

ACCURACY: 1/1000
ER. 1/2' / MILE

Source of Elevation SHERMAN (571')

- New Location **REVISED 7/10/69**
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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 7-30-69

Chet Waterman

Company	<u>R.F.S. GAS & OIL, INC.</u>
Address	<u>CHARLESTON, W.VA.</u>
Farm	<u>E.E. KIDDER</u>
Tract	Acres <u>10 1/2</u> Lease No. _____
Well (Farm) No.	<u>1</u> Serial No. _____
Elevation (Spirit Level)	<u>577.9 N.T.</u>
Quadrangle	<u>RAVENSWOOD NE</u>
County	<u>JACKSON</u> District <u>RAVENSWOOD</u>
Engineer	<u>CHET WATERMAN</u>
Engineer's Registration No.	<u>3788</u>
File No.	<u>69003-269</u> Drawing No. _____
Date	<u>7/10/69</u> Scale <u>1" = 100'</u>

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

WELL LOCATION MAP

FILE NO. JAC-1179 REVISED
Jac 1179-P 7/10/69

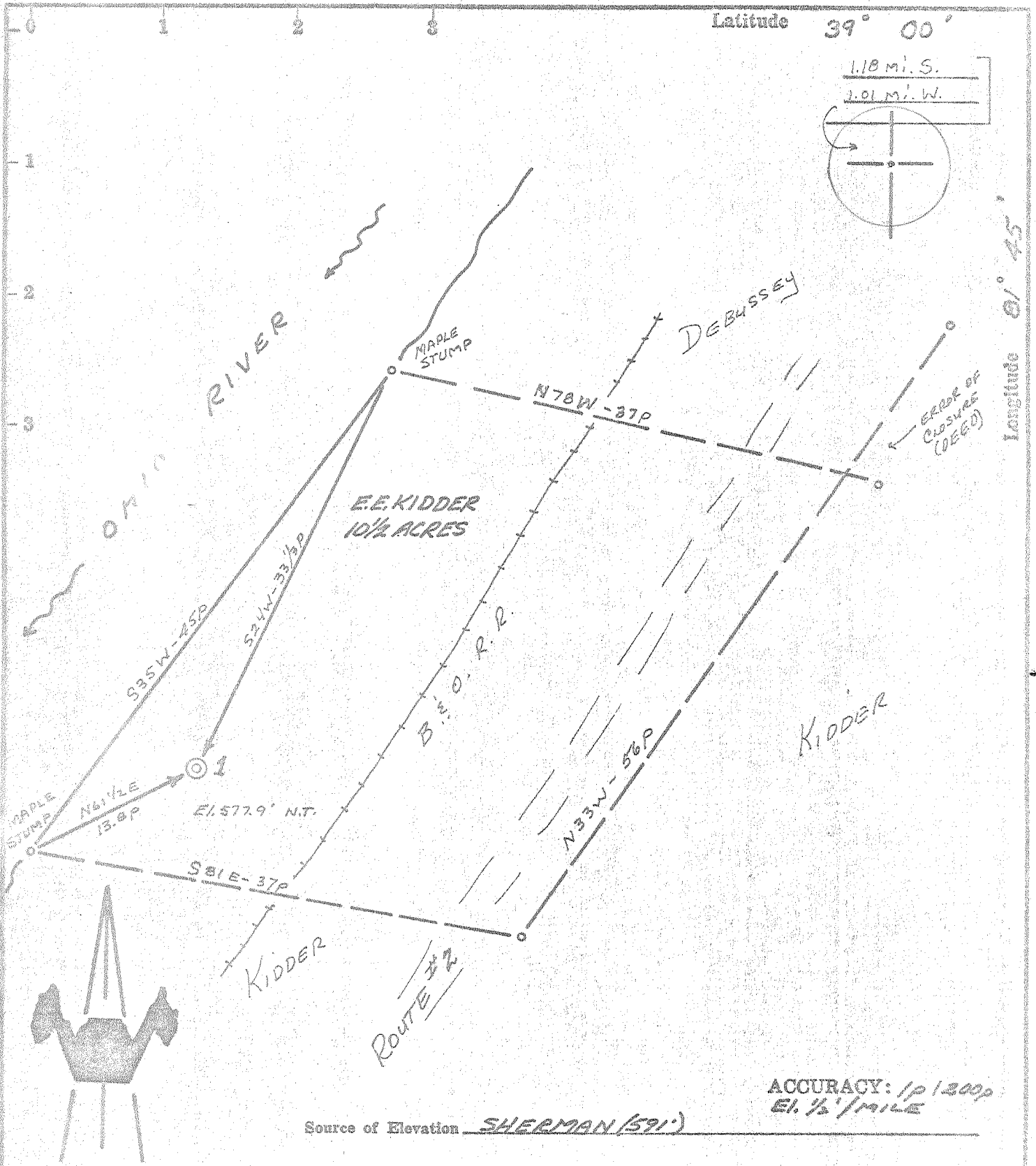
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

Deep Well (Newburg)

5-0 Groundhog Creek 337

AUG 11 1969



ACCURACY: 1p/200p
El. 1/2' / MILE

Source of Elevation SHERMAN (591')

- New Location REVISED 7/10/69
- Drill Deeper
- Abandonment
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- Redrill

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.

Chet Waterman

Company R.E.S. GAS & OIL, INC.
 Address CHARLESTON, W.V.A.
 Farm E.E. KIDDER
 Tract Acres 10 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 577.9 N.T.
 Quadrangle RAVENSWOOD NE
 County JACKSON District RAVENSWOOD
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 69003-269 Drawing No. _____
 Date 7/10/69 Scale 1" = 100'

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

WELL LOCATION MAP
FILE NO. JAC-1179 REVISED 7/10/69

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Deep Well (Newburg)
JUL 18 1969



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Rotary
Spudder
Cable Tools
Storage

Quadrangle RAVENSWOOD

Permit No. JACK 1179

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company R. S. GAS & OIL, INC.
Address CHARLESTON, W. VA.
Farm E. E. KIDDER Acres 10 1/2
Location (waters) OHIO RIVER
Well No. 1 Elev. 577.9 R.A.T.
District RAVENSWOOD County JACKSON
The surface of tract is owned in fee by W. G. STALNAKER
Address CHARLESTON, W. VA.
Mineral rights are owned by L. L. KIDDER
CALIFORNIA Address _____
Drilling commenced 7/18/69
Drilling completed 7/28/69
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____
RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water 150' Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	91	91	
10 9/8	1596.49	1596.49	Size of
8 7/8	4850	4850	Depth set
6 3/8			
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 13 3/8 SIZE 91 No. Ft. 7/19/69 Date
Amount of cement used (bags) 65
Name of Service Co. WELL SERVICE
COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
9 5/8 - 1596.49 - 7/23/69 - 40 SACS - HOLLAND
7 - 4850 - 7/28/69 - 200 "

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
SAND			50	80			
SAND			80	100			
RED ROCK SHALE			100	145			
RED ROCK			145	175	WATER	150	FRESH
SAND & SHALE			175	210			
RED ROCK SHALE			210	285			
SAND WITH SHALE			285	420			
SHALE			420	495			
SAND			495	510			
SHALE			510	625			
SHALE			625	855			
SHALE SAND			855	1030			
SAND			1030	1135			
SAND			1135	1230			
SANDY SHALE			1230	1370			
SAND & SHALE			1370	1405			
SHALE			1405	1412			
SANDY LIMESTONE			1412	1459			
Big LIMESTONE			1449	1505			
WENJUN			1505	1528			
SHALE			1528	1950			
SHALE			1950	1972			

1950
598
1972

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Galena			1577	1177			
McKenzie	Black shale		34101	4158			
Helena			4188	4208			
Helena			4878	4878			
Helena			4878	4878			
McKenzie			4898	4940			
		T.D.	4940				
			545				
						4878	
						4188	
						<u>690</u>	
					4878		
					580		
					42		

Date _____, 19__

APPROVED _____, Owner

By _____ (Title)