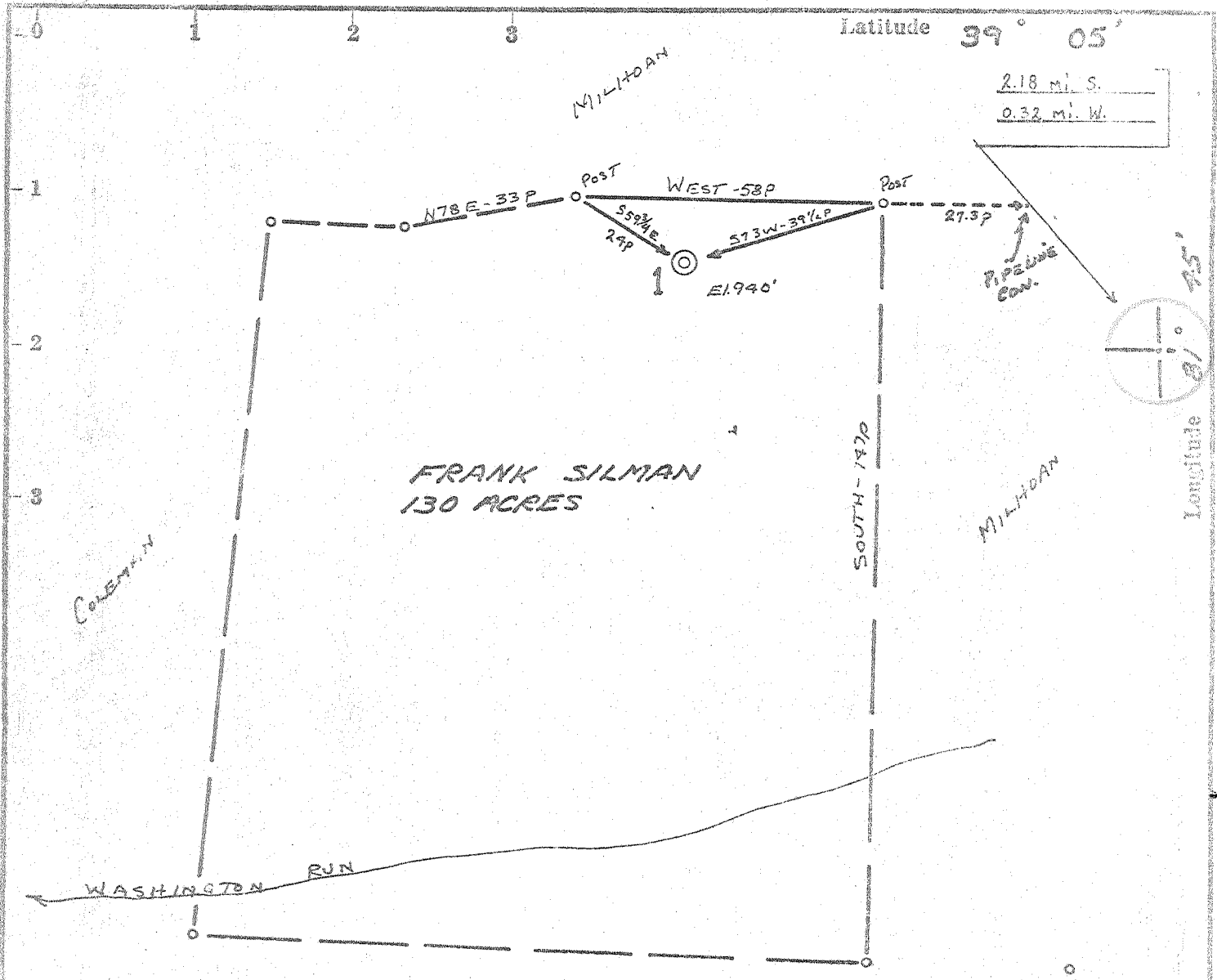


21-6



FRANK SILMAN  
130 ACRES

2.18 mi. S.  
0.32 mi. W.

COLEMAN

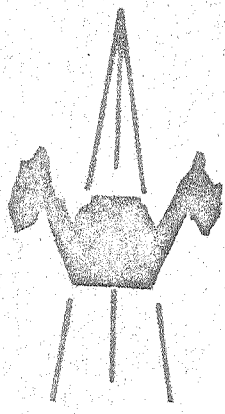
MILITARY

MILITARY

SOUTH-1470

WASHINGTON RUN

DELONG



ACCURACY: 1/2000

Source of Elevation JUNG. WASH. RUN RD. & W. VA. RT. #2 (525)

- New Location  *REVISED 3/3/69*
- Drill Deeper
- Abandonment  *issued 7-8-69*
- 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.

*Chet Waterman*

Company	<u>R. E. S. GAS &amp; OIL, INC.</u>	
Address	<u>CHARLESTON, W. VA.</u>	
Farm	<u>FRANK SILMAN</u>	
Tract	Acres <u>130</u>	Lease No. _____
Well (Farm) No.	<u>1</u>	Serial No. _____
Elevation (Spirit Level)	<u>940'</u>	
Quadrangle	<u>KENO</u>	<u>SE</u>
County	<u>JACKSON</u>	District <u>GRANT</u>
Engineer	<u>CHET WATERMAN</u>	
Engineer's Registration No.	<u>3788</u>	
File No.	<u>69003-49</u>	Drawing No. _____
Date	<u>3/3/69</u>	Scale <u>1" = 300'</u>

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

WELL LOCATION MAP

FILE NO. JAG-1165-REV-P

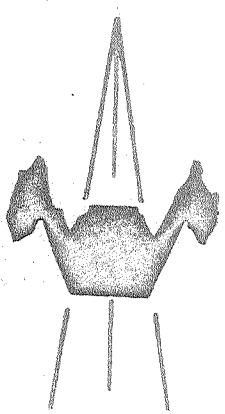
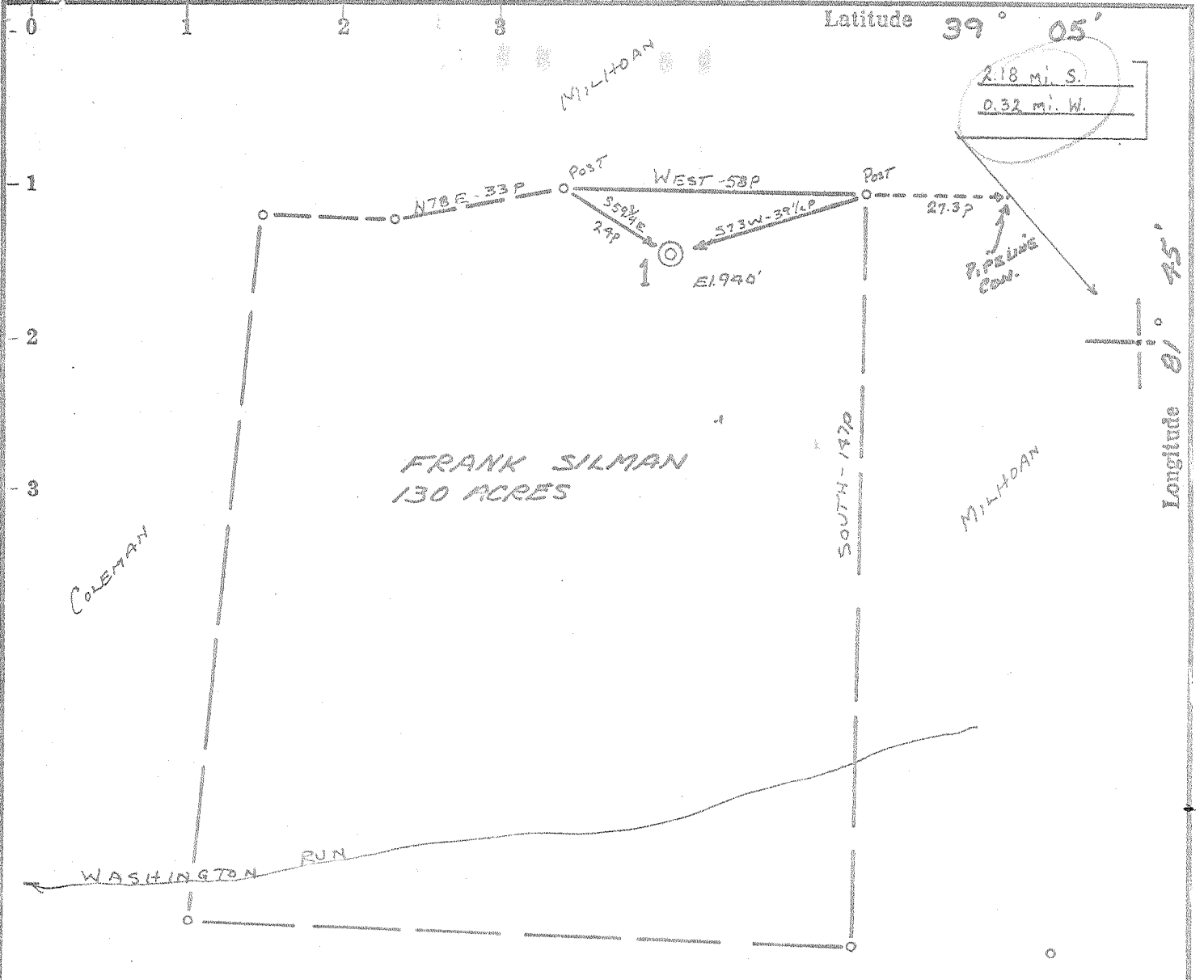
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

3-0 Neptune 255 Deep well

JUL 18 1969

3/5/69



DELONG

ACCURACY: 1P/200P

Source of Elevation JUNG WASH. RUN RD. & W.VA. RT. 42 (575')

- New Location  **REVISED 3/3/69**
- 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.

*Chet Waterman*

Company	<u>R. E. S. GAS &amp; OIL, INC.</u>	
Address	<u>CHARLESTON, W. VA.</u>	
Farm	<u>FRANK SILMAN</u>	
Tract	Acres <u>130</u>	Lease No. _____
Well (Farm) No.	<u>1</u>	Serial No. _____
Elevation (Spirit Level)	<u>940'</u>	
Quadrangle	<u>KENO</u>	<u>5E</u>
County	<u>JACKSON</u>	District <u>GRANT</u>
Engineer	<u>CHET WATERMAN</u>	
Engineer's Registration No.	<u>3788</u>	
File No.	<u>69003-49</u>	Drawing No. _____
Date	<u>3/3/69</u>	Scale <u>1" = 30P</u>

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

WELL LOCATION MAP  
FILE NO. JAS-1165-REV

+ 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.

Neptune 255

Deep Well (Newberg)?

MAR 16 1969



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Keno Quad.  
Permit No. Jack-1165 Rev.

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company R & S Gas & Oil, Inc.  
Address 1-C--Town House, Charleston, W. Va.  
Farm Frank Silman Acres 130  
Location (waters) Washington Run KB 950  
Well No. 1 Elev. GL 940  
District Grant County Jackson  
The surface of tract is owned in fee by Frank Silman  
2660 Fairgreen Dr. Address Pittsburg, Pa.  
Mineral rights are owned by Frank Silman et al.  
" " Address " "  
Drilling commenced 3-6-69 7-11-69  
Drilling completed 3-21-69 7-12-69  
Date Shot From To  
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	31	31	
9 5/8	2309	2309	Size of
8 1/4			
7"	5197	997	Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

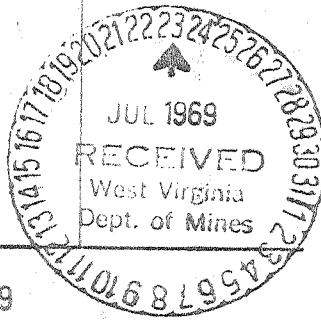
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS)  
Not acidized  
WELL FRACTURED (DETAILS)  
Not fractured  
RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT HOURS  
Fresh Water Feet Salt Water Feet  
Producing Sand Depth

Attach copy of cementing record.  
CASING CEMENTED 13 3/8 SIZE 31 No. Ft. 3-6-69 Date  
Amount of cement used (bags) 12 sacks  
Name of Service Co. Contractor  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES  
9 5/8" - 2309' - 3-16-69 625 sacks -  
7" - 5197-3-20-69-150 sacks - Lawson  
Dowell

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
LITHOLOGY FROM SAMPLES & GAMMA LOG - WELL LOGGED 3-22-69 & 6-12-69 BIRDWELL							
SAND			0	28			
SHALE			28	38			
SAND			38	54			
SHALE			54	382			
SAND			382	418	WATER	400'	
SHALE			418	620			
SAND			620	671			
SHALE			671	690			
SAND			690	718			
SHALE			718	754			
SAND			754	788			
SHALE			788	1075			
SAND			1075	1108			
SHALE			1108	1130			
SAND			1130	1134			
SHALE			1134	1200			
SAND			1200	1205			
SHALE			1205	1220			
SAND			1220	1229			
SHALE			1229	1322			
SAND			1322	1359			
SHALE			1359	1396			
SAND			1396	1460			
SHALE			1460	1530			
SAND			1530	1570			
SHALE			1570	1580			
SILTSTONE			1580	1607			

DRILLING RECORD

0-400 Air  
400-2309 Fluid (Water)  
2309-5197 Air  
5197-5455 Foam - *near to mid backset*  
5455-6040 Air



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
SHALE			1607	1680			
SAND			1680	1725			
SHALE			1725	1745			
BIG LIMB	340		1745	1792			
SHALE			1792	1803			
SAND			1803	1814			
SHALE			1814	2238			
COFFEE SHALE			2238	2257			
BEREA HORIZON			2257	2260			
SILURIAN			2260	4398			
ONONDAGA - HUNTERSVILLE - 463			4398	4500			
ORISKA Y			4500	4533			
HELDERBERG			4533	4708	5197	5197	
TOP OF SILURIAN			4708		4398	940	
DOLOMITE & ANHYDRITE			4708	5197			
NEWBURG			5197	5219	799	4257	
SHALY DOLOMITE			5219	5228			
McKENZIE			5228	5317			
LOCKPORT			5317	5512			
KEEPER			5512	5534	22		
RED & GRAY SHALE (ROSE HILL)			5534	5814			
CLINTON SAND SECTION Tuscarora			5814	6011			
RED MEDINA (JUNIATA)			6011	6040			
			T. D. DRILLER	6040	615		
			T. D. LOGGER	6038			
CHRONOLOGICAL SEQUENCE OF EVENTS:							
3-6-69	Commenced drilling						
3-6-69	Ran 31' of 13 3/8 casing - cemented with 12 sacks (contractor)						
3-16-69	Ran 2309' of 9 5/8 casing - cemented with 625 sacks (Lawson)						
3-20-69	Ran 5197 of 7" casing - cemented with 150 sacks (Dowell)						
3-22-69	Drilled to 5455 and logged well; Gamma-Density (Birdwell)						
7-11-69	Commenced drilling deeper						
7-12-69	Drilled to 6040 and logged well; Gamma, Density, Induction, Temperature, (Birdwell)						
5200	Willis						
5100	Mck dol			5197	5197		
5000	Lockport						
	dol.						
5200	Keeper						

Date 7-17-69, 19\_\_

APPROVED R & S OIL & GAS, INC., Owner

By W. D. Stalmer, Jr.  
(Title)

6040  
4533  
1507 expl. footage.