

KAN-191

Permit to Plug Well No 5 issued OCT. 27, 1966

Map Dated 1935

WELL No. 5	ELEVATION 1328	LEASE No. C:300
FARM SUSAN H HOGUE	ACRES 546	
DISTRICT LOUDON		
COUNTY KANAWHA		
DATE 9/20/35	SCALE 1" = 1320	
ENGINEER C.A. Branham		

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL & GAS DIVISION

WELL LOCATION MAP Kan 191

COMPANY COLUMBIAN CARBON
 ADDRESS BOX 1240
 CHARLESTON WVA.

6-40-305

Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 16

Quadrangle Charleston

Permit No. Kan-191 -D

WELL RECORD

Oil or Gas Well gas
(KIND)

Company Columbian Carbon Company
Address Box 873, Charleston 23, W. Va.
Farm Susan Hogue, et al Acres 546
Location (waters) Fry Hollow
Well No. 5 - GW-340 Elev. 1094.8'
District Louden County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 3-29-60
Drilling completed 5-24-60
Date Shot not 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 see reverse side
WELL FRACTURED see reverse side

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8 3/4			Depth set
6 5/8			
5 3/16" 17#	204' 11"	204' 11"	Perf. top
3	ran to 5598'-cemented with		Perf. bottom
2	22 sacks cement		Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

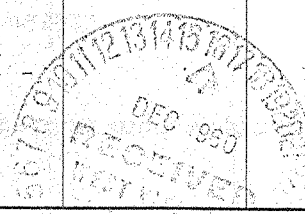
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT 94,260 cu. ft.

ROCK PRESSURE AFTER TREATMENT 14 hours 40#

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Old total depth 4988' in Lime - top			4978'				
Drilled deeper							
Lime			4988	5076			
Sandy Lime			5076	5116	Gas puff	5284-90'	exhausted
Lime and Shells	Ton 46 creek		5116	5672	5599-DLM=5599'SLM		
Oriskany Sand	with some part??		5672	5707	Sulphur Water		
Newburg Lime			5707	5717DLM	5521-27'	2/3 6"blr/hr.	
				5712 SLM	S. Water	5531'	hole full
					S. water	5680'	hole full
Total depth-----				5712'SLM			
Plugged back to test Oriskany to-----				4980'			
Plugged back to test Big Injun-----				1576'			
			4978				
			1095				
			3883				
					4978		
					1095		
					4883		



(over)

Deep Well

Formation	Color	Hard or Soft	Top 16	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>Information on deepening and plugging back of well</u>							
42-5-60 Ran 204' of 5-1/2" 17# liner to bottom. Filled hole with 9-1/2# mud. Circulated until well was dead - cemented with 22 sacks of Latex cement.							
5-18-60 Treated well with Aqua Block Treatment to squeeze off water.							
6-3-60 Plugged back from 5712' SLM to 4980' to test Oriskany							
6-14-60 Attempted to frac Oriskany. Used 10,500# 20-40 sand, 500 gallons MCA, 100# WAC-8 Loss circulation material with 2 drums of Tergitol ahead of MCA. Packer set at 4900' - packer failed. No gas before fracturing - no test on gas after fracturing.							
6-30-60 Ran Gamma Ray, Temperature and Caliper Logs. Schlumberger's logs indicate gas gauged 4/10 W. 1" = 21,060 cu. ft. from Big Lime - tore down spudder.							
7-9-60 8 day rock pressure 82#.							
Shut down from 6-30-60 to 9-30-60 waiting on machine to test Big Injun.							
10-6-60 Set bridge 1850' to 1730'							
10-10-60 Ran 3" tubing with 3"x8" upside down packer set at 1701' in top of Injun.							
10-13-60 abd 10-20-60. Attempted to fracture the Big Injun. Could not pump into formation. Gas from Big Lime gauged 34/10 W. 1" 61,460 cu. ft. after blowing 21 hours before attempting to fracture the Big Injun.							
10-21-60 Set packer in bottom of casing. Gas gauging 81 MCF from Big Lime. Acidized Big Lime with 1,500 gallons acid. Ran 30 barrels flush - all on vacuum.							
10-28-60 Set packer at 1585' - 10' below gas							
10-31-60 39# rock pressure - ripping 8" casing.							
11-6-60 Cemented to 1,576' present total depth. Final open flow 80/10 W. 1" = 94,260 cu. ft. 14 hour rock pressure 40#.							

Date December 13, 19 60

APPROVED Columbian Carbon Company, Owner

By W. S. Moore, Mgr. of Prod.

(Title)

Location 2.65 S. 38°20' Charleston Quad-5C
0.21 W. 81°35'

P

See Vol. XVII, p. 350 for old log

(16A7)

Kan-191-D
Louden District

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

File No. KAN-191-D

Well No. 5 (GW-340)

Columbian Carbon Company of Charleston, West Va.

completed on the Susan Hogue et al Farm

containing 546 acres. Location Fry Hollow

Louden District, in Kanawha County, West Virginia

The surface of the above tract is owned in fee by Susan Hogue, et al
c/o Andrew O'B Hogue, Agent,

of Mahan, West Virginia address, and the mineral rights are owned by

Susan Hogue et al
c/o Andrew O'B Hogue, Agent of Mahan, West Virginia

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit
No. KAN-191 issued by the West Virginia Department of Mines, Oil and Gas Division

September 23 193 5

Elevation of surface at top of well, 1092.8 Spirit
Barometric.

The number of feet of the different sized casings used in the well.

_____ feet _____ size. Wood conductor.

39'4" feet 13" size, csg. 4860' feet 6-5/8" O.D. sized csg.

471' feet 10" size, csg. _____ feet _____ sized csg.

1556'8" feet 8-5/8" O.D. size, csg. _____ feet _____ sized csg.

_____ packer of _____ size, set at _____

_____ packer of _____ size, set at _____

_____, in casing perforated at _____ feet to _____ feet.

_____, in casing perforated at _____ feet to _____ feet.

Coal was encountered at 157 feet, thickness 36 inches, and at 195

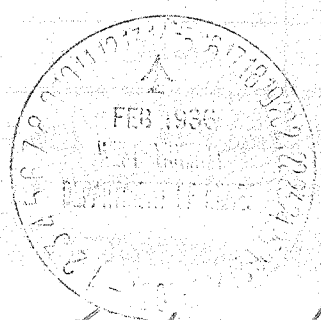
feet; thickness 36 inches; and at 212 feet; thickness 36 inches.

Liners were used as follows: (Give details) _____

February 12, 1936 Date.

Approved COLUMBIAN CARBON COMPANY, Owner.

By _____
(TITLE) O. W. VanPetten
Superintendent



Samples 26-C (1570'-4536')
4691'-5717')

Deep Well

COLUMBIAN CARBON COMPANY Company
 P. O. Box 1240
 Charleston, W. Va. Address

COMPLETION DATA SHEET

No. 2

WELL No. 5 (GW-340) FARM Susan Hogue

FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Surface				0	10	10		
Sand				10	40	30		
Slate				40	90	50		
Sand				90	157	67		
Coal				157	160	3		
Slate			Fresh	160	195	35		
Coal			Water-195'	195	198	3		2 bailers per hr.
Slate				198	212	14		
Coal				212	215	3		
Sand				215	235	20		
Slate				235	265	30		
Sand				265	320	55		
Slate				320	330	10		
Sand				330	370	40		
Slate & Shells				370	500	130		471' - 10'
Sand				500	550	50		
Slate				550	580	30		
Sand				580	625	45		
Slate & Shells				625	705	80		
Sand				705	770	65		
Slate				770	815	45		
1st Salt Sand			Gas 855-	815	1063	248		
Slate			860'	1063	1085	22		Show
2nd Salt Sand			Salt Water	1085	1185	100		
Slate			865'	1185	1200	15		2 bailers per hr.
Sand			Salt Water	1200	1378	178		3 bailers per hr.
Slate			958'	1378	1390	12		
Red Rock				1390	1400	10		
Slate & Shells			HFV - 995'	1400	1422	22		
Maxon Sand				1422	1462	40		
Little Lime				1462	1528	66		
Big Lime			Gas 1576-	1528	1698	170		1556' - 85/8'
Injun Sand red			1583'	1698	1739	41		Small Show
Slate & Shells			Gas 2020'	1739	2130	391		" "
Sunberry Shale				2130	2138	8		
Berea Grit				2138	2144	6		
Slate & Shells				2144	3335	1211		
Brown Shale				3335	3990	655		
Slate & Shells				3990	4480	490		
Brown Shale				4480	4795	295		
Black Shale				4795	4852	57		
Corniferous Lime				4852	4876	24		
Break in Lime			Cave 4876-	4876	4882	6		
Lime			4882'	4882	4953	71		
Oriskany Sand			Gas Pay	4953	4978	25		
Lime			4956-58'	4978	4988	10	4988	

Well was ~~XXX~~ shot at 4953-4963 feet; well was shot at _____ feet.

~~Salt~~ Fresh water at 195 feet; ~~Fresh~~ salt water at 865 and 958 feet.

Well was _____ producing hole.

COLUMBIAN CARBON COMPANY

February 12, 1936
Date

Approved By _____
Owner Supt.

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

