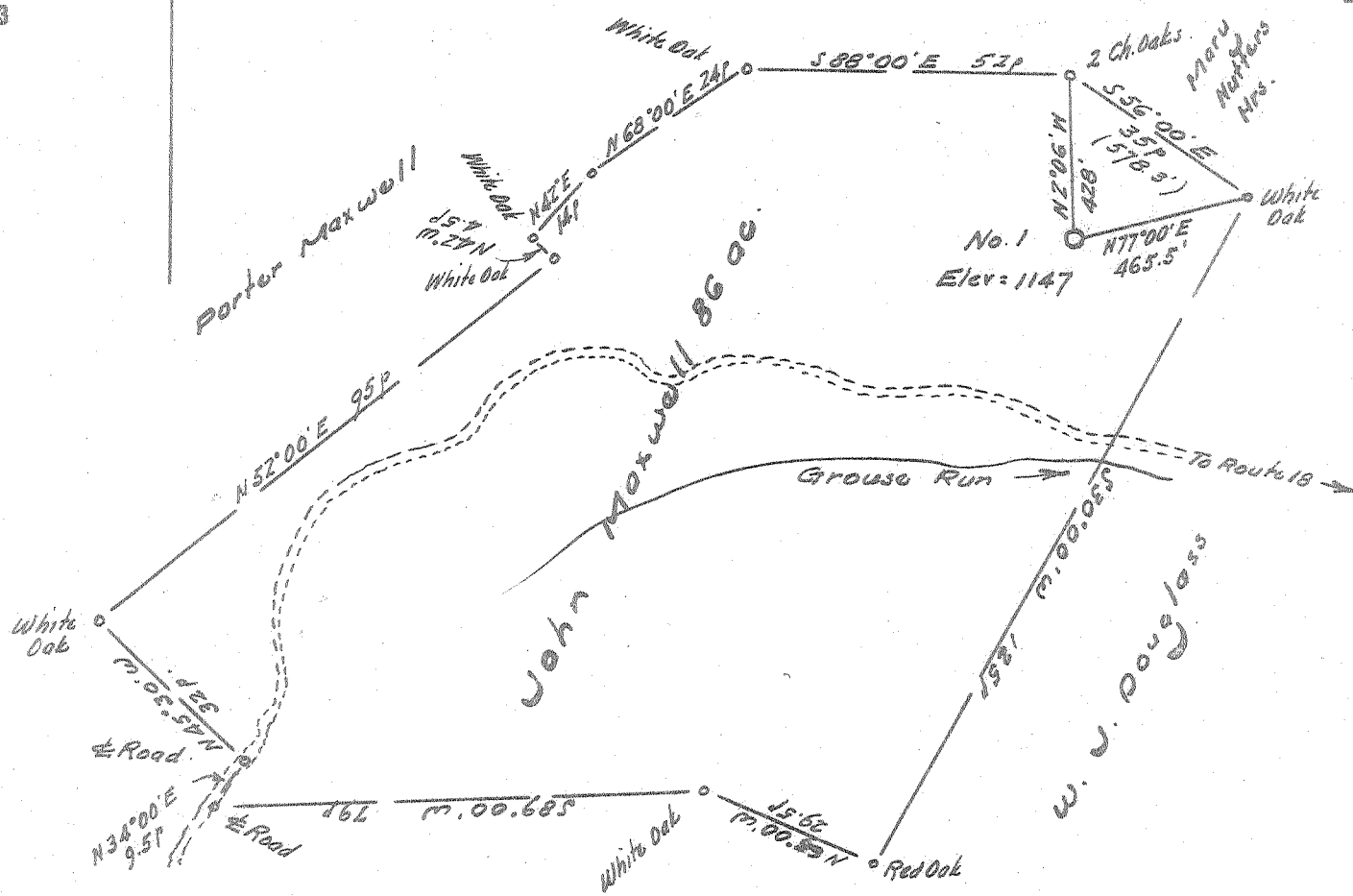


Latitude 39° 15'

Longitude 80° 40'



J. B. Maxwell

Derivation of Elevation
 U.S.G.S. elev. = 829 at
 Right Fork of Lick Run

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

W. J. Douglass
 R. P. E. No. 1227

- New Location ..
- Drill Deeper
- Abandonment

Error in Closure: - Less than 1/200'

Company	<u>P. Douglass Ferr</u>
Address	<u>West Union, West Va.</u>
Farm	<u>John Maxwell</u>
Tract	Acres <u>86</u> Lease No. _____
Well (Farm) No.	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>1147'</u>
Quadrangle	<u>Uadis</u> <u>NW</u>
County	<u>Doddridge</u> District <u>New Milton</u>
Engineer	<u>W. J. Douglass</u>
Engineer's Registration No.	<u>1227</u>
File No.	_____ Drawing No. _____
Date	<u>June 26, 1963</u> Scale <u>1" = 300' = 495'</u>

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

WELL LOCATION MAP

FILE NO. Dod-1528

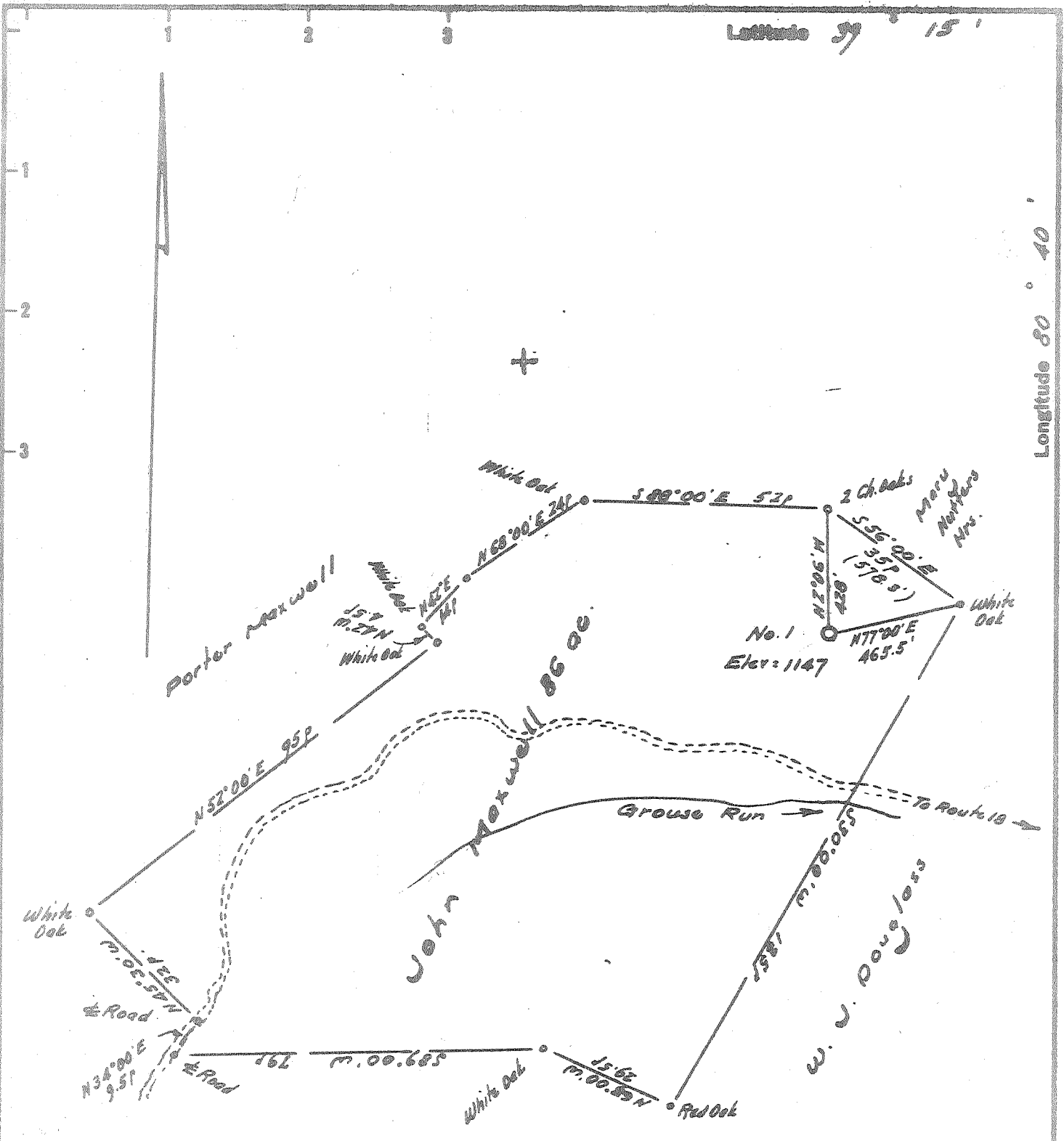
Trans. from Dod-1027

+ 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.

Latitude 39° 15'

Longitude 80° 40'



J. B. Maxwell

Derivation of Elevation
U.S.G.S. elev. = 829 at
Right Fork of Lick Run

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

W. H. H. J.
R. P. E. No. 1227

- New Location
- Drill Deeper
- Abandonment

Error in Closure: - less than 1/200'

Company P. Douglass Farr
 Address West Union, West Va.
 Farm John Maxwell
 Tract _____ Acres 86 Lease No. _____
 Well (Farm) No. one Serial No. _____
 Elevation (Spirit Level) 1147'
 Quadrangle Uadis NW
 County Doddridge District New Milton
 Engineer W. H. H. J.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 26, 1963 Scale 1" = 200' = 495'

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

WELL LOCATION MAP
 FILE NO. Dod-1027

+ 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.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

Drilled with
spudder

Vadis

Quadrangle Dodd -1528
Permit No. _____

WELL RECORD

Oil or Gas Well gas
(KIND)

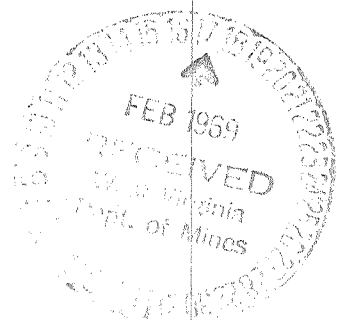
Company P. Douglass Farr
Address Drawer 307, West Union, W. Va.
Farm John Maxwell Acres 86
Location (waters) Grouse Run
Well No. 1 Elev. 1147
District New Milton County Doddridge
The surface of tract is owned in fee by Kenneth Clark
Address Easton, Md.
Mineral rights are owned by Charles E. Maxwell
Address Clothier W Va
Drilling commenced Sept 23 1968
Drilling completed Dec 2 1968
Date Shot none From _____ To _____
With _____
Open Flow 14/10ths Water in 1 Inch
_____/10ths Merc. in _____ Inch
Volume 39 M Cu. Ft.
Rock Pressure 50 lbs. 24 hrs.
none bbls., 1st 24 hrs.
WELL ACIDIZED yes

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>37</u>	<u>37</u>	Size of
8 1/4	<u>456</u>	<u>0</u>	
6 5/8	<u>1386</u>	<u>544</u>	Depth set
5 3/16			
X 4 1/2	<u>2049</u>	<u>2049</u>	Perf. top <u>1963</u>
2			Perf. bottom <u>2008</u>
Liners Used			Perf. top _____
			Perf. bottom _____

WELL FRACTURED Yes. Dowell with 1000 gal. acid; 34100 lbs. sand; 900 bbl. water.

RESULT AFTER TREATMENT 677 MCFD
ROCK PRESSURE AFTER TREATMENT 460 lb.
Fresh Water none Feet Salt Water 1378 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Slate			0	55			
Lime			55	70			
Red rock			70	130			
Slate & shells			130	150			
Red rock			150	162			
Shale	gray		162	190			
Lime			190	240			
Red rock			240	255			
Shale	gray		255	268			
Lime			268	300			
XXXX Red rock			300	330			
Lime			330	350			
Red rock			350	378			
Shale	gray		378	395			
Lime			395	405			
Sand			405	456			
Slate & shells			456	460			
Shale	gray		460	496			
Lime			496	555			
Slate, shells			555	585			
Shale	red		585	666			
Red rock			666	730			
Shale	gray		730	737			
Sand			737	768			
Slate & shells			768	785			
Rock	pink		785	869			
Lime			869	922			
Rock	pink		922	950			
Shale			950	980			



(over)

FEB 23 1969

Formation	Color	Hard or Soft	Top ³	Bottom	Oil, Gas or Water	Depth Found	Remarks
Rock	pink		980	1000			
Lime		gritty	1000	1020			
Lime	black	gritty	1020	1095			
Red rock			1095	1100			
Lime			1100	1152			
Slate			1152	1162			
Sand			1162	1233			
Slate	black		1233	1245			
Sand		broken	1245	1330			
Slate	gray		1330	1345			
Sand			1345	1435	salt water	1378	
Slate shells			1435	1596			
Sand			1596	1680			
Shale	black		1680	1688			
Lime		gritty	1688	1725			
Slate shells			1725	1777			
Shale	gray		1777	1801			
Lime			1801	1824			
Rock	pink		1824	1826			
Slate			1826	1845			
Little lime			1845	1858			
Lime		broken	1858	1882			
Sand			1882	1885			
Pencil cave			1885	1890			
Big lime			1890	1947			
Big Injun			1947	2044	Gas 1960, 1982, 2002		
Slate			2044	2055	Total depth		

Date February 13, 1969
APPROVED P. Douglas Love, Owner
By _____ (Title)