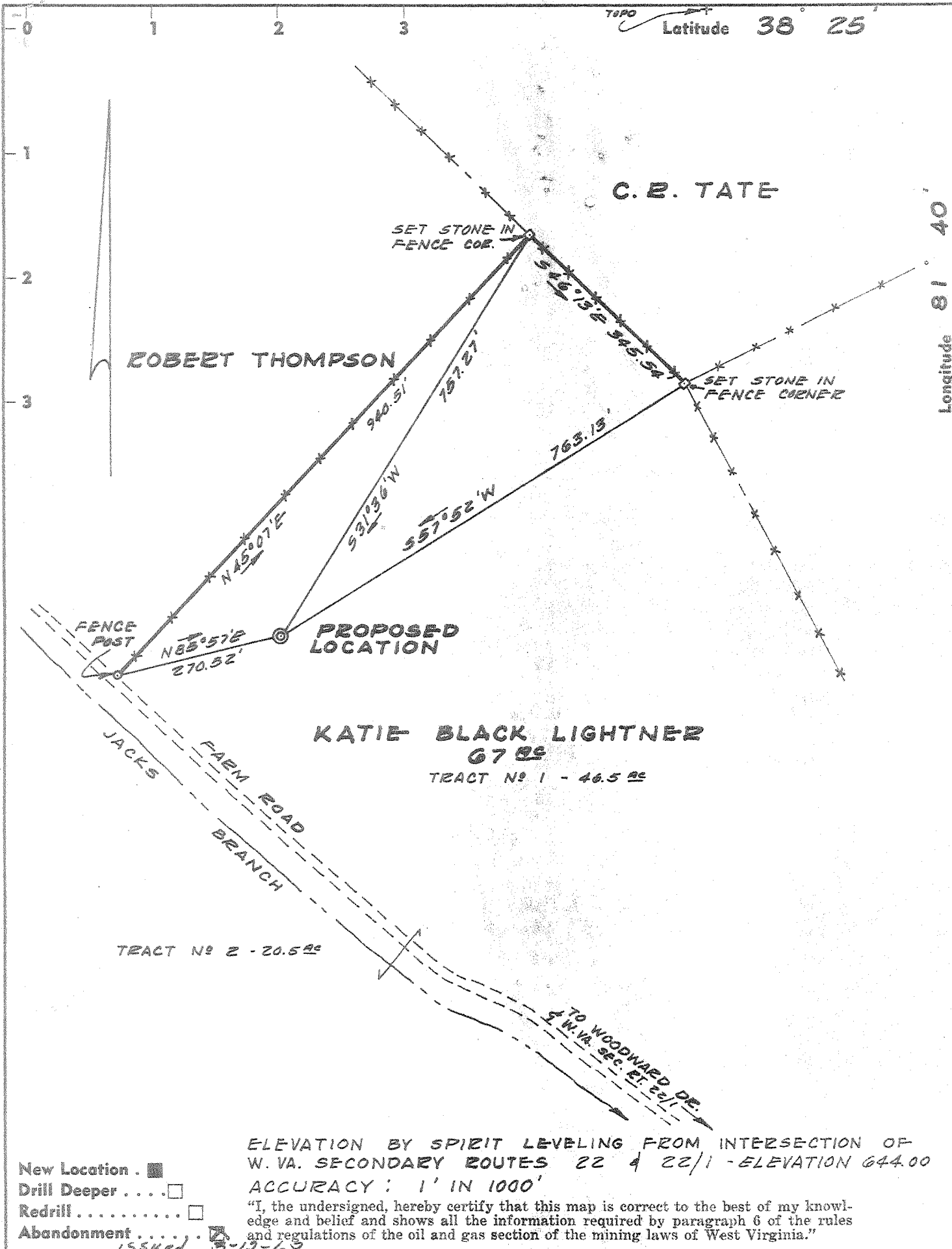


Latitude 38 25



ELEVATION BY SPIRIT LEVELING FROM INTERSECTION OF W. VA. SECONDARY ROUTES 22 & 22/1 - ELEVATION 644.00
 ACCURACY: 1' IN 1000'

"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."

ISSUED 3-12-68

- New Location
- Drill Deeper
- Redrill
- Abandonment

Company	ALLEN ENTERPRISES
Address	111 CIRCLE DR., NITBO, W. VA.
Farm	KATIE B. LIGHTNER
Tract	Acres 67 ± Lease No.
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	736.14
Quadrangle	CHARLESTON W. VA. N.W.
County	KANAWHA District UNION
Engineer	<i>J. P. Holcomb</i>
Engineer's Registration No.	1341
File No.	Drawing No.
Date	NOV. 21, 1967 Scale 1" = 200'

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

WELL LOCATION MAP

FILE NO. **KAN-2201-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.

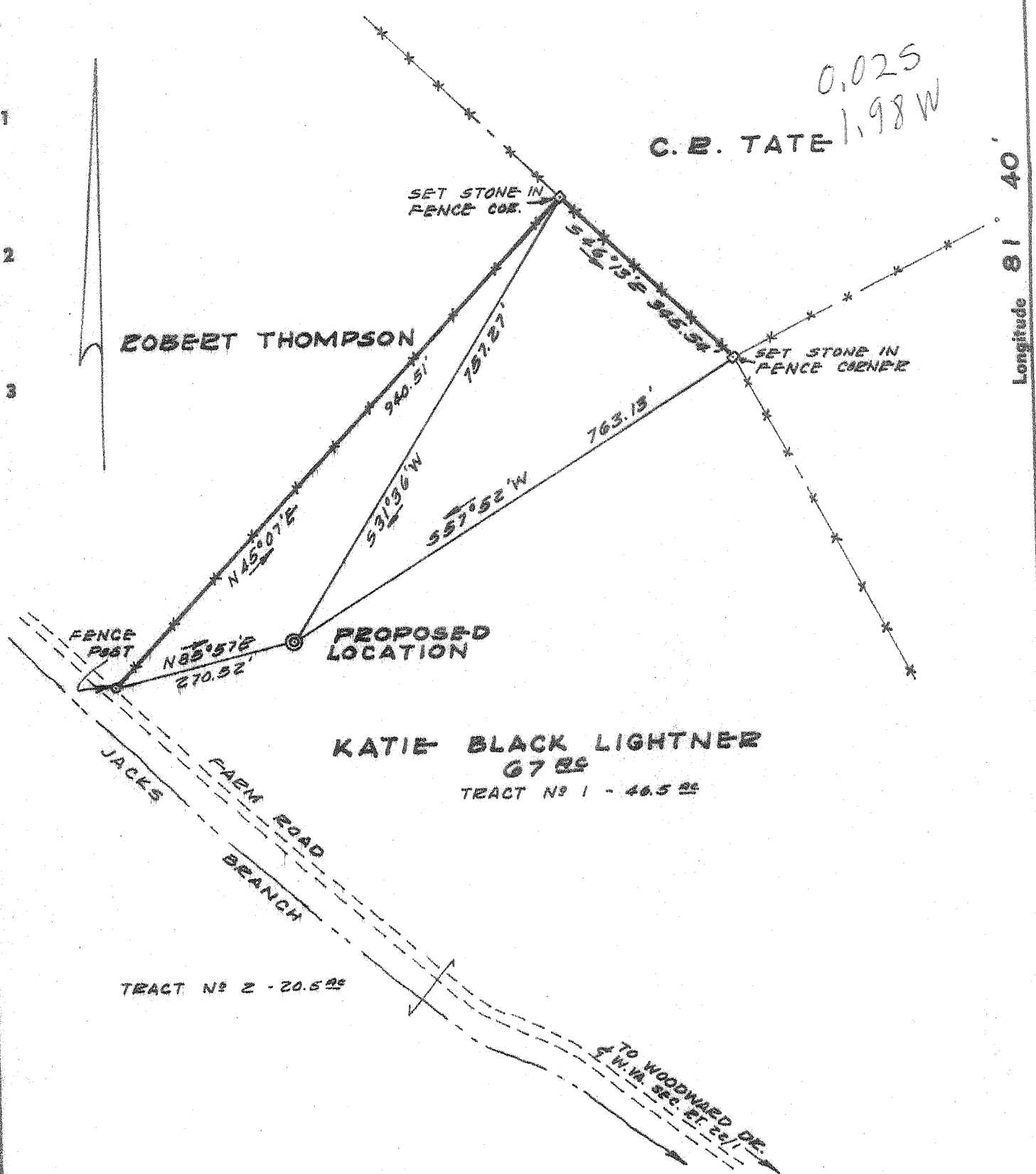
- Denotes one inch spaces on border line of original tracing.

Latitude 38 25'

0.025
1.98 W

C. E. TATE

Longitude 81 40'



ELEVATION BY SPIRIT LEVELING FROM INTERSECTION OF W. VA. SECONDARY ROUTES 22 & 22/1 - ELEVATION 644.00
ACCURACY: 1' IN 1000'

"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."

- New Location
- Drill Deeper
- Redrill
- Abandonment

Company	ALLEN ENTERPRISES		
Address	111 CIRCLE DR., NITBO, W. VA.		
Farm	KATIE B. LIGHTNER		
Tract	Acres 67	Lease No.	
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	736.14		
Quadrangle	CHARLESTON N.W.		
County	KANAWHA	District	UNION
Engineer	<i>J. A. Holshaw</i>		
Engineer's Registration No.	1341		
File No.	Drawing No.		
Date	NOV. 21, 1967		
	Scale 1" = 200'		

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

WELL LOCATION MAP
FILE NO. **KAN-2201**

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- Denotes one inch spaces on border line of original tracing.

C.G.S.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle CHARLESTON

Permit No. KAN-2201

WELL RECORD

Oil or Gas Well DRY (KIND)

Company ALLEN ENTERPRISES, INC.
Address 111 CIRCLE DRIVE, NITRO, W. VA.
Farm KATIE B. LIGHTNER Acres.....
Location (waters) KANAWHA
Well No. 1 Elev. 736.14'
District UNION County KANAWHA
The surface of tract is owned in fee by KATIE B. LIGHTNER
Address RT. 1, BOX 107, CHAS.
Mineral rights are owned by SAME
Address.....
Drilling commenced FEB. 4, 1968
Drilling completed FEB. 17, 1968
Date Shot..... From..... To.....
With.....

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16.....			
13 3/8	96		Size of.....
9 5/8	2910		Depth set.....
7	5540		
6 5/8			Perf. top.....
5 3/16			Perf. bottom.....
4 1/2			Perf. top.....
3			Perf. bottom.....
2			
Liners Used.....			

Open Flow /10ths Water in..... Inch
/10ths Merc. in..... Inch
Volume..... Cu. Ft.
Rock Pressure..... lbs..... hrs.
Oil NONE bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) NO
WELL FRACTURED (DETAILS) NO

Attach copy of cementing record.
CASING CEMENTED..... SIZE..... No. Ft..... Date
Amount of cement used (bags) 235
Name of Service Co. WELL SERVICE
COAL WAS ENCOUNTERED AT NONE FEET..... INCHES
FEET..... INCHES FEET..... INCHES
FEET..... INCHES FEET..... INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.).....
ROCK PRESSURE AFTER TREATMENT..... HOURS.
Fresh Water NONE Feet..... Salt Water NONE Feet.....
Producing Sand..... Depth.....

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
SOIL			0	20			
RED CLAY & SHELL			20	35			
BROKEN SAND			35	75			
SAND (HARD)			75	145			
BROKEN SAND & SHELL			145	245			
LIME & SHELL			245	485			
SAND			485	635			
SHALE & LIME			635	725			
BROKEN SAND & SHALE			725	770			
SHALE			770	825			
SAND			825	910			
BROKEN SAND & SHALE			910	1275			
SAND			1275	1355			
SHALE			1355	1385			
SAND & SHALE			1385	1415			
SAND			1415	1525			
SHALE			1525	1650			
✓ LIME - BIG			1650	1790			
✓ INJUN			1790	1845			
SHALE			1845	4740			
✓ CORNIFEROUS LIME			4740	4840			
✓ ORISKANY SAND			4840	4870			
LIME & SHALE STRING			4870	5540			
DOLOMITE			5540	5570			
✓ NEWBERG SAND			5570	5591			
✓ DOLOMITE & SAND (McKenzie)			5591	5625 TD			