



- New Location .
- Drill Deeper . . . .
- Redrill . . . . .
- 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."

*John Galpin*

Company	V. COURTLAND + SMITH, II
Address	CHARLESTON, W. VA.
Farm	F. LYLE SATTES
Tract	Acres 269.3 Lease No.
Well (Farm) No.	1 Serial No. C-16
Elevation (Spirit Level)	584.1
Quadrangle	WINFIELD 3C
County	POTNAM District SCOTT
Engineer	JOHN GALPIN
Engineer's Registration No.	875
File No.	Drawing No.
12-16-69	Scale 1" = 600'

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

**WELL LOCATION MAP**

FILE NO. ~~PUT 759 REV.~~

Re-issued As PUT-765

+ 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.



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STATE OF WEST VIRGINIA OIL & GAS DIVISION  
DEPARTMENT OF MINES DEPT. OF MINES  
OIL AND GAS DIVISION 5

Rotary  Y  
Spider   
Cable Tools   
Storage   
Oil or Gas Well  GAS (KIND)

Quadrangle Winfield  
Permit No. PUT 765

WELL RECORD

Company V. Courtlandt Smith II  
Address 1901 Kanawha Valley Bldg. Chas. W. Va.  
Farm F. Lyle Sattes, etal Acres 269.3  
Location (waters) Kanawha  
Well No. 1-S-(C-16) Elev. 584.1  
District Scott County Putnam  
The surface of tract is owned in fee by F. LYLE SATTES, etal  
Address Charleston, W. VA  
Mineral rights are owned by same  
Address \_\_\_\_\_  
Drilling commenced 5-25-70  
Drilling completed 7-2-70  
Date 7-29-71 From \_\_\_\_\_ To \_\_\_\_\_  
Liners Used \_\_\_\_\_

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer <u>Bot. Hole- Parmaco</u>
13			Size of <u>3 1/2 x 7 5/8" x 6 2/3"</u>
10			Depth set <u>1800</u>
5 3/16			Perf. top <u>4469 (6)</u>
4 1/2			Perf. bottom <u>4471</u>
3			Perf. top _____
2			Perf. bottom _____

Open Flow 2/10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 15-18 MCF Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) 500 gasl. Mud Acid  
WELL FRACTURED (DETAILS) J160-30 350 barrels H2O, 42,424# 20-40 Sand, 3600# press.  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 14/10ths H2O after 3 hrs. (open) 158 MCF  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_ HOURS 158 MCF 158.000  
Fresh Water \_\_\_\_\_ Feet. Salt Water \_\_\_\_\_ Feet.  
Producing Sand Oriskany Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	2			
Sand & Clay			2	15			
Sand			15	65			
Red Rock			30	120			
Blue Rock			120	125			
Red Rock			125	140			
Blue Rock			140				
&							
Red Rock				450			
Sand			450	545			
Slate			545	580			
Sand			580	620			
Slate			620	722			
Sand			722	760			
Slate			760	810			
Sand			810	820			
Slate			820	1040			
Sand			1040	1420			
Slate			1420	1425			
Sand			1425	1430			
Lime			1430	1460			
Big Lime			1460	1620			
Slate			1620	1653			
Sand			1653	1680			
Slate			1680	2120			
Coffee Shale			2120	2132			
Berea			2132	2157			
Slate & Shells			2157	3300			

Formation	Color	Hard or Soft	Top S	Bottom	Oil, Gas or Water	Depth Found	Remarks
Br Sh			3300	3363			
Slate			3363	3460			
Br Sh			3460	3482			
Slate			3482	3518			
Br Sh			3518	3620			
Slate			3620	3660			
Br Sh <sup>c</sup>			3660	3725			
Slate			3725	4156			
Sh (Marcell)			4156	4364			
Corny Lime			4364	4448			
Oriskany			4448	4474	GAS	4470	
Lime			4474	4504			
Log Interpreted							
			4364	4448	4474		
			584	584	584		
			3780	3864	3890		

Date August 23, 1971

APPROVED Richard P. Hall, Teavee Oil & Gas

By Project Geologist  
(Title)