

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

W. H. Hest
E. E. Hest
E. E. Hest

New Location
 Drill Deeper
 Abandonment

B.M. shown = 1336'

Error in Closure is less than 1' in 200'

Company R. WAYNE CHRISTENSON
 Address 1161 North Ballenger Hy., Flint, Mich.
 Farm J. W. Gum
 Tract Acres 260.868 Lease No. _____
 Well (Farm) No. Three Serial No. _____
 Elevation (Spirit Level) 1162
 Quadrangle Vadis - WC
 County Doddridge District Cove
 Engineer W. H. Hest
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date May 22, 1965 Scale 1" = 40p = 660'

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

WELL LOCATION MAP
 FILE NO. DOD-1259

+ 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

Rotary
Spudder
Cable Tools
Storage

*Miss Phillips
for [unclear]
3-7-66*

Quadrangle _____

WELL RECORD

Permit No. DOD-1259

Oil or Gas Well Both
(KIND)

Company R. Wayne Christenson
Address 1161 N. Ballenger-Flint, Michigan
Farm J. W. Gum Acres 260

Location (waters) _____
Well No. Three (3) Elev. 1162'
District Cove County Doddridge

The surface of tract is owned in fee by H.B. (Brooks) Gum
Address New Milton RFD

Mineral rights are owned by H.B. Gum-McCormick hrs.
Iva Stalnaker Address _____

Drilling commenced October 2nd, 1965
Drilling completed November 29th, 1965

Date Shot _____ From 2566' To 2570'

With gun perforations shots per foot

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-Dowell Co.

RESULT AFTER TREATMENT 80,000 Gas 2bbl. oil = Big Taju

ROCK PRESSURE AFTER TREATMENT 400 lbs

Fresh Water yes Feet 115' Salt Water _____ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10	267.55	267.55	
8 1/4	1426.20	none	Depth set
6 1/2			
5 3/16			Perf. top
4 1/2	2590'	2590'	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED yes SIZE 4 1/2 No. Ft. 2590' Date

Lawson Cement Co. 11/29th/65

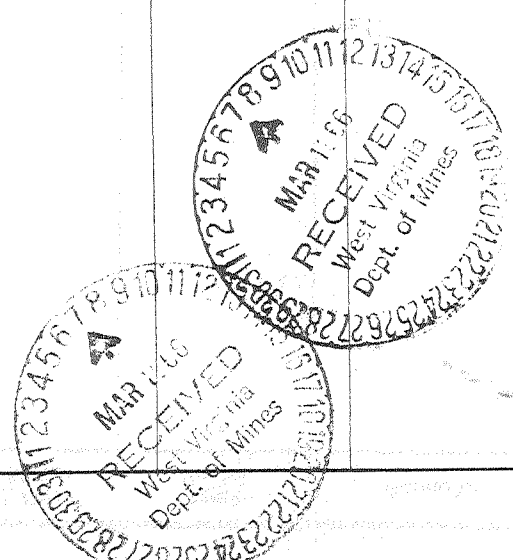
COAL WAS ENCOUNTERED AT none FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock	red	soft	0	95			
slate	white	"	95	115			
Sand	"	"	115	155			
red rock	red	"	155	165			
lime	white	hard	165	170			
slate	"	soft	170	210			
red rock	red	"	210	245			
lime	white	hard	245	250			
red rock	red	soft	250	265			
lime	white	hard	265	270			
sand	"	"	270	280			
slate	"	soft	280	290			
red rock	red	"	290	310			
lime	white	hard	310	325			
red rock	red	soft	325	350			
lime	white	hard	350	370			
slate	black	soft	370	395			
lime	white	hard	395	450			
slate	black	soft	450	470			
red rock	red	"	470	560			
lime	white	hard	560	580			
red rock	red	soft	580	600			
lime	white	hard	600	650			
red rock	red	soft	650	710			
sand	white	hard	710	760			
lime	"	"	760	780			
slate	black	soft	780	790			
lime	white	hard	790	825			
sand	"	"	825	920			
slate	"	soft	920	925			

fr wter (2bbl per hour)



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
lime	white	hard	925	975			
slate	"	soft	975	980			
sand	"	med	980	1025			
slate	"	soft	1025	1030			
sand	"	hard	1030	1050			
sand	brown	"	1050	1080			
lime	white	"	1080	1195			
red rock	red	soft	1195	1255			
lime	white	hard	1255	1315			
slate	"	soft	1315	1355			
lime	"	gritty	1355	1417			
slate	"	soft	1417	1420			
lime	"	hard	1420	1445			
slate-shell	"	"	1445	1480			
snad.	"	"	1480	1610			
lime	"	"	1610	1650			
slate	"	soft	1650	1655			
lime	"	Hard	1655	1800			
sand	"	broken	1800	1836			
lime	"	hard	1836	1850			
sand	"	"	1850	1915			
lime	"	broken	1915	1930			
slate	brown	soft	1930	1950			
lime	white	hard	1950	1970			
slate	brown	soft	1970	1980			
slate	black	soft	1980	2005			
slate	white	"	2005	2010			
lime	"	hard	2010	2048			
slate	"	soft	2048	2055			
slate	black	"	2055	2080			
sand	white	hard	2080	2095			
slate-shell	brown	med	2095	2110			
lime	white	hard	2110	2190			
slate	black	soft	2190	2215			
sand	white	hard,	2215	2228			
lime	"	"	2228	2258			
red rock	red	soft	2258	2272			
lime	white	hard	2272	2332			
red rock	red	soft	2332	2345			
lime	white	hard	2345	2355			
red rock	red	soft	2355	2368			
slate	white	soft	2368	2382			
lime	"	hard	2382	2420	little lime		
pencil cave	black	soft	2420	2425			
lime	white	hard	2425	2482	big lime		
sand	"	"	2482	2516	Keener		
sand	"	"	2516	2578	Injun		
shale	black	soft	2578	2590	T.D.		

Date February 28th, 1966

APPROVED R. Wayne Christenson, Owner

By Homer Robinson (Title) Field Sup't.