



Minimum Error of Closure 1 in 200'  
 Source of Elevation B.M. 500' SE of location - 1036

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.

- Fracture.....
- New Location.....  ~~Change~~
- Drill Deeper.....
- Abandonment.....

Signed: [Signature]  
 Squares: N S E W

Petroleum Development Corporation  
 Company Baker Producing Corp.  
 Address Box 26, Bridgeport, W. Va. 26330  
 Farm Stout-McDonald  
 Tract \_\_\_\_\_ Acres 160 Lease No. \_\_\_\_\_  
 Well (Farm) No. 2003 Serial No. \_\_\_\_\_  
 Elevation (Split Level) 1105  
 Quadrangle Philippi NW  
 County Harrison District Simpson  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date May 6, 1969 Scale 1" = 600'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 Reissued as 142-559  
**WELL LOCATION MAP**  
 FILE NO. HAR-519  
[Signature]  
 + 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.

39-15  
1-21



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STATE OF WEST VIRGINIA OIL & GAS DIVISION  
DEPT. OF MINES  
OIL AND GAS WELLS DIVISION

- Rotary
- Lucifer
- Cable Tools
- Storage
- Oil or Gas Well  *Oil & Gas*

b. NO. 1  
\* Oil & Gas  
(KIND)

Quadrangle Philippi  
Permit No. HAR - 559

WELL RECORD

Company Petroleum Development Corp.  
Address Box 26, Bridgeport, W. Va.  
Farm Stout - McDonald Acres 55 160  
Location (waters) Brudhey Fork  
Well No. 2003 1 Elev. 1105  
District Simpson County Harrison  
The surface of tract is owned in fee by A.L. Stout  
Address Bridgeport, W. Va.  
Mineral rights are owned by A.L. Stout  
Address Bridgeport, W. Va.  
Drilling commenced March 2, 1971  
Drilling completed April 21, 1971  
Date Shot From To  
With  
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume 102,000 Cu. Ft.  
Rock Pressure N.C. lbs. hrs.  
Oil 2 bbls., 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	18	18	
13	188-11"	188-11"	Size of
10			
8 1/4	1255		Depth set
6 3/4			
5 3/16	1888	1888	Perf. top 1817-
4 1/2			Perf. bottom 1826
3			Perf. top 1358 -
2			Perf. bottom 1370
Liners Used			

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 1888 No. Ft. 4/30/71 Date  
Amount of cement used (bags) 110  
Name of Service Co. Dowell Inc.  
COAL WAS ENCOUNTERED AT 112 FEET 60 INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) Keener 1054 bbl water, 55,000 # sand 1000 gal acid  
Thirty Foot Sand 635 bbl water, 18,000 # sand 500 gal acid  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 750,000 & 10 bbl oil day  
ROCK PRESSURE AFTER TREATMENT 465 HOURS 48  
Fresh Water 79' Feet 130' Salt Water 893 Feet  
Producing Sand Keener Sand 1350 to 1374, Thirty Foot Sand Depth 1818 to 1847 (broken)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	5			
Clay			5	8			
Sand			8	30			
Shale	Red		30	43			
Shale	Gray		43	50			
Shale, limey	gray		50	112	Water @ 79		
Coal	black		112	117			
Shale, limey			117	135	Water @ 130		
Shale	Red		135	165			
Lime			165	220			
Shale			220	275			
Sand			275	295			
Shale, limey			295	415			
Shale	black		415	432			
Lime, shaley			432	539			
Shale			539	575			
Lime			575	580			
Sand			580	610			
Shale, limey			610	690			
Sand			690	710			
Lime, shaley			710	835			
Sand			835	858			
Shale			858	935			
Sand			935	955			
Shale			955	990			
Shale	Red		990	1021			
Sand			1021	1028			
Shale	Red		1028	1038			
Lime, shaley			1038	1090			

(over)

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Formation	Color	Hard or Soft	Top 9	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1090	1150			
Lime			1150	<del>1180</del>			
Shale	Red		1180	1200			
Lime, Shaley			1200	1208			
Shale			1208	1220			
Lime, shaley			1220	1270			
Lime, Big			1270	1340			
Sand - Keener			1340	1390	1366 gas		Big Lime Keener
Shale. 368	Red		1390	1404			
Sand - Injun			1404	1450	1418 gas	show	Big Injun
Shale			1450	1745			
Sand			1745	1776			
Lime			1776	1781			
Sand			1781	1795			
Lime			1795	1816			
Sand			1816	1826	1818 oil & gas		Thirty Foot
Shale, limey			1826	1833			
Sand			1833	1847			
Shale			1847	1856			
Sand			1856	1870			
Shale			1870	1889 T.D.			
<u>Well Logged By</u>			Hitt Well Surveys, Inc. Parkersburg, W. Va.				
<u>Well Fraced By</u>			Dowell Inc. Glennville, W. Va.				
<u>Engineer</u>			S.M. Deal Parkersburg, W. Va.				

Date July 20, 1971

APPROVED Petroleum Development Corp., Owner

By G.F. Erambert  
(Title)  
G.F. Erambert, Production Sup.