

LATITUDE

38° 30'

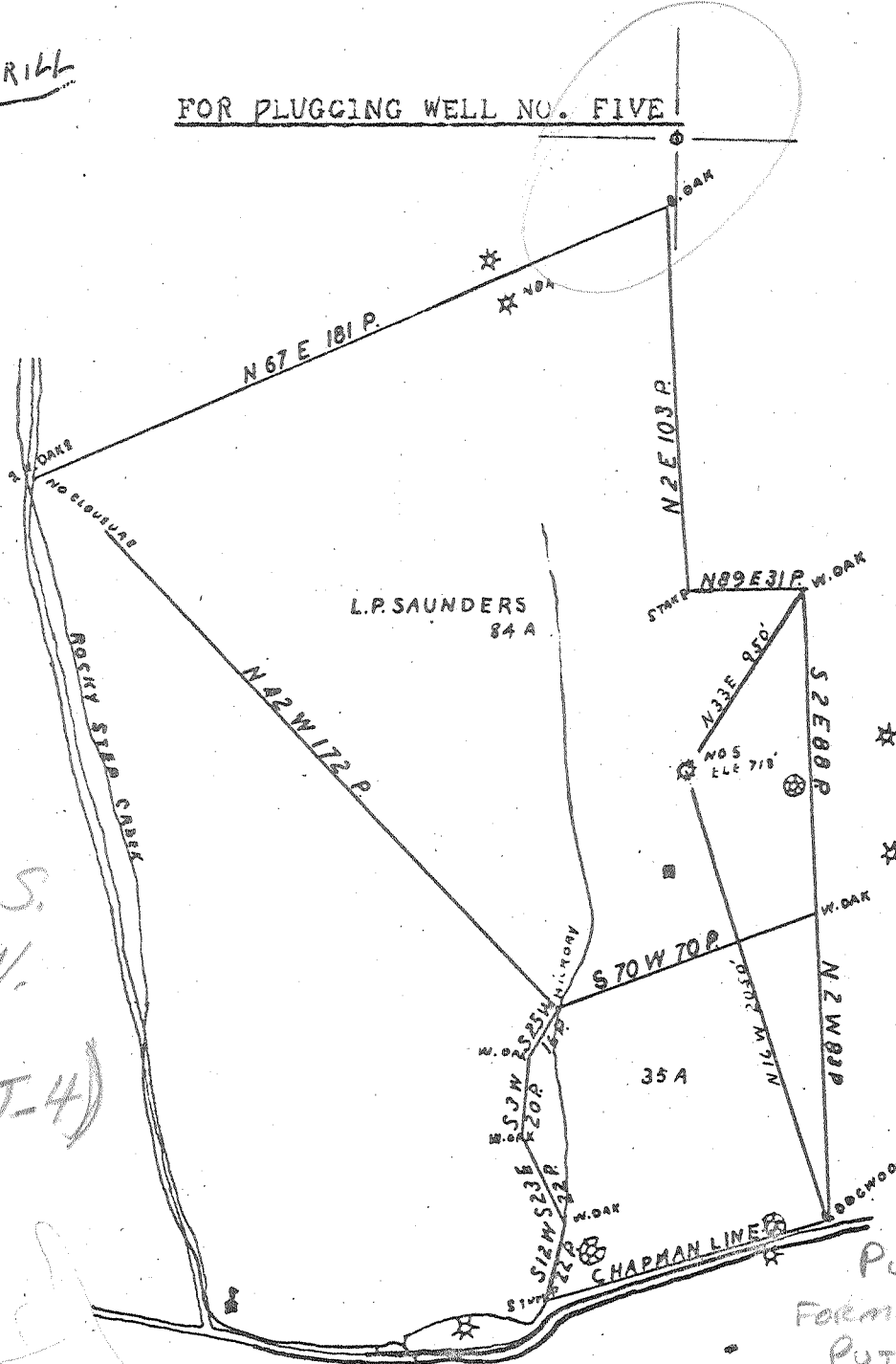
PUT #643

Plat of the location of Well No. 5 on the L. P. Saunders Farm owned by Putnam Natural Gas Company, Charleston, West Virginia, consisting of 120 acres, located in Scott District, Putnam County, West Virginia.

LONGITUDE 81° 50'

Put-643-Redrill

FOR PLUGGING WELL NO. FIVE



2.86 S.  
 2.32 W.  
 2 C (J-4)

ENGINEER'S CERTIFICATE

I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief, required by the Oil and Gas Section of the Mining Laws of West Virginia.

*[Signature]*  
Registered Engineer #288

Acknowledged before me this 9th day of August, 1932.  
My Commission expires Apr 8, 1933.

*[Signature]*  
NOTARY PUBLIC

St. Albans - NC

643-D

Deep Well

212

Scott District, Putnam County, W. Va. New Put-12-A  
 Putnam Natural Gas Co., Charleston, W. Va. (Walter L. Smith, Geologist).  
 On 120 acres, surface and mineral rights owned by L. P. Saunders,  
 Scott Depot, W. Va.

Elevation, 718' L.

8 $\frac{1}{2}$ " casing, 145'; 6-5/8", 1460'.

No coal encountered.

No liners used.

Well completed July 10, 1929.

Abandonment? report to Dept. of Mines not dated (1932?)

NOTE: This record furnished by the original owners. We can not ascertain the authenticity of this record.

Well was not shot.

No record of water.

	Top.	Bottom.
Surface	0	60
Sand	60	85
Red rock	85	120
Sand	120	135
Red rock	135	145
Sand	145	160
Red rock	160	180
Sand	180	200
Slate	200	325
Sand	325	375
Slate and shell	375	500
Sand	500	575
Slate	575	650
Sand	650	750
Slate	750	775
Sand	775	850
Slate	850	900
Sand	900	925
Slate and shell	925	1070
Salt Sand	1070	1340
Black slate	1340	1350
Sand	1350	1397
Slate	1397	1402
Marion Sand	1402	1432
Slate	1432	1437
Little Lime	1437	1452
Pencil Cave	1452	1455
Big Lime	1455	1620
Slate	1620	1623
Keener Sand	1623	1643
Slate	1643	1682
Big Injun Sand, to bottom	1682	1690

Scott District, Putnam County, W. Va. *12-A REASSIGNED PUT 643*  
 Putnam Natural Gas Co., Charleston, W. Va. (Walter L. Smith, Geologist).  
 On 120 acres, surface and mineral rights owned by L. F. Saunders,  
 Scott Depot, W. Va.

Elevation, 718' L.

2 1/2" casing, 145'; 6-5/8", 1460'.

No coal encountered.

No liners used.

Well completed July 10, 1929.

Abandonment? report to Dept. of Mines not dated (1932?)

NOTE: This record furnished by the original owners. We can not  
 ascertain the authenticity of this record.

Well was not shot.

No record of water.

	Top.	Bottom.
Surface	0	60
Sand	60	85
Red rock	85	120
Sand	120	135
Red rock	135	145
Sand	145	160
Red rock	160	180
Sand	180	200
Slate	200	325
Sand	325	375
Slate and shell	375	500
Sand	500	575
Slate	575	650
Sand	650	750
Slate	750	775
Sand	775	850
Slate	850	900
Sand	900	925
Slate and shell	925	1070
Salt Sand	1070	1340
Black slate	1340	1350
Sand	1350	1397
Slate	1397	1402
Marion Sand	1402	1432
Slate	1432	1437
Little Lime	1437	1452
Pencil Cove	1452	1455
Big Lime	1455	1620
Slate	1620	1623
Keener Sand	1623	1643
Slate	1643	1682
Big Injun Sand, to bottom	1682	1690 (T.D.)

*Am. Nat. Gas Co. 2-11-32*

*No coal*

*Gas depth also given*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 5

Quadrangle St. Albans

Permit No. Put - 643-D

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Putnam Natural Gas Co.  
Address Charleston, W.Va.  
Farm V. H. Maddox Acres 123  
Location (waters) Big Scary Creek  
Well No. 1 - 3 Elev. 718'  
District Scott County Putnam  
The surface of tract is owned in fee by V. H. Maddox  
Address \_\_\_\_\_  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced August 31, 1957  
Drilling completed March 28, 1958  
Date Shot 3-24-58 From 3360 To 4360  
With 5600 lbs. NH<sub>4</sub>CO<sub>3</sub>, 1700 lbs. 80% Gel.  
Open Flow 5/10ths Water in 2 Inch  
1/10ths Merc. in \_\_\_\_\_ Inch  
Volume 94,000 Cu. Ft.  
Rock Pressure Not Taken lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	20	20	Size of
8 1/4	145	145	
6 3/4	None	None	Depth set
5 3/16	1795	1795	
3			Perf. top
2	3708	3708	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

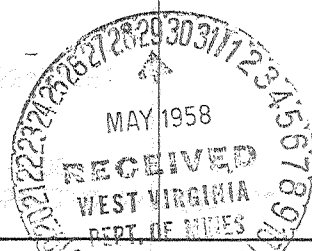
RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			00	60			
Sand			60	85			
Red Rock			85	120			
Sand			120	135			
Red Rock			135	145			
Sand			145	160			
Red Rock			160	180			
Sand			180	200			
Slate			200	325			
Sand			325	375			
Slate & Shells			375	500			
Sand			500	575			
Slate			575	650			
Sand			650	750			
Slate			750	775			
Sand			775	850			
Slate			850	900			
Sand			900	925			
Slate & Shells			925	1070			
Salt Sand			1070	1340	Water	1058	
Black Slate			1340	1350			
Sand			1350	1397			
Slate			1397	1402			
Maxon Sand			1402	1432			
Slate			1432	1437			
Little Lime			1437	1452			
Pencil Cave			1452	1455			
Big Lime			1455	1620			
Slate			1620	1623			

(over)



Formation	Color	Hard or Soft	Top $\pm$	Bottom	Oil, Gas or Water	Depth Found	Remarks
Keener Sand			1623	1643			
Slate			1643	1682			
Big Injun			1682	1735	Old well redrilled to	1682.	
Slate & Shells			1735	2140	Water	1700	
Coffee Shale			2140	2155			
Berea Grit			2155	2181	Show Gas	2166-2175.	
Slate & Shells			2181	3333			
Brown Shale			3333	3498			
W. Slate			3498	3520			
Brown Shale			3520	3780			
Slate & Shells			3780	3887			
Brown Shale			3887	3910	Show Gas	3400	
Slate & Shells			3910	4149		3560	
Marcellous			4149	4331		3712	
Carniferous			4331				
TOTAL DEPTH				4429			Bit, friction socket, long stroke jars sinker and rope socket in bottom of hole, also 12' whipstack top at 4378.

Date May 20, 1958

APPROVED Putnam Natural Gas, Owner

By John Galpin  
(Title)  
John Galpin, Geologist

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section (13)

PRELIMINARY DATA SHEET NO. 1

File No. Put-12 - now Put-643 - Redhill Well No. 5

Putnam Natural Gas Company, of Charleston, West Virginia

on the L. P. Saunders Farm

containing 120 acres. Location NOW: V.H. MADDOX

Scott District, in Putnam County, West Virginia.

The surface of the above tract is owned in fee by L. P. Saunders

of Scott Depot, W. Va. address, and the mineral rights are owned by

L. P. Saunders of Scott Depot, W. Va.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit No. None issued by the West Virginia Department of Mines, Oil and Gas Section,

19.

Elevation of surface at top of well, 718 Feet Spirit

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

145 feet 8-1/4 size. Wood conductor.

1460 feet 6-5/8 size, csg. sized csg.

feet size, csg. sized csg.

feet size, csg. 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 None feet; thickness inches, and at

feet; thickness inches; and at feet; thickness inches.

Liners were used as follows: (Give details)

None

Well completed July 10, 1929

Date.

Approved Putnam Natural Gas Company, Owner.

By Walter R. Smith (Title) Geologist

Note This record furnished by the original owners. We cannot ascertain the authenticity of this record

WAS PUT 12-A

PUT-12A (NEW PUT-643-Redhill)

Putnam Natural Gas Company

COMPLETION DATA SHEET

Charleston, W. Va. Address

NO. 2

FORMATION RECORD

V. H. MADDOX FARM

Name	Color	Character	Oil, Gas or Water	Top 13	Bottom	Thickness	Total Depth	Remarks
Surface				0	60	60		
Sand				60	85	25		
Red Rock				85	120	35		
Sand				120	135	15		
Red Rock				135	145	10		
Sand				145	160	15		
Red Rock				160	180	20		
Sand				180	200	20		
Slate				200	325	125		
Sand				325	375	50		
Slate & Shell				375	500	125		
Sand				500	575	75		
Slate				575	650	75		
Sand				650	750	100		
Slate				750	775	25		
Sand				775	850	75		
Slate				850	900	50		
Sand				900	925	25		
Slate & Shell				925	1070	145		
Salt Sand				1070	1340	270		
Black Slate				1440	1350	10		
Sand				1350	1397	47		
Slate				1397	1402	05		
Maxton Sand				1402	1432	30		
Slate				1432	1437	5		
Little Lime				1437	1452	15		
Pencil Cave				1452	1455	3		
Big Lime				1455	1620	165		
Slate				1620	1623	3		
Keener Sand				1623	1643	20		
Slate				1643	1682	39		
Big Injun				1682	1690	8	1690	

Note: This record furnished us by the original owners.

Well was not shot at.....feet; well was shot at.....feet.

Salt Fresh water at.....No Record.....feet; salt fresh water at.....No Record.....feet.

Well was producing hole.  
dry

Completed July 10, 1929 Date ~~XXXXX~~ Putnam Natural Gas Company Owner

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.