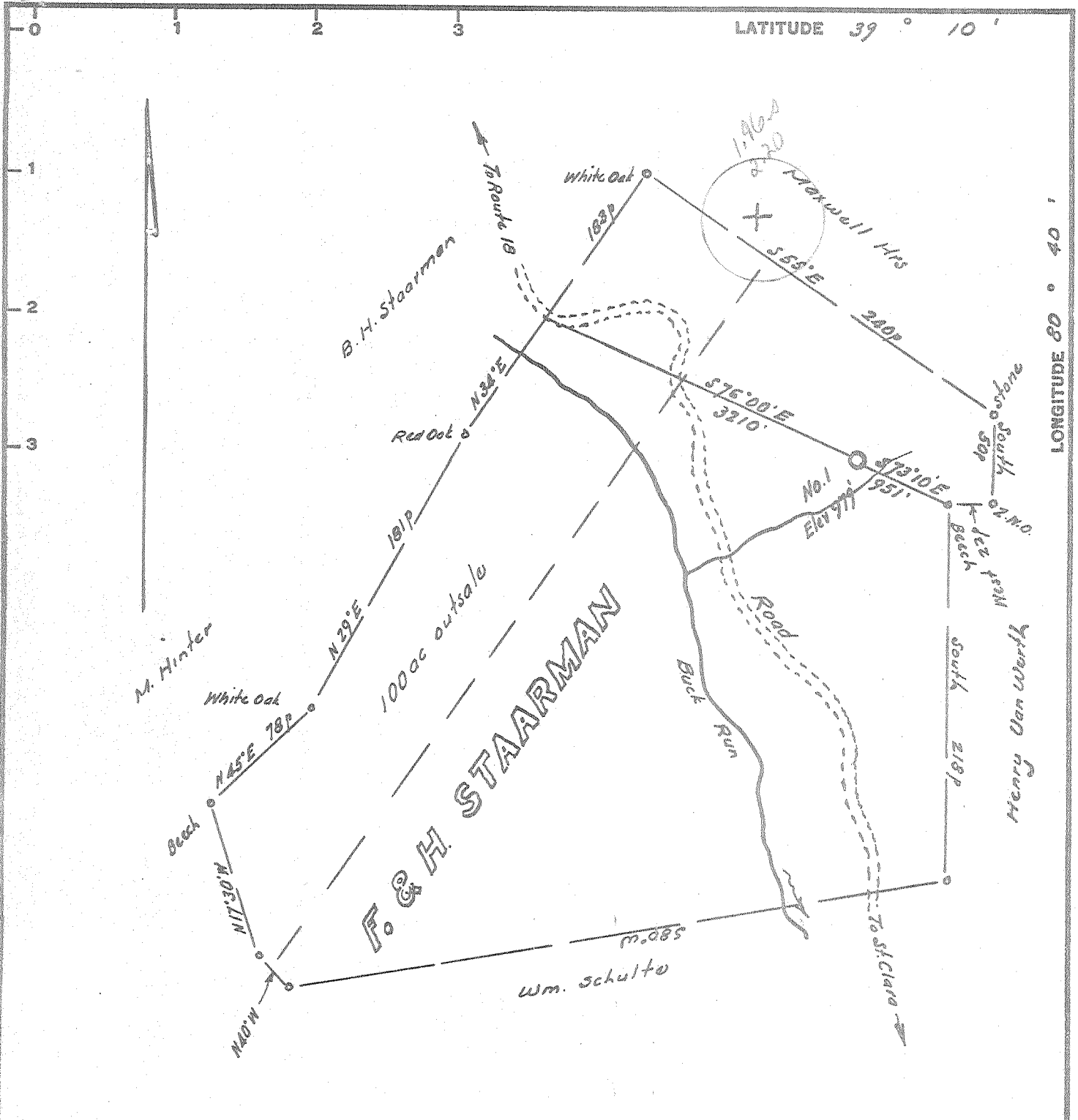


4/15/67 CEN



Minimum Error of Closure 1 in 200'

Source of Elevation Elev at forks of Buck Run 1 mi SE = 579'

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 C of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: W. H. Staarman
 Squares: N S E W

Company Staarman Oil & Gas Co.
 Address Clarence Powell, Agt West Union, W. Va.
 Farm F. & H. Staarman
 Tract _____ Acres 344 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 979'
 Quadrangle C Vadis WC
 County Doddridge District Cave
 Engineer W. H. Staarman
 Engineer's Registration No. 1277
 File No. _____ Drawing No. _____
April 13, 1967 Scale 1" = 80P = 1320'

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

WELL LOCATION MAP
 FILE NO. Dod-1551

+ 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 DIVISION 4

Quadrangle _____

Permit No. DOD 1551

WELL RECORD

Oil or Gas Well D&A
(KIND)

Company Staarman Oil & Gas Co.
Address C. Powell, Agt. West Union, W. Va.
Farm F. & H. Staarman Acres 344
Location (waters) Buck Fork branch of Sand Fork
Well No. 1 Elev. 979
District Cove County Doddridge

The surface of tract is owned in fee by F. & H. Staarman Address St. Clara, W. Va.
Mineral rights are owned by F. & H. Staarman Address St. Clara, W. Va.

Drilling commenced April 26, 1969
Drilling completed June 3, 1969
Date Shot _____ From _____ To _____
With _____

Open Flow 35 /10ths Water in 1" Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

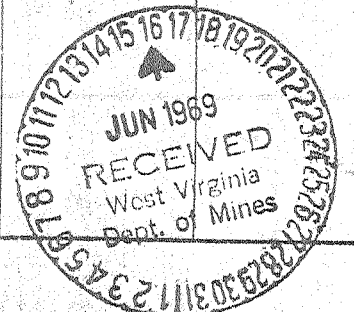
WELL ACIDIZED N
WELL FRACTURED 0

RESULT AFTER TREATMENT N
ROCK PRESSURE AFTER TREATMENT E

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	90			
Lime			90	115			
Sand			115	127			
Slate			127	156			
Slate&Shells			156	227			
Red Rock			227	334			
Slate & Shells			334	350			
Red Rock			350	385			
Slate & Shells			385	410			
Red Rock			410	444			
Slate & Shells			444	460			
Red Rock			460	502			
Slate & Shells			502	507			
Sand			507	560			
Slate & Shells			560	574			
Sand			574	598			
Red Rock			598	615			
Lime Shells			615	655			
Slate & Shells			655	685			
Lime		Hard	685	703			
Sand			703	752			
Sand			752	794			
Slate & Shells			794	800			
Red Rock			800	840			
Sand			840	850			
Red Rock			850	865			
Lime		Hard	865	880			
Red Rock			880	930			

(over)



JUN 28 1969

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			930	940			
Red Rock			940	955			
Lime		Hard	965	985			
Slate			985	1025			
Lime		Hard	1025	1046			
Red Rock			1046	1060			
Slate			1060	1130			
Slate & Shells			1130	1165			
Sand			1165	1173			
Slate & Shells			1173	1190			
Slate	Brown		1190	1205			
Slate			1205	1220			
Sand			1220	1232			
Slate & Shells			1232	1245			
Lime		Hard	1245	1272			
Red Rock			1272	1274			
Slate & Shells			1274	1476			
Sand		Hard	1476	1607	Water	1476' to 1505'	
Slate			1607	1618			
Sand		Hard	1618	1628			
Slate & Shells			1628	1660			
Lime		Hard	1660	1685			
Sand		Hard	1685	1725			
Slate & Shells			1725	1808			
Sand		Hard	1808	1820			
Lime		Hard	1820	1871	Water	1871' to 1900'	
Sand (Maxson)			1871	1900			
Slate			1900	1910			
Lime, Gritty		Hard	1910	1930			
Slate & Shells			1930	1975			
Red Rock			1975	1985			
Lime		Hard	1985	2017			
Sand		Hard	2017	2022			
Slate		Hard	2022	2035			
Sand		Hard	2035	2044			
Slate			2044	2048			
Lime		Hard	2048	2068			
(Break)			2068	2072			
Lime		Hard	2072	2078			
Sand		Hard	2078	2102			
Lime (Big)		Hard	2102	2152			
Sand (Injun)		Hard	2152	2255	Show of oil	2157'	
Brwon Slate & Lime			2255	2270	Gas	2162' to 2166'	
		Total	Depth	2270			

Date June 9, 1969

APPROVED Staarman Oil & Gas Co. Owner

By Clarence Powell, Agent
 (Title)
 West Union, W. Va.