

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 division of the mining laws of West Virginia.

E. P. F. No. 1227

Source of elevation :- Bridge across Long Run at mouth = 740'

Error in closure :- Less than 1' in 200'

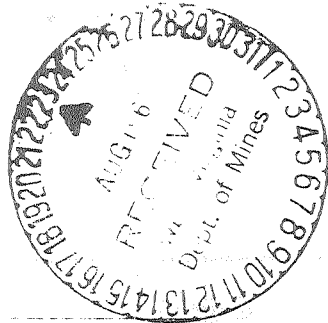
New Location
 Drill Deeper
 Abandonment

Company R. Wayne Christanson
 Address 161 N. Ballinger Hy., Flint, Mich
 Farm Finley Dotson
 Tract _____ Acres 133 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 968
 Quadrangle West Union - SC
 County Doddridge District Central
 Engineer W. S. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 24, 1965 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-1248

+ 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

Quadrangle _____

Permit No. DOD 1248

WELL RECORD 4

Oil or Gas Well oil
(KIND)

Company R. Wayne Christenson
Address 1101 N. Ballenger--Flint, Michigan
Farm Finley Dotson Acres 133
Location (waters) Long Run
Well No. One (1) Elev. 968
District Central County Doddridge
The surface of tract is owned in fee by Arley Shepherd
Long Run Address Greenwood
Mineral rights are owned by Finley Dotson heirs
Central Station Address _____
Drilling commenced May 10th, 1965
Drilling completed June 12th, 1965
Date Shot none From _____ To _____ no
With _____
Open Flow 10ths Water in none Inch
10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 160 lbs. 24 hrs.
Oil show bbls., 1st 24 hrs.
WELL ACIDIZED No.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			none
16.			Kind of Packer _____
13.	19'	19'	Size of _____
10.			Depth set _____
8 1/2.	1217'	none	Perf. top <u>1854'</u>
xx 4 1/2	1933'	1933'	Perf. bottom <u>1864'</u>
xxxx (Note: 4 1/2 cemented with 100 sks plus latex, cannot be pulled if well ever abandoned) will serve as conductor.			Perf. top <u>1896'</u>
Liners Used			Perf. bottom <u>1908'</u>

CASING CEMENTED yes SIZE 4 1/2 No. Ft. 1933 Date May 31st, 65
Lawson Cement Company-----
COAL WAS ENCOUNTERED AT none FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED Dowell Chemical Co.

RESULT AFTER TREATMENT estimated 5 bbl. oil per day
ROCK PRESSURE AFTER TREATMENT 160 lbs.
Fresh Water 25' to 35' Feet Salt Water yes Feet 1122'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
clay	grey	soft	0	25			
sand	white	"	25	35			
shale	brown	"	35	60			
red-rock	red	med	60	85			
sandy lime	grey	hard	85	95			
red-rock	red	soft	95	205			
sandy lime	grey	hard	205	240			
red-rock	red	soft	240	250			
slate	brown	soft	250	260			
red-rock	red	"	260	275			
slate	brown	"	275	285			
lime	white	hard	285	310			
red rock	red	soft	310	320			
sandy lime	grey	hard	320	345			
red rock	red	soft	345	360			
red rock	"	"	360	380			
sand	white	hard	380	390			
sand	"	"	390	490			
slate	brown	soft	490	494			
lime	white	hard	494	515			
slate	brown	soft	515	550			
sand	white	hard	550	560			
snell-slate	grey	"	560	620			
red rock	red	soft	620	630			
slate	brown	"	630	640			
lime	white	hard	640	650			
slate	brown	soft	650	655			
red rock	red	"	655	665			
red rock	"	"	665	680			
lime	white	hard	680	690			

Formation	Color	Hard or Soft	Top	Bottom ⁴	Oil, Gas or Water	Depth Found	Remarks
red rock	red	soft	690	725			
slate	brown	"	725	726			
lime	white	hard	726	730			
red rock	red	soft	730	740			
shell-slate	grey	hard	740	805			
lime	red	"	805	820			
lime	white	"	820	840			
sand	"	"	840	860			
lime	"	"	860	895			
shale	grey	soft	895	975			
sand	white	hard	975	1005			
slate	grey	soft	1005	1020			
pink rock	pink	hard	1020	1025			
slate	white	soft	1025	1048			
shale	pink	"	1048	1058			
lime	white	hard	1058	1080			
shale	grey	soft	1080	1086			
lime	white	hard	1086	1122			
sand	"	"	1122	1175			
shell-slate	pink	"	1175	1270			
sand	white	"	1270	1290			
shell-slate	med	"	1290	1315			
sand	white	"	1315	1364			
sand	"	"	1364	1400			
slate	brown	soft	1400	1495			
sand	white	hard	1495	1530			
slate	brown	soft	1530	1535			
lime	white	hard	1535	1560			
sand	"	"	1560	1580			
slate-shell	pink	"	1580	1685			
pink-rock	"	med	1685	1701			
lime	white	hard	1701	1732			
slate	brown	soft	1732	1750			
lime	white	hard	1750	1838			
sand	"	"	1838	1918			
lime	"	"	1918	1928			
sand	"	"	1928	1937	oil squaw sand		
Drillers measurement	T.D.	1937					
logger	"	" " 1939.5					
					Pencil cave	1770'	
					Big Lime	1772' to 1829'	
					Keener	1829 to 1848'	
					Injun	1848' to 1917'	
					Squaw	1928' to 1937'	
Put well on pump,	making frac water,	estimated	5 bbl oil per day.				

Date August 1st, 1965

APPROVED R. Wayne Christenson, Owner

By Homer Robinson
 Homer Robinson (Title) Field Sup't.