

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

Source of Elevation AB'D. WELL 4969, ELV. 877'

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.	1	Serial No. 2
Elevation (Spirit Level)	966'	EC
Quadrangle	HOLBROOK	SE 24 6-43 *
County	DOBDRIDGE	District SOUTHWEST
Engineer	<i>James D. Jeffers</i>	
Engineer's Registration No.	1084	
File No.	215/22	Drawing No. _____
Date	9-20-68	Scale 1" = 500'

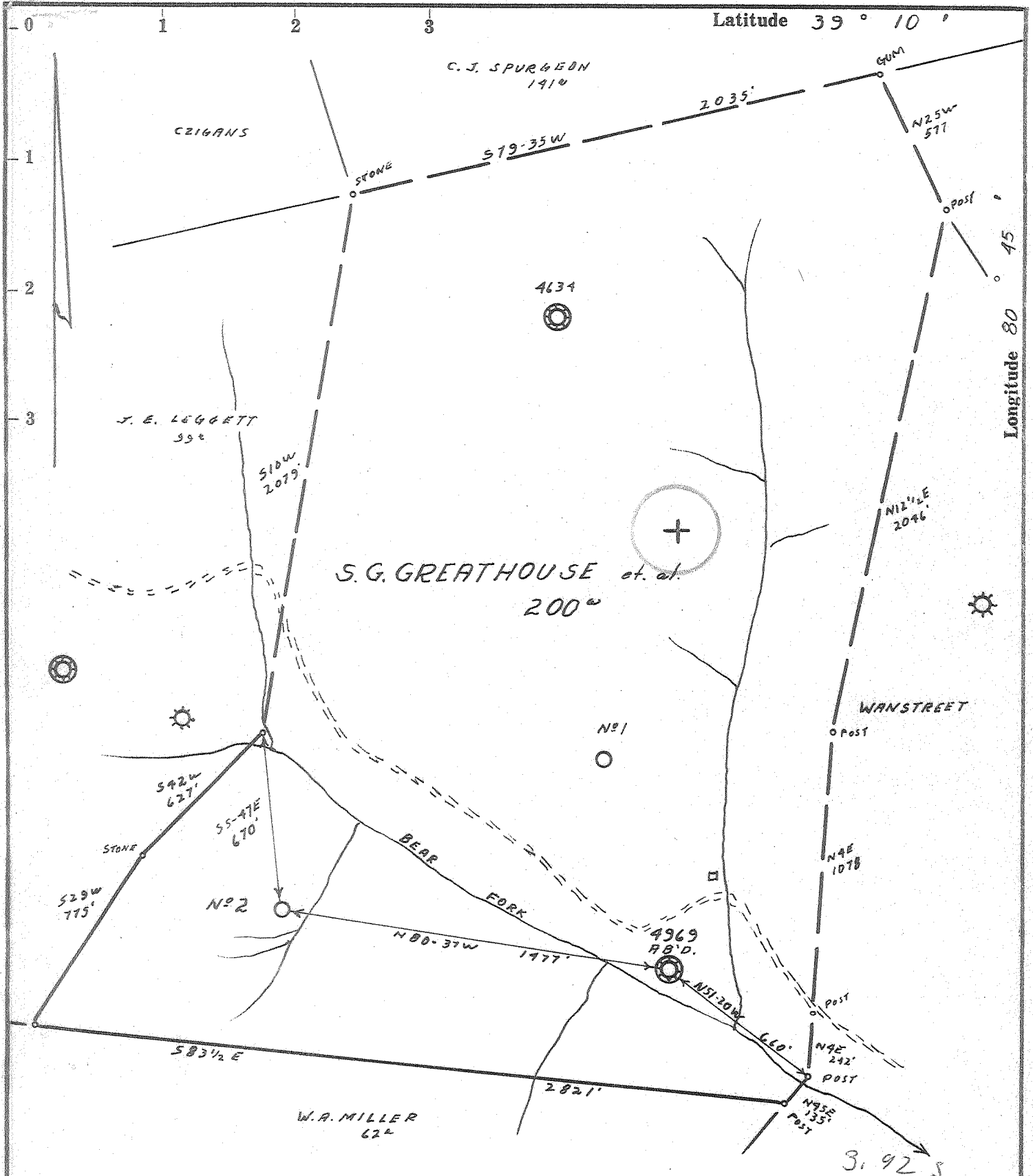
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. Dod-1533-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



Source of Elevation AB'D. WELL 4969, ELV. 877'

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Company WILLARD E. FERRELL

Address PHILADELPHIA, PA. Box 5056

Farm S. G. GREATHOUSE et. al.

Tract _____ Acres 200 Lease No. _____

Well (Farm) No. 4 Serial No. 2

Elevation (Spirit Level) 966'

Quadrangle HOLBROOK SE 2 1/2 60

County DODDRIDGE District SOUTHWEST

Engineer James J. Jeffrey

Engineer's Registration No. 1084

File No. 215/22 Drawing No. _____

Date 9-20-68 Scale 1" = 500'

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

WELL LOCATION MAP
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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

39° 15'
Halbrook 6-43
Permit No. DOD-1533

WELL RECORD

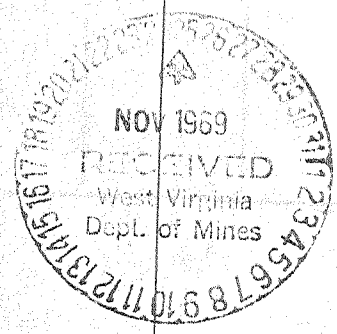
Oil or Gas Well Gas (KIND)

Company Tel-Star Development Co. Willard E. Ferrel
 Address P.O. Box 5056, Philadelphia, Pa. 19111
 Farm S. G. Greathouse Acres 200
 Location (waters) _____
 Well No. Farm # 3 Serial # 1 Elev. 966
 District Southwest County Doddridge
 The surface of tract is owned in fee by S.G. Greathouse, et al
 Address Auburn, W. Va.
 Mineral rights are owned by S.G. Greathouse, heirs
 Address Auburn, W. Va.
 Drilling commenced Oct. 14, 1968
 Drilling completed Nov. 12, 1968
 Shot From _____ To _____
 Flow 3/10ths Water in 1 Inch
_____ /10ths Merc. in _____ Inch
 Name 20M Cu. Ft.
 Pressure Not Taken lbs. _____ hrs.
None bbls., 1st 24 hrs.
 ALL ACIDIZED (DETAILS) _____
 ALL FRACTURED (DETAILS) Well was fractured Nov. 18, 1968 using 750 bls of fluid.
sand was hard and did not fracture very good.
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 40m Sand
 BACK PRESSURE AFTER TREATMENT 100MCFGPD
300 HOURS 24
 Water None Feet _____ Salt Water None Feet _____
 Producing Sand Big Injun Depth _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	18	18	Kind of Packer
13			
10	209	209	Size of
8 1/4	950		Depth set
6 1/2			
5 3/16	1980	1980	Perf. top
4 1/2			Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Attach copy of cementing record.
 CASING CEMENTED 5in. SIZE 200 No. Ft. Nov. 14 Date
 Amount of cement used (bags) 40 bags
 Name of Service Co. Lawson
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil				10			
Rock			10	75			
Rock			75	100			
Rock			100	115			
Rock			115	145			
Rock			145	155			
Rock			155	160			
Rock			160	175			
Rock			175	205			
Rock			205	250			
Rock & Shells			250	315			
Rock			315	365			
Rock & Shells			365	500			
Rock			500	525			
Rock			525	535			
Rock			535	550			
Rock			550	565			
Rock			565	660			
Rock			660	760			
Rock & Shells			760	820			
Rock			820	1100			
Rock			1100	1115			
Rock			1115	1120			
Rock			1120	1155			
Rock			1155	1175			
Rock			1175	1235			
Rock			1235	1240			
Rock			1240	1320			
Rock			1320	1515			
Rock & Shells			1515	1550			



Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
B Slate	Shells		1550	1600			
Sand			1600	1630			
Slate			1630	1670			
Sand			1670	1695			
Slate			1695	1710			
Lime			1710	1720			
Red Rock			1720	1730			
Slate & Shells			1730	1760			
L. Lime			1760	1780			
Slate			1780	1800			
B Lime			1800	1860			
Sand	Big Injun		1860	1946			
Slate			1946				
Total Depth				1972			

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)