

## DOCKETED

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Responses to California Energy Commission Staff  
Data Request Set 2 (132 and 133)

In support of the

Application for Certification

For the

Mission Rock Energy Center

15-AFC-02

*Prepared for*

Calpine Corporation



January 2017



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# Contents

Section	Page
<b>Acronyms and Abbreviations</b> .....	<b>v</b>
<b>Introduction</b> .....	<b>1</b>
<b>5.5 Hazardous Materials Management (132)</b> .....	<b>3</b>
Natural Gas Pipeline Route.....	3
<b>2.0 Project Description (133)</b> .....	<b>5</b>
Depth of Fill.....	5
 <b>Attachments</b>	
DR132-1     Natural Gas Pipeline Routes	

# Acronyms and Abbreviations

AFC	Application for Certification
CEC	California Energy Commission
LLC	Limited Liability Corporation
DOF	depth of fill
DR	Data Request
MREC	Mission Rock Energy Center
SoCalGas	Southern California Gas Company

# Introduction

Attached are Mission Rock Energy Center, LLC's (Applicant's) responses to the California Energy Commission (CEC) Staff Data Requests (DRs) Set 2 (132 and 133) for the Mission Rock Energy Center (MREC) (15-AFC-2). The CEC Staff served the Set 2 data requests on December 2, 2016, as part of the discovery process for the MREC project.

The responses are grouped by individual discipline or topic area. Within each discipline area, the responses are presented in the same order as presented by CEC Staff, and are keyed to the Data Request numbers (132 and 133).

# 5.5 Hazardous Materials Management (132)

## Natural Gas Pipeline Route

132. Please provide an assessment of two potential alternative natural gas pipeline routes:

- a. Continuation of the “railroad” route proposed in the AFC along the west side of the Todd Barranca until it meets up with the reclaimed water supply line and T-line corridor and then follow that corridor east to the power plant site. [“Route A” below]
- b. A route that would place the natural gas pipeline directly from the interconnection with SoCalGas lines 404 & 406 to the start of the reclaimed water supply line, and then following along the reclaimed water supply line and T-line corridor east to the power plant site. [“Route B” below]

**Response:** An assessment of the two natural gas pipeline routes identified by Staff is provided below. The assessment is a reconnaissance-level review focusing on potential environmental impacts. The assessment does not consider non-environmental feasibility issues. The routes are depicted in Attachment DR132-1. The routing feasibility would be determined in consultation with the Southern California Gas Company (SoCalGas), who would be responsible for design and construction of the gas facilities necessary to provide service.

- A) With Route A, beginning at the MREC site and working back to interconnection with SoCalGas lines 404 and 406, the natural gas pipeline would enter the project site in the same right-of-way as the generator tie-line and recycled water pipeline and would cross Todd Barranca in this same right-of-way, instead of following Shell Road to a separate crossing of the Barranca. All of the Route A rights-of-way have been previously surveyed for biological and cultural resources except for approximately 625 feet of pipeline route between the existing Todd Barranca gas pipeline crossing point shown in the AFC and the Route A crossing point for the natural gas pipeline, recycled water line, and generator tie-line. This 625-foot section has been evaluated for biological resources and considered for cultural resources at a general level and for cultural resources of the built environment, but has not be subject to pedestrian surveys for archaeological resources. Based on the surveys that have already been conducted, potential environmental effects would be similar to those previously described for the natural gas pipeline, recycled water pipeline, and generator tie-line. Route A would be 2.58 miles long. It would require revised right-of-way agreements for the existing right-of-way to accommodate a natural gas pipeline and a new right-of-way agreement for the 625-foot-long segment that was not part of any of the existing right-of-way agreements.
- B) With Route B, the natural gas pipeline would also enter the project site in the same right-of-way as the recycled water pipeline and generator tie-line, instead of following Shell Road to Todd Barranca. Where the generator tie-line turns north and departs from the recycled water pipeline, Route B would also turn north, following the generator tie-line route as far as the railroad right-of-way. Route B would then turn to the west-southwest along the railroad right-of-way to the point of interconnection with SoCalGas lines 404 and 406. All of the Route B right-of-way has been previously surveyed for cultural and biological resources. Potential environmental effects would be the same as previously described for the natural gas pipeline, recycled water pipeline, and generator tie-line. Route B is approximately 2.14 miles long. It would require revised right-of-way agreements for the existing rights-of-way to accommodate a natural gas pipeline.

## 2.0 Project Description (133)

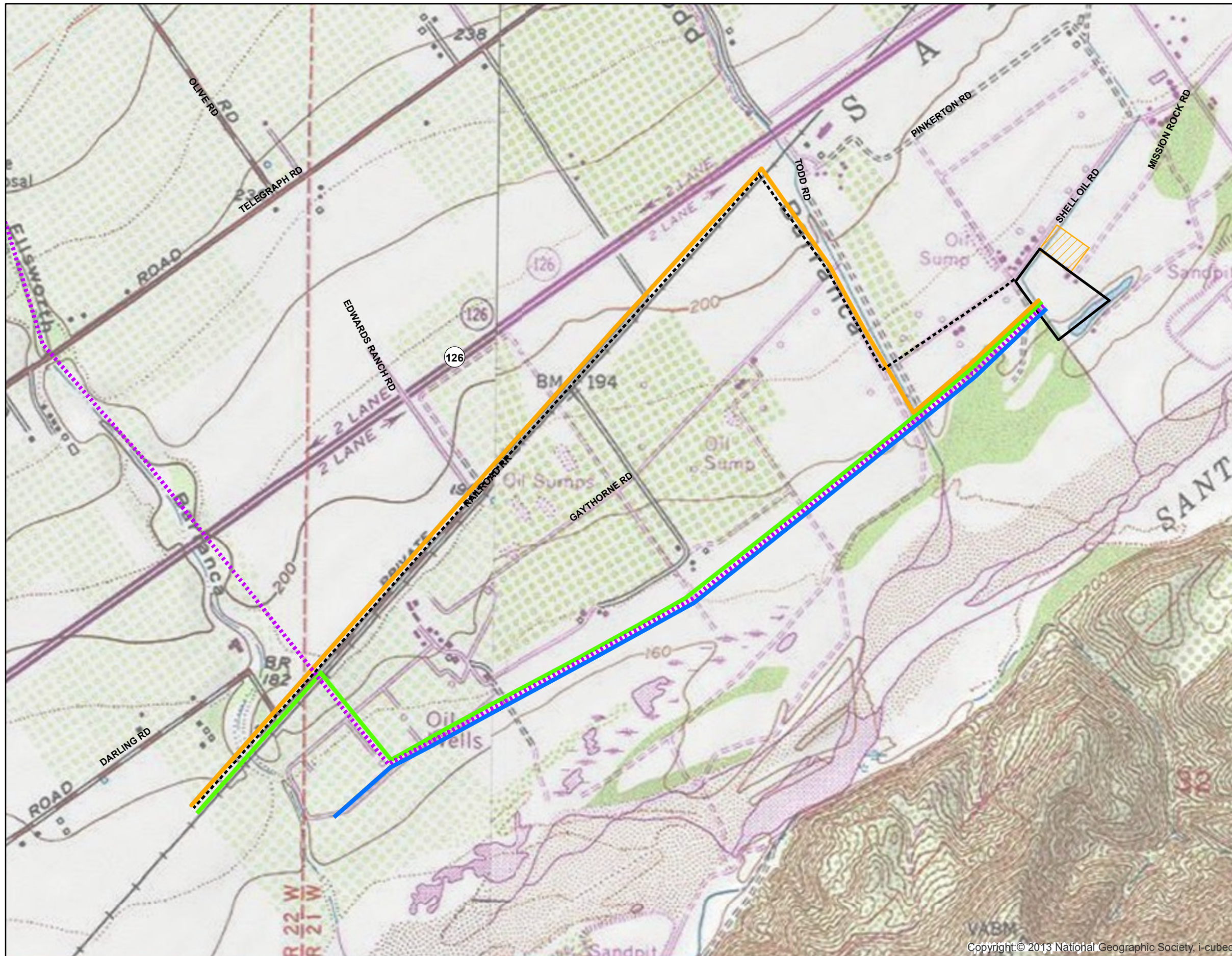
### Depth of Fill

133. *Please confirm the minimum depth of the fill to be added to the project site to raise the base flood elevation of the project site 10-feet and out of the 100-year flood plain.*

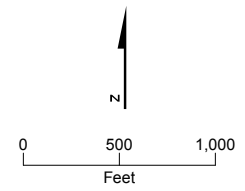
**Response:** Please see Attachment DR70-1 submitted previously in response to CEC Staff Data Request #70. The figure indicates an approximate depth of fill (DOF) of 10.25 feet at the southernmost corner of the project site that would be added to raise the project site at least one foot above the 100-year floodplain. DOF at the northern corner would be approximately 5.35 feet. DOF at the eastern and western corners would be approximately 5.27 and 5.29 feet, respectively.

# Attachment DR132-1 Natural Gas Pipeline Routes





- LEGEND**
- Project Site
  - Laydown Area
  - Route Proposed in the AFC
  - Route A
  - Route B
  - Process Water Supply Line
  - Generator Tie-Line



**Figure DR132-1**  
**Natural Gas Pipeline Routes**  
 Mission Rock Energy Center  
 Ventura County, California

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