

Company ARROWHEAD EXPLORATION CO.
 Address MARIETTA, OHIO
 Farm WILSON BURTON
 Tract 4 Acres 37 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 1270.5
 Quadrangle LITTLETON WC
 County WETZEL District PROCTOR
 Engineer Robert P. Wheeler
 BY J. HERBERT HIBBINOTHAM
 Engineer's Registration No. 3582
 File No. _____ Drawing No. _____
 Date 2-22-61 Scale 1" = 100'

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

WELL LOCATION MAP
 FILE NO. Wet-500

+ 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.

5-0-0



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 18

Quadrangle Littleton

WELL RECORD

Permit No. WET 500

Oil or Gas Well DRY
(KIND)

Company Arrowhead Exploration Company
Address 1200 Mile High Center - Denver 2, Colo.
Farm Wilson Burton Acres 37
Location (waters) _____
Well No. 2 Elev. 1270.5
District Proctor County Wetzel
The surface of tract is owned in fee by Wilson Burton
Doolin Run, Address New Martinsville, W. Va.
Mineral rights are owned by Same
Address _____

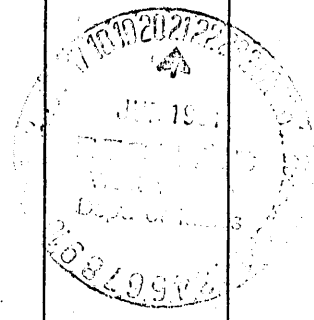
Drilling commenced April 26, 1961
Drilling completed June 12, 1961
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			Size of _____
10	351'		Depth set _____
8 1/2	1500'		Perf. top _____
6	2135'		Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2			
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 905 FEET _____ INCHES
1002 FEET _____ INCHES 1622 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	20			
Lime/shells			20	40			
Shale			40	55			
Lime			55	85			
Rock	red		85	98			
Shale/shell			98	105			
Lime			105	110			
Shale			110	130		555	
Lime			130	145			
Shale			145	170			
Rock	red		170	201			
Lime			201	215			
Rock	red		215	224			
Shale/lime/shell			224	255			
Rock	red		255	270			
Lime			270	278			
Shale			278	315			
Sand			315	331			
Shale			331	340			
Lime			340	355			
Shale/rock	red		355	370			
Lime			370	378			
Shale			378	407			
Lime			407	430			
Shale/lime/shells			430	487			
Rock	red		487	496			
Lime			496	504			
Shale			504	530			
Lime			530	542			
Shale			542	555			
Coal			555	556			slight show
Shale/shells			556	595			
Shale/lime			575	620			
Coal			625				slight show
Shale			620	648			
Rock	red		648	656			
Shale/lime/shells			656	683			



Formation	Color	Hard or Soft	Top ¹⁸	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			688	725			
Rock	red		725	735			
Shale			735	755			
Sand			755	778			
Shale			778	785			
Lime			785	820			
Rock	red		820	828			
Lime			828	898			
Shale			898	905			
Coal			905	906			
Shale/lime		soft	906	1002			
Coal			1002	1006	- <i>bita coal</i>		
Shale			1006	1009			
Lime/shell			1009	1012			
Shale/lime			1012	1065			
Shale/shell			1065	1100			
Lime			1100	1155			
Shale/shell			1155	1195			
Rock	red		1195	1225			
Shale/shell			1225	1240			
Shale/lime			1240	1304			
Rock	red		1304	1326			
Lime/shale			1326	1375	- Little Dunkard Sand	1356' - 1400'	
Sand			1375	1383	gas		
Shale			1383	1402			
Rock	red		1402	1420			
Shale/lime			1420	1475			
Rock	red		1475	1485			
Sand B.D.			1485	1510			
Shale			1510	1515			
Sand			1515	1555			
Sand		broken	1555	1565			
Shale			1565	1582	2103		
Sand U.C.S.			1582	1619	1271		
Shale	dark		1619	1622	832		
Coal U.K.			1622	1623			
Shale/sand			1623	1850			
Shale/lime			1850	1940			
Sand/shale			1940	2070			
Lime			2070	2090			
Pencil cave			2090	2103			
Big lime			2103	2195			
Sand/broken sand	sand		2195	2425			
Shale			2425	2540			
Sand			2540	2550			
Shale/lime			2550	2577			
Sand/lime			2577	2598			
Shale/lime			2598	2770			
Lime		gritty	2770	2795			
Shale/shells			2795	2852			
Rock	pink		2852	2905			
Lime			2905	2920			
Shale			2920	2970			
Sand - stray			2970	2984			
Shale			2984	3017			
Sand/shells			3017	3017			
Shale			3017	3029			
Shell/lime			3029	3033			
Sandy shale - Grodon			3033	3038			
Shale			3038	3078			
Sand - 4th			3078	3084	- 4th Sand		
Shale			3084	3092			
Sand			3092	3095	- Sand Stringer		
Shale			3095	3102			
Shale			3102	3120			

Date June 15, 1961

APPROVED Arrowhead Exploration Company, Owner

By *Jack Critchley*
(Title)