			
lime shells	light	hard	1405	1433			
shale	grey	soft	1433	1472			
sand	light	hard	1472	1526			
slate	light	soft	1526	1535			
sand	light	hard	1535	1565			
shale	dark	soft	1565	1600			
slate shells	light	soft	1600	1645			
lime	grey	hard	1645	1665			
sandy lime	light	hard	1665	1675			
sand	grey	sharp	1675	1778			
shale	light	soft	1778	1783	Oil	2150	very little
sandy shale	grey	soft	1783	1793	Gas	2308	54 Thousand
lime sand	light	hard	1793	1825	Gas	2353	very little
slate shells	grey	soft	1825	1874	Gas	2375	very little
sand	light	hard	1874	2036			
slate	dark	soft	2036	2044			
sand	light	hard	2044	2070			
slate shells	light	soft	2070	2115		2380	Total depth
sand	dark	hard	2115	2154			
slate	dark	soft	2154	2163			
lime	dark	hard	2163	2176			
slate	dark	soft	2176	2200			
lug lime	grey	hard	2200	2273			
lug injun	grey	hard	2273	2380			

Date Nov 10, 1962

APPROVED Wayne Underwood, Owner

By _____ (Title)