

Phillips Petroleum Company

Malaga-C No. 1

9-5/8"	40#, N-80	9830'	12 1/4"	1st stage: 500 sxs (Cl "C" w/30% DD, 2/10% LWL, 1/4# flocele & 5# Gilsonite followed w/200 sxs Cl "H" w/1/10% LWL. 2nd stage: 800 sxs Cl "C" w/30% DD followed by 200 sxs Cl "H". Temp Survey: TOC @ 1700'. 5 1/2"	20#, 17#, N-80	13471	8-5/8"	925 sx Class "C" w/2% gel, 2#/sx KCl, .3% LWL
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Formation Record Continued

9439	9693	254	Shale	12032	12093	61	Shale & lime
9693	9769	76	Shale & Sand	12093	12110	17	Lime & Shale
9769	10170	401	Shale	12110	12141	31	Shale & Lime
10170	10540	370	Sand & Lime	12141	12294	153	Shale
10540	10763	223	Shale & Sand	12294	12370	76	Shale & Lime
10763	10850	87	Shale & Lime	12370	12512	142	Lime & Shale
10850	10998	148	Shale	12512	12548	36	Lime, Shale & Sand
10998	11083	85	Shale & Sand	12548	12670	122	Shale
11083	11387	304	Shale	12670	12764	94	Shale & Sand
11387	11563	176	Shale, Lime	12764	12867	103	Shale
11563	11585	22	Shale, Lime, Anhy-Sand	12867	12941	74	Shale & Sand
11585	11651	66	Shale, lime	12941	12999	58	Shale
11651	11672	21	Shale	12999	13020	21	Shale & Sand
11672	11695	23	Shale & Lime	13020	13036	16	Shale
11695	11755	60	Shale	13036	13058	22	Sand & Shale
11755	12008	253	Lime & Shale	13058	13089	31	Shale
12008	12032	24	Shale	13089	13160	71	Shale & Sand
				13160	13264	104	Shale
				13264	13472	208	Sand & Shale

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