



New Location NOTE:
 Drill Deeper Mineral Rights owned by William Cain et al, West Union,
 Abandonment W. Va.

2325
140

Company W. C. SPURLOCK
 Address 302 FRONT ST. WEST UNION, W. VA.
 Farm LATHROP CAIN HRS.
 Tract _____ Acres 107 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 873'
 Quadrangle WEST UNION 3C
 County DODDRIDGE District CENTRAL
 Engineer John W. Hamilton
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date MAY 18, 1961 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. DoD-561

+ 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 4

Quadrangle West Union

Permit No. 000-561

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Company J.R. Lefever
Address 6411 Winnepeg Rd., Bethesda, Md.
Farm Lathrop Gain Acres 107
Location (waters) Long Run
Well No. One Elev. 836
District Central County Doddridge
The surface of tract is owned in fee by Wm. Gain, et al
Address West Union, W.Va.
Mineral rights are owned by Wm. Gain, et al
Address West Union, W.Va.
Drilling commenced June 5, 1961
Drilling completed July 13, 1961
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume (Not measurable) _____ Cu. Ft.
Rock Pressure 175 lbs. 24 hrs.
Oil Show bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	9286"	0	Size of
8 1/4	493'	0	
7"	1122'	0	Depth set
5 1/2"	1720'	1720'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
25 sks. cement DOWELL

COAL WAS ENCOUNTERED AT (None) FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED Dowell Before fracture only show of gas & oil - After fracture
100,000 cu. ft. in gas & 1 bbl/day oil.

RESULT AFTER TREATMENT 284,000 open flow in gas; oil good (No measurement as of date)

ROCK PRESSURE AFTER TREATMENT 170 24 HOURS

Fresh Water _____ Feet 120 Salt Water _____ Feet 1280

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil		Soft	0	12			
Lime		Hard	12	85			Water-Hole full at 22'
Sand		Hard	105	125			Water at 120'
Red Rock		Soft	125	175			
Slate & Lime		Hard & Soft					
Lime	Gray	Soft	175	218			
Red Rock		Hard	218	250			
Slate & Shell		Soft	250	260			
Shell	Blue	Hard & Soft	260	265			
Red Rock	Red	Soft	265	300			
Shale	Blue	Soft	300	307			
Sand	White	Hard	307	380			
Sandy Shale	Blue	Soft	380	412			
Red Rock	Red	Soft	412	418			
Shale	Blue	Hard & Soft	418	440			
Lime	Dark	Hard	440	465			
Shale	Blue	Hard	465	510			
Slate & Shell	Gray	Soft & Hard	510	535			
Shale & Shell	Blue	Hard	535	628			
Red Rock	Red	Soft	628	638			
Lime	Dark	Hard	638	668			
Sand	White	Hard	668	680			
Red Rock	Red	Soft	680	708			
Lime	Dark	Hard	708	730			
Slate	Light	Soft	730	740			
Sand	Light	Hard	740	760			
Slate & Shell	Light	Hard & Soft	760	780			
Red Rock	Red	Soft	780	820			
Lime	Blue	Hard	820	848			

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Black	Soft	848	913			
Sand	White	Hard	913	944			
Slate&Shell	Gray	Soft	944	967			
Red Rock	Red	Soft	957	967			
Lime	Gray	Hard	967	975			
Sand	White	Hard	975	985			
Slate&Shell	Light	Hard&Soft	985	1120			
Sand	Gray	Hard	1120	1300	Water	1280	6bbl/hr.
Slate&Shell	Light	Hard&Soft	1300	1330			
Lime	Dark	Hard	1330	1350			
Slate	Dark	Soft	1350	1360			
Sand	Light	Hard	1360	1384			
Slate	Light	Soft	1384	1434			
Sand	White	Hard	1434	1565			
Lime	Black	Hard	1565	1654			
Pink Rock	Red	Soft	1654	1658			
Lime	Black	Hard	1658	1682	XXX		
Slate	Light	Soft	1682	1700			
Lime	Gray	Hard	1700	1771			
Big Injun	White	Hard	1771	1877	Oil	1858	Show
Slate	Black	Soft	1877	1884 (Total Depth)			

Contractor:
Scandola Oil & Gas Co.
West Union, W.Va.

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)