

Source of El. B.M. of M.C. Olive
El. 927.00

Minimum Error of Closure: 8 FT in 200 PTS

"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
- Drift Deeper
- Redrill
- Abandonment

VACATION ESTATES, INC.

Company Vacation Estates, Inc.
 Address 12 CAPITOL ST. CHARLESTON, W. VA.

Farm Earl W. Alford Jr

Tract 100 Acres 90 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 965.3

Quadrangle Glenwood SE

County Mason District Hannon

Engineer Charles O. Herwig

Engineer's Registration No. 811

File No. _____ Drawing No. _____

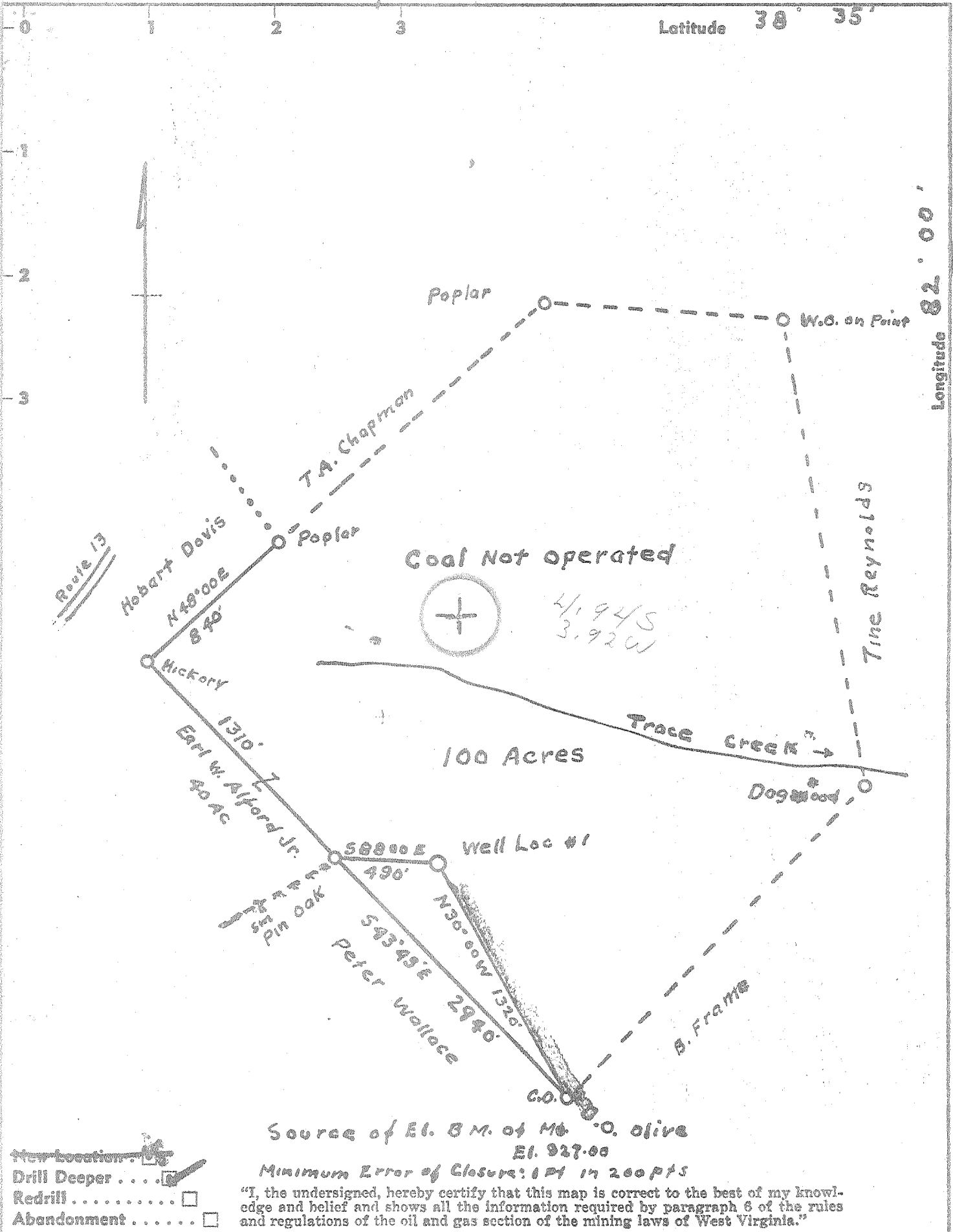
Date June 12 1970 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. MAS-III-DD: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.



- Well Location
- Drill Deeper
- Redrill
- Abandonment

VACATION ESTATES, INC.

Company ~~James Earl Co~~
12 CAPITOL ST. CHARLESTON, W. VA.

Address ~~Am. Harbor~~

Farm Earl W Alford Jr

Tract _____ Acres 100 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 965.3

Quadrangle Glenwood SE

County Mason District Hannan

Engineer Charles O. Derrwig

Engineer's Registration No. 811

File No. _____ Drawing No. _____

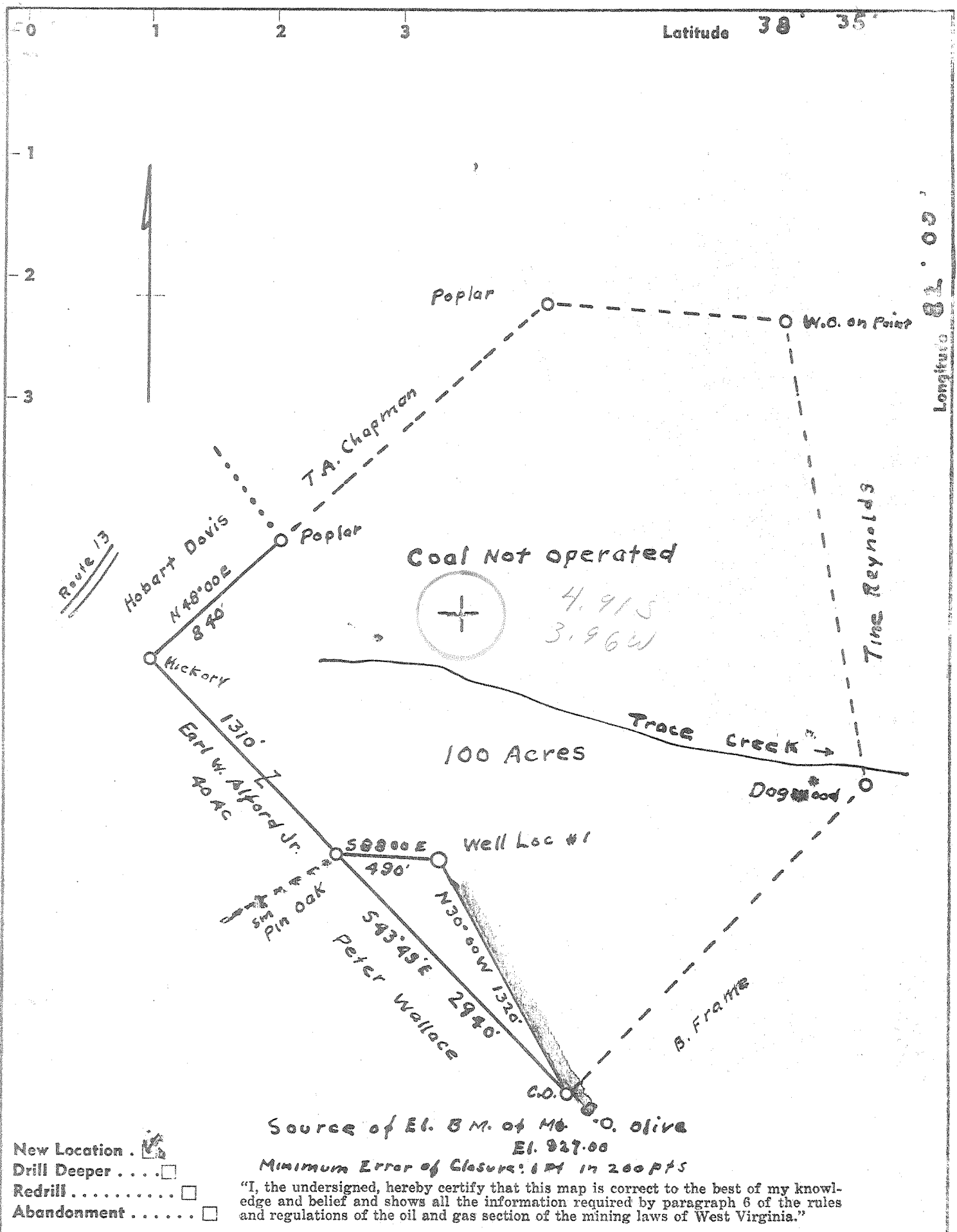
Date June 12 1970 Scale 1" = 600'

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

WELL LOCATION MAP
FILE NO. MAS-111-DD

+ 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.



Company James L Fox Co

Address Ann Arbor Mich.

Farm Earl W Alford Jr

Tract 100 Acres 40 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 965.3

Quadrangle Glenwood SE

County Mason District Hannan

Engineer Charles O. Herwig

Engineer's Registration No. 811

File No. _____ Drawing No. _____

Date June 12 1970 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. MAS-111

+ 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.



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle GLENWOOD -7

Permit No. Mas 111

WELL RECORD

Oil or Gas Well Dry (KIND)

Company <u>James L. Fox</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Ann Arbor, Mich.</u>	Size			
Farm <u>Earl W. Alford</u> Acres <u>140</u>	16 <u>21"6"</u>		<u>21"6"</u>	Kind of Packer
Location (waters) <u>Trace Fork</u>	13 <u>250"</u>		<u>250"</u>	
Well No. <u>1</u> Elev. <u>965.3</u>	10 <u>740</u>			Size of
District <u>Hannan</u> County <u>Mason</u>	8 1/4 <u>1149"</u>			Depth set
The surface of tract is owned in fee by <u>Earl W. Alford</u>	6 3/8 <u>2266"</u>		<u>2266"</u>	
Address <u>Milton, W. Va.</u>	5 3/16			Perf. top
Mineral rights are owned by <u>Earl W. Alford</u>	4 1/4			Perf. bottom
Address <u>Milton, W. Va.</u>	3			Perf. top
Drilling commenced <u>Aug 18, 1970</u>	2			Perf. bottom
Drilling completed <u>Feb 15, 1971</u>	Liners Used			
Date Shot From To				
With				

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Show- Oil & Gas 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) 16" & 13" to surface
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____

ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water 140 Feet _____ Salt Water 840, 970, 1120 HF Feet 1547 HF, 2049 HF
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	30			
Sand			30	60			
Sand Broken			60	90			
Red Rock			90	135			
Blue Slate			135	165			
Red Rock			165	180			
Blue Slate			180	225			
Sand			225	270			
Red Rock			270	295			
Slate			295	340			
Sand Broken			340	480			
Slate			480	510			
Red Rock			510	570			
Sand			570	580			
Red Rock			580	590			
Blue Slate			590	635			
Red Rock			635	645			
Slate & Shells			645	680			
Red Rock			680	685			
Slate			685	700			
Red Rock			700	705			
Slate & Shells			705	730			
Sand			730	735			
Slate			735	825			
Sand			825	850			
Red Rock			850	860			Salt Water 1/2 blr- 3 hrs
Gray Slate			860	945			
Sand Broken			945	974			
Sand		Hard	974	1000			Salt Water 1/2 blr/hr @ 970'

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OIL & GAS DIVISION
DEPT. OF MINES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gray Slate			1000	1045			
Slate & Shells			1045	1100			
Salt Sand			1100	1145	Salt Water	hole full @ 1120'	
Lime Shells			1145	1150			
Slate, Dark			1150	1153			
Sand			1153	1193			
Slate			1193	1210			
Sand			1210	1220			
Slate & Shells			1220	1270			
Slate, Dark			1270	1597			
Sand			1597	1618	Salt Water	hole full @ 1597	
Slate			1618	1623			
Slate & Shells			1623	1650			
Slate, Dark			1650	1760			
Sand,		Hard	1760	1850			
Big Lime			1850	2003			
Keener			2003	2036			
Slate			2036	2046			
Big Injun			2046	2117	Salt Water	2049' level 525'	
Slate			2117	2119			
Sand			2119	2170			
Slate & Shells			2170	2285			
Lime Shells			2285	2300			
Slate & Shells			2300	2448			
Shells			2448	2535			
Shale	Dark Brown	Coppy Sh.	2535	2547			
Berea			2547	2575			
		Total Depth		2575			

495

Date Dec 17, 1911

APPROVED [Signature] Owner

By [Signature] (17/11)



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

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle GLEENWOOD 7

Permit No. Mason 111 DD

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company Vacation Estates, Inc.
 Address 12 Capitol St. Charleston, W. Va
 Farm Earl W. Alford Acres 140
 Location (waters) Trace Fork 978KB
 Well No. 1 Elev. 965.3
 District Hannon County Mason
 The surface of tract is owned in fee by Earl W. Alford
 Address Milton, W. Va.
 Mineral rights are owned by Earl W. Alford
 Address Milton, W. Va.
 Drilling commenced March 26, 1971
 Drilling completed April 2, 1971
 Date Shot From To
 With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	21 5/8"	21 5/8"	
13	250°	250°	
10	740°	150	Size of
8 1/4	1149°	319	
6 3/4	2266°	810°	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 Dry Cu. Ft.
 Rock Pressure lbs. hrs.
 Oil bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS)
 WELL FRACTURED (DETAILS)

Attach copy of cementing record.
 CASING CEMENTED 13" SIZE No. Ft. Date
 Amount of cement used (bags) 6-5/8 76 sacks
 Name of Service Co. Dowell
 COAL WAS ENCOUNTERED AT 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 140° Feet Salt Water 840, 970, 1120 HF Feet 1547 HF, 2049 HF
 Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
			ORIGINAL TOTAL DEPTH 2575°				
Shale			2575	4330			
Corniferous			4330	4410			
Oriskany Horizon			4410	4420			
Limestone & dolomite			4420	5005			
Newburg Horizon			5005	5015			
Dolomite <u>MCKZ</u>			5015	5254			
Rose Hill Shale			5254	5615			
Tuscarora			5615	5655			
Queenston <u>Juniper</u>			5655	5716			
		TD		5716			

5005
 978

 4027

615

DD Soilage 5716 (over)
 2575 ← orig footage
 3141 ← Drilled deeper

APR 19 1971