

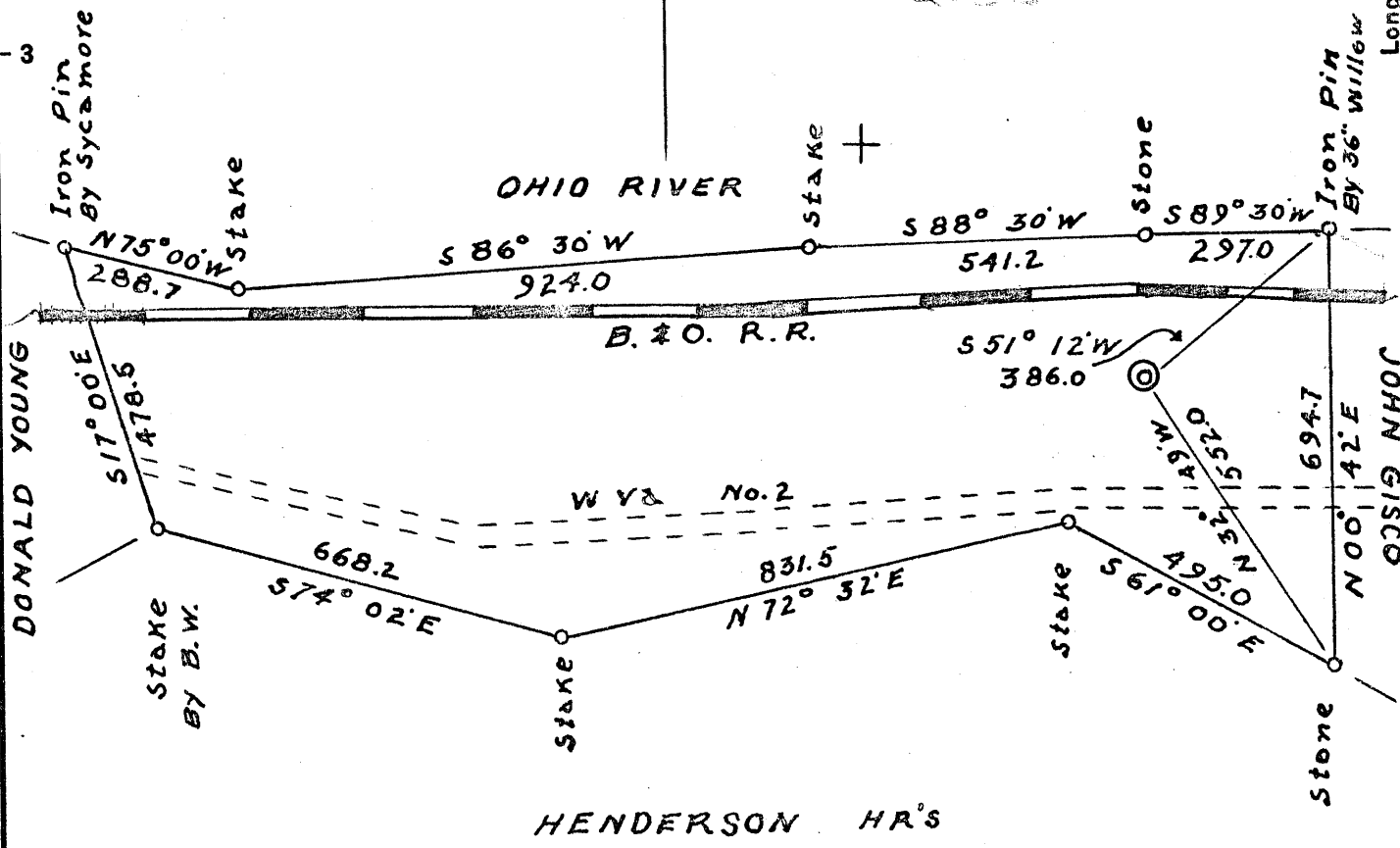
P

Latitude 39° 40'

Longitude 80° 50'

N

3.635
2.85W



New Location...
 Drill Deeper.....
 Abandonment.....

Company ARROW HEAD EXPLORATION
 Address 1219 MILE HIGH CENTER DENVER COLO.
 Farm HUGH & RAYM DAVIS
JUSTINE HUGGINS
 Tract _____ Acres 20.5 Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 654.0
 Quadrangle NEW MARTINSVILLE-C
 County WETZEL District MAGNOLIA
 Engineer George Z. McArthur
 Engineer's Registration No. 1187
 File No. _____ Drawing No. _____
 Date 12/7/57 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. Wet-458
P 2/14/1958

+ 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 30

Quadrangle NEW MARTINSVILLE, W.VA.

Permit No. WET-458

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company ARROWHEAD EXPLORATION COMPANY
Address 1219 Mile High Center, Denver, Colorado
Farm Dora Davis Acres 20.5
Location (waters) OHIO RIVER
Well No. 1 Elev. 654'
District MAGNOLIA County WETZEL
The surface of tract is owned in fee by DORA DAVIS
Address NEW MARTINSVILLE
Mineral rights are owned by _____
Address _____
Drilling commenced 12-26-57
Drilling completed 1-30-58
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.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	147'	None	Size of
8-5/8	761'-2"	749'	
7"	1413'-0"	None	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 8-5/8 SIZE 749 No. Ft. 1-8-58 Date

COAL WAS ENCOUNTERED AT 781 FEET _____ INCHES
850 FEET _____ INCHES 1232 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

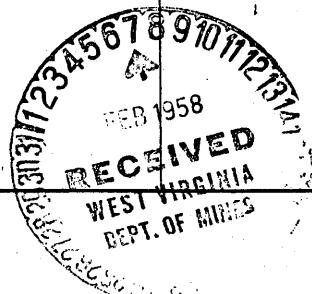
RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand&Gravel			0	80			
Shale			80	140			
Sand			140	170			
Shale & Lime Shells			170	235			
Sandy Shale			235	262			
Shale	Gray		262	371			
Lime			371	380			
Sand			380	398			
Shale	Gray/Red		398	418			
Coal-Pittsburgh			418	422			
Shale	Gray		422	455			
Shale & Lime Shells			455	582			
Sand			582	592			
Shale & Lime Shells			592	774			
Sand--Cow Run			774	780			
Shale	Gray/Red		780	950			
Sand			950	960			
Shale	Gray/Dark		960	1004			
Sand			1004	1019			
Shale	Dark		1019	1070			
Sand			1070	1080	Gas Sand	1070	
Shale	Dark		1080	1130			
Sand--1st Salt sand			1130	1282			
Shale	Gray/Dark		1282	1328			
Sand--2nd Salt Sand			1328	1345			
Shale	Dark		1345	1370			
Sand--3rd Salt sand			1370	1440			
Sand	Gray		1440	1450			
Sand--Maxton			1450	1477			

(over)



Formation	Color	Hard or Soft	Top <i>fo</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Wlime L.L.			1477	1490			
Shale--Pencil Cave			1490	1493			
Big Lime			1493	1551			
Keener Sand			1551	1571			
Big Injun Sand			1571	1757	Water	1694	400'
Shale			1767	1776 TD			
					$\begin{array}{r} 1493 \\ 654 \\ \hline 837 \end{array}$	1551	

Date....., 19.....

APPROVED....., Owner

By.....
(Title)