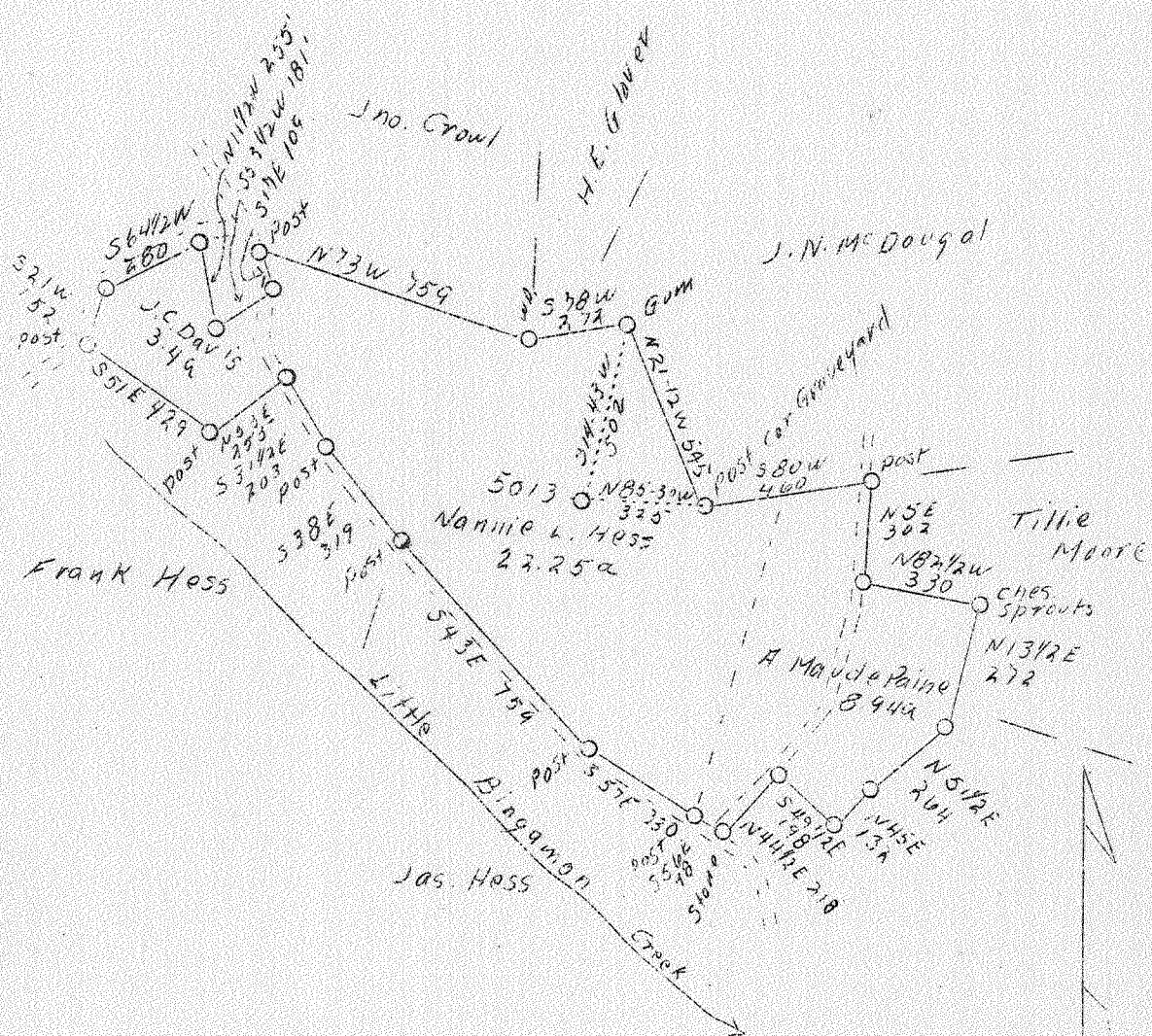


LATITUDE 39° 30'

LONGITUDE 80° 20'



1.2 W
1.04
1.20 W
1.035

ABD.

NOV 14 1938

NC

Company Pittsburgh & W. Va. Gas Co.
 Address 608 Union Bank,
 Clarksburg, W. Va.
 Farm Tillie Moore
 Acres 35
 Lease No. 11685
 Well (Farm) No. One
 Serial No. 5013
 Elevation (SP) 1222 V.A.
 Quadrangle Clarksburg N. E. 11
 County Marion
 District Lincoln
 Engineer James Jeffries
 Eng. Reg. No. -
 Date Nov. 1, 1938
 Scale 1" = 500'

STATE OF WEST VIRGINIA
 Department of Mines
 OIL & GAS DIVISION
 Charleston

WELL LOCATION MAP
 File No. MAR-204-A

x Denotes location of well on U. S. 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.

Record of Well No. *5013* Located on *Lilli Moore et al* Farm *Agn 12* 19 *12*
 Division *Sincola* District *Marion* County *W. Va* State
 Rig built by *Jno Craig* District No. *11* Drilled under Well Order *430*
 Well drilled by *Mark Hartman* Began *May 21* 19 *12* Completed *May 25* 19 *12*
 Depth of Well *2015* feet Began *July 11* 19 *12* Completed *8/27* 19 *12*
 Size of Hole *6 3/8* Producing *Gas*

Ekv: 1222

Filled to 2559 ft. Sept. 1917.

REMARKS

AMOUNT	SIZE	KIND	REMARKS
16	13	Wood	Reclaimed 8/31/12
265	10	New	" 8/31/12
1072	8 1/4	"	
1875	6 3/8	"	Reclaimed 5/28/1917.
2536	3"	"	
2559	2"	"	

COAL VEINS *Mapleton 480-485* *Pgh 560-568*

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
<i>Lide Lunkard</i>	<i>895</i>	<i>925</i>				<i>Rig Reclaimed 11/14/12</i>
<i>Big sand</i>	<i>1260</i>	<i>1340</i>				
<i>Salt sand</i>	<i>1365</i>	<i>1395</i>				
<i>2nd Salt</i>	<i>1565</i>	<i>1630</i>				
<i>Lide Lime</i>	<i>1820</i>	<i>1863</i>				
<i>Big Lime</i>	<i>1866</i>	<i>1933</i>				
<i>Big Injun</i>	<i>1933</i>	<i>2022</i>				
<i>Big sand</i>	<i>2027</i>	<i>2070</i>		<i>2028-2045</i>		
<i>Wifty Foot</i>	<i>2446</i>	<i>2460</i>				
<i>"</i>	<i>2488</i>	<i>2545</i>		<i>2515</i>		
<i>Thirty "</i>	<i>2550</i>	<i>2575</i>				
<i>Gold on tray</i>	<i>2750</i>	<i>2778</i>				
<i>" sand</i>	<i>2782</i>	<i>2797</i>				
<i>Fourth "</i>	<i>2807</i>	<i>2836</i>				
<i>Fifth "</i>	<i>2979</i>	<i>2950</i>	<i>2944</i>			

Very small show.
Bailed out through 3" hole,
found bridge c. 21536.
Completed Jan. 11, 1917.
Bailed on Bottom Jan 31-18
Bailed out on Bottom
Completed Oct. 26, 1918.

FIRST PRESSURE TEST IN <u>6 5/8</u> CASING				REMARKS
30 Sec.	12	lbs.	30	after shot
1 Min.	25	"	30	shot with 40 gts in Fifty Foot 8/29/12
2 "	33	"	46	
5 "	65	"	82	
10 "	100	"	118	
20 "	136	"	165	
30 "	155	"	173	
Rock Pressure " in				
Taken Aug 28 - 1912 19 Aug 29 - 1912				
By M. Martin M. Martin				

WELL TUBED AND PACKED. Aug 31 1912

VIZ:- 122 gts 2536 ft 3" Tubing
 26 gts 523 ft 3" of anchor } Rel'd. 5/28/1917
 1- 6 5/8 x 3 Hook Wall Packer

FIRST PRESSURE TEST IN <u>3"</u> TUBING				REMARKS		
30 Sec.	20	lbs.	7	after Retubg. 6 5/8 x 3	0	12 1/2 W 2'
1 Min.	47	"	14	after Retubg. 6 5/8 x 3	6	18
2 "	67	"	19	after Retubg. 6 5/8 x 3	7	24
5 "	106	"	34	after Retubg. 6 5/8 x 3	10	39
10 "	133	"	46	after Retubg. 6 5/8 x 3	15	53
15 "		"		after Retubg. 6 5/8 x 3	26 - 16	20' 70
30 "	166	"	68	after Retubg. 6 5/8 x 3	18	
Rock Pressure 238 " in 12/16"				92' in 15 hrs.		
Taken Aug 31 - 1912 19 1/11/17				6-7-1917		
By Encher				Hess		

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Retubed 6/7/1917.
 Reamed 9-1-17 { 21 fts 3" Tubing 2549' Total
 2" 3" " 25' anchor. 1-6 5/8 x 3 Hook wall packer a.w.s.
 1-3" sub + 1-3" R. & L. nipple on top packer
 1-6 5/8 Plug packer at 2559'.
 Retubed Sept. 29-1917.
 125 gts. 2559 ft. of 2" Tubing Total.
 7 " 111 ft of 2" anchor. - 1-6 5/8 x 2" Pack'd anchor. Total = 2641
 1-2" R & L. nipple - 1-2" Plug in bottom of Tubing
 19 ft. 6 ft. 6" of pipe on bottom - 19 ft. pipe from 2530 to 2535 - 2"
 Sept 29-17-2" Tubing 170 W. 2" - 1/2 - 1-2 - 3 - 4 - 5 - 10 - 15 - 20 - 36 hrs.
 " 29-17-6 5/8 x 2" C.A. 170 W. 1" - 1/2 - 1 - 2 - 3 - 4 - 5 - 10 - 15 - 20 - 36 hrs.

FORMATIONS

FORM: 032-5170

Well # 5013. Tiller Moore

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Shell Sand	105	175			120	2 barrels per ton
Whitewall Coal	460	465				
Sh. Coal	560	568				
Quartz Sand	1105	1135				Cased at 1070-8"
Uco Sand	1265	1340				
1st. Shell Sand	1365	1395				
and "	1585	1630				
and "	1645	1660				
Little Lime	1830	1862				
Green Cove	1862	1866				" " 1875-6 5/8
Big Lime	1866	1933				
Blue Sand	1933	2022		2001		
Green "	2029	2070		2028		
Slate & Shells	2070	2446		2043		
Red Root Sand	2488	2545		2570		
Thin "	2550	2575				
Thin "	2700	2778				
Black Sand	2782	2799				
White Sand	2807	2836				
White "	2929	2950	2944			very small show
Steel Depth	3010					Steel line measurement

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

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Permit No. 204-A

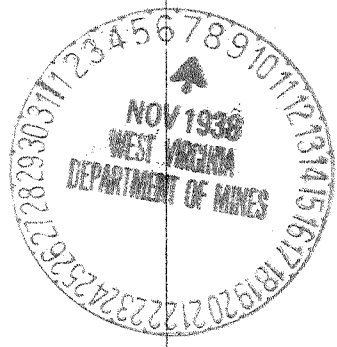
Oil or Gas Well Gas
(Kind)

Company Pittsburgh & West Va Gas Company.
 Address Clarksburg, West Va.
 Farm Tillie Moore Acres 35
 Location (waters) Clarksburg N/E. 1-1
 Well No. 5013 Elev. 1222'
 District Lincoln County Marion
 The surface of tract is owned in fee by Nannie L. Hess
Worthington, W.Va. Address
 Mineral rights are owned by T. F. Hess Heirs
J.L. Hess Atty-in-Fact Worthington, W.Va. Address
 Drilling commenced July 11th, 1912
 Drilling completed August 27th, 1912
 Date shot 8-29-1912 Depth of shot 50 Ft. Sand
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 120 feet _____ feet
 Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
13.	<u>12</u>		
10.	<u>265</u>		Size of
8 1/4.	<u>1072</u>		
6 5/8.	<u>1875</u>	<u>1875'</u>	Depth set
3/16.			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 COAL WAS ENCOUNTERED AT 480 FEET 60 INCHES
560 FEET 96 INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Soil	Light	Soft	0	12			
Clay	"	"	12	105			
Bluff Sand	"	Hard	105	175	Water	120'	2 Bailers Hr.
Slate	"	Soft	175	215			
Sand	"	"	215	235			
Slate	Dark	"	235	320			
Lime	Light	Hard	320	460			
M.F. Coal	Dark	Soft	460	465			
Slate	Light	"	465	485			
Lime	"	Hard	485	525			
Slate	"	Soft	525	560			
Pgh. Coal	Dark	"	560	568			
Lime	Light	Hard	568	590			
Slate	"	Soft	590	710			
Red Rock	Red	"	710	770			
Lime	Light	Hard	770	800			
Slate&Shell	"	Soft	800	890			
Sand	"	Hard	890	925			
Slate&Shells	"	Soft	925	990			
Sand	"	Hard	990	1035			
Slate	"	Soft	1035	1065			
Lime	"	Hard	1065	1095			
Slate	"	Soft	1095	1105			
Sand	"	Hard	1105	1155			
Lime	Dark	"	1155	1170			
Slate	Light	Soft	1170	1190			
Sand	"	Hard	1190	1205			
Slate&Shells	Dark	Soft	1205	1265			
Gas Sand	Light	Hard	1265	1340			
Slate	Dark	Soft	1340	1365			
1st.Salt	"	Hard	1365	1395			
Slate&Shells	"	Soft	1395	1555			
2nd.Salt	Light	Hard	1555	1630			
Lime	"	"	1630	1645			
Salt Sand	"	Soft	1645	1660			
Red Rock	Red	"	1660	1680			
Slate-Shells	Light	"	1680	1750			
Red Rock	Red	"	1750	1815			
Slate	Light	"	1815	1830			
Little Lime	"	Hard	1830	1862			
Pencil Cave	"	Soft	1862	1866			
Big Lime	"	Hard	1866	1933			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Injun	Light	Hard	1933	2022	Gas	2001'	
Slate	Dark	Soft	2022	2027			
Squaw Sand	Light	Hard	2027	2070	Gas	2028'-43'	
Slate-Shells	"	"	2070	2446			
Sand	Dark	"	2446	2460			
Slate	"	Soft	2460	2488			
Fifty Foot	Light	Hard	2488	2545	Gas	2515'	
Slate	"	Soft	2545	2550			
Thirty Foot	"	Hard	2550	2575			
Slate&Shells	"	Soft	2575	2645			
Red Rock	Red	"	2645	2665			
Slate-Shells	Dark	Hard	2665	2685			
Red Rock	Red	Soft	2685	2702			
Slate-Shells	Light	Hard	2702	2750			
Stray Sand	"	"	2750	2778			
Slate	"	Soft	2778	2782			
Gordich Sand	"	Hard	2782	2797			
Slate	"	Soft	2797	2807			
4th.Sand	"	Hard	2807	2836			
Slate-Shells	"	Soft	2836	2929			
5th.Sand	"	Hard	2929	2950	Show Oil	2944'	
Slate	"	Soft	2950	3015			
Total Depth	-----			3015'			Previously filled and plugged to 2559' Present Depth 2559'

Date. October 28th, 1938, 19.....

APPROVED PITTSBURGH & WEST VA GAS CO. Owner

By [Signature]

(Title)