

2.58 Mi. S
3.68 Mi. W.

E. E. MURRAY
76 ACRES

ACCURACY: 1p/200p

Source of Elevation CASCO TRIANGULATION (1035')

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
- Abandonment
- Fracture
- Redrill

Chet Waterman

Company R & S Oil & Gas, Inc.
 Address CHARLESTON, W. VA.
 Farm E. E. MURRAY
 Tract _____ Acres 76 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 853'
 Quadrangle RIPLEY Wc
 County WICKESBURG District BRANTLEY
 Engineer CHET WATERMAN
 Engineer's Registration No. 3783
 File No. 70002-127 Drawing No. _____
 Date 1/22/70 Scale 1" = 200'

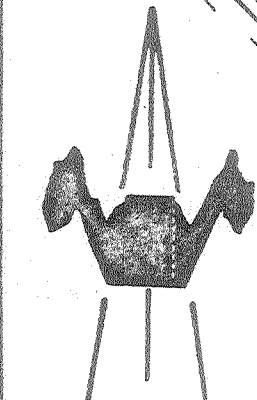
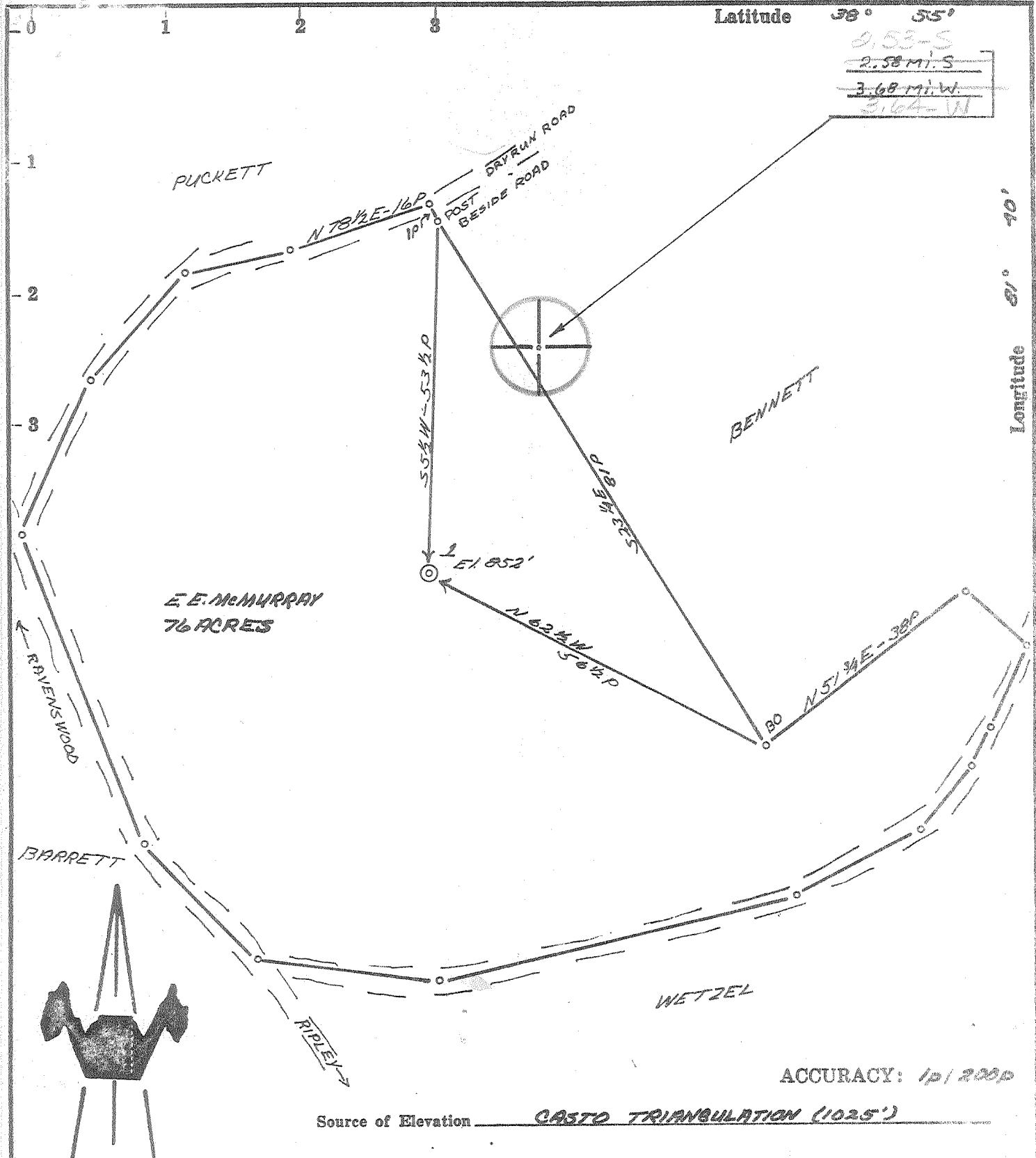
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. Jac-1205-F

+ 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



ACCURACY: 1/2000

Source of Elevation CASTO TRIANGULATION (1025')

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
- Abandonment
- Fracture
- Redrill

Chet Waterman

Company	<u>W.C. STALNAKER</u>		
Address	<u>CHARLESTON, W.VA.</u>		
Farm	<u>E.E. McMURRAY</u>		
Tract	Acres	<u>76</u>	Lease No.
Well (Farm) No.	<u>2</u>	Serial No.	
Elevation (Spirit Level)	<u>852'</u>		
Quadrangle	<u>RIPLEY WC</u>		
County	<u>JACKSON</u>	District	<u>RAVENSWOOD</u>
Engineer	<u>CHET WATERMAN</u>		
Engineer's Registration No.	<u>3788</u>		
File No.	<u>70003-137</u>	Drawing No.	
Date	<u>4/23/70</u>	Scale	<u>1" = 200'</u>

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

WELL LOCATION MAP
FILE NO. Jac-1205

+ 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 Ripley 311

MAY 4 1970

Deep Well
(Newburn)

RECEIVED

JUN 2 1970

Form OG-10



OIL & GAS DIVISION DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 2

- Rotary [x] Spudder [] Cable Tools [] Storage []

Quadrangle Ripley Permit No. Jac - 1205

WELL RECORD

Oil or Gas Well (Gas) (KIND)

Company W. C. Stalnaker Address Charleston, W. Va. Farm E. E. McMurray Acres 76 Location (waters) GL852-4' Well No. 1 Elev. KB860 District Ravenswood County Jackson

Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Packers. Includes data for sizes 16, 13, 10, 8 1/4, 6 3/8, 5 3/16, 4 1/2, 3, 2 and depths 55', 2310, 5575, 5612.

The surface of tract is owned in fee by... Mineral rights are owned by Same... Drilling commenced 5-3-70 Drilling completed 5-17-70

Open Flow /10ths Water in... /10ths Merc. in... Volume Cu. Ft. Rock Pressure lbs. hrs. Oil bbls., 1st 24 hrs.

Attach copy of cementing record. CASING CEMENTED... SIZE... No. Ft. Date... Amount of cement used (bags) See over... Name of Service Co. COAL WAS ENCOUNTERED AT FEET INCHES

WELL ACIDIZED (DETAILS)... WELL FRACTURED (DETAILS) Dow. 5-20-70 500 gals MA 30,000# 20/40 972 bbls. H2O

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 90% side static thru 4" in 2 hrs. 66.6MMcf... ROCK PRESSURE AFTER TREATMENT... Fresh Water... Salt Water... Producing Sand Newburg Depth

Main stratigraphic table with columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Lists formations from Gamma Ray and drillers record on nearby well.

JUN 15 1970

Formation	Color	Hard or Soft	Top Σ	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Lime & Sand	- 3AD		2000	2025			
✓ Sand, Injun			2025	2135			
✓ Sand, Liney	- SQUAW & WEIR		2135	2310			
Shale			2310	2460			
✓ Coffee Shale			2460	2490			
✓ Berea Sand			2490	2500			
Shale			2500	4772			
✓ Corniferous	- 46 ³		4772	4870			
✓ Criskany			4870	4896	92.5 Mcf		
✓ Helderberg			4896	5100			
✓ Salina			5100	5602			
✓ Newburg			<u>5602</u>	<u>5620</u>	Gas bubbles in drilling fluid		
✓ Dolomite & Shale	McKenzie		5620				
Total Depth				5634			
				545			
Newburg drilled in under hole full of salt water							
						5602	5602
						860	4870
						<u>4742</u>	<u>734</u>
13" cem. 5-3-70 w/							
8 5/8" cem 5-10-70 w/ 550 ft ³ by Dowell							
5 1/2" cem. 5-15-70 w/210 ft ³ by Dowell							

Date May 25, 1970

APPROVED W. C. Stalnaker Owner

By Gene Hany, Oil & Gas Consultant
(Title)