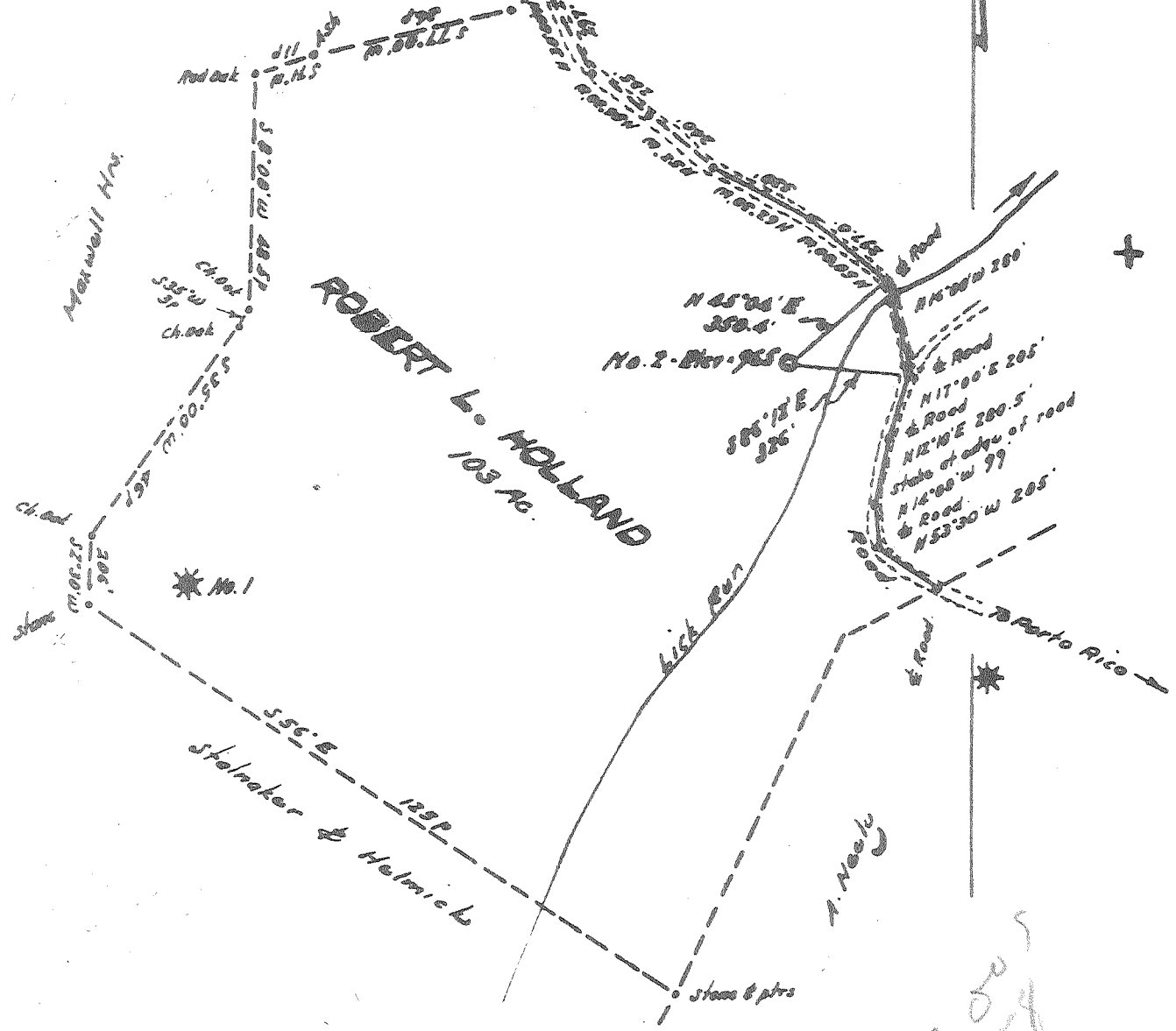


Latitude 39° 15'

Longitude 80° 45'

Derivation of Elevation:-
U.S.G.S. B.M. 1/2 mile north on
east side of road, marked
"36-JEA - Elev. 1172"



3.505
0.58

Error in Closure is less than 1/800

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. H.
E. P. E. No. 105

New Location
Drill Deeper
Abandonment

Company Paul McCutcheon
 Address West Union, West Va.
 Farm Robert L. Holland
 Tract _____ Acres 103 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 965
 Quadrangle Holbrook NE
 County Doddridge District New Milton
 Engineer W. H. H. H.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date May 19, 1963 Scale 1" = 300' x 495'

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

WELL LOCATION MAP
FILE NO. Ded-1005

+ 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 6

Quadrangle Halbrook

WELL RECORD

Permit No. DOD 1005

Oil or Gas Well Oil & Gas
(KIND)

Company Paul McCutchan
Address West Union, W. Va.
Farm Stalnaker Farm Acres 103
Location (waters) _____
Well No. 2 Elev. 965
District New Milton County Doddridge
The surface of tract is owned in fee by Robert L. Holland
Address West Union, W. Va.
Mineral rights are owned by Ray Gabbert, et al.
Address West Union, W. Va.
Drilling commenced 10-14-63
Drilling completed 11-27-63
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED Yes -

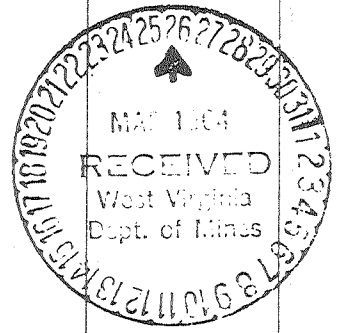
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	375'		Size of
8 1/2	1025'		
6 1/2			Depth set
5 3/16		1870'	
3			Perf. top
2		1857'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 500,000 cu. ft. gas
ROCK PRESSURE AFTER TREATMENT 700 lbs.
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	10			
Sand			10	50			
Slate			50	95			
Slate			95	116			
Lime			116	128			
Red Rock			128	145			
Lime	Gray		145	161			
Red Rock			161	194			
Sand			194	216			
Slate & Shells			216	225			
Red Rock			225	310			
Lime			310	328			
Red Rock			328	333			
Lime			333	360			
Slate			360	365			
Lime			365	385			
Slate & Shells			385	470			
Red Rock			470	490			
Slate & Shells			490	520			
Red Rock			520	565			
Sand			565	577			
Red Rock			577	627			
Lime			627	675			
Slate			675	777			
Lime			777	803			
Slate & Shells			803	854			
Sand			854	872			
Lime			872	960			
Slate & Shells			960	1019			
Sand			1019	1125			



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			1125	1132			
Sand			1132	1137			
Sand			1137	1160			
Slate & Shells			1160	1180			
Sand			1180	1260			
Slate & Shells			1260	1287			
Sand			1287	1302			
Slate			1302	1330			
Gray Lime			1330	1390			
Slate & Shells			1390	1425			
Sand			1425	1500			
Slate & Shells			1500	1525			
Gritty Lime			1525	1547			
Slate & Shells			1547	1627			
Lime			1627	1704			
White Sand			1704	1716			
White Sand			1716	1724			
Big Lime			1724	1800			
Injun Sand			1800	1860			

D. 1870-
6 ft 5 3/4 inches

Date March 24, 1964
 APPROVED Paul M. Cutchaw, Owner
 By _____ Owner (Title)