



COAL OWNED BY 1. WILDA. H. NOEL (COAL MINED OUT)
2. GLENN W. HUNTER (PITTSBURGH COAL)

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"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."

Minimum degree of accuracy is one part in 2000

Signed *William D. Phillips*

COMPANY	KEYSTONE GAS COMPANY		
ADDRESS	MELLON BANK BLDG. - CANONSBURG, PA.		
FARM	GLENN W. HUNTER		
MAP	NONE	ACRES 63.9327	LEASE NO. NONE
WELL (FARM) NO.	NONE 1	SERIAL NO.	NONE
ELEVATION (SPIRIT LEVEL)	1087.70'		
QUADRANGLE	MORGANTOWN NORTH, W. VA. - PA. <i>NC</i>		
COUNTY	MONONGALIA	DISTRICT	UNION
POINT OF PROVEN ELEVATION	POOL ELEV. 797.15'		
LOCK #	7	DATE	SEPT. 15, 1970 1:30 P.M.
FILE NO.		DRAWING NO.	W-169
DATE	DEC. 1970	SCALE	1" = 400'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP

FILE NO. *Med-325*

+ 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.



RECEIVED

NOV 15 1971

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

OIL & GAS DIVISION
DEPT. OF MINES

Rotary
Spudder
Sole Tools
Storage G. NOEL
Oil or Gas Well Gas (KIND)

Quadrangle Morgantown North

Permit No. MON-325

WELL RECORD

Company Keystone Gas Company
Address Mellon National Bank Building
Canonsburg, Penna. 15317
Farm Glenn Hunter Acres 63.9327
Location (waters) Monongahela River
Well No. 1 Elev. 1087.70
District Union County Monongalia
The surface of tract is owned in fee by Glenn W. Hunter
R. D. 4 Address Morgantown, W. Va.
Mineral rights are owned by above landowner and Wildas
H. Noel, et al Address Morgantown, W. Va.
Drilling commenced June 14, 1971
Drilling completed October 26, 1971
Date Shot --- From --- To ---
With ---

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			None
16			Kind of Packer
13	200'	200'	Size of
10	887'	887'	Depth set
8 1/4"	1242'	1242'	
6 3/8"			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

Open Flow 60/10ths Water in One Inch
/10ths Merc. in --- Inch
Volume 60,790 Cu. Ft.
Rock Pressure 700 lbs. 48 hrs.
Oil --- bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) ---

Attach copy of cementing record. 10" @ 200 w/100 bags 7/13
CASING CEMENTED 3" SIZE 2318.5 Ft. 10/8/71 Date
Amount of cement used (bags) 95
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT 462 FEET -- INCHES
545 FEET -- INCHES 799 FEET -- INCHES
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) Open hole notches 2323', 2329', 2335'; frac with 500 gal. ac
spearhead, 497 bbl. water, 17,410# sd.; A.I.R. 22 bpm.
RESULT AFTER TREATMENT (Initial open Flow or bbls) 800,000 cu. ft/day
ROCK PRESSURE AFTER TREATMENT 750 HOURS 48
111, 715, 845, 880 Feet Salt Water --- Feet
Producing Sand Fifth Sand Depth 2319-2347'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil	Yellow	Soft	0	15			
Sand	Gray	Med.	15	70			
Shale	Gray	Med.	70	80			
Slate & Lime	Lt. gray	Med	80	136	FW	111	1 blr/1 1/2 hr
Sand	Gray	Hard	136	176			
Slate & shells	Gray	Med	176	185			
Slate & lime	Gray	Med.	185	365			
Sand-Lime	Gray	Med	365	389			
Slate	Dk. gray	Med.	389	392			
Lime	Lt. gray	Med	392	405			
Sand	Gray, White	Hard	405	438	Smell Oil	423-28	
Lime	Lt. Gray	Med.	438	449			
Slate & shells	dk. Gray	Med.	449	462			
Coal	Black	Soft	462	463			1 foot thi
Lime	Dk. Gray	Med.	463	465			
Slate & Shells	Dk. Gray	Med.	465	481			
Lime	Lt. Gray	Med.	481	491			
Sand Big Dust	Gray	Med.	491	522			
Gritty Lime	Gray	Med.	522	545			
Coal	Black	Soft	545	546			1 foot thi
Slate	Black	Med.	546	554			
Lime	Brown	Med.	554	561			
Slate & Shells	Dark	Med.	561	601	SSG	585	Trace coal
Slate, Lime	Black	Med.	601	605			
Lime & Slate	Gray	Med.	605	641			

(over)

NOV 22 1971

Formation	Color	Hard or Soft	Top ♂	Bottom	Oil, Gas or Water	Depth Found	Remarks
and <i>5th</i>	Gr.&Wh.	Hard	641	697			
Lime & Shells	Gray	Med.	697	799	Sul. W.	715	trace Coal @ 7
Coal	Black	Soft	799	802			3 feet thick
Lime	Gray	Hard	802	809			
Sand	Gray	Med.	809	830			
Lime & Shells	Gray	Med., Hard	830	873	Water	845-50	400ft. in hole
Sand	Gr.&Wh.	Hard	873	887	Water	880	Hole full
Gritty Lime	Dk.Gr.	Med.	887	892			
Sand	White	Med.	892	951			
Gritty Lime	Dk.Gr.	Med.	951	956			
Sand	Lt.Gray	Med.	956	974			
Slate & Shells	Dk.Gray	Med.	974	1005			
Red Rock	Red	Med.	1005	1010			
Lm., Shell, Slate	Lt.Gray	Med.	1010	1099			
Red Rock & Lime	Red, Pink	Med.	1099	1170			
Slate & Lime	Dk.Gray	Med.	1170	1178			
Lime	Dk.Gray	Med.	1178	1193			Little Lime
Lime & Red Rock	Gray, Red	Med.	1193	1215			
Lime	Dk.Gray	Med.	1215	1290			Big Lime
Sand	Gray	Med.	1290	1297			Big Injun
Broken Sand	Gray, Red	Med.	1297	1314			
Sand	Gr.&Wh.	Hard	1314	1484	SG	1416	20/10 in 3/8
					Smell Oil	1428	
Slate & Shells	Gray	Med.	1484	1527			
Sand	Lt.Gray	Hard	1527	1637			Squaw
Slate & Shells	Gray	Med.	1637	1798			
Sand	Lt.Gray	Med.	1798	1810			Berea
Slate & Shells	Gray	Med.	1810	1874			
Sand	Dk.Gray	Hard	1874	1897			
Sand	Gray	Med.	1897	1922	SG	1900	Broken, Gran total 22/10 in 3/8"
Sand <i>50'</i>	Gray	Hard	1922	1988			
Slate & Shells	Gray	Med., Hard	1988	2060			
Red Rock & Shells	Red, Gray	Med.	2060	2083			
Slate & Shells	Dk. Gray	Med.	2083	2115			
Red Rock & Shells	Red, Gray	Med.	2115	2182			
Lime & Shells	Gray	Hard	2182	2210			
Red Rock & Shells	Red, Gray	Med.	2210	2319			
Sand <i>5th</i>	Brown	Med.	2319	2347	SG	<u>2321</u>	60/10 in 1" Fifth Bayard
Sand, Broken	Gray	Hard	2347	2398			