

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG: ELECTRIC LOG: FILE **X** WATER SANDS: LOCATION INSPE: SUB REPORT and

DATE FILED: **2-25-94**

LAND FILE PATENTED: STATE LEASE NO: **ML-43584** PUBLIC LEASE NO: INDIAN

DRILLING APPROVED: **3-14-94**

SPEEDED IN:

COMPLETED: PUT TO PRODUING

INITIAL PRODUCTION:

GRAVITY API:

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LOCATION ABANDONED EFFECTIVE 8-14-95**

FIELD: **WILDCAT**

UNIT:

COUNTY: **KANE**

WELL NO: **KAIBAB 1-2** API NO. **43-025-30023**

LOCATION: **715' PNL** FT FROM (N) IS) LINE: **695' FWL** FT FROM (E) (W) LINE: **NW NW** 1/4 - 1/4 SEC: **2**

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				42S	2W	2	BURNETT OIL COMPANY

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5 Lease Designation and Serial Number ML-43584 (Utah)
1A Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6 # Indian Allottee or Tribe Name
CONFIDENTIAL STATUS REQUESTED HEREWITH B Type of Well OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER Wildcat/Oil SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7 Unit Agreement Name
2 Name of Operator Burnett Oil Co., Inc.		8 Farm or Lease Name
3 Address and Telephone Number Local contact for info., David L. Allin 521-0215 301 Cherry Street, Suite 1500, Fort Worth, TX 76102 517-332-5108		9 Well Number Kanab 1-2
4 Location of Well (Footages) At Surface 715' FNL and 695' FNL At Proposed Producing Zone Well to be drilled vertically as allowed R649-3-2-1		10 Field and Pool or Wildcat Wildcat
14 Distance in miles and direction from nearest town or post office 33 miles east of Kanab via U. S. Highway 59		11 Ord/Qu/ Section Township Range, Meridian N4NW, Section 2, T 42 S, R 2 W, S1M
15 Distance to nearest property or lease line (feet) 695'	16 Number of acres in lease 637.05	17 Number of acres assigned to this well 40.00
18 Distance to nearest well drilling completed or applied for on this lease (feet) NA	19 Proposed Depth 2,900'	20 Rotary or cable tool Rotary
21 Elevations (show whether DF RT GR, etc.) 5,293.1' ungraded GR		22 Approximate date work will start April 15, 1994

23 PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12.25"	H-40, 9.624"	32.30 lbs	900'	250 sx (to surface)

DESCRIBE PROPOSED PROGRAM If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

Well will test stratigraphic section from the lower Triassic Moenkopi formation through the uppermost 300' of the Mississippian Redwall formation. Petroleum production potential of the Mooney Falls member of the Redwall formation will be evaluated. The well is planned to be drilled with air as the circulating medium until subsurface water flows expected in the lower Permian section near a depth of 2,200' require continued drilling with mist or aerated water to TD. The blowout preventer and choke manifold will be rated to 3,000 psi. Please refer to several attachments hereto including but not limited to the plat of the location (note footage change from the Notice of Staking plat), a copy of the Division of Water Rights approval for use of water at the site, an agent designation letter, an operator designation letter, and a multipage drilling program to comply with the requirements of R649-3-4-2-6.

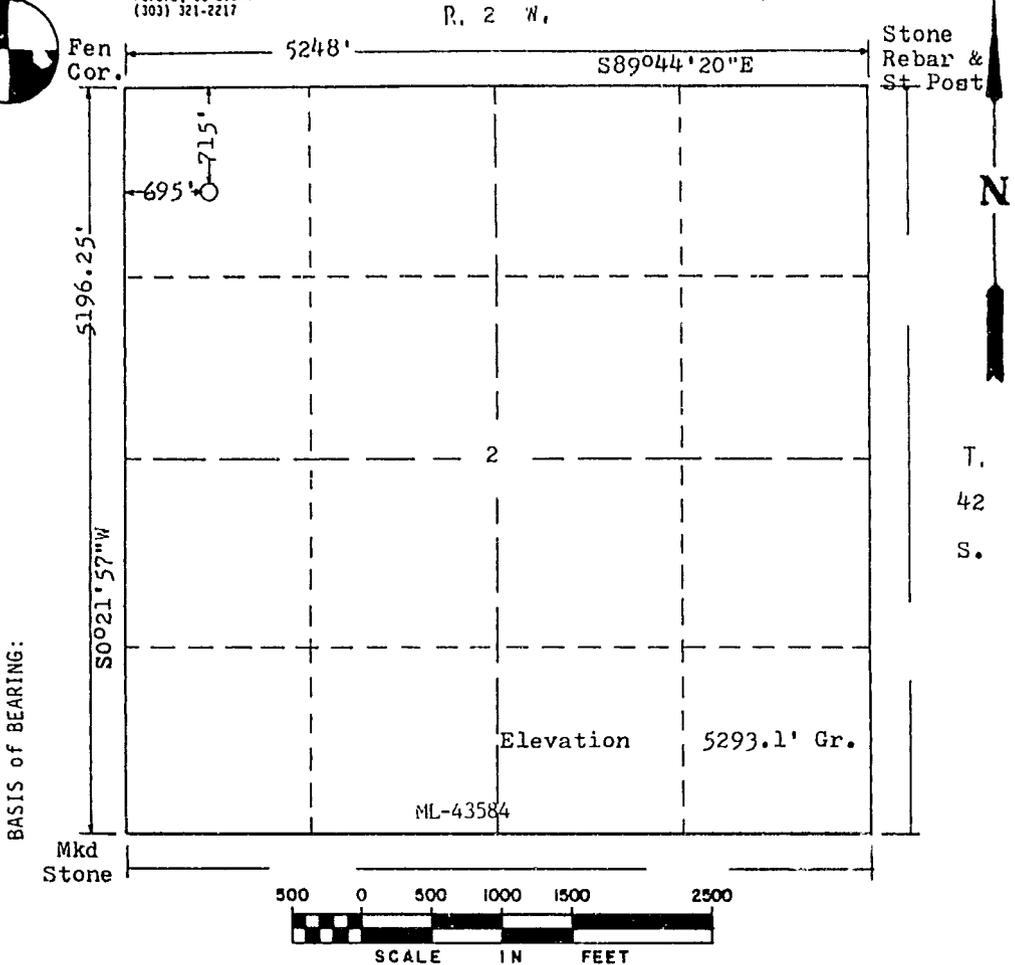
24
Name & Signature David L. Allin Title Agent Date 2-22-94

(This space for State use only)

API Number Assigned _____

Approval _____

FEB 25 1994



Powers Elevation Co., Inc. of Denver, Colorado has in accordance with a request from Dave Allin for Burnett Oil Co., Inc. determined the location of Kaibab 1-2 to be 715'FN & 695'FW Section 2, Township 42 S. Range 2 W. of the Salt Lake Principal Meridian, Kane County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of Kaibab 1-2

Date: 6-16-93

T. Nelson
 Licensed Land Surveyor No. #2711
 State of Utah

FEB 25 1994

5 Lease Designation and Serial Number NL-43584 (Utah)
6 If Indian, A'Hottee or Tribe Name
7 Unit Agreement Name
8 Farm or Lease Name
9 Well Number Kaibab 1-2
10 Field and Pool, or Wildcat Wildcat
11 Qtr/Dir Section, Township, Range, Meridian NWNW, Section 2, T 42 S, R 2 W, S1M
12 County Kane
13 State UTAH

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A Type of Work DRILL DEEPEN
 CONFIDENTIAL STATUS REQUESTED HIREWITI
 B Type of Well OIL GAS OTHER Wildcat/Oil SINGLE ZONE MULTIPLE ZONE

2 Name of Operator
Burnett Oil Co., Inc.
 3 Address and Telephone Number Local contact for info., David L. Allin 521-0215
 801 Cherry Street, Suite 1500, Fort Worth, TX 76102 817-332-5108
 4 Location of Well (Footages)
 At Surface 715' FNL and 695' FWL
 At Proposed Producing Zone Well to be drilled vertically as allowed R649-3-2-1

14 Distance in miles and direction from nearest town or post office
33 miles east of Kanab via U. S. Highway 89

15 Distance to nearest property or lease line (feet) 695'	16 Number of acres in lease 637.05	17 Number of acres assigned to this well 40.00
18 Distance to nearest well drilling completed or applied for, on this lease (feet) NA	19 Proposed Depth 2,900'	20 Rotary or cable tools Rotary

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5,293.1' ungraded GR

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24 Name & Signature David L. Allin *[Signature]* Title APPROVED BY THE STATE 2-22-94

(This space for State use only)

API Number Assigned 43 9-15-37703

Approval DATE: 2-16-94
 BY: *[Signature]*
 WELL SPACING: R649-3-2

R. 2 W.

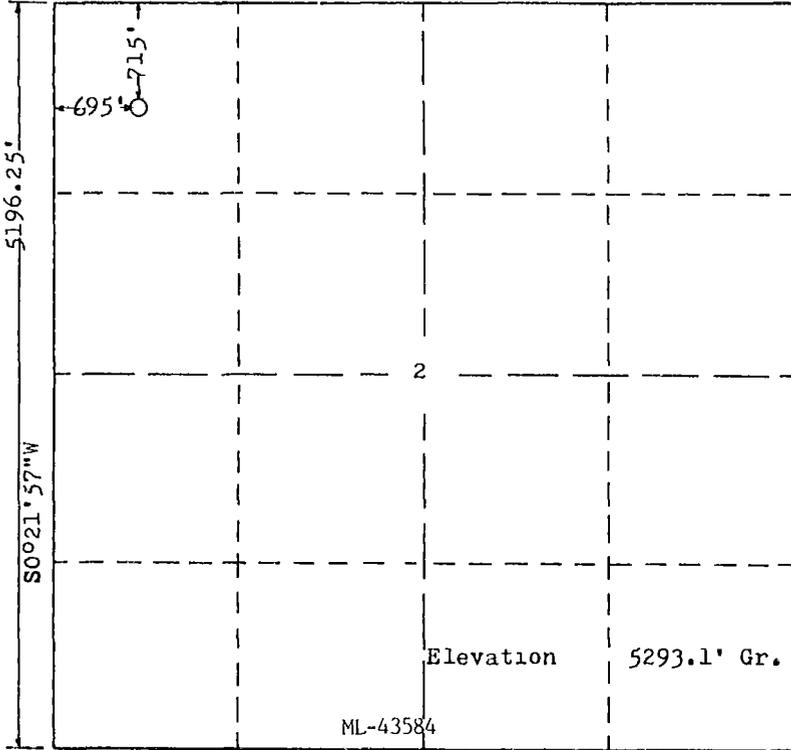


Fen
Cor.

5248'

S89°44'20"E

Stone
Rebar &
St. Post

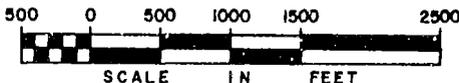


N

T.
42
S.

BASIS of BEARING

Mkd
Stone



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I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Kaibab 1-2

Date: 6-16-93

T Nelson

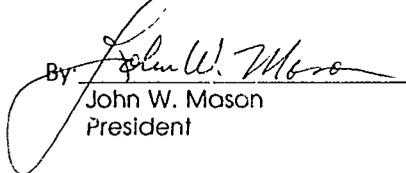
Licensed Land Surveyor No. #2711
State of Utah

DESIGNATION OF AGENT

TO WHOM IT MAY CONCERN:

Please be advised that David Allin is hereby designated as Burnett Oil Co., Inc.'s agent with respect to preparations for oil and gas operations conducted in Kane County, Utah.

Burnett Oil Co., Inc.

By: 
John W. Mason
President

LIPPINCOTT INVESTMENTS, INC.

3276 EAST BENGAL BOULEVARD

P O BOX 17843

SALT LAKE CITY, UTAH 84117

VOX 801 943 0785
FAX 801 943 078

February 23, 1993

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
III Triad, Suite 350
Salt Lake City, UT 84180-1203

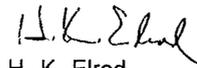
Re Oil, Gas & Hydrocarbon Lease ML-43584
Designation of Operator

Ladies and Gentlemen

Please accept this letter as evidence that Lippincott Investments, Inc , the current lessee of ML-43584, designates Burnett Oil Co , Inc of Fort Worth, Texas as operator of our 100% working interest in the aforesaid lease Burnett Oil Co , Inc can be contacted at 801 Cherry Street, Suite 1500, Fort Worth, TX 76102 and at 817-332-5108 via telephone

Sincerely yours,

Lippincott Investments, Inc.



H K Elrod
Secretary-Treasurer

HKE/da

cc: Utah Division of State Lands & Forestry
Burnett Oil Co , Inc

BURNETT OIL CO., INC. KAIBAB 1-2
Drilling Program to Comply with R649-3-4-2-6
Attachment to Form 3 Dated February 22, 1994

1. The estimated tops of important geologic markers are as follows:

Triassic Moenkopi Formation	Surface
Permian Kaibab Limestone	125'
Permian Toroweap Formation	360'
Permian Coconino Sandstone	802'
Permian Hermit Shale	875'
Permian Queantoweap Sandstone	1,350'
Pennsylvanian Callville Formation	2,270'
Mississippian Redwall Limestone	2,584'
TD 300+' into Redwall Limestone	2,900'

2. The first point at which water will be encountered will be near the base of the Permian section at 2,200'. Any moisture encountered above that will be vadose water.

The possible oil bearing zones to be intersected are as follows:

Mississippian Redwall Limestone	
Mooney Falls Ls. Mbr. porosity	2,717-2,900'

Should the Mooney Falls Limestone Member porosity prove to be oil-bearing, it will be protected by a 5.50" production string cemented in the 8.75" hole.

3. The minimum specification for pressure control equipment is 3,000 psi capacity with an 11" annular BOP and pipe and blind rams operable remotely with hydraulics or manually. In addition, the wellhead will be plumbed at minimum to allow for one kill line, one choke and flowline, and one gauge for pressure measurement with a working capacity of 3,000 psi. See schematic diagram of the BOPE stack. The operator may use equipment rated to higher working pressures or attach a choke manifold rated at 3,000 ps. working pressure. A Kelly cock and bit float will be used in the drillstring.

The BOPE will be nipped up on the surface casing and hydraulically tested for thirty minutes to one psi/ft or 900 psi prior to drilling out cement. In addition to the initial pressure test the BOPE will be checked for physical operation each trip. Each month the BOPE will be tested to the maximum anticipated pressure to be contained at the surface, 1,000 psi. All tests and checks will be noted on the daily drilling report.

4. The drilling contractor identified as available at this time is Four Corners Drilling Company based in Farmington, New Mexico. The rig available for use is Number 4. A schematic diagram of the layout of this rig is attached hereto. If this equipment is not available, similar equipment will be utilized. Note that the drill rig will be oriented so that the bloopie line and reserve pit will be located downwind of the wellhead to the northeast of all equipment and personnel.

The drilling plan is to drill surface hole with a 12.25" bit dusting with air to 900' (25' into the Hermit Shale) then set 9.625", H-40, 32.30 ppf casing and cement same to the surface with 250 sacks of neat cement mixed with 2 percent calcium chloride. The BOPE will be nipped up and tested. The well will be continued with an 8.75" bit to TD projected at 2,900' using air.

5. The well is to be drilled with air as deeply as possible. The air rate is to be 2,000 cubic feet per minute at 1,500 psi. The first water bearing zone is expected at about 2,200' and at that point the

circulating medium will be changed to foam. Due to the very low fluid pressures in the subsurface formations every precaution will be taken to avoid overbalancing the well to make good returns possible and the proper evaluation of oil shows. Depending upon the volume of water influx, the circulating medium may have to be changed to aerated water.

The circulating medium will be monitored for volume and pressure. In addition, a mud logging unit will be set up on site and a gas chromatograph will be used to monitor shows. It should be noted here that the subsurface section is in a recharge area for fresh water and the aquifers to be encountered are undergoing dynamic flow conditions. Due to this situation, light hydrocarbons have been washed out of the system and little or no natural gas is anticipated.

During 1956 and 1957, Tidewater Oil Company drilled a well 5 miles to the south of the Kaibab 1-2 site. The operator drill stem tested the upper 40' of the Tapeats Sandstone (beneath the Bright Angel Shale) between the depths of 4,830' and 4,870'. During the 3 hour open flow a weak blow was noted. The pipe recovery was 240' of mud and 270' of gas cut mud. Hydrogen sulfide was not present. The flowing pressure reached 200 psi and the shut in pressure reached 220 psi after one hour. Although the shut in pressure may not have stabilized and the top of the Tapeats is less porous and permeable than the bottom, this test indicates very low formation pressures on Five Mile Mountain. The fresh water head for the Tapeats Sandstone at the Tidewater location calculates to an elevation of only 1,650' above mean sea level.

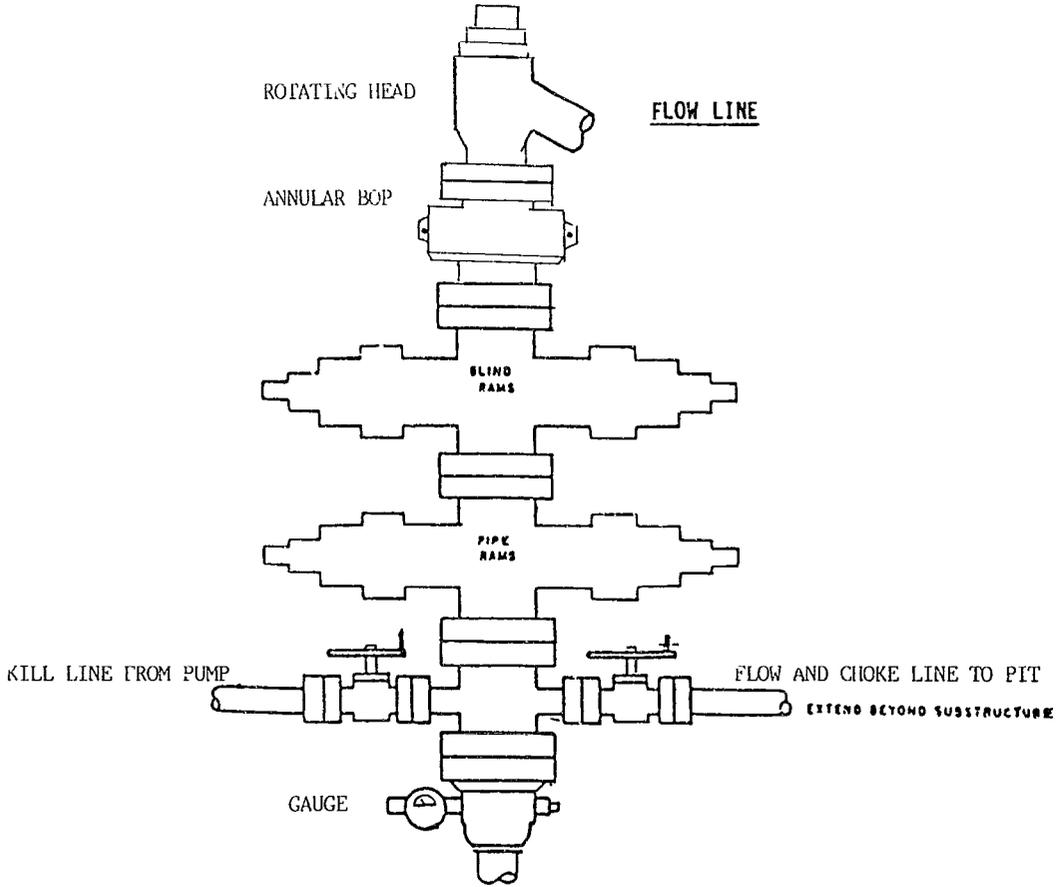
6. No testing or coring is planned. The logging program will include at minimum Dual Induction-SFL and Compensated Neutron-Formation Density logs. Additional testing will be dependent upon oil shows.

7. The expected bottom hole pressure is 900 psi. Other than below normal pressures, no abnormal pressures are anticipated. No abnormal temperatures are anticipated. No potential hazards such as hydrogen sulfide are expected to be encountered.



David L. Allin, Agent

3000 p_{si} WORKING PRESSURE PREVENTER STACK
Minimum Specifications



BPOE Diagram

TEMPORARY
FILING FOR WATER RIGHTS
STATE OF UTAH

Rec by GWS
 Fee Rec 75.00
 Receipt # 94118

JAN 18 1994

TEMPORARY

APPLICATION TO APPROPRIATE WATER RIGHTS

RECEIVED
 Roll # _____
 JAN 13 1994
 WATER RIGHTS
 CEDAR CITY

I or the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 2, Utah Code Annotated (1953 as amended)

*WATER RIGHT NO 89 - 1507 *APPLICATION NO ~~89~~ T67416

1 *PRIORITY OF RIGHT: _____ *FILING DATE: January 13, 1994

2 OWNER INFORMATION
 Name(s) Burnett Oil Co., Inc. (David L. Allin, Agent) *Interest _____ %
 Address 801 Cherry Street, Suite 1500 (660 N. Columbus St., SLC, UT 84103-2117)
 City Fort Worth State TX Zip Code 76102
 Is the land owned by the appl cant? Yes _____ No X (If "No", please explain in EXPLANATORY section)

3 QUANTITY OF WATER _____ cfs and/or five ac-ft

4 SOURCE: Paria River *DRAINAGE: _____
 which is tributary to Colorado River
 which is tributary to NA

POINT(S) OF DIVERSION _____ COUNTY: Kane
NW 1/4 SW 1/4 NW 1/4 Section 3, T43S, R1W, S1M

Description of Diverting Works None. Water to be pumped from river bed into trucks.
 *COMMON DESCRIPTION: _____

5. POINT(S) OF REDIVERSION
 The water will be rediverted from NA _____ at a point _____

Description of Diverting Works _____

6 POINT(S) OF RETURN
 The amount of water consumed will be _____ cfs or five ac-ft
 The amount of water returned will be _____ cfs or none ac-ft
 The water will be returned to the natural stream/source at a point(s) _____

7. STORAGE
 Reservoir Name None Storage Period from _____ to _____
 Capacity _____ ac-ft Inundated Area _____ acres
 Height of dam _____ feet
 Legal description of inundated area by 40 acre tract(s) _____

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

8 List any other water rights which will supplement this application none

9 NATURE AND PERIOD OF USE

Irrigation	From _____	to _____
Stockwatering	From _____	to _____
Domestic	From _____	to _____
Municipal	From _____	to _____
Mining	From _____	to _____
Power	From _____	to _____
Other	From <u>March 1</u>	to <u>July 1</u> 1994

10 PURPOSE AND EXTENT OF USE

Irrigation _____ acres Sole supply of _____ acres
 Stockwatering (number and kind) _____
 Domestic _____ Families and/or _____ Persons
 Municipal (name) _____
 Mining _____ Mining District in the _____ Mine
 Ores mined _____
 Power Plant name _____ Type _____ Capacity _____
 Other (describe) To supply well drilling operations and control dust on access roads.

11 PLACE OF USE

Legal description of place of use by 40 acre tract(s) _____
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 36, T43S, R3W, S1M, Kane County
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 2, T42S, R2W, S1M, Kane County

12 EXPLANATORY

The following is set forth to define more clearly the full purpose of this application (Use additional pages of the same size if necessary) The diversion point in the Paria River bed is public land administered by the Bureau of Land Management, Cedar City, Utah District Office.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s)
 BURNETT OIL CO., INC.

Signature of Applicant(s)*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners

David L. Allin, Agent
 Authorized Agent (please print)

 Authorized Agent (signature)

STATE ENGINEER'S ENDORSEMENT

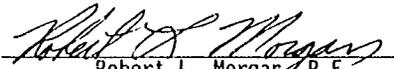
WATER RIGHT NUMBER: 89 - 1507

APPLICATION NO. T67416

1. January 13, 1994 Application received by GWS.
 2. January 13 1994 Application designated for APPROVAL by GWS and KLJ.
 - 3 Comments:
-
-

Conditions:

This application is hereby APPROVED, dated January 21, 1994, subject to prior rights and this application will expire on January 21, 1995.


Robert L. Morgan, P.E.
State Engineer

Five County Association of Governments

MAR 14 1994

906 North 1400 West
St. George, Utah 84770

FAX (801) 673-3540



SOUTHWEST UTAH

Post Office Box 1550
St. George, Utah 84771

(801) 673-3548

AREAWIDE CLEARINGHOUSE A-95 REVIEW

Type of Action: Pre-Application _____ Notification of Intent _____ Application _____
Notice of Federal Action _____

Receipt Date 03-07-94 SAI Number _____ ACH Number _____

Applicant Identification, Address
Utah Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Applicant's Project

Title APPLICATION FOR PERMIT TO DRILL

Funding

N/A

Federal \$ _____

Supplemental _____

State _____

Local _____

Other _____

TOTAL \$ _____

Description. Burnett Oil Co., Inc proposes to drill the Kaibab 1-2 well (wildcat) on state lease HL-43584, Kane County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.

Federal Funding Department and Agency

AREAWIDE CLEARINGHOUSE COMMENTS ON PROPOSAL FOR FEDERAL AID

Staff review completed (date) 03-08-94
Screening Committee review completed (date) 03-09-94
Executive Board Review Completed (date) _____
Referred to originator for additional information (date) _____

- Recommend Approval X Comments (see reverse side of page) X
- Conditionally approved as follows (see reverse side of page) _____
- Recommend Disapproval _____ Comments (see reverse side of page) _____

The project described above (X) does () does not conform with the policy or planning of the multijurisdictional area it directly impacts. Additional information () is (X) is not needed.

We also serve notice that all requirements of the Project Notification and Review System for this multijurisdictional area have been met. Therefore, attach this letter to your application and forward to the federal funding agency.

If this project will be a renewal or continuation grant, please submit your application next year to this areawide clearinghouse for re-review 30 days prior to submission to federal funding agency.

If any Clearinghouse Comments go unresolved, Federal law requires the Applicant to attach a copy of all negative comments to the project application and forward them both to the Federal Funding Agency(ies)

We would anticipate reviewing final project application 30 days prior to submission for funding.

Authorizing Official

03-10-94
Date
Copy of review sent to applicant.

BEAVER

GARFIELD

IRON

KANE

WASHINGTON

AREAWIDE CLEARINGHOUSE COMMENTS

The Utah Division of Oil, Gas and Mining is processing an application to drill a wildcat gas exploration well in the Paria area of Kane County. The well is to be used to document the potential for economically feasible quantities of natural gas in the area. The Kane County Commission has reviewed similar plans from the company and given approval to proceed. The commission supports the prudent development of the natural gas resource as a means to diversify the area economy. (Ken Sizemore)

STATE ACTIONS

Mall to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Trad Center, Suite 350
Salt Lake City, Utah 84180-1203
- 2 STATE APPLICATION IDENTIFIER NUMBER
(assigned by State Clearinghouse)
-
- 3 APPROXIMATE DATE PROJECT WILL START
April 15, 1994
-
- 4 AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS
(to be sent out by agency in block 1)
Front County Association of Governments
-
- 5 TYPE OF ACTION. Lease Permit License Land Acquisition
 Land Sale Land Exchange Other _____
-
- 6 TITLE OF PROPOSED ACTION
Application for Permit to Drill
-
- 7 DESCRIPTION
Burnett Oil Co., Inc. proposes to drill the Kaibab 1-2 well (wildcat) on state lease ML-43584, Kane County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
NW/4, NW/4, Section 2, Township 42 South, Range 2 West, Kane County, Utah
-
- 9 HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
-
- 10 POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR
Degree of impact is based on the discovery of oil or gas in commercial quantities
-
- 11 NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE
-
- 12 FOR FURTHER INFORMATION, CONTACT
Frank R. Matthews
PHONE. 538-5340
- 13 SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL

DATE 3-2-94
Petroleum Engineer

WO1187

11 112
12,200 NP

**CULTURAL RESOURCE EVALUATION
OF TWO PROPOSED WELL LOCATIONS IN THE
BUCKSKIN MOUNTAIN - SAND GULCH
LOCALITIES OF
KANE COUNTY, UTAH**

Report Prepared for ALLIN PROPRIETARY, Inc.

Dept. of Interior Permit No.: UT-92-54937
AERC Project 1382 (AP-93-1)

Utah State Project No.. UT-93-AF-198b,s

Principal Investigator & Author of Report
F. Richard Hauck, Ph.D.



ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)

181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853

June 4, 1993

ABSTRACT

Intensive cultural resource evaluations have been conducted for Allin Proprietary, Inc. of two proposed well locations that are situated in the Buckskin Mountain and Sand Gulch localities of Kane County, Utah. This archaeological examination of the Kaibab Units 1-36 and 1-2 well locations and associated access routes was conducted on May 26 and 27, 1993 by the Archeological-Environmental Research Corporation (AERC); F.R. Hauck was principal investigator assisted by Lance Harding.

Kaibab Unit No. 1-2 is situated in the Sand Gulch locality adjacent to Telegraph Flats. Kaibab Unit No. 1-36 is located on the top of Buckskin Mountain about 15 miles to the southwest of the No. 1-2 unit. Both locations and their access routes are on Utah State lands. The intensive evaluations of these units and their access routes was extended to cover ca. 1.8 miles of existing roadway on Buckskin Mountain which includes ca. .9 miles on Federal lands and ca. .9 miles on Utah State lands. An additional ca. 6 miles of existing roadway on Federal lands leading into the Kaibab Unit No. 1-36 location were non-intensively examined from the roadway during the three round-trip travel episodes into this well location.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No paleontologically sensitive areas were observed or recorded

Three newly identified cultural resource activity loci were evaluated and recorded during the intensive examination of the 1.8 mile-long existing roadway corridor. These sites (42KA 3950, 42KA 3951, and 42KA 3952) consist of one marginally significant prehistoric quarry site and lithic manufacturing locus and two non-significant prehistoric sites of the same type. All three prehistoric sites have been impacted by the earlier construction of the existing roadway. Additional blading and vehicle traffic within the established roadway across these sites is not considered to pose any further threat to their limited integrity.

AERC recommends project clearance based upon adherence to the stipulations noted in the final section of this report.

TABLE OF CONTENTS

	<i>page</i>
Abstract	ii
Table of Contents	iii
List of Maps of the Project Area	iv
Figure 1: Artifact Sketch	iv
General Information	1
Project Location	1
Environmental Description	4
Previous Research in the Locality	4
File Search	4
Prehistory and History of the Project Area	5
Site Potential in the Project Development Zone	5
Field Evaluations	5
Methodology	5
Site Significance Criteria	6
Results of the Inventory	7
Site 42KA 3950	7
Site 42KA 3951	7
Site 42KA 3952	8
Conclusion and Recommendations	10
References	11

LIST OF MAPS OF THE PROJECT AREA

	page
MAP 1: Cultural Resource Survey of the Proposed Kaibab Unit No 1-2 in the Sand Gulch Locality of Kane County, Utah	2
MAP 2: Cultural Resource Survey of the Proposed Kaibab Unit No 1-36 in the Buckskin Mountain Locality of Kane County, Utah	3

GENERAL INFORMATION

On May 26 and 27, 1993, AERC archaeologist F.R. Hauck assisted by Lance Harding conducted intensive cultural resource evaluations for Allin Proprietary, Inc. of Salt Lake City. These examinations involved a ca. 1.8 mile-long existing roadway that extends in a roughly east-west orientation on the top and upper north slope of Buskskin Mountain, and two proposed well locations (Kaibab Units 1-2 and 1-36) that are situated in the Sand Gulch and Buckskin Mountain localities of Kane County, Utah.

The existing roadway into the Buckskin Mountain project area is situated on federal lands administered by the Kanab Resource Area office and the Cedar City District office of the Bureau of Land Management. The well locations, proposed access routes, and remainder of the existing roadway are on Utah State lands. About .9 miles of exiting roadway that was intensively examined and another ca. 6 miles of existing roadway that was non-intensively examined providing access to the top of Buckskin Mountain are situated on BLM administered lands. Another .9 miles of intensively surveyed existing roadway and the two well locations and their access routes are all on Utah State lands.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and their respective access routes requires an archaeological evaluation in compliance with the Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

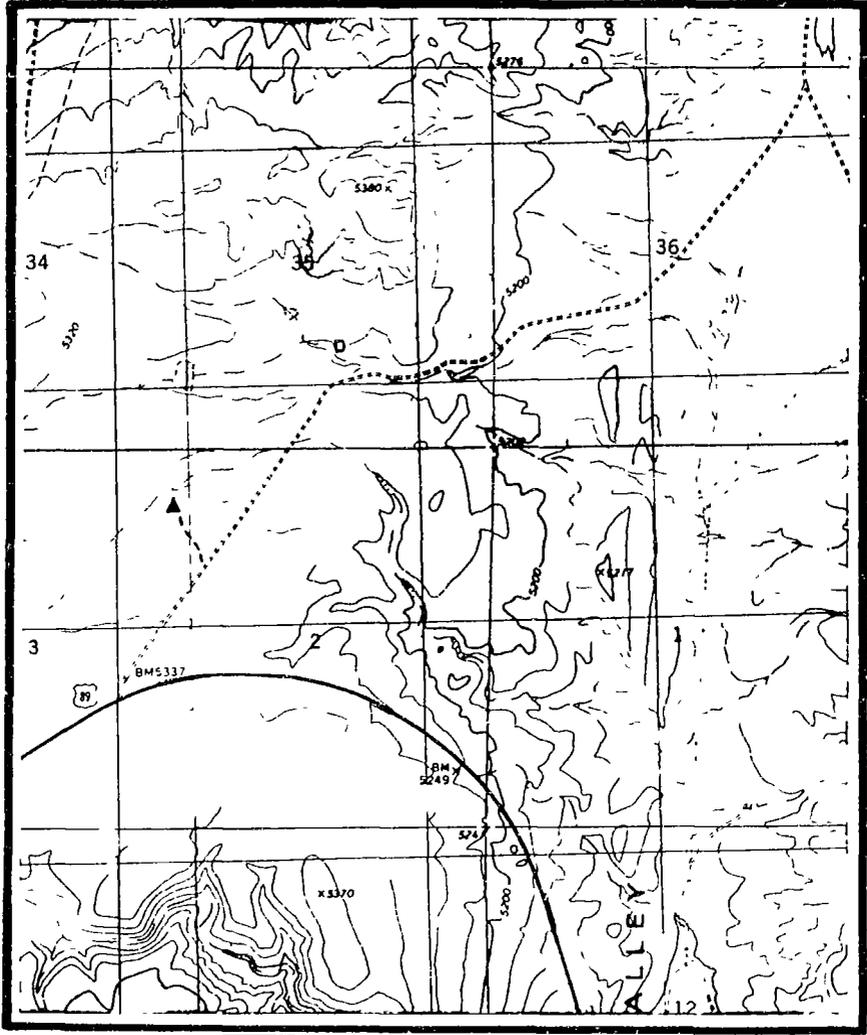
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the appropriate state and federal offices and also to the Antiquities Section of the Utah State Division of History. This work was done under U.S. Department of Interior Permit for Utah UT-92-54937 which expires on Jznuary 31, 1994.

Project Location

This project areas are displayed within the Pine Hollow Canyon and Fivemile Valley 7 5 minute topographic quads as shown on Maps 1 and 2

Kaibab Unit No 1-2 which is situated in the Sand Gulch locality near Telegraph Flats is located in the northwest quarter of the northwest quarter of Section 2, Township 42 South, Range 2 West. The access 2 mile-long access route for this location extends northwest from the Pariah road (see Map 1)

AERC



T. 42 South
 R. 2 West
 Meridian: S.L.
 Quad: Fivemile
 Valley, Ut.

MAP 1
 Cultural Resource Survey
 of Proposed Kaibab Unit
 No. 1-2 in the Sand Gulch
 Locality of Kane County

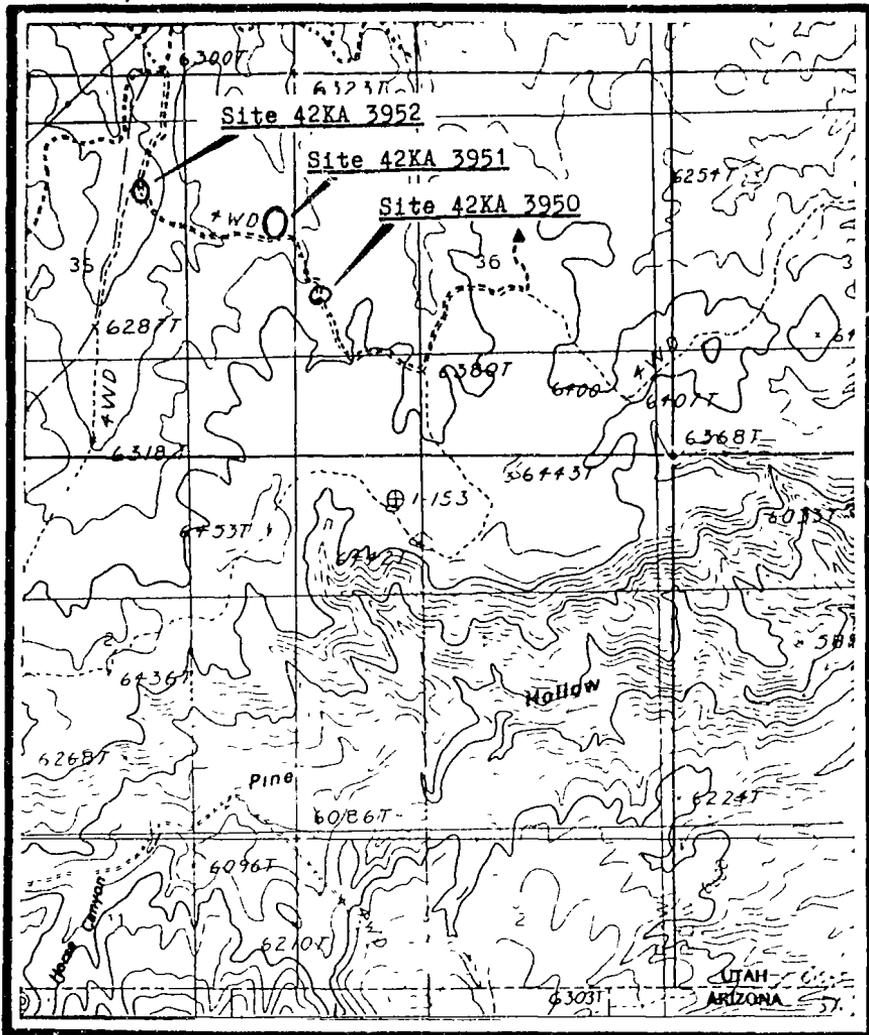
Legend:
 Well Location ▲
 Access Route



Project: AP-93-1
Series: So. Utah
Date: 6-4-93

Scale: 1:24000





T. 43 South
 R. 3 West
 Meridian: S.L.
 Quad: Pine Hollow Canyon Utah

MAP 2
 Cultural Resource Survey
 of Proposed Kaibab Unit
 No. 1-36 in the Buckskin
 Mountain Locality

Legend:
 Well Location ▲
 Access Route - - - - -
 Cultural Site ○
 Existing Road Survey - - - - -

4
 N

Project: AP-93-1
Series: So. Utah
Date: 6-4-93

Scale: 1:24000



The Kaibab Unit No. 1-36 is located on the top of Buckskin Mountain in the southwest quarter of the northeast quarter of Section 36, Township 43 South, Range 3 West. It is accessible from Section 4 in the same township and range via the existing roadway that exits Highway 89 in that location and extends in a southeasterly direction to ascend to the top of Buckskin Mountain. The initial ca. 6 miles of existing roadway were non-intensively examined from the roadway during the three travel episodes into this project area (not shown on the map). The final 1.8 miles of that existing roadway were intensively examined on foot. Some .9 miles of that roadway is on BLM administrated lands and the remaining ca. .9 miles is on Utah State lands. The .15 miles of proposed access route into this unit extends in a northerly direction from the existing roadway in the center of Section 36 to the location (see Map 2).

Environmental Description

The project areas range in elevation above sea-level from the 5260 elevation associated with the Kaibab Unit No. 1-2 to the 6300 to 6420 foot elevation zone inventoried during the evaluations associated with the Kaibab Unit No. 1-36.

A sandy, sage covered valley floor environment was encountered at the Kaibab 1-2 unit. That environment contrasts markedly with the pinyon-juniper woodland that covers Buckskin Mountain location.

The vegetation throughout the project area includes a diverse range of flora including such species as *Chrysothamnus spp.*, *Ephedra viridis*, *Artemesia tridentata*, *Purshia tridentata*, *Quercus spp.*, *Juniperus spp.*, *Pinus edulis*, *Yucca spp.*, *Opuntia spp.*, and a variety of grasses.

The geological associations encountered during these evaluations include Quarternary deposits in the Sand Gulch locality and the Kaibab Limestone Formation in both the Sand Gulch and Buckskin Mountain localities. The Kaibab Limestone Formation is associated with the middle Permian era.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on May 24, 1993. A similar search was conducted at the Kanab Area office of the BLM on May 25, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

Two known cultural sites are situated within a two mile radius of the Buckskin Mountain location. These sites have been designated 42KA 1528 and 42KA 1529 and are non-significant lithic scatters. Several inventories have been conducted by Rick Thompson in 1988 within a mile of the Sand Gulch location (Kaibab Unit No. 1-2). Those surveys resulted in the documentation of Site 42KA 3778, a non-significant open occupation (Thompson 1988).

Prehistory and History of the Cultural Region

Currently available information indicates that the Colorado Plateau Cultural Area has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 – 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. – A.D. 300), and Formative (ca. A.D. 400 – 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 – 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53)

Site Potential in the Project Development Zone

Previous archaeological evaluations in the Sand Gulch and Buckskin Mountain localities have resulted in the identification of cultural resource sites having marginal to no potential eligibility for nomination to the National Register of Historic Places (NRHP).

Site density in the two project areas is high ranging from ten sites per square mile to over 500 sites per section in the accessible, open, and well watered areas.

FIELD EVALUATIONS

Methodology

Intensive evaluations have been conducted in the existing 1.8 mile-long roadway on Buckskin Mountain and in the proposed access routes and well locations relative to this report. These evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects. Seventy meter radii were examined around each well center. Corridors ranging from 15 to 20 meters in width were evaluated in association with the access routes and roadway studies. Thus, some 4 acres of well locations and another 13 acres associated with access route corridors and the 1.8 mile long existing roadway were evaluated.

The observation of cultural materials during a surface inventory results in intensive examinations to determine the nature of the resource (isolate or activity locus). The documentation of each specific cultural site involves sketching, photography, and appropriate recordation on standard IMACS forms. Cultural sites are also evaluated for temporal/spatial/cultural associations and resource significance utilizing the criteria described in the section below. In assessing any given site's potential for disturbance due to the proposed developmental activity, the archaeologist identifies specific resource avoidance procedures or develops, with the concurrence of the client, a mitigation plan to preserve the resource from the expected destruction. Recommendations of these actions are provided to the client and also to the land administrating agency and the state historic preservation office as a means of preserving significant resources which are endangered within the potential development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American .. archaeology . and culture is present in .. sites . that possess integrity of location, design, setting, materials, workmanship, feeling, and association and

- a That are associated with events that have made a significant contribution to the broad patterns of our history, or
- b that are associated with the lives of persons significant in our past; or
- c that embody the distinctive characteristics of a type, period, or method of construction , or
- d that have yielded, or may be likely to yield, information important in prehistory or history

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

Three prehistoric cultural resource sites were newly identified, recorded, and evaluated for significance during the present project. All three sites are situated on Buckskin Mountain and are within the existing roadway that will provide access into the Kaibab Unit No. 1-36 location. These sites have been designated as 42KA 3950, 3951, and 3952. A brief description of these three sites can be provided as follows.

SITE 42KA 3950 (see Map 2)

Site 42KA 3950 consists of a 20 x 50 meter lithic scatter situated on the thin soils riding on the limestone bedrock that is exposed over much of the top of Buckskin Mountain. The site contains a scatter of cores, core shatter, primary, secondary, and tertiary flakes and fragmented biface tools that have been discarded. The lithic material is predominantly white, gray, and red opaque chert and white-red translucent chert. Quartzite debitage is occasionally present. Site was locus for lithic tool manufacture extending from basic core reduction through the various biface thinning stages related to tool manufacture. The diagnostic artifacts observed on the site during the survey consist of side-notched atlatl point fragments. Site appears to date from the Late Archaic-Basketmaker II phases of Southwestern prehistory.

National Register Status This site is not considered to be a significant resource. It contains soil depth of less than 5 cm, no features, no potential for buried features, and no variety of lithic tool types. The contextual integrity of this site has been compromised by surface deflation, erosion and construction. Thus it does not qualify as a potential National Register property under any of the criteria of Title 36 CFR 60.6

Potential for Adverse Effect The existing road into proposed Kaibab Unit No. 1-36 passes through the center of this site. The primary disturbance to the site occurred during the blading of the original roadway; additional vehicle traffic and further surface modification within that bladed right-of-way will not substantially affect this site.

Recommendations None – site is not considered to be eligible for inclusion on the National Register of Historic Places, therefore, mitigation of adverse impact is not recommended.

SITE 42KA 3951 (see Map 2)

Site 42KA 3951 consists of a 100 x 100 meter lithic scatter situated on the thin soils riding on the limestone bedrock that is exposed over much of the top of Buckskin Mountain. The site contains a scatter of cores, core shatter, primary, secondary, and tertiary flakes and fragmented biface tools that have been

discarded. The lithic material is predominantly white, gray, and red opaque chert and white-red translucent chert. Quartzite debitage is occasionally present. One obsidian flake observed. Site was locus for lithic tool manufacture extending from basic core reduction through the various biface thinning stages related to tool manufacture. The diagnostic artifacts observed on the site during the survey consist of side & corner-notched atlatl point fragments. Site appears to date from the Late Archaic-Basketmaker II phases of Southwestern prehistory.

Nat. Register Status This site is considered to be a marginally significant resource. It contains soil depths ranging from 5 to 15 cm., and has limited potential for buried features. The contextual integrity of this site has been partially compromised by surface deflation, erosion, road construction, and collectors. Thus it requires further work to determine whether it qualifies as a potential under criterion d of Title 36 CFR 60.6

Potential for Adverse Effect The existing road into proposed Kaibab Unit No. 1-36 passes through the southern periphery of this site. The primary disturbance to the site occurred during the blading of the original roadway; additional vehicle traffic and further surface modification within that bladed right-of-way will not substantially affect this site.

Recommendations None -- although this site is considered to be marginally eligible for inclusion on the National Register of Historic Places, mitigation of adverse impact is not recommended because adverse effect has already occurred and additional blading and vehicle traffic within the existing right-of-way will not seriously affect the significance of the general site area.

SITE 42KA 3952 (see Map 2)

Site 42KA 3952 consists of a 30 x 50 meter lithic scatter situated on the thin soils riding on the limestone bedrock that is exposed over much of the top and upper slopes of Buckskin Mountain. The site contains a sparse scatter of cores, core shatter, primary, secondary, and tertiary flakes and a single fragmented biface tool. The lithic material is predominantly white, gray, and red opaque chert and white-red translucent chert. Quartzite debitage is occasionally present. Site was locus for lithic tool manufacture extending from basic core reduction through the various biface thinning stages related to tool manufacture. Cultural association is unknown.

National Register Status This site is not considered to be a significant resource. It contains soil depth of less than 5 cm., no features, no potential for buried features, and no variety of lithic tool types. The contextual integrity of this site has been compromised by surface deflation, erosion and construction. Thus it

does not qualify as a potential National Register property under any of the criteria of Title 36 CFR 60.6.

Potential for Adverse Effect The existing road into proposed Kaibab Unit No. 1-36 passes through the center of this site. The primary disturbance to the site occurred during the blading of the original roadway, additional vehicle traffic and further surface modification within that bladed right-of-way will not substantially affect this site

Recommendations None -- site is not considered to be eligible for inclusion on the National Register of Historic Places, therefore, mitigation of adverse impact is not recommended.

No paleontologically sensitive localities were identified during this survey.

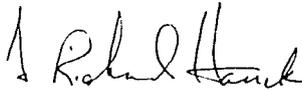
No artifacts were collected during the field evaluations.

CONCLUSION AND RECOMMENDATIONS

The construction and operation of the Kaibab Units 1-2 and 1-36 will not adversely affect any known significant cultural resources located in the Sand Gulch and Buckskin Mountain localities.

AERC recommends that a cultural resource clearance be granted to Allin Proprietary, Inc. relative to the development of Kaibab Units 1-2 and 1-36 as noted above based upon adherence to the following stipulations.

1. roadway widening and blading should be contained within that portion of Site 42KA 3951 which has already been disturbed by previous blading activities in order to curtail any further impact to this marginally significant site.
2. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and associated access corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes;
3. all personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the development areas



F Richard Hauck, Ph D
President and Principal
Investigator

REFERENCES

Hauck, F. Richard

- 1991 **Archaeological Evaluations on the Northern Colorado Plateau Cultural Area.** Report prepared for Grand and Uintah Counties, Special Roads Districts. **AERC Paper No. 45**, Archeological-Environmental Research Corporation, Bountiful.

Thompson, Richard A.

- 1988 Bonneville Fuels Drill Site. Intersearch, Cedar City. (Accession No. 464)

Thompsonm Richard A. and Barbara A. Walling

- 1988 Bonneville Fuels Drill Site. Intersearch, Cedar City (Accession No. 572)

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/25/94

API NO. ASSIGNED: 43-025-30023

WELL NAME: KAIBAB 1-2
OPERATOR: BURNETT OIL COMPANY INC (N3070)

PROPOSED LOCATION:
NWNW 02 - T42S - R02W
SURFACE: 0715-FNL-0695-FWL
BOTTOM: 0715-FNL-0695-FWL
KANE COUNTY
WILDCAT FIELD (001)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology	PJ	3/11/94
Surface	HT	7/7/93

LEASE TYPE: STA
LEASE NUMBER: ML-43584

RECEIVED AND/OR REVIEWED:

 Plat
 Bond: Federal[] State[] Fee[]
 (Number _____)

 Potash (Y/N)
 Oil shale (Y/N)
 Water permit
 (Number 94 / 18)
 RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

 R649-2-3. Unit: _____

R649-3-2. General.

 R649-3-3. Exception.

 Drilling Unit.
 Board Case no: _____
 Date: _____

COMMENTS: SITE REQUIREMENTS BELOW 400'

STIPULATIONS: ~~SEE STIPULATIONS ON WELL SITE REVIEW~~

1. A berm should be constructed on the southwest part of the well site to divert runoff around the location and into the drainage on the west.
2. The reserve pit should be constructed on the east side of the location.
3. A synthetic liner of 14 mil thickness should be installed in the reserve pit. During final reclamation of the site, the liner should be

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: BURNETT OIL COMPANY WELL NAME: KAIBAB 1-2
SECTION: 2 TWP: 42S RNG: 2W LOC: 715 FNL 595 FWL ✓
QTR/QTR NW NW COUNTY: KANE FIELD: WILDCAT
SURFACE OWNER: STATE OF UTAH
SURFACE AGREEMENT: WITH THE STATE OF UTAH
SPACING: STATE SPACING 40 ACRES
GEOLOGIST: MICHAEL HEBERTSON DATE AND TIME: JULY 7, 1993 11:00 AM

PARTICIPANTS: MIKE HEBERTSON, DAVE ALLIN.

REGIONAL SETTING/TOPOGRAPHY: MIDDLE MESA OF KAIBAB LIMESTONE,
HIGH DESERT AREA OF SOUTHERN UTAH, KAIBAB PLATEAU. LOCATED ON THE
NORTHWEST SIDE OF ROAD 1/2 MILE OFF US HIGHWAY 85.

LAND USE:

CURRENT SURFACE USE: WINTER RANGE FOR DEER AND WILDLIFE.

PROPOSED SURFACE DISTURBANCE: 2.5 ACRE LOCATION AND RESERVE PITS
PLUS ROAD ACCESS 16' WIDE 1.5 ACRES, TOTAL 4 ACRES DISTURBED.

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE, .

FLORA/FAUNA: SAGEBRUSH, GRASSES (SPARSE) PRICKLY PEAR & CHOILLA.
DEER, LIZARDS, HAWKS, SMALLER BIRDS, COYOTE, INSECTS.

ENVIRONMENTAL PARAMETERS:

SURFACE GEOLOGY:

SOIL TYPE AND CHARACTERISTICS: MEDIUM RED SANDY CLAY,
SURFACE SOIL, WEATHERED NAVAJO SS & KAIBAB LIMESTONE.
MOCK

SURFACE FORMATION & CHARACTERISTICS: WEATHERED KAIBAB *MOENKO'I*
LIMESTONE AND WIND BLOWN SAND. LIMESTONE IS NOT EXPOSED AT
SURFACE.

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, WEST EDGE
OF LOCATION IS IN A DRAINAGE AND WILL REQUIRE BEING MOVED 50 TO
100 FEET EAST, MINOR SEDIMENTATION, NO STABILITY PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE.

SUBSURFACE GEOLOGY:

OBJECTIVES/DEPTHS: THE OBJECTIVE FORMATION IS THE MISSISSIPPIAN REDWALL FORMATION AT 2,750 ±.

ABNORMAL PRESSURES-HIGH AND LOW: NO ABNORMAL HIGH PRESSURES ARE EXPECTED, THIS AREA IS UNDER PRESSURED AND PROBABLY HAS BEEN PUSHED.

CULTURAL RESOURCES/ARCHAEOLOGY: NONE.

CONSTRUCTION MATERIALS: LOCATION WILL BE CONSTRUCTED WITH MATERIALS AT THE SITE USING CUT & FILL AS AVAILABLE, DISTURBANCE WILL BE KEPT TO A MINIMUM.

SITE RECLAMATION: AS REQUIRED BY STATE LANDS.

RESERVE PIT:

CHARACTERISTICS: 90 X 50' CUT IN THE WEATHERED KAIBAB ^{110' HOLE} LIMESTONE AND WILL BE LOCATED ON THE EAST SIDE OF THE LOCATION.

LINING: A 14 MIL PLASTIC LINER WILL BE REQUIRED

MUD PROGRAM: HOLE WILL BE DRILLED WITH AIR.

DRILLING WATER SUPPLY: WATER IS BEING PURCHASED FROM THE JEPSON RANCH AT JEPSON SPRINGS. 6 MILES WEST ON US HIGHWAY 85

OTHER OBSERVATIONS: THE RESERVE PIT WILL BE LOCATED ON THE EAST SIDE OF THE LOCATION AND THE LOCATION WILL NEED TO BE MOVED TO THE EAST 50 TO 100 FEET.

STIPULATIONS FOR APD APPROVAL THE LOCATION WILL BE MOVED TO THE EAST 50 TO 100 FEET IN ORDER TO KEEP THE LOCATION OUT OF THE DRAINAGE ON THE WEST SIDE. A BFM WILL BE BUILT ON THE SOUTHWEST SIDE TO DIVERT WATER AROUND THE LOCATION INTO THE DRAINAGE ON THE WEST. THE PIT WILL BE LOCATED ON THE EAST SIDE OF THE LOCATION, AND WILL BE SMOOTHED IN SUCH A WAY THAT A SYNTHETIC LINER OF 14 MILS CAN BE PLACED IN THE PIT AND NOT BE PUNCTURED. DURING RECLAMATION THE LINER WILL BE FOLDED OVER AND BURIED AT THE SITE.

ATTACHMENTS

PHOTOGRAPHS WILL BE PLACED OF FILE.

6	5	4	PA  3	PROPOSED LOCATION KAIBAB 1 2 43 025-50023	2	1
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	 35	36	

MAR 11 1994

5 Lease Designation and Serial Number ML-43584 (Utah)
6 If Indian Allottee or Tribe Name
7 Unit Agreement Name
8 Well Name and Number Kaibab 1-2
9 API Well Number
10 Field and Pool or Wildcat Wildcat
County Kane
State Utah

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals

1 Type of Well OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER Wildcat/Oil
2 Name of Operator Burnett Oil Co., Inc.
3 Address and Telephone Number 301 Cherry Street, Suite 1500, Fort Worth, TX 76102 817-332-5108
4 Location of Well Footages 715' FNL and 695' FWL 00 Sec T R M N4NW Section 2, T 42 S, R 2 W, SLM

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Clarification of APD submission
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut Off

Approximate date work will start May 1, 1994

SUBSEQUENT REPORT (Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form

* Must be accompanied by a cement verification report.

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- A typographical error indicated that the surface casing was to be 9.624". The correct casing diameter is 9.625".
- The hole will be continued below surface casing with an 8.75" bit which will allow for the setting of a 5.50" production casing string which will be cemented over any recognized productive zones which will then be selectively perforated.

[Handwritten signature]

13 Name & Signature David L. Allen Title Agent Date 3-11-94

(This space for State use only)

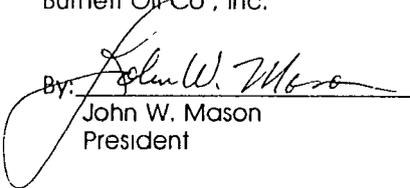
DESIGNATION OF AGENT

TO WHOM IT MAY CONCERN:

Please be advised that David Allin is hereby designated as Burnett Oil Co., Inc.'s agent with respect to preparations for oil and gas operations conducted in Kane County, Utah.

Burnett Oil-Co , Inc.

By:


John W. Mason
President



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carler
Division Director

305 West North Temple
3 Triad Center, Suite 350
Salt Lake City Utah 84180 1203
801-538 5340
801 359 3940 (Fax)
801 538 5319 (TDD)

March 16, 1994

Burnett Oil Company, Inc
801 Cherry Street, Suite 1500
Fort Worth, Texas 76102

Re. Kaibab 1-2 Well, 715' FNL, 695' FWL, NW NW, Sec 2, T. 42 S., R. 2 W., Kane County, Utah

Gentlemen.

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. A berm should be constructed on the southwest part of the well site to divert runoff around the location and into the drainage on the west.
2. The reserve pit should be constructed on the east side of the location.
3. A synthetic liner of 14 mil thickness should be installed in the reserve pit. During final reclamation of the site, the liner should be folded over and buried at the site.
4. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
5. Notification to the Division within 24 hours after drilling operations commence.
6. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
7. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2

Burnett Oil Company, Inc.

Kaibab 1-2 Well

March 16, 1994

8. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212
9. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-025-30023.

Sincerely,



R. J. Firth
Associate Director

ldc

Enclosures

cc: Kane County Assessor

Bureau of Land Management, Moab District Office

WO11



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Jevitt
Governor
Fred Stewart
Executive Director
James W. Carler
Division Director

355 West North Temple
3 Trade Center Suite 350
Salt Lake City Utah 84180 1203
801 538 5340
801 359 3940 (Fax)
801 538 5319 (TDD)

August 14, 1995

David L. Allin
Burnett Oil Company, Inc
801 Cherry Street, Suite 1500
Fort Worth, Texas 76102

Re Kaibab 1-2 Well, Sec 2, T. 42 S., R. 2 W., Kane County, Utah
API No 43-025-30023

Dear Mr. Allin

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

A handwritten signature in cursive script that reads "Don Staley".

Don Staley
Administrative Manager
Oil and Gas

ldc
cc: R J Firth
Well file
WOI219