CRANDALL CANYON SURFACE FACILITY:

AIR SHAFTS AND PORTAL FOR

CONTINUED DEVELOPMENT OF

"D" SEAM, "A" SEAM

AND SUB 3 SEAM

3.7

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RECEIVED

DIVISION OF OIL, GAS & MINING

File in:
C/ 0150032, 1981, Incoming
Refer to:
❑ Confidential
❑ Shelf
❑ Expandable
Date 2/27/81 For additional information

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3.71 INTRODUCTION

Price River Coal Company (PRCC) proposes, as part of their overall mine plan (submitted to and approved by the U. S. Geological Survey in 1976), to construct two mine shafts in Crandall Canyon, together with certain buildings and facilities, all of which are described herein. In the original mine plan, the shaft location was generally stated. This document is a site-specific plan and complete description of the facilities to be constructed, including construction procedures to be followed, considerations for protection of environmental values and final reclamation of the affected areas to a stable and productive condition.

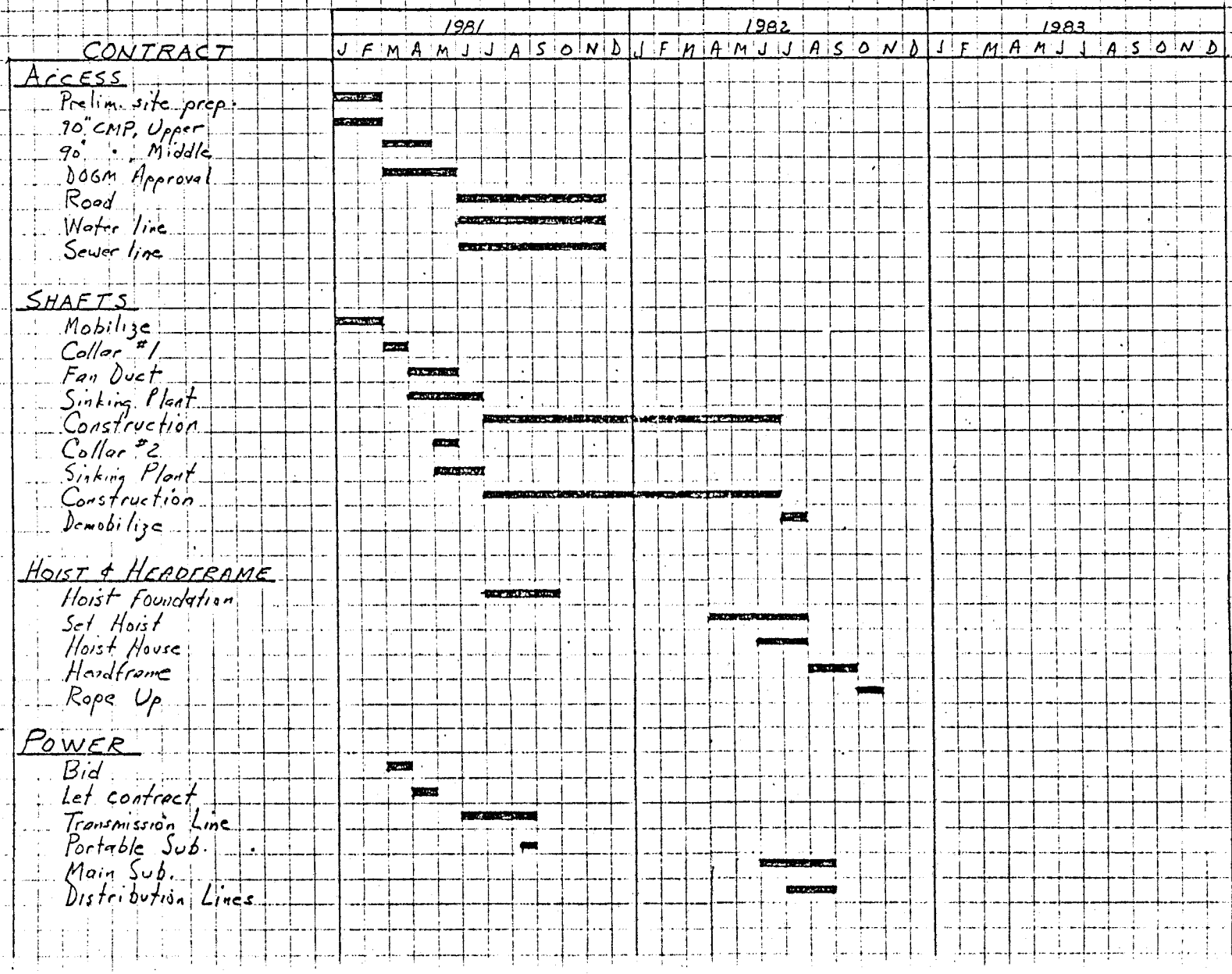
The mine shafts and associated facilities are required to permit the diligent development of the No. 3 Mine and the attainment of optimum levels of production from this mine. Primarily, the shafts are required to provide a much needed improvement in mine ventilation and to reduce the underground transportation time for men and materials. Projected duration of operation of this facility is 30 years.

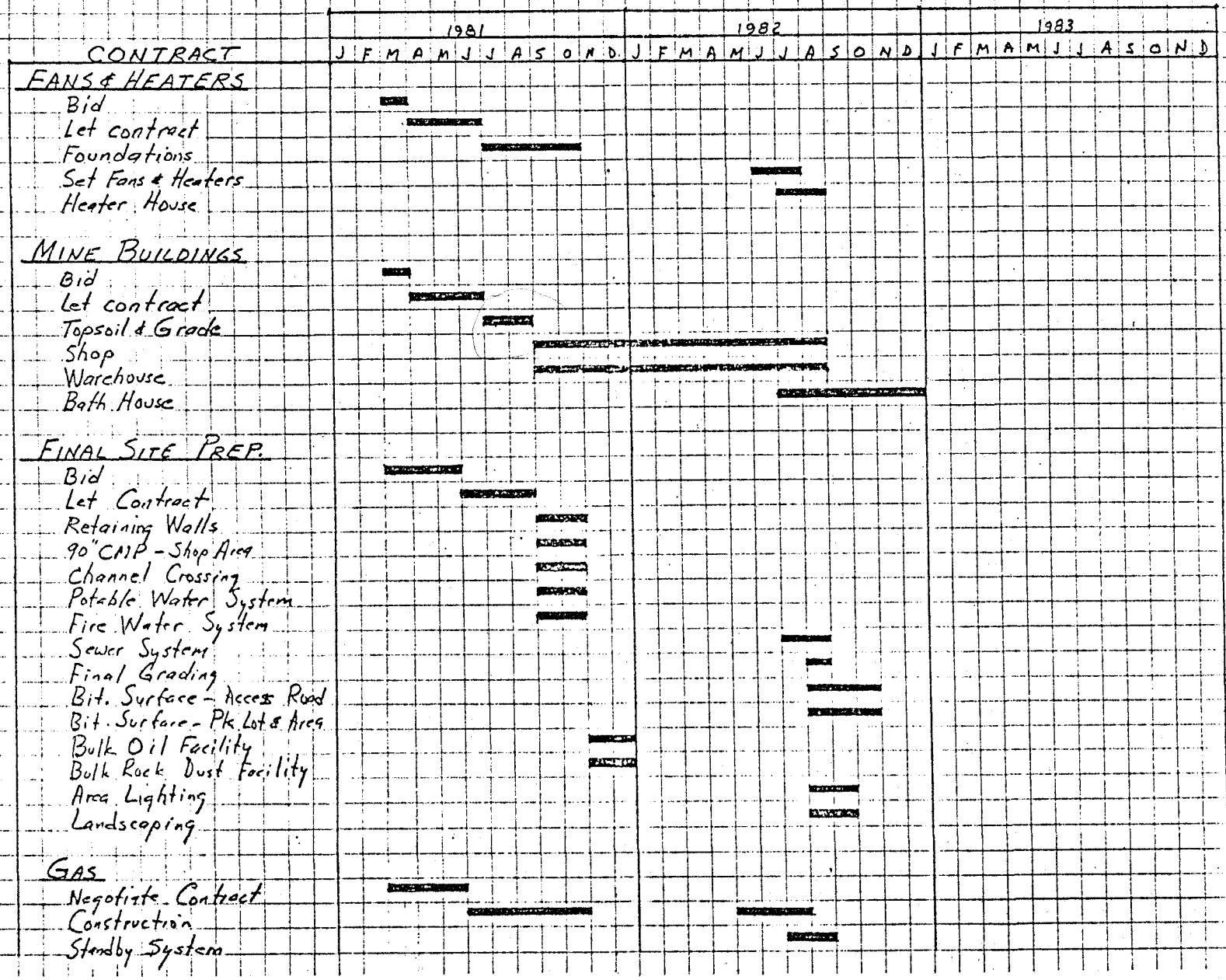
The shafts are centrally located in the remaining mineable reserves assigned to the No. 3 Mine. The proposed new mine ventilation fan system to be installed at the No. 1 Shaft will enable operation of twice the present complement of mine equipment in the mine, and the proposed hoisting system will reduce

underground haulage distances for men and materials by up to 3 miles. The complete surface facilities are designed, as far as possible, to be accommodated within the canyon floor area and will require a minimum relocation of the existing stream channel now running through the area. The affected surface area will be approximately 28 acres. Following completion of the Crandall Canyon facility, operations in Hardscrabble Canyon (Mines No. 3 and No. 4) and Sowbelly Gulch (Mine No. 5) will be phased out, and most of the affected surface areas reclaimed, although equipment access and utilities will be maintained to the portals for the duration of operations within this coal reserve.

CRANDALL CONSTRUCTION SCHEDULE

2/14/81




CONTRACT
1981
1982
1983
J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
FANS & HEATERS
Bid
Let contract
Foundations
Set Fans & Heaters
Heater House
MINE BUILDINGS
Bid
Let contract
Topsoil & Grade
Shop
Warehouse
Bath House
FINAL SITE PREP.
Bid
Let Contract
Retaining Walls
90" CMP - Shop Area
Channel Crossing
Potable Water System
Fire Water System
Sewer System
Final Grading
Bit. Surface - Access Road
Bit. Surface - Pk. Lot & Area
Bulk Oil Facility
Bulk Rock Dust Facility
Area Lighting
Landscaping
GAS
Negotiate Contract
Construction
Standby System

LIST OF EXHIBITS

EXHIBIT NO.		TITLE
1.	M.P.A.*	Location Map at 1"=4000'
2.		Pre-Affectment Map at 1"=400'
3.		Pictorial view: Shaft Access from Crandall Canyon to Presently Assigned Reserves.
4.		Preliminary Plot Plan for Crandall Development at 1"-100'.
4A.		Cross Sections
4B.		Cross Sections
4C.		Cross Sections
5.		Final Plot Plan for Crandall Development at 1"=100'.
5A.		Cross Sections and Design Details
5B.		Cross Sections and Design Details
6.		Completed Site Development at 1"=400'
7.		Test Hole No. 207
7A.		Structural Analysis and Engineer's Certification
7B.		Chemical Analysis of MC 207
8A Through 8F.		Intersection Detail for Access Road and Final Road Alignments.

* Mine Plan Area

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CRANDALL CANYON SITE WORK

MAP CERTIFICATION

I, Gilbert R. Horrocks, do hereby certify that I am a registered Land Surveyor and that I hold certificate No. 3825 as prescribed under the laws of the State of Utah. I further certify by authority of the owners I have prepared or supervised the preparation of the different maps as required by the Office of Surface Mining regulations and that the information shown on the maps and described in the attached document are true and correct.

Gilbert R. Horrocks, L.S.
Utah No. 3825