

197.0 AC.  
29.0 AC.  
228.74 AC.

3.585  
3.617

MINIMUM ERROR OF CLOSURE 1/500  
SOURCE OF ELEVATION Well No. 1, Lipscome Hrs. Elev 1170

New Location   
Drill Deeper   
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 8 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA."

Company Wolf Run Oil & Gas Co.  
Address Box 5, Huntington, W.Va. 25700  
Farm Fleet Cox  
Tract 1 Acres 228.74 Lease No. \_\_\_\_\_  
Well (Farm) No. 1 Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 1156  
Quadrangle Holbrook EC  
County Doddridge District Southwest  
Engineer Parker E. Peters  
Engineer's Registration No. 285  
File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
Date July 2 1967 Scale 1" = 40P.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON  
  
WELL LOCATION MAP  
FILE NO. Dod-1467

| 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 3

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Holbrook  
Permit No. Dodd 1167

WELL RECORD

Oil or Gas Well Gas & Oil  
(KIND)

Company Wolf Run Oil and Gas Co.  
Address Box 5-Huntington, W. Va.  
Farm Fleet Cox Acres 286  
Location (waters) Bone Creek and Straight Fork  
Well No. -1- Elev. 1156'  
District Southwest County Doddridge  
The surface of tract is owned in fee by Fleet Cox  
Address Auburn, W. Va.  
Mineral rights are owned by Fleet Cox  
Address Auburn, W. Va.

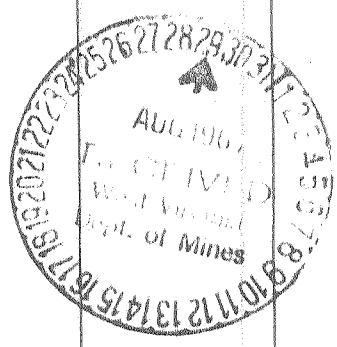
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13/8	20'	20'	
10 3/4	423'	-0-	Size of
8 1/4	1200'	-0-	Depth set
6 3/4			
5 3/16			
4 1/2	<del>2152'</del>	2152'	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Drilling commenced July 17, 1967  
Drilling completed August 10, 1967  
Date Shot From To  
With  
Open Flow 11/10ths Water in 2" Inch  
/10ths Merc. in Inch  
Volume 157,400 Cu. Ft.  
Rock Pressure 325 lbs. 12 hrs.  
Oil 20 bbls. bbla. 1st 24 hrs.

Attach copy of cementing record.  
CASING CEMENTED 1 1/2 SIZE 2152 No. Ft. 8-10-67 Date  
Amount of cement used (bags) 85 Bags  
Name of Service Co. Lawson Oil and Gas Well Cem. Co.  
COAL WAS ENCOUNTERED AT None FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) 1100 bbls. water, 41000 lbs. sand, 1000 gallons acid, and 3000 horsepower for fracture  
RESULT AFTER TREATMENT (Initial open flow or bbls.) 3,142,000 on spring gauge  
ROCK PRESSURE AFTER TREATMENT 560 HOURS 24hrs.  
Fresh Water 10 bbls. Feet 85' to 200' Salt Water Feet  
Producing Sand Injun Depth 2064-2108

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			-0-	15			
Sand			15	25			
Red Rock			25	50			
Lime			50	85			
Slate			85	110			
Red Rock			110	150			
Slate Shells			150	170			
Red Rock			170	175			
Slate Shells			175	200			
Lime			200	210			
Slate			210	264			
Red Rock			264	275			
Slate			275	334			
Red Rock			334	360			
Sand			360	366			
Red Rock			366	423			
Slate Shells			423	449			
Red Rock			449	460			
Slate Shells			460	470			
Red Rock			470	490			
Slate Shells			490	575			
Lime			575	585			
Red Rock			585	593			
Red Rock Slate Shells			593	655			
Sand			655	675			
Slate			675	690			
Red Rock			690	700			
Slate			700	714			
Red Rock			714	780			



Formation	Color	Hard or Soft	Top <sup>3</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Lime Shells		780	800			
Sand			800	830			
Slate			830	835			
Gritty Lime			835	850			
Slate Shells			850	900			
Sand			900	925			
Red Rock			925	945			
Slate Shells			945	960			
Sand			960	971			
Slate Shells			971	1015			
Sand			1015	1070			
Slate			1070	1085			
Sand			1085	1115			
Slate			1115	1116			
Sand			1116	1135			
Slate			1135	1235			
Sand			1235	1385			
Slate			1385	1387			
Sand			1387	1460			
Slate			1460	1462			
Sand			1462	1505	Show of Oil	1465	
Broken Sand			1505	1560			
Slate Shells			1560	1575			
Sand-Hard			1575	1685			
Slate			1685	1700			
Sand-Broken			1700	1740			
Gritty Lime			1740	1790			
Black Slate			1790	1810			
Sand-Broken			1810	1840			
Sand			1840	1864			
Slate Shells			1864	1870			
Gritty Lime			1870	1890			
Slate			1890	1900			
Gritty Lime			1900	1934			
Sand-Hard			1934	1960	Show of Oil	120,000 Gas	Blue Monday 18
Lime			1960	2052			
Sand - Injun			2052	2110	Show of Oil	157,400 Gas	44' Injun sand
Slate			2110	2152		2064-2108	
	Total Depth			2152			

Date August 26, 1967  
 Wolf Run Oil and Gas Co.

APPROVED \_\_\_\_\_, Owner  
 By Roland [Signature]  
 (Title) Agent