

I, THE UNDERSIGNED HEREBY CERTIFY THAT THIS MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SUBJECT TO THE REGULATION REQUIRED BY PARAGRAPHS 1, 2, 3, 4 AND 5 AND REGULATIONS OF THE OIL AND GAS DIVISION OF THE MINING LAWS OF WEST VIRGINIA.

By Paul H. Dean

- New Location
- Drill Deeper
- Abandonment

B. M. REFERENCE = INTERSECTION SECONDARY ROAD 48 & ROUTE 20
MINIMUM ERROR OF CLOSURE 1/10,000

Company STYDAHAR OIL & GAS CO.
 Address Box 668, BUCKHANNON, W. VA.
 Farm L.L. CRAWFORD
 Tract 1 Acres 74± Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1105
 Quadrangle PHILIPPI WC
 County HARRISON District ELK
 Engineer Paul H. Dean
 Engineer's Registration No. 1856
 File No. 136-6-12 Drawing No. 65-4
 Date JAN. 26, 1965 Scale 1" = 400'

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

WELL LOCATION MAP
FILE NO. HAR-378

+ 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.

646 / 1855



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION #1

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Philippi

WELL RECORD

Permit No. HAR-378

Oil or Gas Well Gas
(KIND)

Company Stydahar Oil & Gas Company
 Address P O Box 668, Buckhannon, W. Va.
 Farm L. L. Crawford Acres 74+
 Location (waters) Gnatty Creek
 Well No. 1 Elev. 1105'
 District Elk County Harrison
 The surface of tract is owned in fee by L.L. Crawford & Ethel C. Crawford Address 116 S. 5th. St. Clarksburg, W. Va.
 Mineral rights are owned by Same Address _____

Drilling commenced March 17, 1965
 Drilling completed May 28, 1965

Date Shot _____ From _____ To _____
 With _____

Open Flow 94 /10ths Water in 1" Inch
 _____ /10ths Merc. in _____ Inch
 Volume 76,003 Cu. Ft.

Rock Pressure 1600# lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED River Fracture June 7, 1966

RESULT AFTER TREATMENT 8,621,000 cu. ft. Benson

ROCK PRESSURE AFTER TREATMENT 2050# after 96 hours

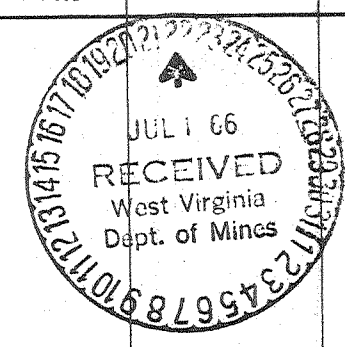
Fresh Water 303 Feet 638 Salt Water _____ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	10'8"	10'8"	
13			
10	471'	471'	Size of
8 1/4	1205'	0	
6 1/2			Depth set
5 3/16			
4 1/2	4363'	4363'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2" SIZE No. Ft. 500' Date _____

COAL WAS ENCOUNTERED AT 9 FEET 12" INCHES
208 FEET 24" INCHES 302 FEET 24" INCHES
577 FEET 18" INCHES 638 FEET 18" INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	9			
Coal			9	10			
Shale			10	35			
Red Rock			35	85			
Slate & Shells			85	159			
Red Rock			159	163			
Slate & Shells			163	208			
Coal			208	210			
Slate & Shells			210	268			
Red Rock			268	280			
Slate & Shells			280	291			
Lime			291	302			
Coal			302	304	Water	303'	3 BPH
Sand <u>L Dunk</u>			304	330			
Slate & Shells			330	365			
Sand <u>R Dunk</u>			365	385			
Slate & Shells			385	577			
Coal			577	578 1/2			
Slate & Shells			578 1/2	638			
Coal			638	639 1/2	Water	638'	Hole Full
Slate & Shells			639 1/2	725			
Limey Sand 1			725	758			
Slate & Shells			758	819			
Lime & Sand 2			819	908			
Slate & Shells			908	990			
Lime			990	1060			
Sand 3			1060	1106			
Slate Grey			1106	1120			
Slate Black			1120	1126			
Gritty Lime <u>? Mason</u>			1126	1133			



Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
ate			1133	1160			
ed Rock			1160	1330			
ate & Shells			1330	1370			
me L Lime			1370	1385			
ate			1385	1410			
me Big			1410	1502			
nd Limey <i>KENER</i>			1502	1543			
ed Rock-Lime Shells			1543	1554			
nd Limey <i>B INJ</i>			1554	1600			
ate Shells			1600	1755			
nd Broken <i>BREK</i>			1755	1816	Oil	1755-1767'	Show
ate Shells			1816	1835			
nd <i>CR 12</i>			1835	1878			
ate & Shells			1878	1900			
nd <i>30</i>			1900	1922			
ate & Shells			1922	1961			
nd <i>30</i>			1961	1995			
and Shells & Slate <i>6 S</i>			1995	2010			
nd <i>CORB</i>			2010	2029			
ate			2029	2033			
ed Rock & Lime Shells			2033	2188			
ate & Shells			2188	2207			
nd 4th			2207	2240			
ed Rock Limey			2240	2255			
ate Shells			2255	2338	Gas	2349'	6/10-3/8" Water
nd 5th			2338	2357	Gas	2353'	4/10-5/8" Water
ate Shells			2357	2789	Gas	2367'	4/10-5/8" Water
andy Lime <i>SPECIAL</i>			2789	2812			
ate & Shells			2812	2870	Oil	2800'	Show
ime			2870	3000			
ate Shells			3000	3169			
ime Sand Shells <i>BALL TOWN</i>			3169	3359			
ate Shells			3359	3388			
ime Gritty			3388	3530			
ate & Shells			3530	4000			
and Shells <i>RLEY</i>			4000	4030			
ate Shells			4030	4249	Gas	4050'	Show
nd Beuson			4249	4265	Gas	4249'	
imey			4265	4337			
Total Depth				4337'			

Date June 24, 1965

APPROVED Stydakar Oil and Gas Company, Owner

By *Harold Green*
(Title) Field Supt.