

- Fracture...
- Redrill.....
- New Location...
- Drill Deeper.....
- Abandonment.....

Source of Elevation WELL 4634 ; ELV. 1150'

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 accuracy, one part in 200

Issued 4/22/74

Company WILLARD E. FERRELL
 Address PHILADELPHIA, PA. Box 5056
 Farm S. G. GREATHOUSE et al.
 Tract _____ Acres 200 Lease No. _____
 Well (Farm) No. 5 Serial No. 3
 Elevation (Spirit Level) 1063' EC
 Quadrangle HOLBROOK 2-6-43
 County DODDRIDGE District SOUTHWEST
 Engineer James T. Jeffers
 Engineer's Registration No. 1084
 File No. 215/28 Drawing No. _____
 Date 10-3-68 Scale 1" = 500'

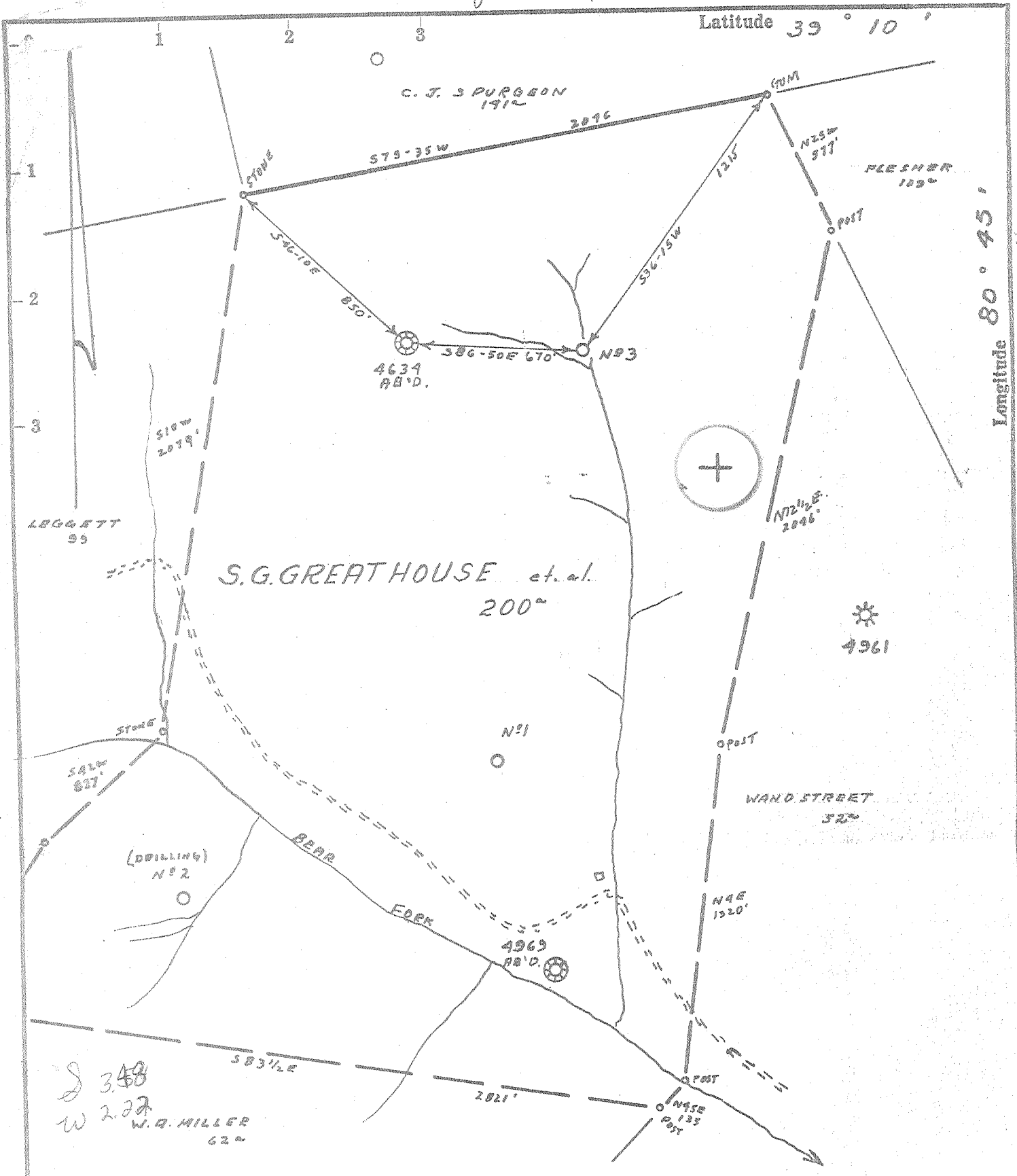
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Ded-1558-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.

47-017



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Address PHILADELPHIA, PA. Box 5056

Farm S. G. GREATHOUSE et. al.

Tract _____ Acres 200 Lease No. _____

Well (Farm) No. 5 Serial No. 3

Elevation (Spirit Level) 1063'

Quadrangle HOLBROOK SE 2-1 EC

County DODDRIDGE District SOUTHWEST

Engineer Jamuel Jeffers

Engineer's Registration No. 1084

File No. 215/28 Drawing No. _____

Date 10-3-68 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. Ded-1558

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

WELL RECORD

Oil or Gas Well Gas
(KIND)

Quadrangle.....

Permit No. DOD 1558

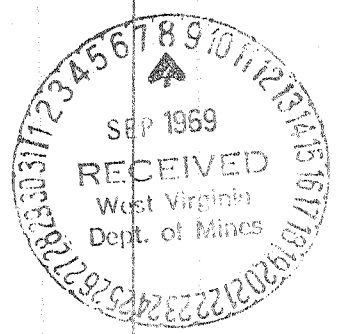
Company <u>Tel-Star Dev. Co. # 3, Willard E. Ferrell</u>	Ag. Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 5056, Philadelphia, Pa. 19111</u>	Size			Kind of Packer
Farm <u>S.G. Greathouse</u> Acres <u>200</u>	16 <u>34</u>	<u>34</u>	<u>34</u>	
Location (waters)	13			Size of
Well No. <u>Farm # 5 -- Serial # 3</u> Elev. <u>1063</u>	10 <u>149</u>	<u>149</u>	<u>149</u>	Depth set
District <u>Southwest</u> County <u>Doddridge</u>	8 1/4 <u>720</u>			
The surface of tract is owned in fee by <u>S.G. Greathouse heirs</u>	6% <u>1183</u>			Perf. top
Address <u>Auburn, W. Va. 7</u>	5 3/16			Perf. bottom
Mineral rights are owned by <u>S.G. Greathouse heirs</u>	4 1/2 <u>2005</u>	<u>2005</u>	<u>2005</u>	Perf. top
Address <u>Spring St. Weston, W. Va.</u>	3			Perf. bottom
Drilling commenced <u>May 23, 1969</u>	2			Perf. top
Drilling completed <u>June 17, 1969</u>	Liners Used			Perf. bottom
Date Shot From To				

Open Flow 2 /10ths Water in 1 Inch
 /10ths Merc. in Inch
 Volume 15M Cu. Ft.
 Rock Pressure Not Taken lbs. hrs.
 Oil bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS).....
 WELL FRACTURED (DETAILS) Using two pumps- 800 bls fluid, 500 gal acid-40M sand

Attach copy of cementing record.
 CASING CEMENTED 4 1/2 SIZE 200 No. Ft. 6/18/69 Date
 Amount of cement used (bags) 40
 Name of Service Co. Lawson
 COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 125M cuft Gas
 ROCK PRESSURE AFTER TREATMENT 275 HOURS 24
 Fresh Water Feet Salt Water Feet
 Producing Sand Big Injun Depth 1925- Total Depth 2005

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Gravel			0	35			
Red Rock			35	125			
Slate			125	150			
Red Rock			150	190			
Sand			190	203			
Slate			203	209			
Red Rock			209	260			
Slate			260	270			
Sand			270	300			
Lime			300	323			
Slate			323	335			
Red Rock-Limey			335	365			
Slate			365	385			
Red Rock			385	405			
Slate & Shells			405	440			
Red Rock			440	450			
Slate & Shells			450	480			
Sand			480	535			
Red Rock			535	556			
Slate			556	565			
Sand			565	590			
Red Rock			590	665			
Slate & Shells			665	781			
Red Rock			781	800			
Slate & Shells			800	900			
Sand			900	935			
Slate			935	955			
Sand			955	975			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			975	1020			
Slate & Shells			1020	1121			
Sand			1121	1161			
Slate			1161	1173			
Lime (Gritty)			1173	1205			
Sand			1205	1325			
Slate			1325	1330			
Sand			1330	1350			
Slate & Shells (Block)			1350	1606			
Sand			1606	1665			
Slate			1665	1723			
Sand			1723	1760			
Slate			1760	1774			
Lime (Dark)			1774	1795			
Sand			1795	1807			
Slate			1807	1814			
Lime			1814	1874			
			1874	1924			
Injun			1924	1971			
Slate			1971	1995			
Lime (Gritty)			1995	2005			
						Total Depth 2005	

Date Sept 3 1968

APPROVED

By

William E. Fennell Owner

(Title)