

CERTIFICATE

"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 degree of accuracy is one part in 200

Signed *Fred A. Radford*

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY **RADFORD & FRAME**
 ADDRESS **ELKVIEW, W. VA.**
 FARM **AUBREY HANNA**
 MAP _____ ACRES **65 ±** LEASE NO _____
 WELL (FARM) NO **1** SERIAL NO _____
 ELEVATION (SPIRIT LEVEL) **930'**
 QUADRANGLE **CHARLESTON** *NE*
 COUNTY **KANAWHA** DISTRICT **ELK**
 POINT OF PROVEN ELEVATION **USGS B M S 50° E - 600'**
FROM LOCATION
 FILE NO _____ DRAWING NO _____
 DATE **NOV., 1968** SCALE **1" = 400'**

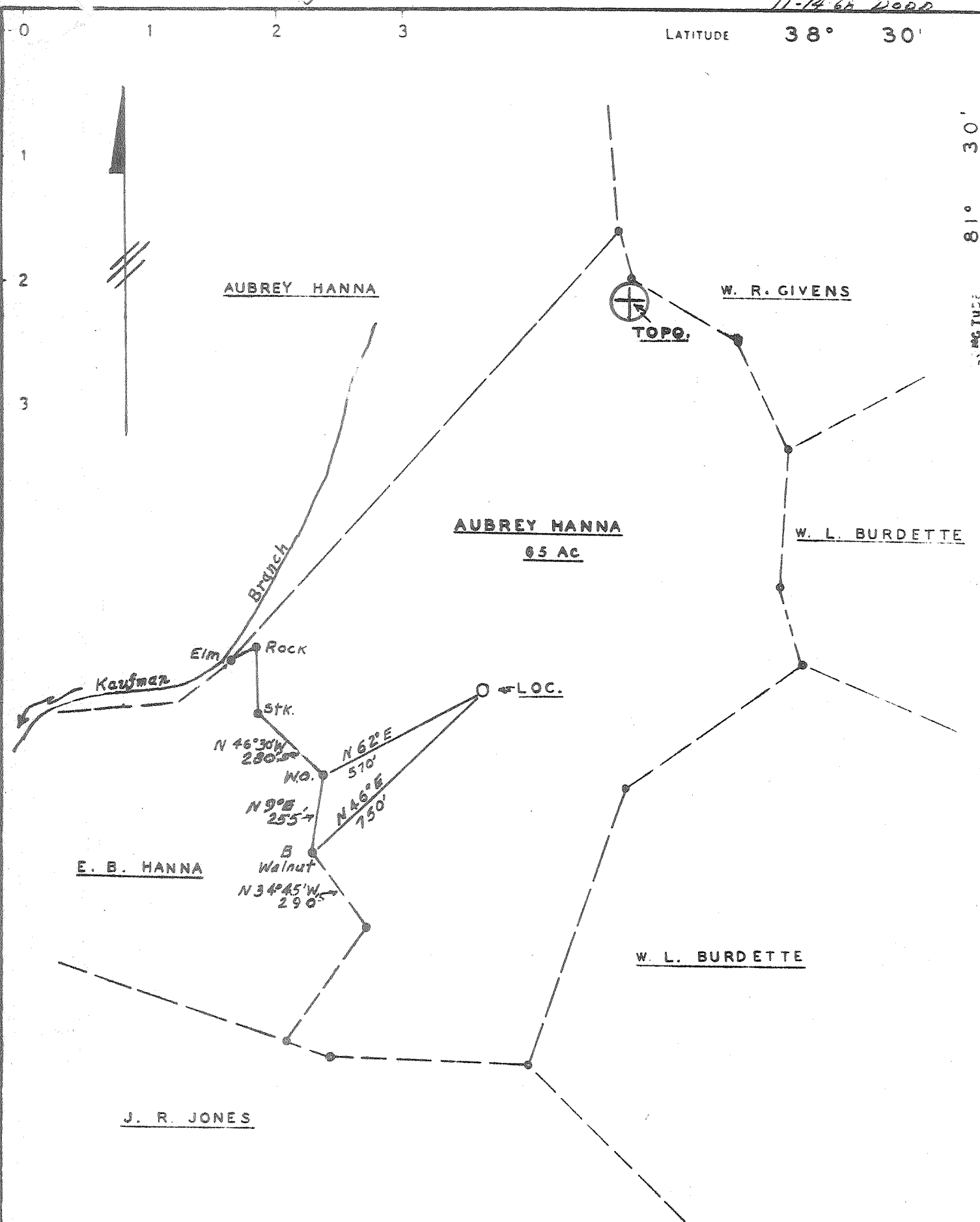
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO **KAN-2333**

+ 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

*6-6 Cooper Creek 331
 Deep Well (Newburg) 6*

NOV 26 1968

11-14-68 2000



CERTIFICATE

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 degree of accuracy is one part in 200

Signed *W. R. Givens*

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT *issued 6/14/74*

COMPANY ~~RADFORD & FRAMER'S~~ Gas and Oil, Inc.
 ADDRESS ~~ELKVIEW, W. VA.~~ 245 South Church St
 RIPLEY, W. VA.
 FARM AUBREY HANNA 65 ± ACRES
 MAP _____ ACRES 65 ± LEASE NO _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 930'
 QUADRANGLE CHARLESTON NE
 COUNTY KANAWHA DISTRICT ELK
 POINT OF PROVEN ELEVATION USGS B M S 30° E - 000'
 FROM LOCATION
 DATE NOV., 1968 DRAWING NO. _____ SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. *KAN-2333-P*
 * DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1" TO 62,500'. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BOLDER LINES AS SHOWN 47-039
 DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

Deep well

JUL 1 1974



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Rotary 1,750' to T.I

Spudder 0' to 1,750'

Cable Tools

Storage

Oil or Gas Well Gas
(KIND)

Form OG-10

Quadrangle Charleston

Permit No. KAN-2333

Company Radford and Frame
Address Box 6, Winfield, W. Va. 25213
Farm Aubrey Hanna Acres 65 Ac.
Location (waters) Kaufman Branch of Coopers Creek
Well No. 1 Elev. 930
District Elk County Kanawha
The surface of tract is owned in fee by Aubrey Hanna
Address Crede, W. Va.
Mineral rights are owned by Same as above
Address _____
Drilling commenced October 1968
Drilling completed April 1969
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	15'	15'	
10	300'	300	Size of
8-5/8	1,623	1,623	
6 5/8			Depth set
5-1/2	5,785	5,785	
4 1/2			
3			Perf. top
2-3/8	-	5,808	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 10,000,000 (Est.) Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record. 800' 2/3/69
CASING CEMENTED 5-3/16 SIZE 700' No. Ft. 4/1/69 Date
Amount of cement used (bags) 8-5/8 (50bags) 5 1/2 (75 bags)
Name of Service Co. Well Service (8-5/8") Dowell (5 1/2")
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 500 Gal. Acid, 30,000 lbs. Sand, 900 bbls. Water, Break Down 5,000 psig

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 21,000 McF 21,000,000
ROCK PRESSURE AFTER TREATMENT 2,227 HOURS 72

Fresh Water _____ Feet _____ Salt Water Hole Full _____ Feet 1170
Producing Sand Newberg Depth 5,815

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Slate and Red Rock			0	300			
Sand			300	400			
Slate			400	600			
Sand			600	840			
Slate			840	975			
Sand			975	995			
Slate-Shells			995	1,050			
Salt Snad			1,050	1,340	Oil	1,090	Show
Slate & Shells			1,340	1,390	Water	1,170	Hole Full
Sand			1,390	1,475	Gas	1,180	Show
Slate & Sheels			1,475	1,490			
Sand			1,490	1,512			
Slate			1,512	1,517			
Sand			1,517	1,530			
Little Lime			1,530	1,565			
Shale			1,565	1,575			
Lime			1,575	1,607			
Shale			1,607	1,609			
Big Lime			1,609	1,730			
Injun Sand			1,730	1,750	Gas	1,740	Show
Slate			1,750	1,800			
Shale			1,800	4,930			
Lime			4,930	5,815			
Newberg S			5,815	5,821	Gas	5,817	
Lime and Dolomite	<u>McKenzie</u>		5,821	5,830			
Total Depth				5,830 KBM.			

