

KABAB 1-36
43-025-30022

**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
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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.

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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.

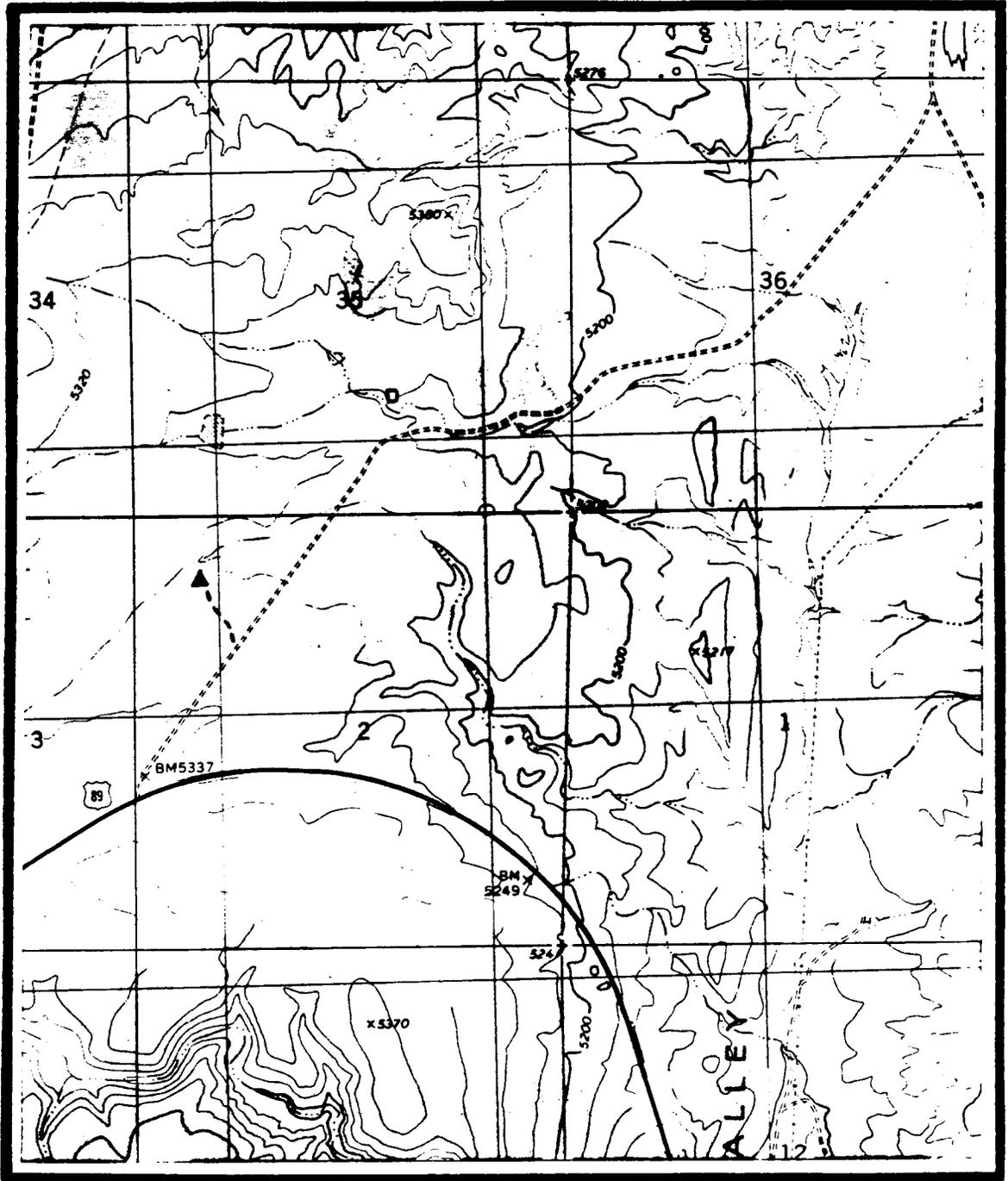
The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and their respective access routes requires 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 January 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).



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

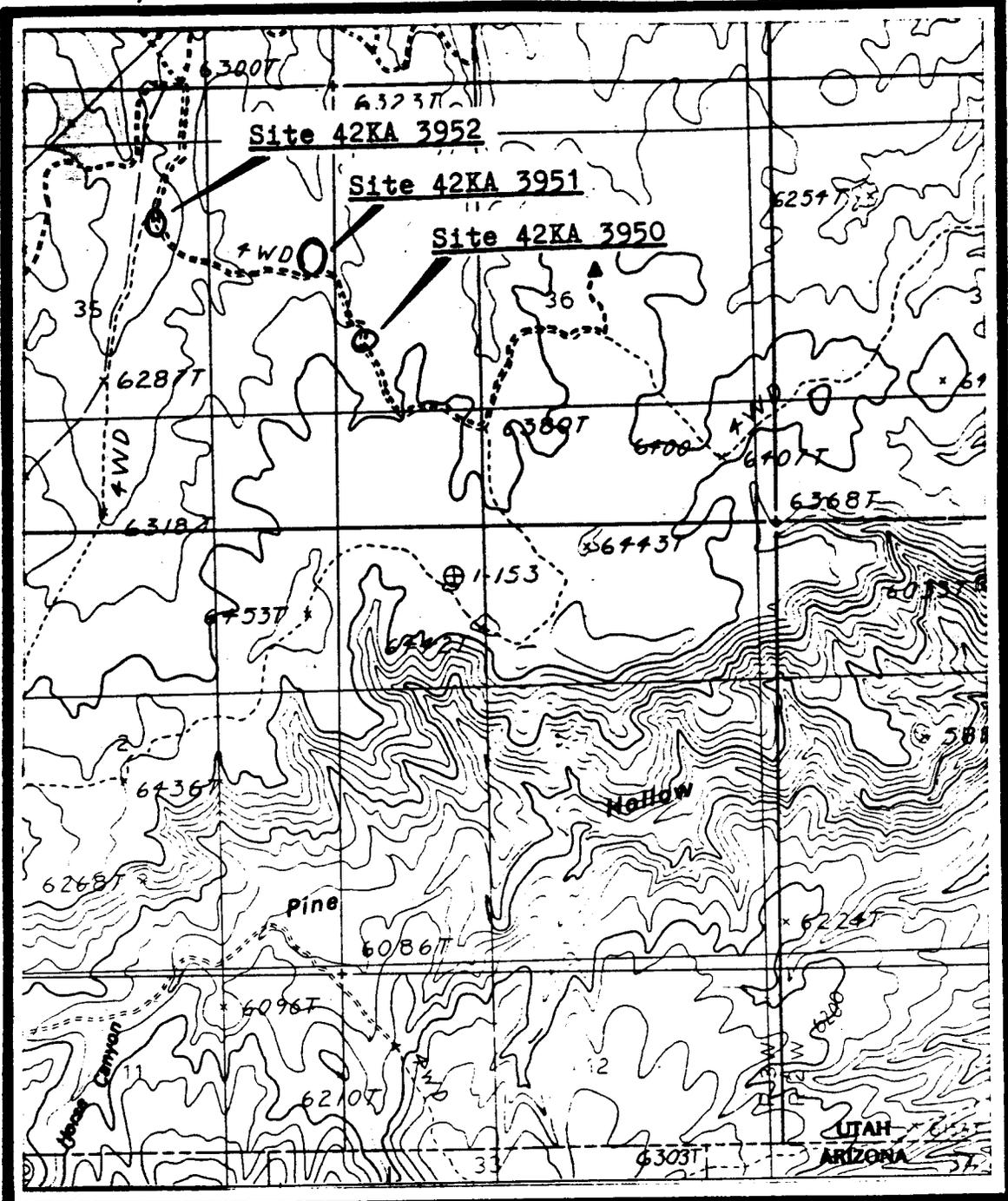
Legend:
 Well Location ▲
 Access Route - - -



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 from 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 and 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)

DIA

APPLICATION FOR TEMPORARY CHANGE OF WATER

RECEIVED

JUN 21 1993

WATER RIGHTS
CEDAR CITY

STATE OF UTAH

Rec. by KHC
Fee Paid \$ 7500
Receipt # _____
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in 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 of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t93-89-23

WATER RIGHT NUMBER: 89 - 153

This Change Application proposes to change the PLACE OF USE and NATURE OF USE.

1. OWNERSHIP INFORMATION.

- A. NAME: Calvin C. and Anna R. Johnson INTEREST: 100%
ADDRESS: Post Office Box 64, Kanab, UT 84741
- B. PRIORITY OF CHANGE: June 21, 1993 FILING DATE: June 21, 1993
- C. RIGHT EVIDENCED BY: 89-153, D2434

* DESCRIPTION OF CURRENT WATER RIGHT: *

2. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.021 cfs
- B. DIRECT SOURCE: Jepson Spring COUNTY: Kane
- C. POINT OF DIVERSION -- SURFACE:
(1) N 1950 feet W 2000 feet from SE corner, Section 3, T 43S, R 3W, SLBM
- D. POINT OF DIVERSION -- OTHER:
(1) Stockwatering directly on stream
from a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM,
to a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM.

3. WATER USE INFORMATION.

The Water Right represented by this change application is SUPPLEMENTAL to other Water Rights.

- STOCKWATERING: from Jan 1 to Dec 31. EQUIVALENT LIVESTOCK UNITS: 1,840.
- DOMESTIC: from Jan 1 to Dec 31. FAMILIES: 1.

4. PLACE OF USE.

* THE FOLLOWING CHANGES ARE PROPOSED: *

5. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.01 cfs REMAINING WATER: Same as HERETOFORE
- B. DIRECT SOURCE: Jepson Spring COUNTY: Kane
- C. POINT(S) OF DIVERSION -- SURFACE: Same as HERETOFORE.
- D. COMMON DESCRIPTION: Telegraph Flat Area

6. WATER USE INFORMATION. Changed as Follows:

INDUSTRIAL: from Jan 1 to Dec 31. Primarily for mixing cement for surface sealing casing at a test well.

7. PLACE OF USE. Changed as Follows:

(Which includes all or part of the following legal subdivisions:)

BASE TOWN	RANG	SEC	NORTH-EAST 1/4				NORTH-WEST 1/4				SOUTH-WEST 1/4				SOUTH-EAST 1/4			
			NE	NW	SW	SE												
SL	43S	3W	36		X		■				■				■			

8. EXPLANATORY.

It is intended to use the water under this temporary change application for the completion of a test well. Primarily for the mixing of cement for the required surface seal. This application will expire Dec. 31, 1993.

9. SIGNATURE OF APPLICANT(S).

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).

Calvin C. Johnson
Signature of Applicant(s)

Anna R. Johnson
Signature of Applicant(s)

STATE ENGINEER'S ENDORSEMENT

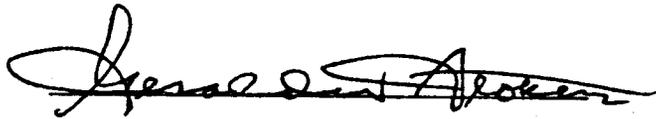
TEMPORARY CHANGE APPLICATION NUMBER: t93-89-23

1. June 21, 1993 Change Application received by KHC.
2. June 21, 1993 Application designated for APPROVAL by GWS.

3. Comments:

Conditions:

This application is hereby APPROVED, dated June 21, 1993, subject to prior rights and this application will expire on December 31, 1993.



Gerald W. Stoker, Regional Engineer
for
Robert L. Morgan, State Engineer

RECEIVED

JUN 22 1993

Lease Designation and Serial Number:

ML-44249 (Utah)

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. Type of Work:

DRILL DEEPEN

CONFIDENTIAL STATUS REQUESTED HEREWITH

DIVISION OF
OIL, GAS & MINING

6. If Indian, Allottee or Tribe Name:

B. Type of Well:

OIL GAS OTHER: Wildcat/Oil SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name:

8. Farm or Lease Name:

2. Name of Operator:

Burnett Oil Co., Inc.

9. Well Number:

Kaibab 1-36

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

10. Field and Pool, or Wildcat:

Wildcat

4. Location of Well (Footages)

At Surface: 1,868' FNL and 1,824' FEL

At Proposed Producing Zone: Well to be drilled vertically as allowed R649-3-2-1

11. Ctr/Ctr, Section, Township, Range, Meridian:

SWNE, Section 36,
T 43 S, R 3 W, S1M

14. Distance in miles and direction from nearest town or post office:

Twentyfive miles east of Kanab

12. County:

Kane

13. State:

UTAH

15. Distance to nearest property or lease line (feet):

1,824'

16. Number of acres:

640.00

TECHNICAL REVIEW

Engr.

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:

5,362'

Geol.

Surface

20. Rotary or cable tools:

Rotary

21. Elevations (show whether DF, RT, GR, etc.):

6,404.8' ungraded GR

22. Approximate date work will start:

August 15, 1993

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, 9.625"	32.30	700'	200 sx (to surface)
8.75"	J-55, 7.00"	23.00	2,900'	300 sx
(The above intermediate casing will be set only to protect oil resources if discovered in the Mississippian Mooney Falls Member of the Redwall Limestone.)				

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.

This proposed well will test the stratigraphic section from the Permian Kaibab Limestone through the uppermost 250' of the Proterozoic (Precambrian) Chuar Group. The test well will further appraise petroleum production potential of the Redwall Limestone (M), Elbert Formation (D), Muav Limestone (E), and Tapeats Sandstone (E). The test well is planned to be drilled with air as the circulating medium until subsurface water flows expected in the lwr Permian section near a depth of 2,100' require continued drilling with mist or aerated water to TD. The blowout preventer will be rated to a maximum working pressure of 3,000 psi which is considered to be sufficient due to the subnormal fluid pressures known in the section to be drilled. While the drilling contractor may substitute a blowout preventer of higher working pressure, the choke manifold used will be rated at 3,000 psi. Please refer to several attachments hereto including but not limited to the plat of the location, a copy of the Division of Water Rights approval for use of water at the site, an agent designation letter, and a multipage drilling program to comply with the requirements of R649-3-4-2-6.

24.

Name & Signature:

David L. Allin

David L. Allin

Title: Agent

Date:

June 9, 1993

(This space for State use only)

API Number Assigned:

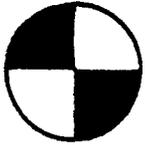
43-005-35020

Approval:

7/26/93
Matthews
649-3-2

POWERS ELEVATION CO., INC.
P.O. Box 440889
Aurora, CO 80044
(303) 321-2217

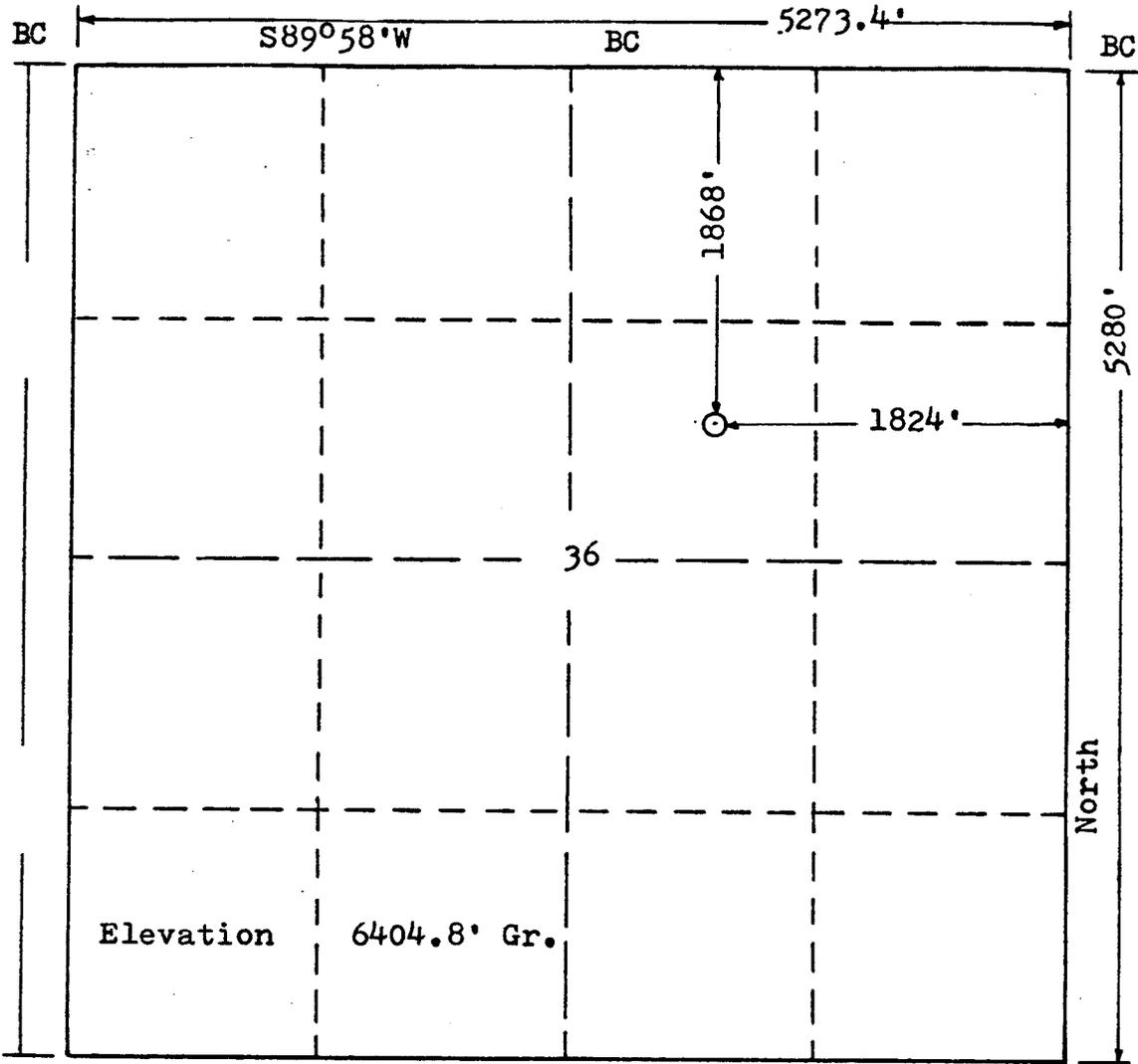
ALL POWERS ELEVATION CO., INC.
elevations originate from
accepted U.S. Benchmarks



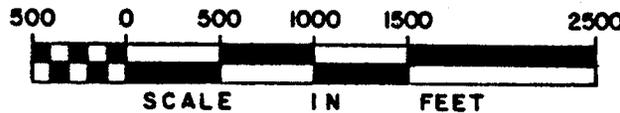
R. 3 W.



BASIS of BEARING: North Line sec 36 GLO



T.
43
S.



RECEIVED

JUN 22 1993

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 1-36 to be 1868' FN & 1824' FE Section 36, Township 43 S. Range 3 W. of 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 1-36

Date: 6-16-93

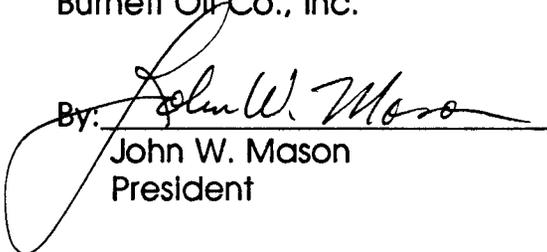
T. Nelson
Licensed Land Surveyor No. #2711
State of Utah

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

RECEIVED

JUN 22 1993

DIVISION OF
OIL, GAS & MINING

BURNETT OIL CO., INC. KAIBAB 1-36
 Drilling Program to Comply with R649-3-4-2-6
 Attachment to Form 3 Dated June 9, 1993

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

Permian Kaibab Limestone	Surface
Permian Toroweap Formation	324'
Permian Hermit Shale	690'
Permian Queantoweap Sandstone	1,435'
Pennsylvanian Callville Formation	2,153'
Mississippian Redwall Limestone	2,467'
Devonian Elbert Formation	3,200'
Cambrian Muav Limestone	3,380'
Cambrian Bright Angel Shale	4,500'
Cambrian Tapeats Sandstone	4,822'
Precambrian Chuar Group	5,112'
TD 250' into Chuar Group	5,362'

2. The first point at which water will be encountered will be near the Permian-Pennsylvanian unconformity at 2,153'. 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	2,600'-2,830'
Whitmore Wash Ls. Mbr. porosity (communicates with Elbert Fm.)	3,165'-3,200'
Devonian Elbert Formation including McCracken Ss. type lithology	3,200'-3,380'
Cambrian Muav Fm. dolomite stringers	3,322'-3,500'
Cambrian Tapeats Sandstone	4,822'-5,112'

The Mooney Falls Limestone Member porosity in the Redwall Limestone will present the most important candidate for protection due to its expected very low formation fluid pressures at this location. If oil is discovered in this zone a 7.00" intermediate casing string will be run and cemented in the 8.75" hole. If drilling cannot be continued with returns past this same zone the intermediate string will be run also. Deeper horizons that prove to be oil bearing will be protected by a 5.50" production string cemented in 8.75" hole or 4.50" production string in 6.125" hole if the intermediate casing is run.

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 psi 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 700 psi prior to drilling out

Kaibab 1-36 Drilling Program
Page Two

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 Win-Rock (Olsen) Drilling Company based in Denver, Colorado. The rig available for use is Olsen Rig Number 7. A schematic diagram of the layout of this rig as well as an equipment inventory list 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 bloop line and reserve pit will be located downwind of the wellhead to the east.

The drilling plan is to drill surface hole with a 12.25" bit dusting with air to 700' (10' into the Hermit Shale) then set 9.625", H-40, 32.30 ppf casing and cement same to the surface with 200 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 5,362' using air.

If the intermediate casing string is required to protect a possible pay zone or cure circulation loss into the Mooney Falls Member of the Redwall Formation it will be set at approximately 2,900'. This casing will be 7.00", J-55, 23.00 ppf cemented with 100 sacks of Pozmix and 200 sacks of Class H cement mixed with .25 pd/sack Flocel and 2 percent calcium chloride. The well would then be continued with a 6.125" bit to the projected TD.

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 2,153' 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. Schematic diagrams of the circulating system configured for air, foam, and aerated water are attached hereto.

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 with the exception of the formations underlying the Bright Angel Shale (expected at 4,500') 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.

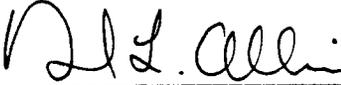
During 1956 and 1957, Tidewater Oil Company drilled a well 7 miles to the north-northwest of the Kaibab 1-36 site. The operator drill stem tested the upper 40' of the Tapeats Sandstone (beneath the Bright Angel Shale) between the depths of 4,830' and 4,870'. During the 3 hour open flow a weak blow was 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

Kaibab 1-36 Drilling Program
Page Three

the shutin pressure reached 220 psi after one hour. Although the shutin 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 Buckskin 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. One drill stem test is planned upon encountering the Mooney Falls porosity expected to be topped at 2,600'. No 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.

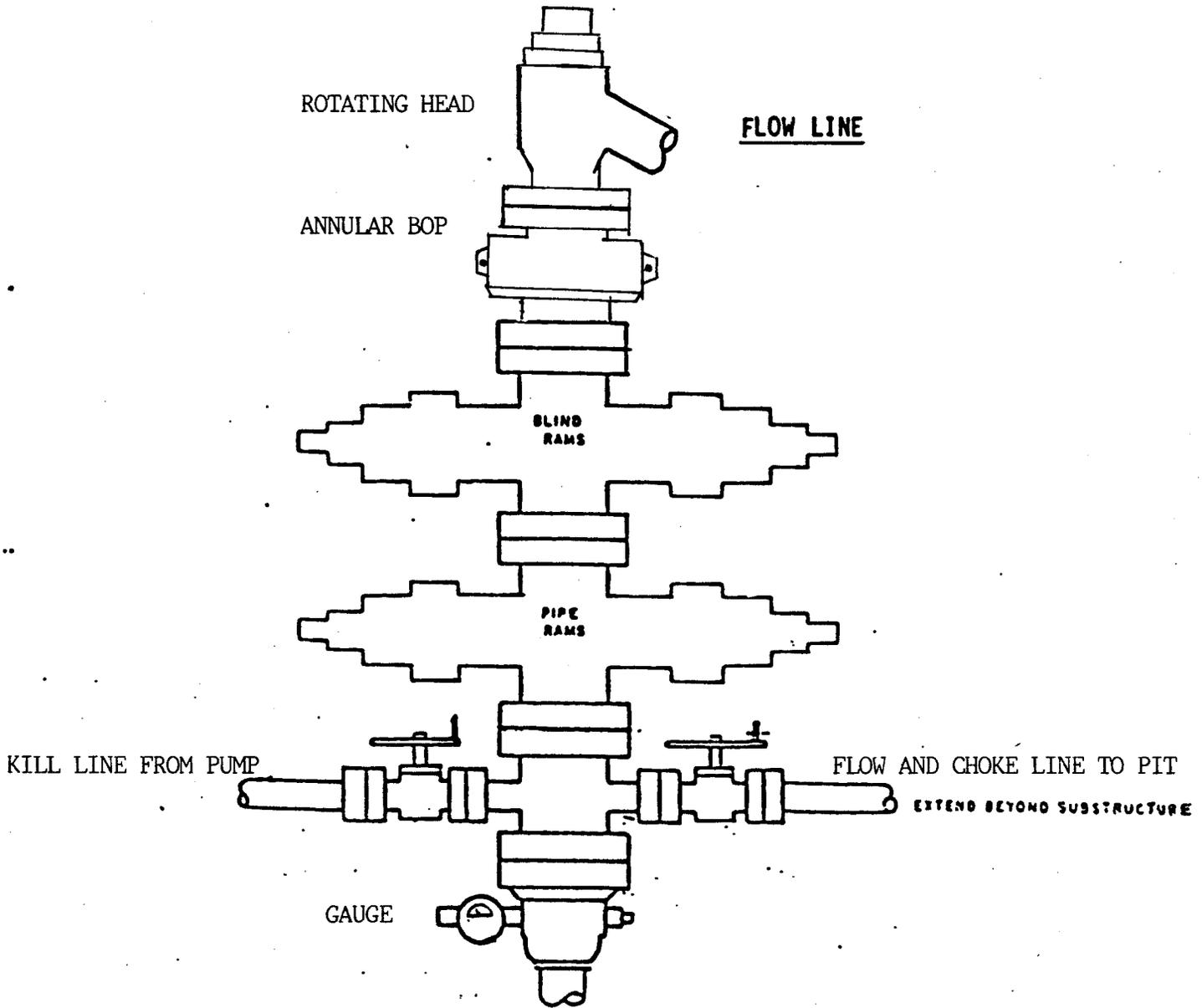
7. The expected bottom hole pressure is 1,500 psi. Other than below normal pressures, no abnormal pressures are anticipated. No abnormal temperatures are anticipated. No potential hazards such as hydrogen sulfide are expected to be encountered.



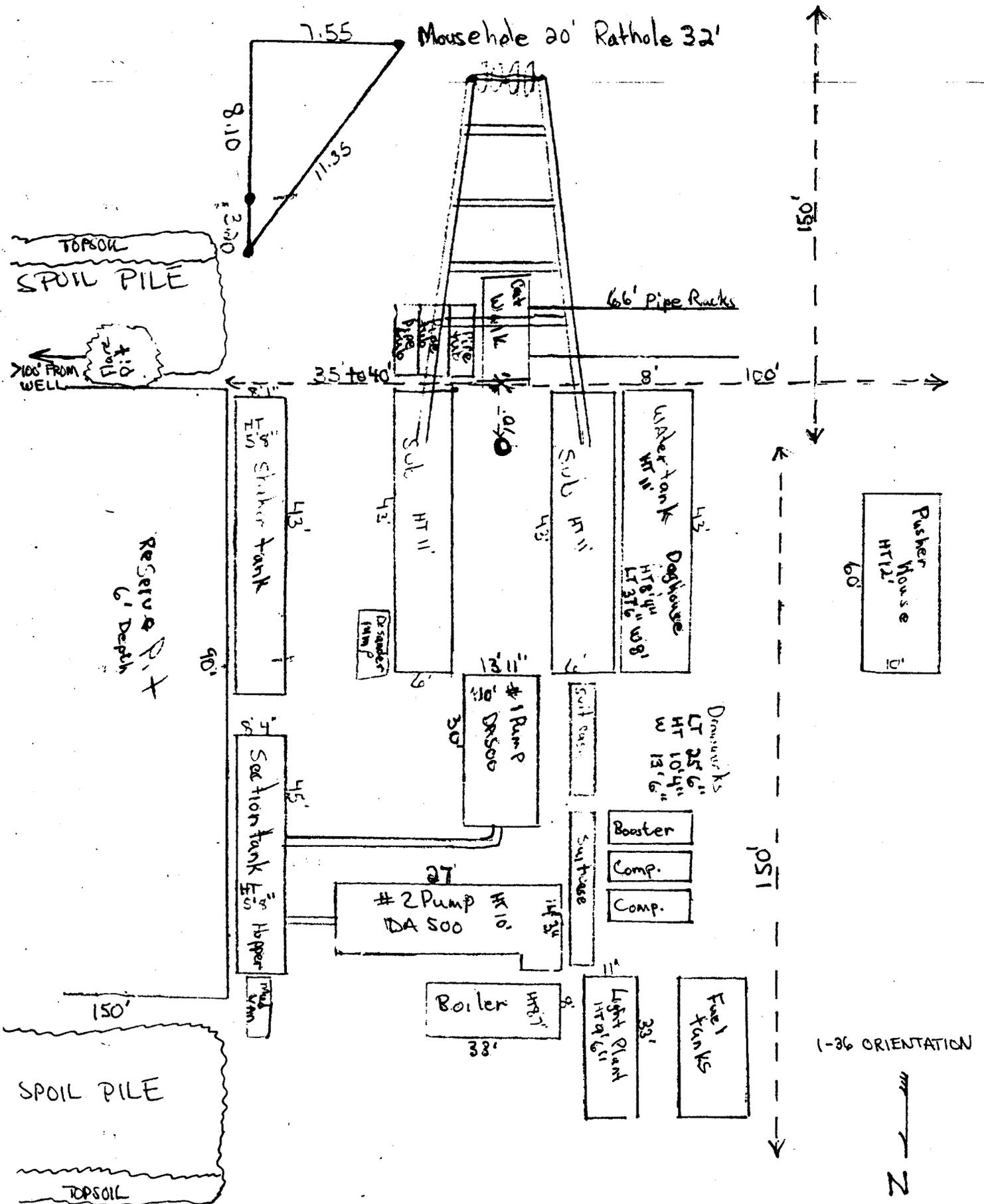
David L. Allin, Agent

BOPE DIAGRAM

3000 psi WORKING PRESSURE PREVENTER STACK
Minimum Specifications



RIG LAYOUT DIAGRAM, RIG 7



RIG NO. 7
INVENTORY

CAPACITY: 8,500' with 4" Full Hole Drill Pipe

DRAWWORKS: National T32 with 22" Double Hydromatic Brake

ENGINES: 2-CAT D343 Diesel Engines rated at 365 H.P.
each

PUMP #1: Emsco DA500 5 1/2" X 16", 500 input H.P. Duplex
Powered by 520 H.P. Caterpillar D-379

PUMP #2: Emsco DA500 5 1/2" X 16", 500 input H.P. powered
by two 8V92 Turbo Charged CMC Diesel Engines having
360 H.P. each

MAST: Lee C. Moore 127' rated at 360,000

SUBSTRUCTURE: Height 11' X 26' W X 43' L enclosed with steel

MUD TANKS: Two steel pits with total capacity of 500 barrels,
equipped with shale shaker, desander and low
pressure mud mixing system

BCP EQUIPMENT: 11" 5,000# PSI Shaffer LWP Double Gate
11" 5,000# PSI G K Hydrill
Hydrill 80 gallon closing unit with Duplex Charging
Pump, 20 H.P. Electric Motor
Choke Manifold rated at 3,000#

DRILL STRING: 7,500'

DRILL COLLARS: 21 - 6" to 6 3/8" OD X 2 1/4" ID with 4 1/2" H90
Connections

TANKS: 500 barrel steel water storage
10,000 gallon steel fuel tanks

GENERATOR: #1 - CAT 3306 with 155 KW SR CAT generator
#2 - GMC 671 with 150 KW KATO generator

MUD MIXING: 5 X 6 Mission Mud Mixing Pump, powered by 50 H.P.
Electric Motor

OTHER: Winterizing
Two Air Compressors
Vapor Proof Lights
Toolpusher's Skid Mounted Bunkhouse
Automatic Driller
Wire Line Machine
Boiler

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____
Fee Paid \$ _____
Receipt # _____
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in 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 of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: **593-89-23** WATER RIGHT NUMBER: -

This Change Application proposes to change the PLACE OF USE and NATURE OF USE.

1. OWNERSHIP INFORMATION.

A. NAME: Calvin C. and Anna R. Johnson INTEREST: 100%
ADDRESS: Post Office Box 64, Kanab, UT 84741

B. PRIORITY OF CHANGE: FILING DATE:

C. RIGHT EVIDENCED BY: 89-153, D2434

* DESCRIPTION OF CURRENT WATER RIGHT: *

2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 0.021 cfs

B. DIRECT SOURCE: Jepson Spring COUNTY: Kane

C. POINT OF DIVERSION -- SURFACE:
(1) N 1950 feet W 2000 feet from SE corner, Section 3, T 43S, R 3W, SLBM

D. POINT OF DIVERSION -- OTHER:
(1) Stockwatering directly on stream
from a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM,
to a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM.

3. WATER USE INFORMATION.

The Water Right represented by this change application is SUPPLEMENTAL to other Water Rights.

STOCKWATERING: from Jan 1 to Dec 31. EQUIVALENT LIVESTOCK UNITS: 1,840.

DOMESTIC: from Jan 1 to Dec 31. FAMILIES: 1.

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DIVISION OF
OIL, GAS & MINING

Temporary Change

4. PLACE OF USE.

* THE FOLLOWING CHANGES ARE PROPOSED: *

5. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.01 cfs REMAINING WATER: Same as HERETOFORE
- B. DIRECT SOURCE: Jepson Spring COUNTY: Kane
- C. POINT(S) OF DIVERSION -- SURFACE: Same as HERETOFORE.
- D. COMMON DESCRIPTION: Telegraph Flat Area

6. WATER USE INFORMATION. Changed as Follows:

INDUSTRIAL: from Jan 1 to Dec 31. Primarily for mixing cement for surface sealing casing at a test well.

7. PLACE OF USE. Changed as Follows:

(Which includes all or part of the following legal subdivisions:)

BASE TOWN	RANG	SEC	NORTH-EAST 1/4				NORTH-WEST 1/4				SOUTH-WEST 1/4				SOUTH-EAST 1/4			
			NE	NW	SW	SE												
SL	43S	3W	36		X		■ ■ ■				■ ■ ■				■ ■ ■			

8. EXPLANATORY.

It is intended to use the water under this temporary change application for the completion of a test well. Primarily for the mixing of cement for the required surface seal. This application will expire Dec. 31, 1993.

9. SIGNATURE OF APPLICANT(S).

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).

CCJ
Signature of Applicant(s)

ART
Signature of Applicant(s)
June 16, 1993

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JUN 22 1993

DIVISION OF
OIL GAS & MINING

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 06/22/93

OPERATOR: BURNETT OIL COMPANY INC
WELL NAME: KAIBAB 1-36

OPERATOR ACCT NO: N- 3070

API NO. ASSIGNED: 43-005-30000

LEASE TYPE: STA LEASE NO: ML-44049
LOCATION: SWNE 36 - T43S - R03W KANE COUNTY
FIELD: WILDCAT (001) FIELD CODE: 001

RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:
<input checked="" type="checkbox"/> Plat	<input type="checkbox"/> R649-2-3. Unit: _____
<input checked="" type="checkbox"/> Bond (Number <u>statewide</u>)	<input checked="" type="checkbox"/> R649-3-2. General.
<input checked="" type="checkbox"/> Potash (Y/N)	<input type="checkbox"/> R649-3-3. Exception.
<input checked="" type="checkbox"/> Oil shale (Y/N)	<input type="checkbox"/> Drilling Unit.
<input checked="" type="checkbox"/> Water permit (Number <u>19389-03</u>)	<input type="checkbox"/> Board Cause no: _____
<input checked="" type="checkbox"/> RDCC Review (Y/N)	<input type="checkbox"/> Date: _____
<input checked="" type="checkbox"/> (Date: <u>6-08-93</u>)	

COMMENTS: falls within general state spacing
No producing well within Sec 31e
Permit 6-08-93 / Geology review

STIPULATIONS: _____
cc: Kane assessor
State Lands

1. Pit will be located on the NE side of location
2. The reservoir pit will have the walls & bottom smoothed in such a way that a 14 mil liner can be placed in the pit without being punctured.
3. State Lands will not require a permit to cut trees and the trees & brush will not be placed in large piles.



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Third Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-358-3840 (Fax)
801-538-5319 (TDD)

July 26, 1993

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

Gentlemen:

Re: Kaibab #1-36 Well, 1868' FNL, 1824' FEL, SW NE, Sec. 36, T. 43 S., R. 3 W., Kane County, Utah

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. The reserve pit shall be located on the northeast portion of the location pad. The sides and bottom of the pit should be sufficiently smoothed and leveled during construction so that a synthetic liner of no less than 14 mils strength can be placed in the pit without being punctured.
2. The Division of State Lands and Forestry has indicated that a permit is not required to cut the trees necessary to clear the road and location, however, the trees and brush shall not be placed in large piles.
3. Following the drilling of the well, the site and road reclamation and restoration will be performed in accordance with the requirements of the Division of State Lands and Forestry.
4. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
5. Notification within 24 hours after commencing drilling operations.



Page 2
Burnett Oil Co., Inc.
Kaibab #1-36 Well
July 26, 1993

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.
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 R.J. Firth, Associate Director, (Home) (801)571-6068.
9. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

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 43-025-30022.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
Kane County Assessor
State Lands and Forestry
J.L. Thompson

WO11

Five County Association of Governments

906 North 1400 West
St. George, Utah 84770
FAX (801) 673-3540



Post Office Box 1550
St. George, Utah 84771
(801) 673-3548

SOUTHWEST UTAH

AREAWIDE CLEARINGHOUSE A-95 REVIEW

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

Receipt Date 7-6-93 SAI Number _____ ACH Number _____

Applicant Identification, Address Utah Division of Oil, Gas and 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 1-36 well (wildcat) on state lease M1-44249, 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) 7-6-93
Screening Committee review completed (date) _____
Executive Board Review Completed (date) 7-22-93
Referred to originator for additional information (date) _____

RECEIVED

- 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) _____

JUL 20 1993

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.

DIVISION OF
OIL, GAS & MINING

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 area-wide 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

07-22-93
Date
Copy of review sent to applicant.

BEAVER

GARFIELD

IRON

KANE

WASHINGTON

AREAWIDE CLEARINGHOUSE COMMENTS

Burnell Oil Co. Inc. has requested, through the permit process, to drill the Kaibab 1-36 well (wildcat) on state lease ML-44249, Kane County Utah. The site is approximately 25 miles east of Kanab. The well would be drilled vertically 5,362 feet. The State Division of Oil, Gas and Mining is reviewing the staked site on Wednesday July 7, 1993. No critical issues at this time are apparent. It is for this reason that the state will be making a review on July 7th to evaluate the potential for critical issues. The state review will summarily encompass the degree of impact, whether beneficial or detrimental, based on the discovery of oil or gas in commercial quantities. (Nick Duerksen)

DRILLING LOCATION ASSESSMENT

**State of Utah
Division of Oil, Gas and Mining**

OPERATOR: BURNETT OIL COMPANY WELL NAME: KAIBAB 1-36
SECTION: 36 TWP: 43S RNG: 3W LOC: 1868 FNL 1824 FEL
QTR/QTR SW NE 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 12:00 PM

PARTICIPANTS: MIKE HEBERTSON, DAVE ALLIN.

REGIONAL SETTING/TOPOGRAPHY: HIGH MESA OF KAIBAB LIMESTONE, HIGH DESERT AREA OF SOUTHERN UTAH, KAIBAB PLATEAU. LOCATED ON THE NORTH SIDE OF BUCKSKIN MTN.

LAND USE:

CURRENT SURFACE USE: WINTER RANGE FOR DEER AND WILDLIFE.

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

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE, THIS IS A WATER RECHARGE AREA DURING HIGH MOISTURE PERIODS.

FLORA/FAUNA: PINON, JUNIPER, GIANT SAGE, BITTER BRUSH, SCRUB OAK, GRASSES (SPARSE) CACTUS. DEER, SQUIRRELS LIZARDS, HAWKS, SMALLER BIRDS, COYOTE, INSECTS.

ENVIRONMENTAL PARAMETERS:

SURFACE GEOLOGY:

SOIL TYPE AND CHARACTERISTICS: LIGHT-MEDIUM RED SANDY CLAY, DEFLATION SURFACE SOIL, ROCKS OF LIGHT BUFF KAIBAB LIMESTONE, SOME NAVAJO SAND STONE AND BLOW SAND.

SURFACE FORMATION & CHARACTERISTICS: KAIBAB LIMESTONE, FRACTURED AND WIND BLOWN WITH SAND. LIMESTONE IS EXPOSED AT SURFACE WITH JOINTING VISIBLE.

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION, NO STABILITY PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE.

SUBSURFACE GEOLOGY:

OBJECTIVES/DEPTHS: THE OBJECTIVE FORMATION IS THE PRE CAMBRIAN CHUAR FORMATION AT 5,350 ±. ALSO POTENTIAL IS THE TAPEATS SS, MAUV LS, AND ELBERT SS.

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

CULTURAL RESOURCES/ARCHAEOLOGY: ALLOWANCES HAVE BEEN MADE IN THE ROAD LOCATION FOR SITES CONTAINING ARROWHEAD BLANKS.

CONSTRUCTION MATERIALS: LOCATION WILL BE CONSTRUCTED WITH MATERIALS AT THE SITE USING CUT & FILL AS AVAILABLE, OTHER MATERIAL WILL BE HAULED IN AS NECESSARY FOR THE PAD AND TO GRADE THE ROAD.

SITE RECLAMATION: AS REQUIRED BY STATE LANDS.

RESERVE PIT:

CHARACTERISTICS: 90 X 50' CUT IN THE KAIBAB LIMESTONE ON THE NORTHEAST SIDE OF THE LOCATION.

LINING: A LINER OF PLASTIC WILL BE REQUIRED AND THE PIT WILL BE PADDED OR SMOOTHED SO AS TO PREVENT THE LINER FROM BEING PUNCTURED.

MUD PROGRAM: HOLE WILL BE DRILLED WITH AIR.

DRILLING WATER SUPPLY: WATER IS BEING PURCHASED FROM THE JEPSON RANCH AT JEPSON SPRINGS.

OTHER OBSERVATIONS MATERIAL FOR THE LOCATION WILL BE PURCHASED FROM KANE COUNTY, PIT IS NEAR US HIGHWAY 85 8 MILES FROM LOCATION

STIPULATIONS FOR APD APPROVAL

PIT WILL BE LOCATED ON THE NE SIDE OF THE LOCATION. AFTER CONSTRUCTION THE PIT BOTTOM AND WALLS WILL BE SMOOTHED IN SUCH A WAY THAT A SYNTHETIC LINER OF NO LESS THAN 14 MILS CAN BE PLACED IN THE PIT AND NOT BE PUNCTURED. STATE LANDS WILL NOT REQUIRE A PERMIT FOR THE TREES THAT WILL BE CUT TO CLEAR THE ROAD AND THE LOCATION, HOWEVER TREES AND BRUSH WILL NOT BE PLACED IN LARGE PILES.

ATTACHMENTS

PHOTOGRAPHS WILL BE PLACED OF FILE.

STATE ACTIONS

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

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
August 15, 1993
-
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Five 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 1-36 well (wildcat) on state lease ML-44249, 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)
SW/4, NE/4, Section 36, Township 43 South, Range 3 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: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL:
Frank R. Matthews
PHONE: 538-5340
DATE: 6-28-93

Petroleum Engineer

RECEIVED

TEMPORARY

FILING FOR WATER RIGHTS STATE OF UTAH

Rec. by GWS

FEB 02 1994

Fee Rec. 75.00

Receipt # 94/118

DIVISION OF OIL, GAS & MINING

JAN 18 1994

RECEIVED

APPLICATION TO APPROPRIATE WATER RIGHTS

SALT LAKE

JAN 13 1994

For 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, Part 8 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 89 - 1507

*APPLICATION NO. 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 applicant? 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, SLM

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 five ac-ft.
The amount of water returned will be 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, SLM, Kane County
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 2, T42S, R2W, SLM, 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

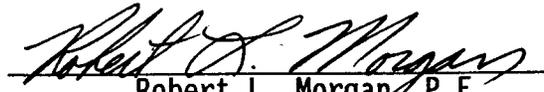
WATER RIGHT NUMBER: 89 - 1507

APPLICATION NO. T67416

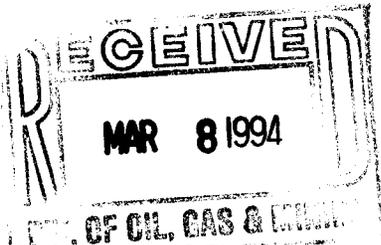
1. January 13, 1994 Application received by GWS.
 2. January 13, 1994 Application designated for APPROVAL by GWS and KLJ.
 3. Comments:
-
-

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

APPLICATION FOR TEMPORARY CHANGE OF WATER RECEIVED



STATE OF UTAH

FEB 14 1994 Fee Paid \$ 75.00
WATER RIGHTS Receipt # _____
CEDAR CITY Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in 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 of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t17815

WATER RIGHT NUMBER: 89 - 153

This Change Application proposes to change the PLACE OF USE and NATURE OF USE.

1. OWNERSHIP INFORMATION.

- A. NAME: Calvin C. and Anna R. Johnson INTEREST: 100%
ADDRESS: Post Office Box 64, Kanab, UT 84741
- B. PRIORITY OF CHANGE: FEBRUARY 14, 1994 FILING DATE: FEBRUARY 14, 1994
- C. RIGHT EVIDENCED BY: 89-153, D2434

* DESCRIPTION OF CURRENT WATER RIGHT: *

2. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.021 cfs
- B. DIRECT SOURCE: Jepson Spring COUNTY: Kane
- C. POINT OF DIVERSION -- SURFACE:
(1) N 1950 feet W 2000 feet from SE corner, Section 3, T 43S, R 3W, SLBM
- D. POINT OF DIVERSION -- OTHER:
(1) Stockwatering directly on stream
from a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM,
to a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM.

3. WATER USE INFORMATION.

The Water Right represented by this change application is SUPPLEMENTAL to other Water Rights.

STOCKWATERING: from Jan 1 to Dec 31. EQUIVALENT LIVESTOCK UNITS: 1,840.

DOMESTIC: from Jan 1 to Dec 31. FAMILIES: 1.

4. PLACE OF USE.

* THE FOLLOWING CHANGES ARE PROPOSED: *

5. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.01 cfs REMAINING WATER: Same as HERETOFORE
- B. DIRECT SOURCE: Jepson Spring COUNTY: Kane
- C. POINT(S) OF DIVERSION -- SURFACE: Same as HERETOFORE.
- D. COMMON DESCRIPTION: Telegraph Flat Area

6. WATER USE INFORMATION. Changed as Follows:

INDUSTRIAL: from 01/01/94 to 12/31/95. Primarily for mixing cement for surface sealing casing at a test well.

7. PLACE OF USE. Changed as Follows:

(Which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-EAST ¼				NORTH-WEST ¼				SOUTH-WEST ¼				SOUTH-EAST ¼			
	NE	NW	SW	SE												
SL 42S 2W 2				■		X			■				■			
SL 43S 3W 36			X		■				■				■			

8. EXPLANATORY.

It is intended to use the water under this temporary change application for the completion of a test well. Primarily for the mixing of cement for the required surface seal. This application will expire Sept. 30, 1994. This Temporary Change is being file to extend the intent of t93-89-23, under which, no water was used durring 1993.

9. SIGNATURE OF APPLICANT(S).

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).

William R. Johnson
Signature of Applicant(s)

Anna R. Johnson
Signature of Applicant(s)

STATE ENGINEER'S ENDORSEMENT

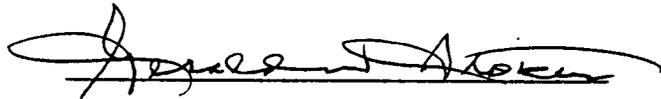
TEMPORARY CHANGE APPLICATION NUMBER: t17815

WATER RIGHT NUMBER: 89-153

1. February 14, 1994 Change Application received by KHC.
2. February 16, 1994 Application designated for APPROVAL by GWS.
3. Comments:

Conditions:

This application is hereby APPROVED, dated February 16, 1994, subject to prior rights and this application will expire on September 30, 1994.

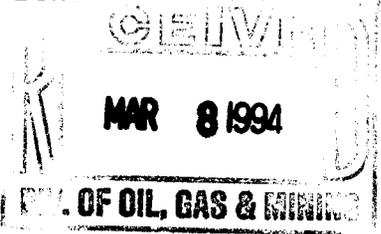


Gerald W. Stoker, Regional Engineer
for
Robert L. Morgan, State Engineer

KAIBAB 1-36 APD 7 163
43-025-30022

APPLICATION FOR TEMPORARY CHANGE OF WATER RECEIVED

Rec. by KHC



STATE OF UTAH

FEB 14 1994 Fee Paid \$ 75.00

WATER RIGHTS Receipt # _____
CEDAR CITY Microfilmed _____

Roll # _____

For the purpose of obtaining permission to make a temporary change of water in 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 of Section 73-3-3 Utah Code Annotated 1953, as amended.

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WATER RIGHT NUMBER: 89 - 153

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A. NAME: Calvin C. and Anna R. Johnson
ADDRESS: Post Office Box 64, Kanab, UT 84741

INTEREST: 100%

B. PRIORITY OF CHANGE: FEBRUARY 14, 1994

FILING DATE: FEBRUARY 14, 1994

C. RIGHT EVIDENCED BY: 89-153, D2434

* DESCRIPTION OF CURRENT WATER RIGHT *

2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 0.021 cfs

B. DIRECT SOURCE: Jepson Spring

COUNTY: Kane

C. POINT OF DIVERSION -- SURFACE:
(1) N 1950 feet W 2000 feet from SE corner, Section 3, T 43S, R 3W, SLBM

D. POINT OF DIVERSION -- OTHER:
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from a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM,
to a point in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec 29, T40S, R2W, SLBM.

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4. PLACE OF USE.

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5. SOURCE INFORMATION.

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(Which includes all or part of the following legal subdivisions:)

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			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
SL	42S	2W	2				■ ■ ■		X				■ ■ ■				■ ■ ■			
SL	43S	3W	36			X	■ ■ ■					■ ■ ■					■ ■ ■			

8. EXPLANATORY.

It is intended to use the water under this temporary change application for the completion of a test well. Primarily for the mixing of cement for the required surface seal. This application will expire Sept. 30, 1994. This Temporary Change is being file to extend the intent of t93-89-23, under which, no water was used durring 1993.

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Barbara R. Johnson
 Signature of Applicant(s)

Barbara R. Johnson
 Signature of Applicant(s)

STATE ENGINEER'S ENDORSEMENT

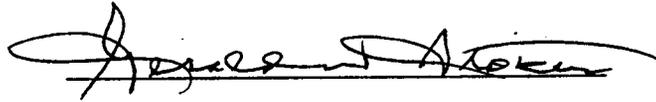
TEMPORARY CHANGE APPLICATION NUMBER: t17815

WATER RIGHT NUMBER: 89-153

1. February 14, 1994 Change Application received by KHC.
2. February 16, 1994 Application designated for APPROVAL by GWS.
3. Comments:

Conditions:

This application is hereby APPROVED, dated February 16, 1994, subject to prior rights and this application will expire on September 30, 1994.



Gerald W. Stoker, Regional Engineer
for
Robert L. Morgan, State Engineer

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BURNETT OIL CO. INC.

WELL NAME: KAIBIB 1-36

API NO. 43-025-30022

Section 36 Township 43S Range 3W County KANE

Drilling Contractor _____

Rig # _____

SPUDDED: Date 3/18/94

Time _____

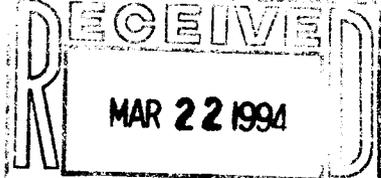
How DRY HOLE

Drilling will commence 3/27/94

Reported by GOGHNAUER

Telephone # 1-644-2611

Date 3/23/94 SIGNED MKH



OPERATOR Burnett Oil Co., Inc.
 ADDRESS 801 Cherry Street, Suite 1500
 Fort Worth, TX 76102

OPERATOR ACCT. NO. N3070

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11620	43-025-30022	Kaibab 1-36	SWNE	36	43 S	3 W	Kane	3-18-94	
WELL 1 COMMENTS: Anchor setting and spudding unit used to set 38' of 13.375" conductor pipe from ungraded ground level elevation of 6,404.8'. Waiting for roads to dry to move in drill rig.											
WELL 2 COMMENTS: <i>Entity added 3-23-94. J llc</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See Instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE Use COMMENT section to explain why each Action Code was selected.

[Signature]
 Signature
 Agent _____ 3-22-94
 Title _____ Date
 Phone No. (817) 332-5108

(3/89)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

COMPANY NAME: BURNETTE OIL COMPANY API NO: 43-025-30022

WELL NAME: KAIBAB 1-36

QTR/QTR SW NE SECTION 36 TOWNSHIP 43 S RANGE 3 W

CEMENTING COMPANY: WESTERN WELL SIGN: NO

INSPECTOR: HEBERTSON DATE: 3/29/94

CEMENTING OPERATIONS: PLUGBACK: SQUEEZE: P&A ZONE:

SURFACE CASING: Y INTERMEDIATE: PROD CASING:

PERFORATIONS: SQUEEZE PRESSURE:

CASING INFORMATION:

SIZE: 9 5/8 GRADE: 40 K-55 HOLE SIZE: 12 1/4 DEPTH: 900

SLURRY INFORMATION:

1. CLASS: G 2% CaCl 1/4 LB/GAL CELOFLKS
LEAD : 440 SX TAIL:

2. SLURRY WEIGHT LBS. PER GALLON:
LEAD: 15.5-16 TAIL: 15.8

3. WATER (GAL/SX)
LEAD: 5.2 TAIL: 5.2

4. COMPRESSIVE STRENGTH:
PSI @ HRS. HRS

PIPE CENTRALIZED: Y CEMENTING STAGES: 1

LOST RETURNS: Y REGAIN RETURNS: N BARRELS LOST: UNKN

TOP OF CEMENT: UNKNOWN PERFORATED INTERVAL:

PRIMARY CEMENT TO SURFACE: NO

1 INCH INFORMATION: WEIGHT: 16 CEMENT TO SURFACE: Y

FEET: 90 SX: 40 CLASS: G %SALTS: 2 RETURNS: Y

ADDITIONAL COMMENTS: CEMENT DID NOT CIRCULATE AT ALL. SET SURFACE

 CEMENT ON A CEMENT BASKET @ ABOUT 90' LEFT 2 INCHES OF CEMENT

 IN THE CELLAR HELD OK.

STATE OF UTAH
DEPARTMENT OF MINERAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number ML-44249 (Utah)
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement

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 for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) <u>TITLE HOLE - CONFIDENTIAL STATUS REQUEST</u> <u>Drilling Wildcat/Oil</u>		9. Well Name and Number Kaibab 1-36
2. Name of Operator Burnett Oil Co., Inc.		10. API Well Number 43-025-30022
Address of Operator 801 Cherry St., Suite 1500		4. Telephone Number 817/332-5108
Location of Well Footage : 1,868' FNL & 1,824' FEL CQ. Sec. T., R., M. : SW/NE, Sec. 36, T43S, R3W, SLM		11. Field and Pool, or Wildcat Wildcat
		County : Kane State : UTAH

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 _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

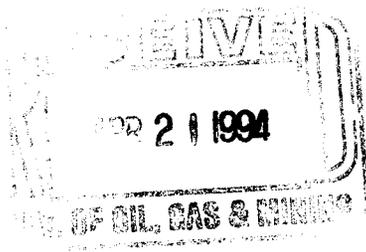
- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Monthly drilling operations
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

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.

13. 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.)

3/18/94 Set 38' 13.375' conductor pipe.
 3/27/94 Spud @ 8:00 a.m.
 3/27-30/94 Drilled 12 1/4" hole to 940'. Ran 22 jts. 9 5/8" 36# K-55 R-3 ST&C csg. Shoe @ 931', fillup collar @ 889'. Cemented w/ 440 sx B-neat cmt. w/ 2% CaCl + 1/4#/sk celloseal. WOC 18 hrs. NU & test BOPE.
 3/30-31/94 Drilled 8 3/4" hole to 1133'.

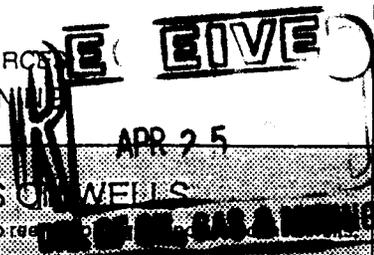


14. I hereby certify that the foregoing is true and correct

Name & Signature Leslie Hathorn Leslie Hathorn Title Engr. Secretary Date 4/19/94

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINES



6. Lease Designation and Serial Number

ML-44249 (Utah)

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to recomplete wells.

Use APPLICATION FOR PERMIT for such proposals.

8. Unit or Communitization Agreement

Type of Well
 Oil Well
 Gas Well
 TIE HOLE
 Other (specify) Drilling Wildcat/Oil

Name of Operator
Burnett Oil Co., Inc.

Address of Operator
801 Cherry St., Suite 1500
Ft. Worth, TX 76102

Footage : 1,868' FNL & 1,824' FEL
CQ. Sec. T., R., M. : SW/NE Sec. 36, T43S, R3W, SLM
County : Kane
State : UTAH

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 _____

New Construction
 Pull or Alter Casing
 Recompletion
 Shoot or Acidize
 Vent or Flare
 Water Shut-Off

Approximate Date Work Will Start 4/17/94

SUBSEQUENT REPORT
(Submit Original Form Only)

Abandonment *
 Casing Repair
 Change of Plans
 Conversion to Injection
 Fracture Treat
 Other _____

New Construction
 Pull or Alter Casing
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 Vent or Flare
 Water Shut-Off

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 4/16/94 Drilled 8 3/4" hole to TD of 5356'.
 4/17/94 Logged. Notified & recieved verbal permission from Mike Hebertson (DOG M) to P&A. Witnessed by Mike Hebertson.
 4/18-19/94 Set Plug #1 w/ 40 sx cement w/ 2% CaCl from 4715'-4615'.
 Set Plug #2 w/ 50 sx cement w/ 2% CaCl from 3125'-3100'.
 Set 9 5/8" BP @ 915'. Pumped 30 sx cement on top of BP.
 Set 10 sx cement to surface. Plug in place @ 4:15 a.m. 4/19/94.

Formation Tops:	Surface	Kaibab LS	1862	Pakoon Fm	4674	Tapeats SS
	228	Whiterim SS	2058	Calville FM	4780	Precambrian
	358	Toroweap SS	2328	Redwall LS		
	630	Coconino SS	2510	Mooney Falls Mbr		
	699	Hermit Shale	3278	Mauv LS		
	1358	Cedarmesa SS	4330	Bright Angle Shale		

14. I hereby certify that the foregoing is true and correct
Name & Signature Leslie Hathorn Title Engineering Secr. Date 4/20/94

(State Use Only)

STATE OF UTAH
DEPARTMENT OF MINERAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

ML-44249 (Utah)

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

8. Unit or Communitization Agreement

1. Type of Well

Oil Well Gas Well

TITLE HOLE CONFIDENTIAL STATUS REQUEST
Other (specify) Drilling Wildcat/Oil

9. Well Name and Number

Kaibab 1-36

2. Name of Operator

Burnett Oil Co., Inc.

10. API Well Number

45-025-30022

3. Address of Operator

801 Cherry St., Suite 1500
Ft. Worth, TX 76102

4. Telephone Number

817/332-5108

11. Field and Pool, or Wildcat

Wildcat

Location of Well

Footage : 1,868' FNL & 1,824' FEL
Q.Q. Sec. T., R., M. : SW/NE Sec. 36, T43S, R3W, SLM

County : Kane

State : UTAH

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(Submit in Duplicate)

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(Submit Original Form Only)

- Abandonment New Construction
 Casing Repair Pull or Alter Casing
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 Conversion to Injection Shoot or Acidize
 Fracture Treat Vent or Flare
 Multiple Completion Water Shut-Off
 Other _____

- Abandonment * New Construction
 Casing Repair Pull or Alter Casing
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 Other _____

Approximate Date Work Will Start 4/17/94

Date of Work Completion _____

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	699	Hermit Shale	3278	Mauv LS		
	1358	Cedarmesa SS	4330	Bright Angle Shale		

14. I hereby certify that the foregoing is true and correct

Name & Signature Leslie Hathorn Leslie Hathorn

Title Engineering Secr. Date 4/20/94

(State Use Only)

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Kaibab 1-36 TITE HOLE - CONFIDENTIAL STATUS REQUESTED
 API number: 43-025-30022

2. Well location: QQ SWNE section 36 township 43S range 3W county Kane

3. Well operator: Burnett Oil Co., Inc.
 Address: 801 Cherry St., Suite 1500 phone: 817/332-5108
Ft. Worth, TX 76102

4. Drilling contractor: Four Corners Drilling Company
 Address: P.O. Box 1067 phone: 505/326-3370
Farmington, NM 87499

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
342		Perched water	fresh
3120		Top water table	fresh
		No flowing water encountered at any time while drilling.	

6. Formation tops: Surf. Kaibab LS 228 Whiterim SS 358 Toroweap SS
630 Coconio SS 699 Hermit Shale 1358 Cedarmesa SS
1862 Pakoon Fm 2058 Calville Fm 2328 Redwall LS
2510 Mooney Falls 3278 Mauv LS 4330 Bright Angle Sh
4674 Tapeats SS 4780 Precambrian

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Brian S. Brister Signature *Brian S. Brister*
 Title Geologist Date 4/21/94

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FILE
MAY 5 1994
DIVISION OF

6. Lease Designation and Serial Number ML-44249 (Utah)
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement

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 for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) <u>TYPE HOLE - CONFIDENTIAL STATUS REQUEST</u> Drilling Wildcat/Oil	9. Well Name and Number Kaibab 1-36
2. Name of Operator Burnett Oil Co., Inc.	10. API Well Number 45-025-30022
3. Address of Operator 801 Cherry St., Suite 1500 Ft. Worth, TX 76102	4. Telephone Number 817/332-5108
5. Location of Well Footage : 1868' FNL & 1824' FEL CO. Sec. T., R., M. : SWNE Sec. 36, T43S, R3W, SLM	11. Field and Pool, or Wildcat Wildcat County : Kane State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

SUBSEQUENT REPORT
(Submit Original Form Only)

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

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

Approximate Date Work Will Start _____

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.

13. 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.)

4/1/94-4/19/94
 Drilled 8 3/4" hole w/ air to 3208', had water entry, drilled w/ intermittent returns to 3388' & blind to 3402'. Set water shut off plug at 3402' w/ 120 sx cement, cemented DP in hole. Backed off at 2928'. Ran logs, Schlumberger tagged fish @ 2930', found top of surface pipe cement at 228'. Set kick off plug #1 w/ 110 sx of 16.1#/gal cement at 2830', tagged plug at 2907'. Set plugs #2 & #3 at 2806' & 2620' each w/ 60 sx of cement. Tagged plug #2 at 2729' & #3 at 2531'. Dressed off cement to 2541' & sidetracked hole with down hole motor. Mist drilled 8 3/4" hole to 5365' TD. Ran Schlumberger Dual Induction-SFL & Compensated Neutron-Lithodensity logs. Well P&A'd 4/19/94. See Abandonment Report.

Surveys: 152'-1⁰, 419'-1/2⁰, 911'-1⁰, 1115'-1 1/4⁰, 1396'-2⁰, 1521'-2⁰, 1751'-2⁰,
 2091'-3⁰, 2393'-2 1/2⁰, 2579'-3⁰, 2994'-3 1/2⁰.
 Side Track Hole Surveys: 2500'-3⁰S13E, 2561'-2 1/2⁰S41E, 2591' misrun, 2622'-2 3/4⁰,
 2738'-2 3/4⁰, 3082'-3⁰, 3492'-2 3/4⁰, 4005'-2⁰, 5318'-10 1/4⁰.

14. I hereby certify that the foregoing is true and correct

Name & Signature Leshie Hathorn L. Hathorn Title Engineering Sec. Date 4/22/94

(State Use Only)

6666

MAY 16 1994

May 13, 1994

CONFIDENTIAL

State of Utah
Division of Oil, Gas & Mining
355 West North Temple, #350
Salt Lake City, Utah 84180-1203

Re: ML-44249
Kaibab #1-36
45-025-30022
SWNE Sec. 36, T43S, R3W, S1M
Kane County, Utah

Gentlemen:

Enclosed is our well completion report and logs along with our subsequent report of P&A for the subject well. This is a "tite hole" and we hereby request that you hold all information, including logs, strictly confidential and not release any information for a period of 1 year or before May 15, 1995.

Should you need further information or have any questions please advise.

Yours truly,



Leslie Hathorn

/lh

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

6. Lease Designation and Serial Number
ML-44249 (Utah)

7. Indian Allottee or Tribe Name
MAY 16 1994

8. Unit or Communitization Agreement
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reclassify an oil or gas well.
Use APPLICATION FOR PERMIT TO DRILL FOR OIL

1. Type of Well
 Oil Well
 Gas Well
 TITE HOLE - CONFIDENTIAL STATUS REQUEST
 Other (specify) Drilling Wildcat/Oil

2. Name of Operator
Burnett Oil Co., Inc.

3. Address of Operator
801 Cherry St., Suite 1500
Ft. Worth, TX 76102

4. Telephone Number
817/332-5108

Well Name and Number
Kaibab 1-36

10. API Well Number
43-025-30022

11. Field and Pool, or Wildcat
Wildcat

5. Location of Well
 Footage : 1868' FNL & 1824' FEL
 CO. Sec. T., R., M. : SWNE Sec. 36, T43S, R3W, SLM
 County : Kane
 State : UTAH

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment	<input checked="" type="checkbox"/> Abandonment *
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Fracture Treat
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Other _____
<input type="checkbox"/> Other _____	
Approximate Date Work Will Start _____	Date of Work Completion <u>4/19/94</u>
	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.

13. 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.)

4/18-19/94

TD 5365'. Set plugs as follows:

Plug #1	4715'-4611'	40 sx B +2% CaCl	8 3/4" open hole
Plug #2	3125'-2985'	50 sx B +2% CaCl	8 3/4" open hole
Set	9 5/8" BP @ 915'		
Plug #3	916'-839'	30 sx B +2% CaCl	9 5/8" surface casing
Plug #4	60'-surf.	10 sx B +2% CaCl	13.375" conductor pipe

5/2/94 Cut off casing collar 3' below surface, welded on 9 5/8" plate, installed abandonment marker.

The Western Company Cement Job Detail Sheet attached.

14. I hereby certify that the foregoing is true and correct

Name & Signature Leslie Hathorn Title Engineering Secretary Date 5/3/94

(State Use Only)

CONFIDENTIAL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other TITE HOLE

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESTR. Other P&A

2. NAME OF OPERATOR
Burnett Oil Co., Inc.

3. ADDRESS OF OPERATOR
801 Cherry St., Suite 1500, Ft. Worth, TX 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1868' FNL & 1824' FEL
At top prod. interval reported below
At total depth

3. LEASE DESIGNATION AND SERIAL NO.
ML-44249 (Utah)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

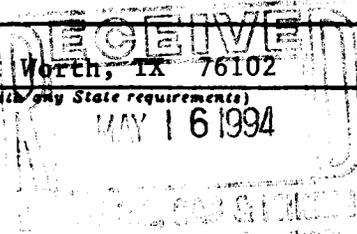
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Kaibab

9. WELL NO.
1-36

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 36, T43S, R3W, SLM



14. API NO. 45-025-30022 DATE ISSUED 7/26/94 12. COUNTY Kane 13. STATE UTAH

15. DATE SPUDDED 3/18/94 16. DATE T.D. REACHED 4/16/94 17. DATE COMPL. (Ready to prod.) 4/19/94 (Plug & Abd.) 18. ELEVATIONS (DF, BEB, XT, GR, ETC.) 6417 KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5365' 21. PLUG BACK T.D., MD & TVD Surf. 22. IF MULTIPLE COMPL., HOW MANY 23. INTERVALS DRILLED BY All ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Phasor(Dual) Induction, Neutron Density GR 27. WAS WELL CORED YES NO (Submit analysis) DRILL STEM TEST YES NO (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13.375"		38'			
9 5/8"	36#	932'	12 1/4"	440 sx B+2%CaCl+1/4#/sk	celloseal

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or Shut-in)

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS
DOGM Form 7; Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED L. Hathorn L. Hathorn TITLE Engineering Secretary DATE 5/3/94

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:		38. GEOLOGIC MARKERS			
Formation	Top	Description, contents, etc.	Name	Meas. Depth	True Vert. Depth
	Bottom			Surf.	True Vert. Depth
			Kaibab Ls	228	
			Whiterim SS	358	
			Toroweap SS	630	
			Coconino SS	699	
			Hermit Sh	1358	
			Cedarmesa SS	1862	
			Pakoon Fm	2058	
			Callville Fm	2328	
			Redwall Ls	2510	
			Mooney Falls	3278	
			Mauv Ls	4330	
			Bright Angel	4674	
			Tapeats SS	4780	
			Precambrian		



THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

CUSTOMER <i>McC Gochnauer</i>		DATE <i>4.14.94</i>	F.R.# <i>272743</i>	SER. SUP. <i>Patricia Larrigas</i>	TYPE JOB <i>P/A</i>							
LEASE & WELL NAME-OCSSG <i>Kalbar #136</i>			LOCATION <i>Sec 26 T43S R34W</i>	COUNTY-PARISH-BLOCK <i>Kane Utah</i>								
DISTRICT <i>Fremont</i>		DRILLING CONTRACTOR RIG # <i>Four Corners 6</i>		OPERATOR <i>Burnett Oil</i>								
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE	SO MANI FOLD Y <input checked="" type="checkbox"/> N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	TOP BTM					SLURRY WGT PPG SLURRY YLD FT ³ WATER GPS PUMP TIME HR:MIN Bbl SLURRY Bbl MIX WATER						
<i>1st Plug</i>	<i>40 sx</i>	<i>B + 2 1/2 CaCl₂</i>				<i>15.6 1.18 5.2 1 1/2 8.0 5.0</i>						
<i>2nd Plug</i>	<i>50 sx</i>	<i>B + 2 1/2 CaCl₂</i>				<i>15.6 1.18 5.2 1 1/2 10 6.0</i>						
<i>3rd</i>	<i>30 sx</i>	<i>B + 2 1/2 CaCl₂</i>				<i>15.6 1.18 5.2 1 1/2 6.0 4.0</i>						
<i>4th</i>	<i>10 sx</i>	<i>B + 2 1/2 CaCl₂</i>				<i>15.6 1.18 5.2 1 1/2 2.0 1.0</i>						
Available Mix Water <i>31</i> Bbl.		Available Displ. Fluid <i>200</i> Bbl.		TOTAL		<i>26 16.0</i>						
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE			
<i>8 3/4</i>		<i>4715</i>	<i>4 1/2</i>	<i>16.6</i>	<i>Varies</i>							
LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
								<i>4 1/2</i>	<i>x-hole</i>	<i>Air</i>		
CAL. DISPL. VOL.-Bbl.		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER SOURCE	
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.
						<i>1000</i>					<i>H₂O</i>	<i>8.33</i>
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING.												

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR: MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	PSI
<i>Am</i>						<input type="checkbox"/> WPS <input type="checkbox"/>	
<i>10:48</i>					<i>ST H₂O Ahead</i>		
<i>10:52</i>	<i>100</i>		<i>5</i>	<i>20</i>	<i>H₂O</i>	<i>ST Cmt</i>	
<i>10:54</i>	<i>100</i>		<i>5</i>	<i>8</i>	<i>Cmt</i>	<i>ST displacement</i>	
<i>10:58</i>	<i>100</i>		<i>5</i>	<i>15</i>	<i>H₂O</i>	<i>SHut down 4715' TO 4611'</i>	
<i>12:20</i>					<i>ST H₂O Ahead</i>		
<i>12:24</i>	<i>100</i>		<i>6</i>	<i>20</i>	<i>H₂O</i>	<i>ST Cmt</i>	
<i>12:27</i>	<i>100</i>		<i>4</i>	<i>10</i>	<i>Cmt</i>	<i>ST displacement</i>	
<i>12:31</i>	<i>100</i>		<i>5</i>	<i>15</i>	<i>H₂O</i>	<i>SHut down 3195' TO 2995'</i>	
<i>3:05</i>					<i>ST H₂O Ahead</i>		
<i>3:07</i>	<i>100</i>		<i>3</i>	<i>5</i>	<i>H₂O</i>	<i>ST Cmt</i>	
<i>3:11</i>	<i>100</i>		<i>3</i>	<i>6</i>	<i>Cmt</i>	<i>ST displacement</i>	
<i>3:15</i>	<i>100</i>		<i>5</i>	<i>9.5</i>	<i>H₂O</i>	<i>SHut down 916' TO 839'</i>	
<i>4:08</i>					<i>ST Cmt</i>		
<i>4:12</i>	<i>0</i>		<i>2</i>	<i>2.0</i>	<i>Cmt</i>	<i>S. Down 100' TO surface</i>	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. <i>Patricia Larrigas</i>
Y N		Y N	<i>110.5</i>	<i>7</i>			CUSTOMER REP <i>[Signature]</i>