



1  
00:00:08,360 --> 00:00:06,410  
hi my name is Katie stack and I'm a

2  
00:00:09,799 --> 00:00:08,370  
curiosity rover mission scientist here

3  
00:00:12,249 --> 00:00:09,809  
at the Jet Propulsion Laboratory and

4  
00:00:14,450 --> 00:00:12,259  
this is your Curiosity rover report

5  
00:00:16,580 --> 00:00:14,460  
after two years and nearly nine

6  
00:00:18,769 --> 00:00:16,590  
kilometers of driving we finally arrived

7  
00:00:20,750 --> 00:00:18,779  
at the base of Mount sharp before we

8  
00:00:22,189 --> 00:00:20,760  
even arrived at Gale Crater we used our

9  
00:00:24,679 --> 00:00:22,199  
orbital images to begin our exploration

10  
00:00:26,839 --> 00:00:24,689  
of Mount sharp what we found was an

11  
00:00:28,790 --> 00:00:26,849  
important boundary separating the

12  
00:00:31,189 --> 00:00:28,800  
sediments of the Gale Crater floor and

13  
00:00:33,229 --> 00:00:31,199

the layers of lower mount sharp the

14

00:00:36,290 --> 00:00:33,239

rover is now here at this important

15

00:00:38,389 --> 00:00:36,300

boundary in earlier paths to Murray

16

00:00:40,639 --> 00:00:38,399

buttes would have delayed our arrival at

17

00:00:42,170 --> 00:00:40,649

lower mount sharp however a couple of

18

00:00:43,729 --> 00:00:42,180

months ago we decided to take a

19

00:00:45,680 --> 00:00:43,739

different path because it was more

20

00:00:47,479 --> 00:00:45,690

scientifically interesting and that

21

00:00:48,920 --> 00:00:47,489

brought us to Pahrump Hills where we're

22

00:00:49,369 --> 00:00:48,930

encountering the rocks of lower Mount

23

00:00:51,049 --> 00:00:49,379

sharp

24

00:00:53,689 --> 00:00:51,059

nearly two kilometers before we

25

00:00:55,910 --> 00:00:53,699

originally expected this bright outcrop

26  
00:00:58,130 --> 00:00:55,920  
is Pahrump Hills it's about 15 metres

27  
00:00:59,720 --> 00:00:58,140  
across at this location we're looking

28  
00:01:01,580 --> 00:00:59,730  
forward to obtaining our first drilled

29  
00:01:02,779 --> 00:01:01,590  
sample of lower Mount sharp and while

30  
00:01:05,060 --> 00:01:02,789  
we're excited about what we may find

31  
00:01:07,640 --> 00:01:05,070  
here our exploration of Mount sharp is

32  
00:01:09,320 --> 00:01:07,650  
really just beginning as originally

33  
00:01:11,780 --> 00:01:09,330  
planned we'll be exploring Mount sharp

34  
00:01:13,280 --> 00:01:11,790  
layer by layer along the way we'll be

35  
00:01:14,840 --> 00:01:13,290  
encountering a number of interesting

36  
00:01:16,760 --> 00:01:14,850  
geologic features where we're looking

37  
00:01:18,469 --> 00:01:16,770  
forward to continuing our search for

38  
00:01:20,359 --> 00:01:18,479

ancient habitable environments in Gale