

SOURCE OF ELEVATION  
 USBM No. TT 30 086 1955  
 Elev. 590  
 Jct. Doc Bailey Road & Poca River Road

Property Information Traced From Map  
 Made by L.F. Dye Dated 8-11-55. Distance,  
 Bearing & Elevation of Location #2 to  
 Location #1 Verified by This Survey

**CERTIFICATE**

"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 \_\_\_\_\_

Signed B. W. Schumey RE 3926

COMPANY	<u>J. V. Cunningham</u>		
ADDRESS	<u>1411 Nottingham Rd. - Charleston, W. Va.</u>		
FARM	<u>MRS. R. E. MOALES</u>		
MAP	ACRES	LEASE NO.	
WELL (FARM) NO.	<u>2</u>	SERIAL NO.	
ELEVATION (SPIRIT LEVEL)	<u>747.7</u>		
QUADRANGLE	<u>ST. ALBANS</u>		
COUNTY	<u>PUTNAM</u>		
DISTRICT	<u>POCATALICO</u>		
POINT OF PROVEN ELEVATION	<u>U.S.B.M. No. TT 30 086 1955</u>		
	<u>(AS NOTED ABOVE)</u>		
FILE NO.	DRAWING NO.		
DATE	<u>7-19-67</u>		
	SCALE <u>1" = 40 P.</u>		

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. Put-728-P

+ 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.

3-0-312 DEEP WELL

Deepwell



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Oil or Gas Well  **Dry**  
(KIND)

WELL RECORD

Quadrangle \_\_\_\_\_

Permit No. **PUT-728**

Company **I. V. Cunningham, P. O. Box 9337**  
Address **Spr. Hill Sta., So. Chan., W. Va.**  
Farm **R. E. Moales** Acres \_\_\_\_\_  
Location (waters) \_\_\_\_\_  
Well No. **2** Elev. **747.7'**  
District **Pocatalico** County **Putnam**  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by **Mrs. R. E. Moales**  
Address \_\_\_\_\_

Drilling commenced **July 31, 1967**  
Drilling completed **August 11, 1967**  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow **/10ths Water in** \_\_\_\_\_ Inch  
**/10ths Merc. in** \_\_\_\_\_ Inch  
Volume **No Gas** \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.

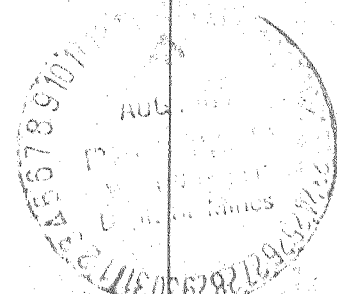
WELL ACIDIZED (DETAILS) \_\_\_\_\_  
WELL FRACTURED (DETAILS) \_\_\_\_\_

RESULT AFTER TREATMENT (Initial open Flow or bbls.) \_\_\_\_\_  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_ HOURS \_\_\_\_\_  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	74'	74'	
9 5/8	1865'	1865'	Size of
7	5355'	985'	Depth set
6 1/2			
5 3/16	(13 3/8 & 9 5/8 cemented to surface)		
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
Amount of cement used (bags) \_\_\_\_\_  
Name of Service Co. \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sub Soil			0	15			
Sandstone & Shale			15	80			
Sand			80	90			
Shale - Red Rock			90	190			
Sand			190	215			
Coal			790	800			
Shale			215	790			
Shale & Linestrings			800	990			
Sand (Salt)			990	1510			
Big Lime			1510	1710			
Lime Break			1710	1723			
Injun Sand			1723	1764			
Shale w/Line Shells			1764	2210			
Berea Sand			2210	2222			
Shale			2222	4585			
Corniferus			4585	4794			
Lime & Shale			4794	4804			
Oriskany			4804	4870			
Lime & Dolomite			4870	5390			
Newburg Sand			5390	5406			
Lime & Shale			5406	5500			
Lime			5500	5646			
Keefer Sand			5646	5671			
Red Lime			5671	5810			
Lime & Shale			5810	6075			
(Clinton Sand) Tuscarora ls			6075	6181			



4585  
748  
3837  
6181  
748  
5433

ID 6181

P.I. log logs: Oriskany 4669  
Newburg 5378  
Logged to 5440  
AUG 22 1967