

DRILLERS LOG

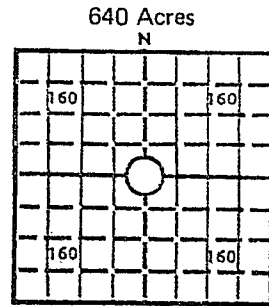
S. 9 T. 9 R. 19 E W

API No. 15 - 087 - 20,171
County Number

Loc. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$

County Jefferson

Operator Jerry Lutz Oil & Gas		
Address Route U.S. 131, South Reed City, Michigan 49677		
Well No. 1	Lease Name McCulloch	
Footage Location feet from (N) (S) line feet from (E) (W) line		
Principal Contractor Caney Valley Drilling Company		Geologist Larry Bagshaw
Spud Date 8-1-85	Total Depth 1850'	P.B.T.D.
Completed 8-8-85	Oil Purchaser	



Locate well correctly

Elev.: Gr. _____

DF _____ KB _____

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

OCT 1 6 1985

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type and percent additives	Sacks	Type and percent additives
SURFACE	12 $\frac{1}{4}$ "	8-5/8"		139.25'	6% OWC 3% cal.	65	
PRODUCTION	6-3/4"	Dry hole					

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Soil	0	6	Lime	660	682	Lime	1095	1099
Clay	6	14	Shale	682	698	Sandy shale	1099	1106
Sand	14	20	Lime	698	712	Lime	1106	1114
Shale	20	67	Shale	712	727	Sandy shale	1114	1342
Lime	67	83	Lime	727	752	Lime	1342	1352
Shale	83	90	Shale	752	763	Sandy shale	1352	1396
Lime	90	93	Lime	763	775	Lime	1396	1406
Sandy shale	93	100	Shale	775	788	Shale	1406	1436
Lime	100	102	Lime	788	793	Lime	1436	1440
Shale	102	147	Shale	793	813	Sandy shale	1440	1559
River sand	147	154	Lime	813	823	Lime	1559	1643
Shale	154	161	Shale	823	828	Sandy shale	1643	1663
Lime	161	179	Lime	828	860	Miss. lime	1663	
Shale	179	184	Shale	860	871	Top break 40'	1716	1719
Lime	184	190	Lime	871	890	zone		
Sandy shale	190	259	Shale	890	893	Bottom break	1721	1724
Lime	259	286	Broken lime	893	911	40' zone		
Shale	286	565	Shale	911	1027	Top of BK zone	1810	1850 TD
Lime	565	568	Lime	1027	1030	Overplugging information		
Shale	568	575	Sandy shale	1030	1046	STATE CORPORATION COMMISSION		
Lime	575	595	Lime	1046	1054	OCT 15 1985		
Shale	595	615	Sandy shale	1054	1065	CONSERVATION DIVISION		
Lime	615	636	Lime	1065	1078	Wichita, Kansas		
Shale	636	660	Sand	1078	1095	MISCH—LOFFEYVILLE		

821-P-P
Plugged 8-8-85 by Consolidated Oil Well Services

Started in hole at 7:00 am

Pumped first plug (30 sacks of cement) at 1850 feet - 9:40 am

Pumped second plug (30 sacks of cement) at 750 feet - 10:35 pm

Pumped third plug (125 sacks of cement) from 350 feet to surface - 10:55 am

Finished at 11:25 am