

ACCURACY: 1p/200p

Source of Elevation Mt. Union Church (1142')

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.

Chet Waterman

- Well Location
- Well Deeper
- Abandonment
- Structure
- Drill

Company	WOLF RUN OIL & GAS COMPANY		
Address	HUNTINGTON, W. VA.		
Name	E. B. LEESON		
Tract	Acres	Lease No.	
	35		
Lot (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	1157.8'		
Drangle	HOLBROOK	EC	
County	DODDRIDGE	District SOUTHWEST	
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
Map No.	68003-12	Drawing No.	
Date	2/6/68	Scale 1" = 30p	

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

WELL LOCATION MAP
 FILE NO. DOD-1511

+ 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 2

Quadrangle Holbrook

Permit No. Dodd1511

WELL RECORD

Oil or Gas Well Gas and Oil
(KIND)

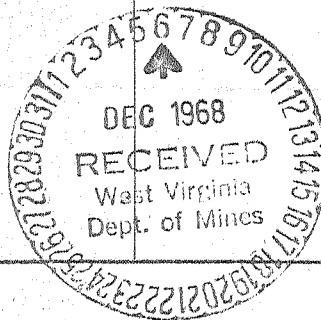
Company Wolf Run Oil and Gas Co.
Address 3031-Wallace Circle-Huntington, W.Va.
Farm Eli Leeson Acres 40
Location (waters) Straight Fork
Well No. -1- Elev. 1157.8'
District Southwest County Doddridge
The surface of tract is owned in fee by Cecil Adams
Address Auburn, W.Va.
Mineral rights are owned by Leeson Heirs
Address Auburn, W.Va.
Drilling commenced 8-1-68
Drilling completed 9-5-68
Date Shot _____ From _____ To _____
With _____
Open Flow 16/10ths Water in 2" Inch
_____ /10ths Merc. in _____ Inch
Volume 169,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	20'	20'	
13			
10 3/4"	39 1/4'	-0-	Size of
8 5/8"	1080'	-0-	Depth set
6 3/4"			
5 3/16"			
3 1/2"	2722'	2722'	Perf. top <u>2186'</u>
2			Perf. bottom <u>2208'</u>
Liners Used			Perf. top <u>2596'</u>
			Perf. bottom <u>2602'</u>

CASING CEMENTED 4 1/2 SIZE 2722 No. Ft. 9-7-68 Date
Lawson Oil and Gas Well Cementing Co. Inc.
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED Gordon treated with 605 bbls. water-28000 lbs. sand-250 gals. acid.
Weir treated with 585 bbls. water-28000 lbs. sand-750 gals. acid.
RESULT AFTER TREATMENT 1,080,000 Cu. Ft. with good oil show 1,080 Mcf
ROCK PRESSURE AFTER TREATMENT 780# with hole full of fluid.
Fresh Water None Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			-0-	10			
Red Rock			10	25			
Sand			25	40			
Lime			40	50			
Sand			50	73			
Red Rock			73	85			
Sand			85	105			
Red Rock			105	150			
Lime			150	165			
Red Rock and Shells			165	220			
Slate			220	235			
Sand			235	260			
Slate			260	265			
Lime			265	280			
Red Rock and Shells			280	300			
Gritty Lime			300	310			
Sand			310	335			
Red Rock			335	390			
Slated Shell			390	400			
Red Rock			400	410			
Sand			410	425			
Slated Shell			425	435			
Lime - Dark Hard			435	445			
Red Rock			445	510			
Lime			510	545			
Red Rock			545	555			
Slate			555	575			
Gritty Lime			575	630			
Slate			630	650			
Red Rock & Lime			650	755			



(over)

DEC 1 6 1968

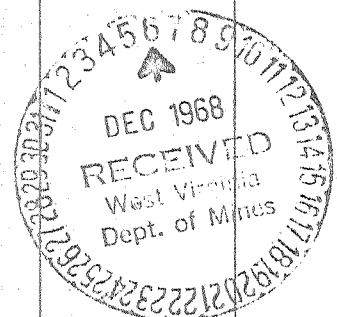
Location	Color	Hard or Soft	Top z	Bottom	Oil, Gas or Water	Depth Found	Remarks
			755	785			
			785	790			
Gritty			790	815			
Rock			815	825			
			825	835			
			835	865			
Rock			865	880			
e & Sand			880	900			
Rock			900	910			
e & Shells			910	925			
Rock			925	940			
e & Shells			940	980			
			980	1000			
Sharp			1000	1055			
en Sand			1055	1080			
			1080	1100			
			1100	1115			
			1115	1140			
			1140	1155			
Gritty			1155	1175			
			1175	1185			
Gritty			1185	1200			
			1200	1225			
en Sand			1225	1245			
			1245	1265			
			1265	1275			
			1275	1290			
			1290	1295			
			1295	1315			
			1315	1363			
en Sand			1363	1380			
			1380	1450			
en Sand			1450	1500			
& Shells			1500	1635			
			1635	1660			
Broken			1660	1700			
Gritty			1700	1715			
			1715	1735			
			1735	1765			
			1765	1775			
en Sand			1775	1830			
Maxon			1830	1850			
			1850	1862			
			1862	1870			
			1870	1900			
			1900	1904			
			1904	1915			
		Big Lime	1915	1976			
		BI	1976	2067			
			2067	2077			
			2077	2085			
			2085	2100			
y Lime			2100	2145			
e & Shells			2145	2175			
	Weir		2175	2250			
			2250	2255			
			2255	2312			
& Slate			2312	2415			
		Bees?	2415	2421			
			2421	2430			
			2430	2456			
			2456	2470			
			2470	2484			
			2484	2500			
			2500	2507			
			2507	2528			

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)

Formation	Color	Hard or Soft	Top 2 A	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			2528	2568			
Lime-Gritty			2568	2590			
Slate			2590	2600			
Sand	Gordon		2600	2615	Gas	2596-2602	16/10th. in 2 nd Water
Slate and Shells			2615	2635			
Red Lime			2635	2645			
Slate-Soft	Dev. sh.		2645	2722			
	Total Depth			2722			



Date December 4, 1968

APPROVED Wolf Run Oil & Gas Co., Owner

DEC 16 1968

By Robert Shaw Agent

(Title)