



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

No coal
 Surface: James Adams
 Route 1
 West Union, W. Va.

Company	HOUGHINS DRILLING CO.
Address	Box 388, Mt. Carmel, Illinois.
Farm	Howard Coontz, et al.
Tract	Acres 121 Lease No. _____
Well (Farm) No.	One Serial No. _____
Elevation (Spirit Level)	950 818'
Quadrangle	West Union SE
County	Doddridge District West Union
Engineer	<i>W. H. Hart</i>
Engineer's Registration No.	1227
File No.	Drawing No. _____
Date	Dec. 1940' Scale 1" = 30P.

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

WELL LOCATION MAP
 FILE NO. **POP-510 - 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.

66-122



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle West Union

Permit No. DOD-510

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Houchins Drilling Company
 Address Box 388, Mt. Carmel, Illinois
 Farm Howard Coontz et al Acres 121
 Location (waters) Arnolds Creek
 Well No. One Elev. 818'
 District West Union County Doddridge
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by H. Coontz et al
 Address West Union
 Drilling commenced 2/17/61 (Rotary)
 Drilling completed 2/23/61
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume Show _____ Cu. Ft.
 Rock Pressure 100 lbs. 24 hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10		30'	Size of
8 1/4			
6 5/8			Depth set
5 3/16 4 1/2"		1878'	
3			Perf. top 1768'
2			Perf. bottom 1783'
Liners Used			Perf. top 1812'
			Perf. bottom 1827'

CASING CEMENTED 4 1/2" SIZE 850 No. Ft. 2/23/61 Date
170 SACKS CEMENT - HOLE LEFT FULL DRILLING MUD
GARATON SERVICE, INC.
 COAL WAS ENCOUNTERED AT None FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

WELL FRACTURED 3/14/61 with 700 bbls. water & 40,000# sand

RESULT AFTER TREATMENT 200 MCF/D

ROCK PRESSURE AFTER TREATMENT 220 psi - 12 hours

Fresh Water None encountered Feet _____ Salt Water None encountered Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil & Sand			0'	42'			
Shale			42	230			
Sand			230	280			
Shale			280	864			
Sand			864	893			
Shale			893	1018			
Sand			1018	1030			
Shale			1030	1045			
Sand			1045	1110			
Shale			1110	1150			
Sand			1150	1210	Shows of Oil & Gas:		
Shale & Sandy Shale			1210	1537	1490' - 1500'		
Sand			1538	1592	1700' - 1710'		
Shale			1592	1658	1720' - 1730'		
Lime			1658	1671	1770' - 1790'		
Lime & Shale			1671	1699	1810' - 1830'		
Lime (Big Lime)			1699	1768			
Sand (Big Injun)			1768	1830			
Shale			1830	1878			
Total Depth				1878'			Logged: Gamma Ray-Neutron (Schlumberger)

(over)

Chet Waterman

CHET WATERMAN
 PETROLEUM CONSULTANT
 P. O. BOX 532
 PARKERSBURG, W. VA.