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# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

588 West 800 South Bountiful, Utah 84010  
Tel: (801) 292-7061 or 292-9668

March 20, 1980

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DIVISION OF  
OIL, GAS & MINING

## Memorandum of Discussion

**Subject:** March 14, 1980, Meeting at Eureka Energy Company Offices in Salt Lake City Concerning the Eureka Energy Company Sage Point-Dugout Canyon Mining Project Near Price, Utah

**To:** Eureka Energy Company, 1010 Kearns Building, 136 South Main Street, Salt Lake City, Utah 84101



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## Memorandum of Discussion

**Subject:** March 14, 1980, Meeting at Eureka Energy Company Offices in Salt Lake City Concerning the Eureka Energy Company Sage Point-Dugout Canyon Mining Project Near Price, Utah

**To:** Ms. Judy Shafer, Office of Surface Mining, Post Office Building, Room 207, 1823 Stout, Denver, Colorado 80202

Ms. Mary Ann Wright, State Division of Oil, Gas, and Mining, 1588 West North Temple, Salt Lake City, Utah 84116

Mr. James Dykman, State Preservation Archeologist, Antiquities Section, 307 West 200 South, Suite 1000, Salt Lake City, Utah 84101

Eureka Energy Company, 1010 Kearns Building, 136 South Main Street, Salt Lake City, Utah 84101

**Info:** Dr. David Madsen, State Archeologist, Antiquities Section, 307 West 200 South, Suite 1000, Salt Lake City, Utah 84101

Mr. Richard Fike, BLM Archeologist, Bureau of Land Management, University Club Bldg., 136 East South Temple, Salt Lake City, Utah 84111

Mr. R. F. Goudge, Eureka Energy Company, P.O. Box 1506, Price, Utah 84501

AERC, in consultation with Eureka Energy Company, will be initiating a limited cultural resource evaluative and preservational program concerning surfaces within the Eureka Energy Sage Point-Dugout Canyon coal lease tracts which could be altered through subsidence. This program will be conducted as was discussed in the March 14, 1980, meeting attended by representatives from Eureka Energy Company, OSM, BLM, Utah State Offices and AERC.

The purpose of the March 14 meeting was to demonstrate the level of intensity and results achieved during previous archeological evaluations conducted in the project area. These included the following:

- a) The random 2% sample reconnaissance results related to drill hole and access road examinations in the uplands have produced negative results;
- b) The 1975 through 1979 random and non-random intensive evaluations covering 4% of the surfaces within the coal lease tracts have yielded only two sites situated on the lease border near the mouth of Dugout Canyon.

AERC proposed, on the basis of these findings, that an intensive evaluation, or an elaborate sample survey project of the uplands, should not be undertaken and recommended that an ongoing evaluation of drill locations should be sufficient to preclude direct disruption of sites during exploration. The apparent absence of any cultural resources in the uplands and the probability that subsidence disruption would be slight to non-existent was noted. AERC, thus, concluded that an extensive archeological survey of the uplands was not warranted.

A discussion of these findings and recommendations resulted in a general determination of future archeological procedures to be used relative to the uplands. These procedures to be undertaken by Eureka Energy Company, include the following:

1) All surfaces within the mining lease tract which are scheduled for disruption during exploration and mine development, e.g., drill locations, access routes, portals, communication network systems and service areas, will continue to be intensively evaluated for historic and pre-historic cultural resources. Isolated artifacts and archeological sites will be processed by appropriate means and archeological reports on the project results will be prepared and forwarded to all relevant government agencies and made available as part of the mining permit applications.

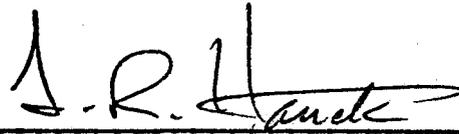
2) Cultural resource sites discovered during field surveys will be preserved through avoidance procedures. Should avoidance of significant sites be impossible, then appropriate testing and salvage operations will be initiated under consultation with federal agencies, the SHPO, and Eureka Energy Company.

3) AERC will conduct a biased location-specific survey of 8% of the surfaces within the coal lease tracts which could subside to three feet or greater, as specified by Ms. Judy Shafer of OSM. That 8%, combined with the 2% previously completed in the uplands, will constitute a 10% sample survey of those surfaces which could receive some impact during future subsidence related to long-wall mining. Conclusions concerning cultural resource presence, absence, and significance resulting from this reconnaissance will be utilized to structure AERC's final recommendations on this area.

4) Subsurface cultural remains exposed during mine development will be preserved by Eureka Energy Company personnel from further disturbance until a professional archeologist can evaluate the resource and initiate appropriate salvage/preservation action.

5) Cultural resource sites discovered lying within the project area but outside the direct surface disturbance zone will be preserved from surface disruption through

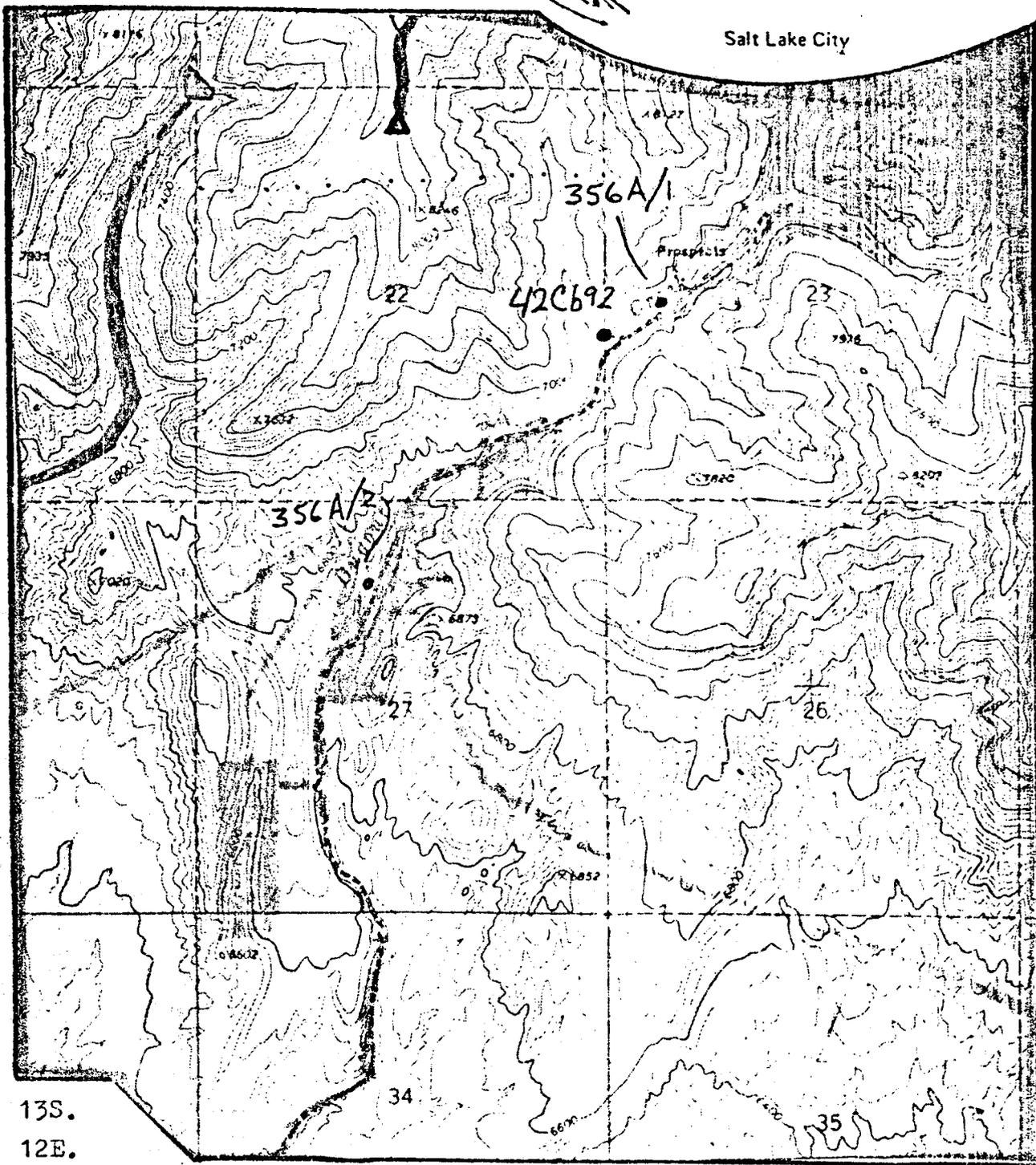
avoidance. The location of such sites will be correlated with future subsurface mining patterns. Non-significant sites potentially endangered by surface subsidence caused by the future withdrawal of coal deposits and mining supports will be monitored to better ascertain the degree and type of indirect impact which can occur through subsidence. During the monitoring, if serious impact upon the site resulting from subsidence occurs, or appears to be imminent, appropriate site salvage operations will be undertaken by Eureka Energy Company under advisement with appropriate federal and state archeologists.

A handwritten signature in black ink, appearing to read 'F. R. Hauck', written over a horizontal line.

F. R. Hauck, Ph.D.  
President



Salt Lake City



I. 13S.  
R. 12E.

Meridian: Salt Lake B. & M.

Quad:

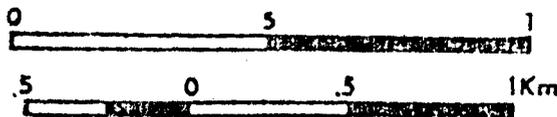
Project: EREC-79-1  
Series: Central Utah  
Date: 3/21/80

Map 2  
Archeological Sites in the  
Sage Point-Dugout Canyon  
Locality Near Price, Utah  
Recorded As Of 1/1/80

Special

Legend:

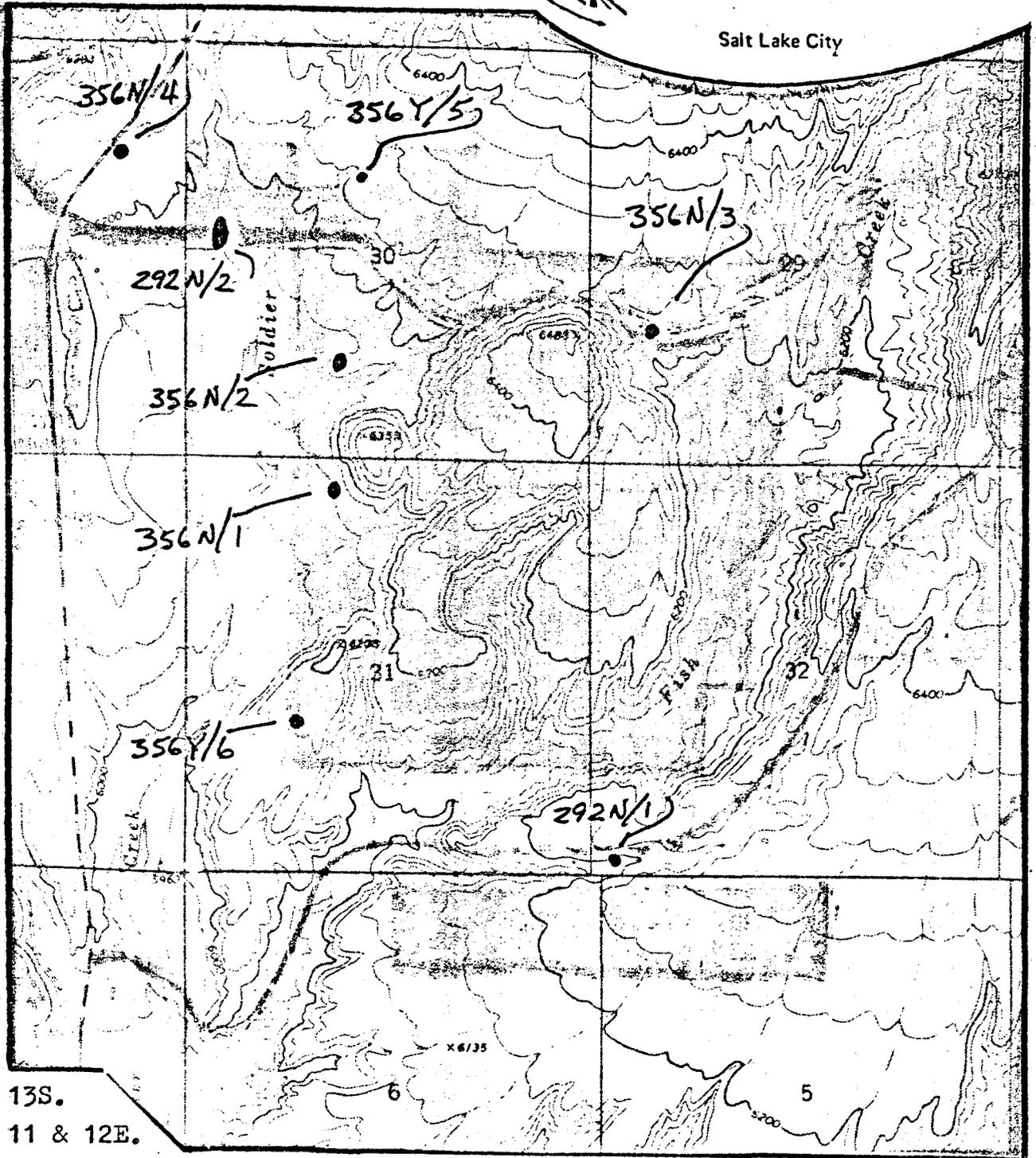
Archeological Site



Scale



Salt Lake City



T. 13S.  
R. 11 & 12E.

Meridian: Salt Lake B. & M.

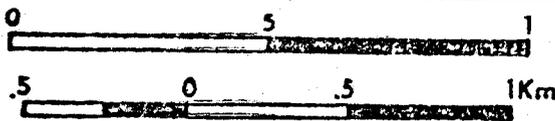
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Project: EREC-79-1	Map 3
Series: Central Utah	Archeological Sites in the Sage Point-Dugout Canyon Locality Near Price, Utah Recorded As Of 1/1/80
Date: 3/21/80	

Special

Legend:

Archeological Site •



Scale

file ACT/007/009  
March 14, 1980  
Eureka Energy Company  
Salt Lake City

Archeology Meeting Attendees

David W. Hess	Eureka Energy, San Francisco
Clayton Parr	Martineu, Rooker, Larsen & Kimball rep. Eureka Energy
Richard E. Fike	B.L.M. Archaeologist
Jim Dyknan	SHPO, Office
Judy Shafer	O.S.M., Denver
Mary Ann Wright	Oil, Gas and Mining
Paul Anderson	Eureka Energy, Salt Lake
Bruce Benzler	Eureka Energy, San Francisco
Dennis G. Weder	Archeological-Environmental Res. Corp.
F. R. Hauck	Archeological-Environmental Res. Corp.
R. F. Goudge	Eureka Energy, Price