

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5 MINERAL LEASE NO UTU-77314	6 SURFACE FOREST
1A TYPE OF WORK DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7 IF INDIAN, ALLOTTEE OR TRIBE NAME	
B TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8 UNIT or CA AGREEMENT NAME	
2 NAME OF OPERATOR BERRY PETROLEUM COMPANY				9 WELL NAME and NUMBER FEDERAL 5-4-64	
3 ADDRESS OF OPERATOR RT. 2 BOX 7735 CITY ROOSEVELT STATE UTAH ZIP 84066			PHONE NUMBER (435)722-1325	10 FIELD AND POOL, OR WILDCAT <i>Under Straker</i> BERRY PETROLEUM	
4 LOCATION OF WELL (FOOTAGES) 555978x 4426714y 39.990636				11 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN SW/NW SEC. 4, T.6S., R.4W. U.S.B.&M.	
AT SURFACE 1980' FNL, 1252' FWL				NAD 27 -110.344318 39.990564 LAT 110.344464 LONG	
AT PROPOSED PRODUCING ZONE SAME AS ABOVE					
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 23.0 MILES FROM MYTON, UTAH				12 COUNTY DUCHESNE	13 STATE UTAH
15 DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1252'		16 NUMBER OF ACRES IN LEASE 1920.00		17 NUMBER OF ACRES ASSIGNED TO THIS WELL 40	
18 DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) N/A		19 PROPOSED DEPTH 5580'		20 BOND DESCRIPTION RLB0005651	
21 ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.) 6715' GR		22 APPROXIMATE DATE WORK WILL START UPON APPROVAL OF APD		23 ESTIMATED DURATION APPROXIMATELY 6 DAYS	

24 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	8 5/8	J-55 ST&C or LT&C	24#	300	TYPE III + ADDITIVES	135 SX	1.17 CF/SK 15.8 PPG
7 7/8	5 1/2	J-55 LT&C	15.5#	3000'	PREMIUM LITE II + ADDITIVES	232 SX	3.43 CF/SK 11.0 PPG
				TD	Poz (Fly Ash): Class G Cmt + ADD	326 SX	1.27 CF/SK 14.3 PPG
NOTE: ACTUAL VOLUMES PUMPED WILL BE CALIPER HOLE VOLUME+20% EXCESS							

25 ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) **SHELLEY CROZIER** TITLE **OPS., ACCT. & REGULATORY SUPERVISOR**

SIGNATURE *Shelley Crozier* DATE **12/06/06**

(This space for State use only)

API NUMBER ASSIGNED **213-013-33450**

**Approved by the
Utah Division of
Oil, Gas and Mining
APPROVAL**

Date: **12-14-06**
By: *[Signature]*

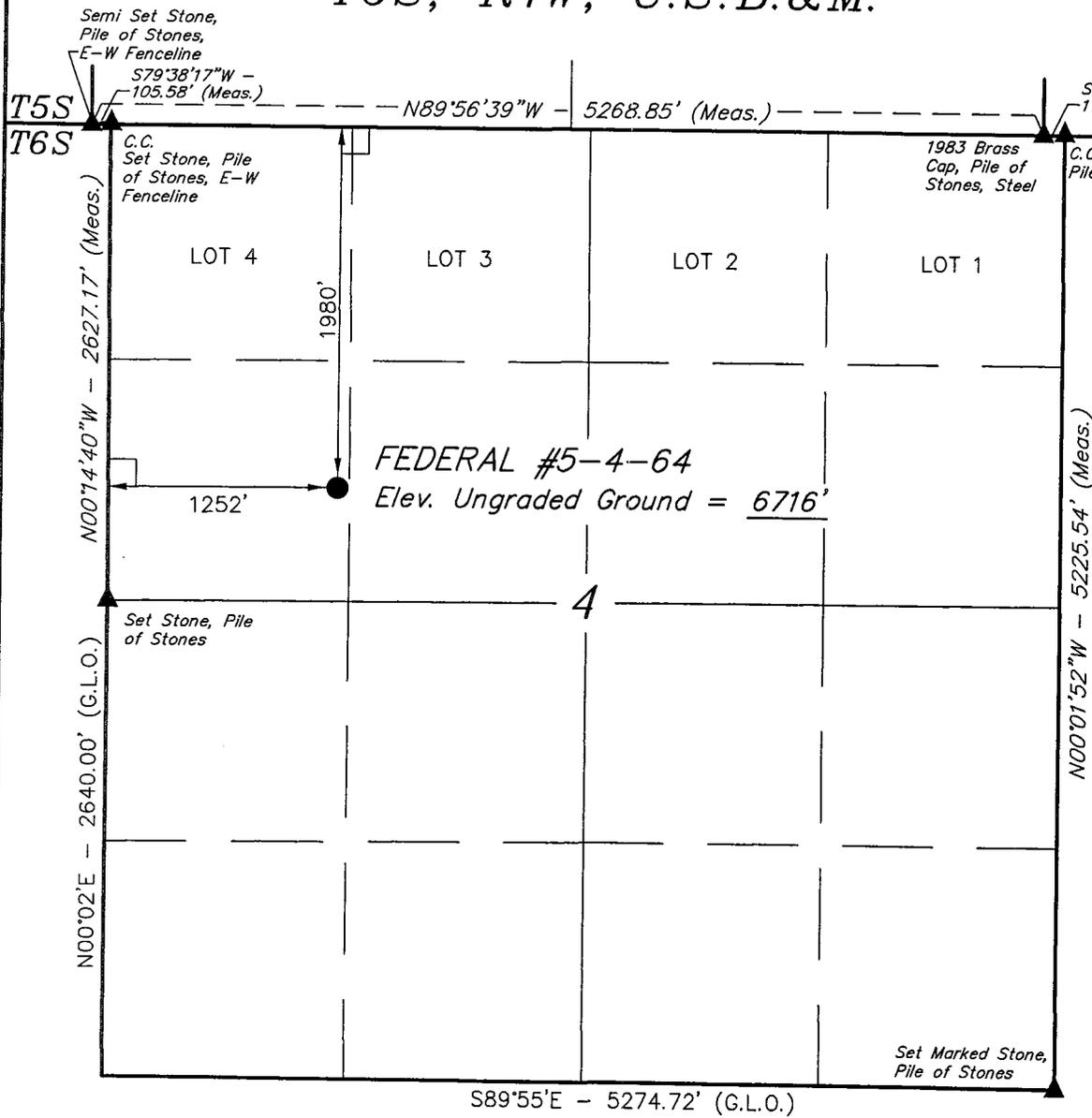
RECEIVED
DEC 08 2006
DIV. OF OIL, GAS & MINING

(11/2001) Federal Approval of this Act is not necessary.

T6S, R4W, U.S.B.&M.

BERRY PETROLEUM COMPANY

Well location, FEDERAL #5-4-64, located as shown in the SW 1/4 NW 1/4 of Section 4, T6S, R4W, U.S.B.&M. Duchesne County, Utah.

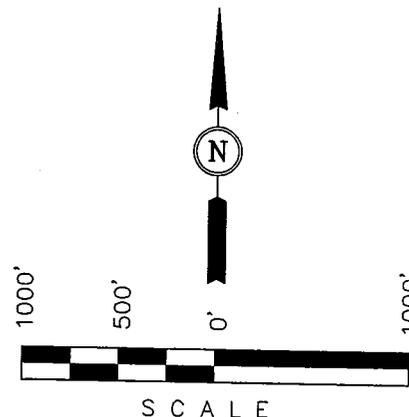


BASIS OF ELEVATION

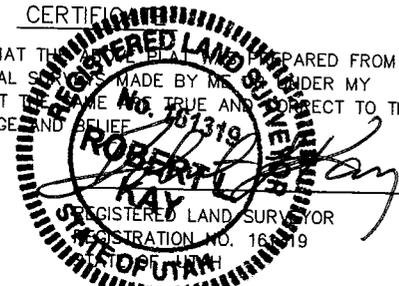
BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE PLAT PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 39°59'25.89" (39.990525)
 LONGITUDE = 110°20'42.62" (110.345172)
 (NAD 27)
 LATITUDE = 39°59'26.03" (39.990564)
 LONGITUDE = 110°20'40.07" (110.344464)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-14-06	DATE DRAWN: 03-15-06
PARTY B.H. J.T. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BERRY PETROLEUM COMPANY	

File Code: 1950/2820-2

Date: September 22, 2006

Chris Freeman
Berry Petroleum
410 17th Street, Suite 1320
Denver, CO 80202

**CERTIFIED MAIL – RETURN
RECEIPT REQUESTED
NUMBER:7006 0100 0004 0589 6026**

Dear Mr. Freeman,

Enclosed is a copy of the Decision Notice and Finding of No Significant Impact (DN / FONSI) documenting my decision to approve the Surface Use Plan of Operations (SUPO) for 4 well pad locations, and up to 8 wells, that you proposed for exploratory oil and gas drilling. Also enclosed is a copy of our Summary of Public Comments from the Berry EA, with Forest Service Responses.

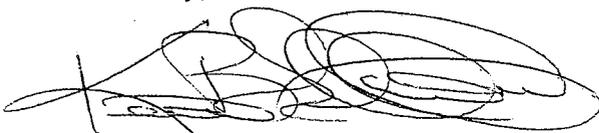
Berry Petroleum originally proposed drilling up to 29 exploratory oil and gas wells within the South Unit of the Ashley National Forest. However, the Ashley National Forest recently approved the Surface Use Plan of Operations (SUPO) for 21 of the proposed wells, via Statutory CE Category 1 of Section 390 of the Energy Policy Act of 2005.

This decision approves the Surface Use Plan of Operations (SUPO) for the remaining 8 proposed wells. Specifically, this decision includes approval for the construction of well pads 11-10-65, 6-11-65, 6-6-64, and 5-3-64, construction or upgrading of access routes to those pads, and drilling of vertical and directional wells from those pads, as described in the recent 2006 Berry EA. Should the proposed wells prove to be productive, this approval also includes installation of production facilities, and operation for as long as they remain productive and economically viable. As part of this decision, I am requiring all of the mitigation measures and design elements included within the original proposed action, or added to the proposed action during preparation of the 2006 Berry EA.

As the project proponent you have standing to appeal this decision under the appeal regulations at 36 CFR 251, subpart C. The appeal procedures are discussed in the Decision Notice.

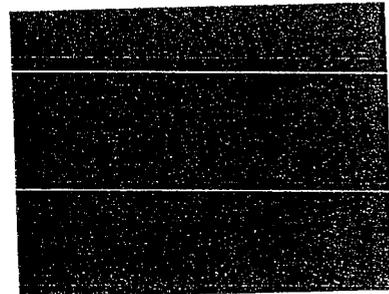
If you have any questions or need additional information about this decision please contact Kevin Elliott (435) 781-5136 or David Herron (435)-781-5218.

Sincerely,



KEVIN B. ELLIOTT
Forest Supervisor

cc: Mike T Elson, David A Herron, Sherry A Fountain, Peter A Kempenich



Categorical Exclusion Review

Proposed Drilling by Berry Petroleum September 2006

Introduction

Berry Petroleum Company (Berry) proposes to conduct exploratory oil and natural gas drilling operations within a portion of the South Unit of the Ashley National Forest. Their Proposed Action includes the exploratory drilling of up to 29 new wells (14 vertical; 15 directional) from 1 existing and 14 new well pad locations. To facilitate project access, they propose upgrading approximately 3.1 miles (16,220 feet) of existing road/two-track, and construction of up to 3.2 miles (16,800 feet) of new access roads. The Proposed Action consists of an exploratory drilling program designed so that Berry may gather information about the extent and distribution of natural gas resources on their federal oil and gas leases and to assess the economic viability of future production. The proposed drilling would target potential oil and gas producing zones of the Green River formation. All wells drilled would be tested, and if they are determined to be uneconomical, they would be plugged and reclaimed within one year after drilling, completion, and testing are completed. Wells that are identified as economically viable would be connected to gas gathering pipelines and equipped with production equipment so that resources could be recovered for the life of the well.

To analyze the possibility of adverse impacts, from approval and implementation of Berry's proposal, as well as to document site-specific details and determine appropriate design elements and mitigation measures, the Ashley National Forest prepared an Environmental Assessment (EA). This document, titled "Berry Petroleum's 2006 Oil and Natural Gas Exploration Project Environmental Assessment" (2006 Berry EA) was completed in May of 2006, and was made available to the public for comments.

Decision

Subsequent to starting work on the 2006 Berry EA, but prior to issuance of a Decision Notice / FONSI, the Ashley National Forest received additional guidance relative to the recent Energy Policy Act of 2005. In light of this new guidance, I have decided to approve the Surface Use Plan for a portion of Berry's proposed drilling project via Statutory Categorical Exclusions (CE) provided by Section 390 of the Energy Policy Act of 2005. Specifically, I have decided to approve all of Berry's proposed activities relating to the proposed 5-6-65, 5-4-65, 16-5-65, 10-3-65, 2-2-65, 10-2-65, 6-1-65, 5-4-64, 8-2-64, and 8-1-64 well pads, and the existing 6-2-65 well pad, as described in the 2006 Berry EA. This decision includes the approval of Surface Use Plan of Operations (SUPO) for 10 of their 14 proposed well pads including both vertical and directional drill holes, and for a directional drillhole at the existing 6-2-65 well pad. Should the proposed wells prove to be productive, the SUPO also includes installation of production facilities, and operation for as long as they remain productive and economically viable.

As part of this decision, I am requiring all of the mitigation measures and design elements included within the original proposed action, or added to the proposed action during preparation of the 2006 Berry EA, as described on pages 7 through 22 of that EA. Many

of these measures are above and beyond those required by the proponent's lease stipulations, but the proponent has agreed to implement them in order to minimize possible adverse environmental impacts.

Decision Rationale

I have determined that the proposed activities listed above fall within Statutory Category 1 of Section 390 of the Energy Policy Act of 2005. Statutory CE Category 1 allows approval for oil and gas related activities under the following conditions:

“Individual surface disturbance of less than five (5) acres so long as the total surface disturbance on the lease is not greater than 150 acres and site-specific analysis in a document prepared pursuant to NEPA has been previously completed.”

Individual short-term surface disturbance for the proposed well pads listed above, including new or upgraded access roads to those pads, would be less than 5 acres for each pad site, with a combined short-term surface disturbance of approximately 35.7 acres, as shown in the table below:

Well Pad Number	Well Pad Disturbance	Access Road Disturbance	Short-Term Disturbance
5-6-65 (proposed)	2.5 acres	0.9 acres	3.4 acres
5-4-65 (proposed)	2.5 acres	---	2.5 acres
16-5-65 (proposed)	2.5 acres	---	2.5 acres
10-3-65 (proposed)	2.5 acres	2.2 acres	4.7 acres
2-2-65 (proposed)	2.5 acres	0.3 acres	2.8 acres
10-2-65 (proposed)	2.5 acres	1.7 acres	4.2 acres
6-1-65 (proposed)	2.5 acres	2.3 acres	4.8 acres
5-4-64 (proposed)	2.5 acres	2.3 acres	4.8 acres
8-2-64 (proposed)	2.5 acres	1.0 acres	3.5 acres
8-1-64 (proposed)	2.5 acres	---	2.5 acres
6-2-65 (existing)	---	---	0.0 acres
Combined Totals	25.0 acres	10.7 acres	35.7 acres

These disturbance areas are less than both the 5-acre-individual and 150-acre-total disturbance limits allowed under Statutory Category 1. Berry's entire drilling proposal, including 4 additional proposed well sites not included in this decision, has a total short-term disturbance of less than 60 acres, which is still well below the 150-acre limit.

I have also determined that the 1997 Western Uinta Basin Oil and Gas Leasing EIS (1997 Leasing EIS) and Record of Decision, provide the required site-specific analysis in a document prepared pursuant to NEPA documentation. Additionally, the recently completed 2006 Berry EA provides additional site-specific information for this project. Therefore, the proposed activities related to the 10 new well pads, and 1 existing well pad, can be approved via Statutory Category 1 of the 2005 Energy Policy Act of 2005.

Compliance with Applicable Laws

Cultural resources surveys have also been conducted, with concurrence from Utah State Historic Preservation Office (SHPO) that no identified cultural resource sites would be impacted.

A Biological Assessment (BA) was prepared to analyze effects on threatened, endangered, or proposed wildlife and plant species from the proposed project. This BA resulted in a determination of no effect to terrestrial wildlife and plant species. The Biological Assessment also covered four endangered fish species. Consumptive water requirements for drilling and completion of the proposed wells would constitute a small one-time depletion of Upper Colorado River Basin water. Because such depletions have been determined to affect federally listed Basin fish species, the proposed project is likely to affect, and would adversely affect, the endangered fish. However, the U.S. Fish and Wildlife Service (USFWS) has determined that, due to the Recovery and Implementation Plan for endangered fish species in the Basin, these populations have demonstrated recovery from prior conditions. The USFWS has determined that payment to the Recovery Program for consumptive water depletions represents a reasonable and prudent alternative for continued recovery of these species. For small depletions, those less than 100 acre feet annually, no payment is required. Further, the nearest occupied habitat for these species is in the Green River, a minimum of 65 miles from project activities. The potential impacts to endangered Upper Colorado River Basin endangered fish species are therefore effectively mitigated for this project.

In reviewing the proposed project, and the EA that was prepared during project analysis, I have determined that the actions and SUPO being approved are in compliance with all applicable laws.

Summary

As noted and described above, the activities proposed by Berry Petroleum, for 10 of their 14 proposed well pads, and for additional drilling at their existing well pad, can be approved under Statutory CE Category 1 of Section 390 of the Energy Policy Act of 2005. Thus, the standard procedural mechanism for compliance with NEPA does not apply. These activities are consistent with the Ashley National Forest Land and Resource Management Plan. The Surface Use Plan for the proposed activities, related to the 5-6-65, 5-4-65, 16-5-65, 10-3-65, 2-2-65, 10-2-65, 6-1-65, 5-4-64, 8-2-64, 8-1-64, and 6-2-65 well pad sites, is hereby approved with the Conditions of Approval as specified in the 2006 Berry EA.

/s/ Kevin B. Elliott

September 21, 2006

KEVIN B. ELLIOTT
Forest Supervisor

Date

**DECISION NOTICE
AND
FINDING OF NO SIGNIFICANT IMPACT**

**Berry Petroleum's 2006 Oil and Natural Gas Exploration
Project Environmental Assessment**

**USDA Forest Service
Roosevelt/Duchesne Ranger District, Ashley National Forest
Duchesne County, Utah**

I. INTRODUCTION

Berry Petroleum Company (Berry) proposed to conduct exploratory oil and natural gas drilling operations within a portion of the South Unit of the Ashley National Forest (ANF) in Duchesne County south of Duchesne, Utah. The proponent's current leases cover approximately 20,865 acres (+/- 1%) located on federal lands in the South Unit of the ANF. These leases grant the proponent the right to drill for, extract, remove, and dispose of all oil and gas within the lands described in the above summary as well as the right to build and maintain necessary leasehold improvements for the term of these leases. These leases have controlled surface use and timing limitation stipulations related to sensitive wildlife, elk winter and yearlong range, lands with steep slopes or geologic hazards or unstable soils, and semi-primitive non-motorized/roadless areas.

The Proposed Action, as described in the 2006 Berry Environmental Assessment, includes the exploratory drilling of 29 wells (14 vertical; 15 directional) from 1 existing and 14 new well pad locations, the upgrading of approximately 3.1 miles (16,220 feet) of existing road/two-track, and the construction of up to 3.2 miles (16,800 feet) of new access roads. The Proposed Action consisted of an exploratory drilling program designed so that Berry may gather information about the extent and distribution of oil and natural gas resources on their federal oil and gas leases and to assess the economic viability of future production. The proposed drilling would target potential oil and gas producing zones of the Green River formation. All wells drilled would be tested, and if they are determined to be uneconomical, they would be plugged and reclaimed within one year after drilling, completion, and testing are completed. Wells that are identified as economically viable would be connected to gas gathering pipelines and equipped with production equipment so that resources could be recovered for the life of the well.

A notice describing the proposed project and requesting public comment was published in the Uinta Basin Standard newspaper on December 22, 2005. The Environmental Assessment which analyzed potential impacts to the human environment from the proposed project was posted on the Ashley National Forest's web site on May 15, 2006, and the legal notice and request for public comments was published in the Uintah Basin Standard on May 16, 2006.

On March 13, 2006, the Forest received clarifying direction from the Washington Office on the application of the Statutory Categorical Exclusions provided in Section 390 of the Energy Policy Act of 2005. Today, I used these categorical exclusions to authorize proposed activities related to 10 of the 14 proposed well pads discussed in the Environmental Assessment. Therefore, this Decision Notice only addresses activities for the 4 remaining proposed well pads.

II. PURPOSE AND NEED FOR ACTION

The purpose and need for the USFS is to respond to the formal proposal from Berry Petroleum, to exercise their oil and gas lease rights, and to evaluate the environmental impacts of the proposal in accordance with Forest Plan management direction. This environmental analysis is needed, per the National Environmental Policy Act (NEPA), to disclose potential effects from the proposal, and to provide information needed to make and document the required USFS decisions. These decisions should be consistent with the previous USFS decisions and lease obligations, including the Western Uinta Basin Leasing EIS, with rights granted by the oil and gas leases, and with direction from the Ashley National Forest Plan and Department and Agency policies.

Exploration and development of Federal oil and gas leases by private industry is an integral part of the oil and gas program of the USFS under authority of the Mineral Leasing Act of 1920 as amended, the Mining and Minerals Policy Act of 1970, the Federal Land Policy And Management Act of 1976, the National Materials and Minerals Policy, Research and Development Act of 1980, and the Federal Onshore Oil and Gas Leasing Reform Act of 1987.

The proponent's purpose and need is to explore and assess the economic recoverability of suspected oil and gas reserves, within their lease areas on the South Unit of the Ashley National Forest. If economically recoverable oil or gas reserves are identified from the proposed drilling, then those wells would be put into production, to recover those products.

A secondary purpose of this proposed project, for the proponent, is to assess the technical and economic viability of directional drilling on their oil and gas leases. Assuming economic quantities of oil and/or gas are found as a result of the drilling of vertical wells, Berry may then attempt to directionally drill from some or all of the same well pads to assess whether economically viable oil and gas resources can be reached and successfully produced from directional wells.

III. DECISION

I approved the Surface Use Plan of Operations (SUPO), authorizing the proposed activities for 10 of Berry's 14 proposed well pads, and the proposed directional drilling from their existing well pad, via Statutory CE Category 1 of Section 390 of the Energy Policy Act of 2005 (Categorical Exclusion Review, September 21, 2006). This includes the construction of well pads and new or upgraded access routes, and drilling of vertical and directional wells for the

following sites: Proposed well pads 5-6-65, 5-4-65, 16-5-65, 10-3-65, 2-2-65, 10-2-65, 6-1-65, 5-4-64, 8-2-64, and 8-1-64, and the existing 6-2-65 well pad. Therefore, these well pads and associated activities are no longer being considered as part of this decision.

Based upon my review of the alternatives in the EA, it is my decision to implement the remainder of alternative 2, the proposed action, with the exception of the proposed activities which have already been approved and are described above. This decision would approve Berry Petroleum's Surface Use Plan of Operations (SUPO) for the 4 remaining proposed well pads. This includes the construction of well pads and new or upgraded access routes, and drilling of vertical and directional wells, as described in the EA, for the following sites: 11-10-65, 6-11-65, 6-6-64, and 5-3-64. Should the proposed wells prove to be productive, the SUPO also includes installation of production facilities, and operation for as long as they remain productive and economically viable.

As part of this decision, I am requiring all of the mitigation measures and design elements included within the original proposed action, or added to the proposed action during preparation of the 2006 Berry EA, as described on pages 7 through 22 of that EA. Many of these measures are above and beyond those required by the proponent's lease stipulations, but the proponent has agreed to implement them in order to minimize possible adverse environmental impacts.

This decision is in compliance with the 1997 Western Uinta Basin Oil and Gas Leasing EIS Record of Decision.

IV. DECISION RATIONALE

The selected alternative meets the purpose and need, and allows Berry Petroleum to conduct exploratory drilling on their current leases, while providing for appropriate protection of other National Forest resources, values, and uses. The required mitigations and design elements will ensure that drilling activities take place in an environmentally sound manner.

Berry Petroleum, as holders of the leases, has the right to drill for oil and gas resources on the lease. The Forest Service decision space is limited to deciding the adequacy of the Proposed Action, submitted by the leaseholder, and requiring mitigations and design elements that will protect National Forest uses and values. The mitigations and design elements discussed below are necessary additions to the Proposed Action to respond to the issues raised in the analysis, to be responsive to public comments, and insure protection of other resources.

By implementing the Proposed Action, as modified by the mitigations and design elements, the proper balance is reached between Berry Petroleum's right to identify the oil and gas assets on their leases and the Forest Service mandate to protect the public interest on the lands and resources of the National Forest.

V. MITIGATION MEASURES AND DESIGN ELEMENTS

Various mitigation measures and design elements have been included within the Proposed Action, in order to avoid or minimize potential adverse effects. These measures are above and beyond those required by the proponent's lease stipulations, but which the proponent has agreed to follow. These measures, described in Section 2 of the EA (pages 7-19), and the additional design elements listed in Section 2 of the EA (pages 20-22), will be required as part of this decision. A few of the required design elements, mitigation measures, and lease stipulations are listed below:

Paleontology

- A qualified Paleontologist will monitor construction activities for proposed well pads 5-6-65, 6-11-65, 6-1-65, 5-3-64, 10-2-65, and 2-2-65 and their access roads. If significant paleontological resources are discovered, construction activities will be halted and the USFS notified. Operations in the area of the discovery will not resume until authorization to proceed has been received from the USFS.

Soil and Water Resources

- Vegetation and/or structural measures to control erosion will be implemented as soon as possible after initial soil disturbance to prevent erosion of disturbed soils.
- Energy dissipaters such as straw bales and silt fences may be required to prevent excess erosion of soils from disturbed areas into adjacent surface waters or floodplains. These structures will be installed during construction, and will be left in place and maintained for the life of the project or until the disturbed slopes have revegetated and stabilized.
- At sites without clay soils, where soils will be moderate to highly permeable, as well as sites closer to ephemeral/perennial channels, the reserve pit will be lined with a 20-mil pit liner on top of a protective felt layer to minimize the potential for leaks of pit fluids.

Vegetation

- During the construction phase of the project, Berry will implement an intensive reclamation and weed control program after each segment of project completion. Berry will reseed all portions of well pads and the ROW not utilized for the operational phase of the project, as well as any sites within the Project Area determined necessary by the USFS. Reseeding will be accomplished using native plant species indigenous to the Project Area. Post-construction seeding applications will continue until determined successful by the USFS. Weed control will be conducted through an Approved Pesticide Use and Weed Control Plan from the Authorized Officer. Weed monitoring and reclamation measures will be continued on an annual basis (or as frequently as the Authorized Officer determines) throughout the 30 year life of the project.

Wildlife

- Well pad and road construction, roads upgrading, and drilling operations will not be conducted between November 15 and April 30, to protect elk winter range.
- The existing guzzler present near proposed well pad 5-3-64 will be moved by the proponent to reduce the impacts of increase traffic and human presence on elk, mule deer, and other wildlife utilizing the structure for drinking.

Air Quality and Noise

- As needed, Berry will apply water to utilized roads to reduce fugitive dust from vehicle traffic. If water application does not adequately reduce fugitive dust, the use of Magnesium Chloride (MgCl) will be considered.
- Berry will participate in multi-party basin-wide air quality monitoring studies, to monitor possible air quality impacts from the proposed activities, and help determine the effectiveness or need for air quality mitigations.
- Pump jack engines will be equipped with high grade mufflers to reduce noise during the operational life of the project.

Cultural Resources

- All ground disturbing activities (road construction and upgrading, well pad construction, etc.) will be conducted so as to avoid any impacts to identified cultural resource sites.
- If cultural resources are inadvertently discovered, construction activities will be halted and the USFS notified. Operations in the area of the discovery will not resume until authorization to proceed has been received from the USFS.

VI. ISSUES, CONCERNS, AND PUBLIC INVOLVEMENT

Public involvement in the proposed project was initiated with the publication of the scoping notice in the Uintah Basin Standard newspaper on December 22, 2005. A description of the Proposed Action was listed in the Schedule of Proposed Actions for the first and second quarters of 2006 and the scoping letter and legal notice were posted on the Ashley national Forest web site. Letters describing the proposed project and soliciting comment were mailed to potentially interested federal agencies, individuals, organizations and the Ute Tribe. The formal public scoping period ended January 21, 2006.

In response to public scoping efforts, the Forest Service received comments from seven respondents. Based upon these comments and a review of the Proposed Action by the Forest Service Interdisciplinary Team, a list of issues to be analyzed in the EA was developed. Principal issues of concern included, but were not limited to:

- Issue 1: Geologic Structures, including:
 - Steep slopes
 - Alluvial fans and potential for debris flows and increased erosion
- Issue 2: Soil Resources
 - Increased erosion
- Issue 3: Vegetation, including:
 - Native vegetation
 - Noxious weeds
 - Threatened, endangered, proposed, and sensitive species

- Issue 4: Wildlife and Wildlife Habitat, including:
- Big game seasonal ranges
 - Sage-grouse
 - Migratory birds
 - Fisheries
 - Threatened, endangered, proposed, and sensitive species
 - Management indicator species and other species of concern
- Issue 5: Rangeland Resources
- Grazing allotments
- Issue 6: Air Quality, including:
- Chemical pollutants
 - Dust
- Issue 7: Hydrology/Water Quality/Quantity, including:
- Surface water
 - Groundwater
 - Increased sedimentation
 - Erosion control
- Issue 8: Floodplains, Wetlands, and Riparian Areas
- Issue 9: Cultural and Paleontological Resources
- Issue 10: Land Use
- Inventoried roadless areas
- Issue 11: Visual Resources
- Visual Resource Management (VRM) Classifications
- Issue 12: Noise, including:
- Disturbances to wildlife
 - Decreased quality of recreational experiences
- Issue 13: Socioeconomics and Environmental Justice
- Issue 14: Cumulative Effects, including:
- Grazing
 - Prescribed burns
 - Other oil and gas development
 - Prior road construction

The EA was completed, and was made available to the public for comments on May 16, 2006. Hard copies of the EA were mailed to interested parties at that time, while an electronic copy of

the EA was made available on the Ashley National Forest website. Letters were also mailed out, and a notice published in the Uintah Basin Standard newspaper, announcing availability of the EA for public comments. The formal comment period ended June 15, 2006. This project was initiated as a District Ranger decision, with scoping and legal notices announcing the Environmental Assessment's 30 day comment period as published in the Uintah Basin Standard. It was latter decided that the Forest Supervisor would be the Responsible Official. Therefore publication of a legal notice for this decision, in the Vernal Express, is now the trigger for initiating the appeal period.

VII. ALTERNATIVES

A. ALTERNATIVES CONSIDERED

In addition to the selected alternative, I considered one additional alternative. A comparison of these alternatives can be found in the EA in Table 2-3 on pages 23-25.

Alternative 1 – No Action Alternative

Under the No Action Alternative, the proposed drilling project would not be approved. The existing environment would remain in its current condition and there would be no new environmental consequences as a result of selecting this alternative. However, the project area has already been leased to the proponent for oil and gas exploration and development, following the 1997 Western Uinta Basin Oil and Gas Leasing EIS decision to lease these lands. The proponent's leases grant them the exclusive right to explore for and produce any oil and gas resources that may be located within their lease area, including construction of facilities reasonably needed to conduct prudent exploration and production. For these reasons, the No-Action Alternative may not represent a viable option, and would be in conflict with National, Agency, and Forest policy and guidance, as well as the intent of the 1997 Western Uinta Basin Oil and Gas Leasing EIS decision. Selection of this alternative would not preclude other oil and gas activities or proposals within the South Unit.

Alternative 2 – Proposed Action

The proposed Project Area is defined as Berry's current lease holdings within the South Unit of the ANF, which cover an area of roughly 20,865 acres (+/- 1%). This Project Area begins approximately 13 miles south of the town of Duchesne, Utah.

The proposed exploratory drilling would primarily target oil and gas from the Green River Formation. Berry's Proposed Action specifically includes the following primary components:

- Construction of 14 new well pads;
- Vertical drilling of 14 exploratory oil and/or natural gas wells on those well pads;
- The option of directionally drilling 15 additional exploratory oil and/or natural gas wells from the 14 proposed well pads, and one existing well pad;
- Upgrading up to approximately 3.1 miles (16,220 feet) of existing road/two-track;
- Construction of up to 3.2 miles (16,800 feet) of new access roads;
- Construction/installation of approximately 33,020 feet of buried or surface gathering gas pipeline which would lie within or immediately adjacent to the road corridor.

Berry expects to drill the 29 proposed exploratory wells during 2006 through 2008. Construction activities would follow guidelines described in the "Gold Book," *Surface Operating Standards for Oil and Gas Extraction and Development 4th Edition* (BLM and USFS 2005). New wells would be drilled to an average depth of about 6,000 feet. The typical oil and gas well would require about seven days to drill and 14 days to complete. Assuming that the well proves to be economically productive, an additional 7 to 10 days would be required for installation of production equipment and well start up (approximately 28 to 31 days from spud to production, per productive well). It is possible that Berry could drill fewer than the 29 proposed wells because of geologic and market uncertainties (expected quantities of oil and gas are not discovered, are not recoverable, or the prices for oil or gas drop unexpectedly), or if directional drilling were to prove to be technically or economically infeasible in this area. Each exploratory well would be initially completed and evaluated for adequate oil and natural gas production. If a well does not exhibit sufficient amounts of oil or natural gas after completion and initial evaluation, it would be permanently plugged. If the well pad could not be further utilized for directional drilling, it would be fully reclaimed. The amounts of oil and natural gas measured during initial evaluation tests would help determine the exploration drilling sequence. Wells demonstrating sufficient oil or natural gas reserves would be placed into permanent year-round operational status for long-term flow testing and production. Based upon the projected production life of a well, as well as the time required for full reclamation of all disturbed areas associated with well pad construction, the projected "life of the project" is expected to be up to 30 years. There is currently only one producing well present within the Project Area boundary. That well, operated by Berry, is currently producing economic quantities of both oil and gas.

A full-field development proposal is not being submitted at this time since it is unknown to Berry, the USFS, and the BLM, the extent and quantity of oil and/or natural gas in the area and whether there is adequate potential for a more extensive development scenario. Thus the current project is an exploratory project to help Berry obtain sufficient data and test potential production from its leases to determine the potential for future development.

Implementation of the full proposal, as described in the EA, would result in the short-term disturbance of up to approximately 58.6 acres, and long-term disturbance of approximately 41.6 acres. Assuming that some of all of the approved wells are productive, long-term disturbances would last the approximately 30-year life of the proposed project.

Implementation of this decision, approving activities related to only 4 of the 14 proposed well pads, would result in the short-term disturbance of up to approximately 22.9 acres, and long-term disturbance of approximately 15.4 acres.

Additional Alternatives Considered

No additional issues-driven alternatives were identified in the EA as being either feasible or necessary. The Forest Service and Proponent were able to work together to incorporate necessary and reasonable design elements into Alternative 2, as the Proposed Action.

B. ALTERNATIVES CONSIDERED BUT ELIMINATED FROM DETAILED STUDY

No additional issues-driven alternatives, which were considered but eliminated from detailed study, were identified.

VIII. FINDING OF NO SIGNIFICANT IMPACT

After considering the environmental effects described in the EA, I have determined that these actions will not have a significant effect on the quality of the human environment considering the context and intensity of impacts (40 CFR 1508.27). Thus, an environmental impact statement will not be prepared. I base my finding on the following:

1. My finding of no significant environmental effects is not biased by the beneficial effects of the action.
2. There will be no significant effects on public health and safety, because the proposed wells and access roads are located in isolated areas and operations are temporary. Although two of the proposed well pads being approved are located in areas potentially susceptible to flash floods and debris flows, construction of these facilities will not increase the chance for damaging debris flows to occur in these areas, and design elements have been included to minimize risks to crews and facilities (see EA pages 8-12; 20-22).
3. There will be no significant effects on unique characteristics of the area, because there are no ecologically critical areas such as parklands, prime farmlands, or wild and scenic rivers. Two of the proposed wells being approved will be located within or adjacent to inventoried roadless areas. Effects to roadless areas are minor because well pad and access road construction will only disturb a fraction of the surrounding inventoried roadless area (see EA pages 122-123). For these reasons, the impacts to the adjacent roadless areas would not be significant. There are wetlands within the Project Area, but none will be directly impacted by the proposed activities.
4. The effects on the quality of the human environment are not likely to be highly controversial. There is no known scientific controversy over the impacts of the project.

5. We have considerable experience with the types of activities to be implemented. The effects analysis shows the effects are not uncertain, and do not involve unique or unknown risk.
6. The action is not likely to establish a precedent for future actions with significant effects. Completion of the Proposed Action is independent of existing and/or future oil and gas development and does not assume or guarantee that any other development of the Proponent's leases will occur. Any future development proposals would be analyzed in a separate NEPA document at that time.
7. A review of the EA indicates that cumulative impacts are not significant. I have determined that there will be no "significant environmental impacts" to any resource.
8. The action will have no significant adverse effect on districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places, nor cause loss or destruction of significant scientific, cultural, or historical resources, (see EA page 118).
9. A Biological Assessment (BA) was prepared to analyze effects on threatened, endangered, or proposed wildlife and plant species from the proposed project. This BA resulted in a determination of no effect to terrestrial wildlife and plant species. The Biological Assessment also covered four endangered fish species. Consumptive water requirements for drilling and completion of the proposed wells would constitute a small one-time depletion of Upper Colorado River Basin water. Because such depletions have been determined to affect federally listed Basin fish species, the proposed project is likely to affect, and would adversely affect, the endangered fish. However, the U.S. Fish and Wildlife Service (USFWS) has determined that, due to the Recovery and Implementation Plan for endangered fish species in the Basin, these populations have demonstrated recovery from prior conditions. The USFWS has determined that payment to the Recovery Program for consumptive water depletions represents a reasonable and prudent alternative for continued recovery of these species. For small depletions, those less than 100 acre feet annually, no payment is required. Further, the nearest occupied habitat for these species is in the Green River, a minimum of 65 miles from project activities. The potential impacts to endangered Upper Colorado River Basin endangered fish species are therefore effectively mitigated for this project.
10. The action will not violate Federal, State, and local laws or requirements for the protection of the environment. Applicable laws and regulations were considered in the EA, and the action is consistent with the Ashley National Forest Land and Resource Management Plan (See EA pages 1-4).

IX. APPLICABLE LAWS, REGULATIONS, AND POLICIES

To the best of my knowledge, this decision is in compliance with all applicable laws, regulations, and policies. In some cases well pads will be located near ephemeral channels, and closer to

those channels than is recommended by INFISH guidelines. Because of the small and very ephemeral nature of those channels, and the large distance to viable fisheries downstream, no effects to downstream fisheries from surface activities are expected.

Consistency with Forest Plan

This decision to approve exploration on previously issued federal oil and gas leases is consistent with the intent of the Forest Plan's long-term goals and objectives. Within the Ashley National Forest, 1,083,830 acres are considered to be available for mineral leasing and development (*LRMP pages II-16 to II-17*). The project was designed in conformance with LRMP standards and incorporates appropriate land and resource management plan guidelines. Management Prescriptions are indicated in Chapter IV of the LRMP. The wells are located mainly in management prescription areas 'n' and 'd', which are managed for a range of resource uses and output and for high forage production and livestock utilization, respectively. Two wells are located within or close to a management prescription area 'e', which is managed with an emphasis on wildlife habitat.

Minerals development, with appropriate protective measures as included in the proposed project, is compatible with management direction for all of the management areas involved (*LRMP pages IV-5 through IV-13*).

X. IMPLEMENTATION DATE

If no appeal is received, implementation of this decision may occur no sooner than five business days after the close of the appeal period.

If an appeal is received, implementation may take place 15 days after a final decision is made on the appeal.

XI. ADMINISTRATIVE REVIEW OR APPEAL OPPORTUNITIES

This decision is subject to appeal pursuant to Forest Service regulations at 36 CFR 215. Appeals must meet the content requirements of 36 CFR 215.14. Only individuals or organizations who submitted comments or otherwise expressed interest in the project during the comment period may appeal. Appeals must be postmarked or received by the Appeal Deciding Officer within 45 days of the publication of this notice in the Uintah Basin Standard. This date is the exclusive means for calculating the time to file an appeal. Timeframe information from other sources should not be relied on. Incorporation of documents by reference is not allowed. The Appeal Deciding Officer is Jack Troyer, Regional Forester. Appeals must be sent to: Appeal Deciding Officer, Intermountain Region USFS, 324 25th Street, Ogden, Utah 84401; or by fax to 801-625-5277; or by email to: appeals-intermtn-regional-office@fs.fed.us. Emailed appeals must be submitted in rich text (rtf), Word (doc) or portable document format (pdf) and must include the project name in the subject line. Appeals may also be hand delivered to the above address, during regular business hours of 8:00 a.m. to 4:30 p.m. Monday through Friday.

As the Proponent, Berry Petroleum may appeal the decision under 36 CFR 251. This decision is subject to appeal pursuant to 36 CFR 251.82. Notice of appeal must be postmarked or received by the Appeal Reviewing Officer within 45 days of the certified letter notifying the proponent of this decision. The notice of appeal should be sent to: Jack Troyer, Regional Forester, Intermountain Region USFS, 324 25th Street, Ogden, Utah 84401. A copy of the notice of appeal must be filed simultaneously with Kevin B. Elliott, Forest Supervisor, 355 North Vernal Avenue, Vernal, Utah 84078. Appeals must meet the content requirements of 36 CFR 251.90.

Copies of the Berry Petroleum's 2006 Oil and Natural Gas Exploration Project Environmental Assessment, can be obtained from the Duchesne Ranger District Office, 85 West Main, Duchesne, Utah 84021. The EA, Decision Notice and FONSI, and legal notice will also be available on the Ashley National Forest webpage at <http://www.fs.fed.us/r4/ashley/projects/>.

XII. CONTACT PERSON

For additional information concerning this decision or the Forest Service appeal process, contact David Herron at (435) 781-5218, or Mike Elson at (435) 781-5223.

/s/ Kevin B. Elliott

September 21, 2006

KEVIN B. ELLIOTT
Forest Supervisor
Ashley National Forest

Date

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SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Berry Petroleum Company is considered to be the operator of the following well.

Federal 5-4-64
SW 1/4, NW 1/4, 1980' FNL 1252' FWL, Section 4, T. 6 S., R. 4 W., U.S.B.&M.
Lease USA UTU-77314
Duchesne, County, Utah

Berry Petroleum Company is responsible under the terms of the lease for the operations conducted upon the lease lands.



Shelley Crozier
Regulatory and Permitting Assistant
Berry Petroleum Company
4000 South 4028 West
Route 2, Box 7735
Roosevelt, Utah 84066
435-722-1325
435-823-1865

BERRY PETROLEUM COMPANY

Federal 5-4-64

Surface location SW 1/4, NW 1/4, 1980' FNL 1252' FWL, Section 4, T. 6 S., R. 4 W., U.S.B.&M.
Duchesne County, Utah

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1,2 Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth</u>
Uinta	surface
Green River	966'
Green River Upper Marker	1,542'
Mahogany	2,170'
Tgr3 Marker	3,191'
Douglas Creek	3,943'
Black Shale	4,544'
Castle Peak	4,833'
Uteland Butte Ls.	5,288'
Wasatch	5,478'
TD	5,580'
Base of Moderately Saline Water (less than 10,000 ppm)	625'

*PROSPECTIVE PAY

3 Pressure Control Equipment : (Schematic Attached)

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system when the well is drilled to the base of the Uteland Butte Limestone formation, and individual components shall be operable as designed. The attached diagram depicts the use of an annular in conjunction with double rams. However, an annular, double rams or both may be used depending on the drilling rig contracted. Chart recorders will be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

All required BOP tests and/or drills shall be recorded in the IADC report.

The anticipated bottom hole pressure will be less than 3,000 psi.

Duchesne County, Utah

4 Proposed Casing and Cementing Program

The proposed Casing Program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Type</u>	<u>Connection</u>	<u>Weight</u>
Surface	300'	12 1/4"	8 -5/8"	J-55	ST&C or LT&C	24#
Production	5580'	7-7/8"	5 1/2"	J-55	LT&C	15.5#
<u>Surface</u>		<u>Fill</u>	<u>Type & Amount</u>			
0'-300'	300	Approximately 135 sx Class "G" (Type III) cement + additives or a similar slurry with a minimum weight of 15.8 ppg and approximate yield of 1.17 cf/sk, minimum 24 hr compressive strength = 500 psi (Cement will be circulated to surface and topped off, if necessary.)				
<u>Production with lost circulation</u>			<u>Fill</u>	<u>Type & Amount</u>		
0'- 3,000'	11.0 ppg	Lead: +/- 232 sacks Premium Lite 11 Cement + 0.05 lbs/sack Static Free + 3 lbs/sack CSE + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 2 Lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 201.6% Fresh Water				
3,000'- TD	13.0ppg	Tail: 217 sacks Premium Lite II High Strenth + 0.05 lbs/sack Static Free + 0.4% bwoc R-3 + 0.4% bwoc FL-63 + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 0.2% bwoc BA-59 + 92% Fresh Water				
<u>Production without lost circulation</u>			<u>Fill</u>	<u>Type & Amount</u>		
0'- 3,000'	11.0 ppg	Lead: +/- 232 sacks Premium Lite 11 Cement + 0.05 lbs/sack Static Free + 3 lbs/sack CSE + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 2 Lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 201.6% Fresh Water				
3,000'-TD	14.3ppg	326 sacks (50:50) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 56.3% Fresh Water				

For Production casing, actual cement volumes will be determined from the caliper log plus a minimum of 20% excess.

5 Drilling Fluids Program

Interval	Weight	Viscosity	Fluid Loss	Remarks
0'-300'	8.3-8.6	27-40	NC	Spud Mud or air
300'-TD	8.6-8.9	27-40	NC	KCL Water

6 Evaluation Program

Logging Program: HRI-GR-SP with SDL-DSN-PE: surface casing to TD. Preserve samples from all show intervals.

Sampling: 10' dry cut samples: Douglas Creek to TD. Preserve samples From all show intervals.

Surveys: As deemed necessary

Mud Logger: As deemed necessary

Drill Stem Tests: As deemed necessary

Cores: As deemed necessary

7 Abnormal Conditions

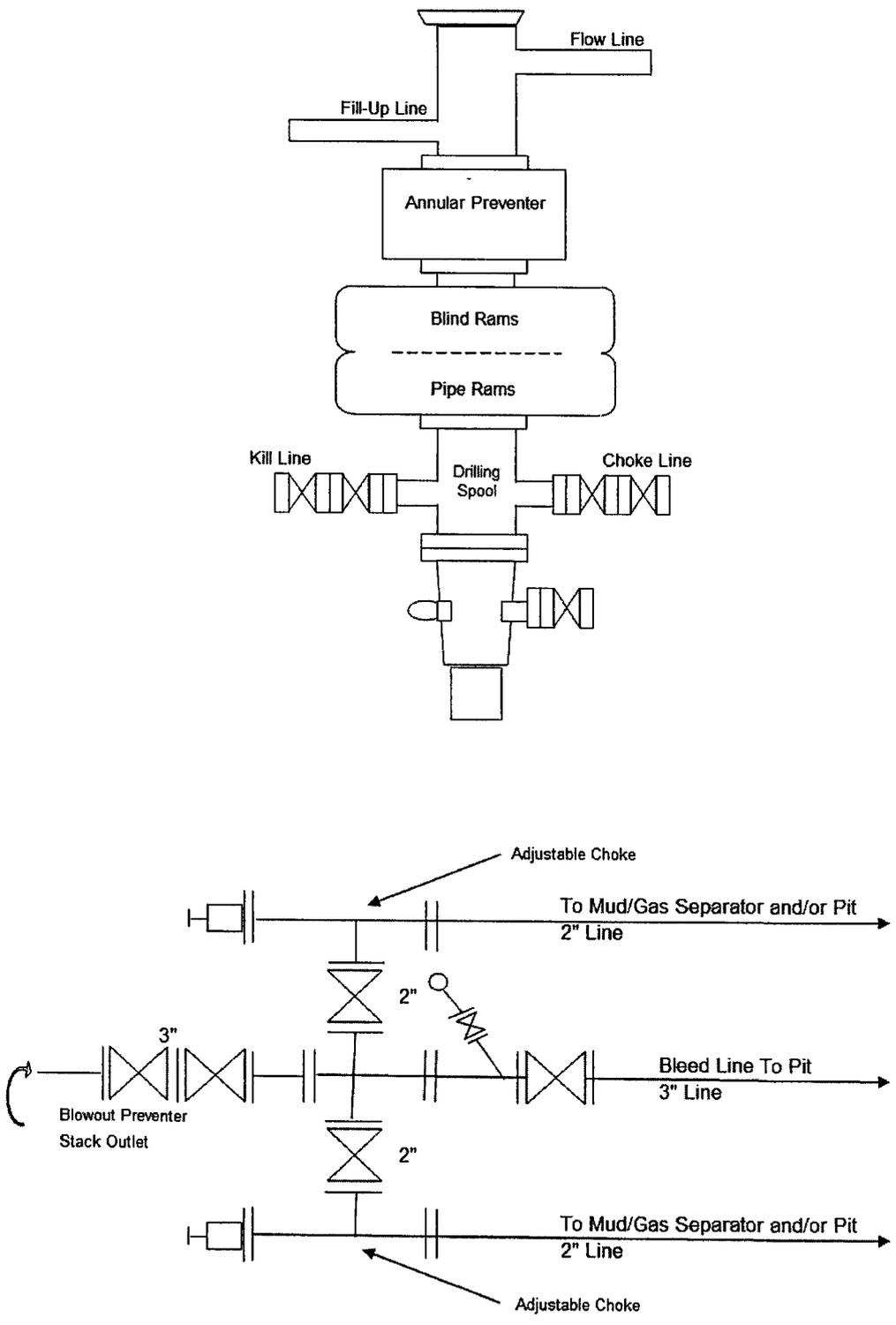
No abnormal temperatures or pressures or other hazards are anticipated.

8 Anticipated Starting Dates and Notification of Operations

Drilling Activity:

Anticipated Commencement Date: Upon approval of the APD.
Drilling Days: Approximately 6 days.
Completion Days: Approximately 7 days.

SCHMATIC DIAGRAM OF 2,000 PSI BOP STACK



BERRY PETROLEUM COMPANY

Federal 5-4-64

Surface location SW 1/4, NW 1/4, 1980' FNL 1252' FWL, Section 4, T. 6 S., R. 4 W., U.S.B.&M.
Duchesne County, Utah

ONSHORE ORDER NO. 1

MULTI POINT SURFACE USE & OPERATIONS PLAN

1 Existing Roads

To reach the Berry Petroleum Company well, Federal 5-4-64 location, in Section 4-T6S-R4W:

Start in Myton, Utah. Proceed west on US Highway 40, 8.6 miles to the Antelope Creek/Sowers Canyon Road at the Bridgeland turnoff. Turn south and proceed 8.9 miles to the un-named oilfield road that runs along the bottom of Nutters Canyon. Go south 5.3 miles, approximately 1200' past Forest Service Boundary into location for Federal 5-4-64.

The existing oilfield service road may need some surface material to prevent or repair holes in the road due to heavy truck traffic during the drilling and completion operation. If repairs are made the operator will secure material from private sources.

Please see the attached map for additional details.

2 Planned Access Road

See Topographic Map "B" for the location of the proposed access road.

On National Forest Service (NFS) lands, access roads will conform to standards outlined in the BLM and Forest Service publication, Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development "Gold Book" 4th Edition, 2006.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

New access roads will be crowned (2 to 3%), ditched, and constructed with a running surface of 22 feet and a maximum disturbed width of 35 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and shall be allowed to dry completely.

The disturbed width needed may be wider than 35 feet to accommodate larger equipment where deep cuts are required for road construction; intersections or sharp curves occur; or, as proposed by the operator. Approval will be required from the Forest Supervisor, Vernal, Utah (FS).

Appropriate water control structures will be installed to control erosion.

Unless otherwise specified, the following specifications will apply:

The road grade in the Project Area will be 10% or less, wherever possible. The 10% grade would only be exceeded in areas where physical terrain or unusual circumstances require it.

Turn-out areas will not be constructed unless they were deemed necessary for safety reasons.

There will be no major cuts and fills, culverts, or bridges. If it becomes necessary to install a culvert at some time after approval of the APD, the operator will submit a Sundry Notice requesting approval of the USFS Authorized Officer.

The access road will be centerline flagged during time of staking.

There will be no gates, cattle guards, fence cuts, or modifications to existing facilities without prior consent of the FS.

Surfacing material may be necessary, depending upon weather conditions.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. Best efforts will be made such that all drainage ditches and culverts will be kept clear and free flowing and will be maintained according to the original construction standards. The access road ROW will be kept free of trash during operations. All traffic will be confined to the approved running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing, nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided. When snow is removed from the road during the winter months, the snow should be pushed outside the borrow ditches, and the cutouts kept clear so that snowmelt will be channeled away from the road.

3 Location of Existing Wells

See Topographic Map "C" for the location of existing wells within a 1 mile radius.

4 Location of Tank Batteries, Production Facilities and Production Gathering and Service Lines

All permanent (on site for six months or longer) structures constructed or installed will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required paint color is desert brown (10YR 6/4) unless otherwise designated by the Authorized Officer.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold 150% of the capacity of the largest tank. The use of topsoil for the construction of dikes will not be allowed. A Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded with the BLM/VFO Authorized Officer's approval to meet SPCC requirements.

A description of the proposed pipeline and a map illustrating the proposed route is attached.

All site security guidelines identified in Federal regulation 43 CFR 3126.7, will be adhered to. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease production will have prior written approval from the Authorized Agency Officer.

Gas meter runs will be located approximately 100 feet from the wellhead. Where necessary, the gas line will be anchored down from the wellhead to the meter.

5 Location and Type of Water Supply

Water for the drilling and completion will be pumped or trucked from the Berry source wells located in Sec. 23, T5S, R5W or Sec. 24, T5S, R5W, permit # 43-11041, or from Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W or from East Duchesne Water, Arcadia Feedlot, Sec. 28, T3S, R3W or Myton (Moon) Pit, SE/NE Sec. 27, T3S, R2W or from Petroglyph Operating Company 08-04 Waterplant, Sec. 8, T5S, R3W or from Kenneth V. & Barbara U. Richens source well located in Sec. 34, T3S, R2W, permit # 43-1723 or Brundage Canyon Field produced water or Leo Foy source well located in Sec. 34, T5S, R5W, permit # 43-11324.

6 Source of Construction Materials

All construction materials for this location site and access road shall be borrow material accumulated during construction of the location site and access road.

Additional gravel or pit lining material will be obtained from a private source.

The use of materials under Authorized Agency jurisdiction will conform with 43 CFR 3610.2-3.

7 Methods of Handling Waste Materials

Drill cuttings will be contained in a closed loop system or a reserve pit and buried in the reserve pit or spread on location.

Drilling fluids, including salts and chemicals, will be contained in a closed loop system or a reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility. For wells completed from October 1 through April 30, any hydrocarbons in the pit shall be removed from May 1 to September 30 in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

If it is determined at the onsite that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash or scrap that could puncture the liner will not be disposed of in the pit.

Reserve pit leaks are considered an unacceptable and undesirable event and will be orally reported to the Authorized Officer.

Drain tanks will be installed with a 3" sand or dirt pad underneath a 20 millimeter thick liner which will extend 12" over the top edges of the pit. There will be room around the outside walls of the tank for visual inspection. There will be an escape route for animals from the bottom of the pit to ground level.

After first production, produced wastewater will be trucked to one of the following approved waste water disposal sites: R.N. Industries, Inc. Sec. 4, T2S, R2W, Bluebell; MC & MC Disposal Sec. 12, T6S, R19E, Vernal; LaPoint Recycle & Storage Sec. 12, T5S, R19E, LaPoint or Water Disposal Inc. Sec. 32, T1S, R1W, Roosevelt, used in the operations of the field or, unless prohibited by the Authorized Officer, disposed of to the approved pit for a period not to exceed 90 days. The use of such pit is hereby approved as part of this Application for Permit to Drill.

All production fluids will be disposed of at approved disposal sites. Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The indiscriminate dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical portable toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location promptly after removal of the completion rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas.

8 Ancillary Facilities

There are no ancillary facilities planned for at this time and none are foreseen in the future.

9 Wellsite Layout

The attached Location Layout diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s).

The diagram describes rig orientation, parking areas, and access roads as well as the location of the following:

The reserve pit.

The stockpiled topsoil, which shall not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with the topsoil.

The flare pit, which will be located downwind from the prevailing wind direction.

The access road.

All pits will be fenced according to the following minimum standards:

39-inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.

Standard steel posts shall be used between the corner braces, between the corner posts. Distance between any two posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10 Plans for Restoration of the Surface

The dirt contractor will be provided with approved copies of the Surface Use Plan and these Standard Operating Procedures prior to construction activities.

Upon well completion, within 30 days the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

On lands administered by the Forest Service, abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be folded and torn after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting. Once reclamation activities have begun, the activities will be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The object is to keep seasonal rainfall and runoff from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert runoff as needed.

Prior to the construction of the location, the top 12 inches of soil material (if present) will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road, will be scarified and left with a rough surface.

The Authorized Officer or the appropriate surface management agency shall be contacted for the required seed mixture. Seed will be broadcast and the amount of seed mixture per acre will be doubled. The seeded area will then be "walked" with a dozer to assure coverage of the seeds. The seed mixture will reflect the recommendation from the Archeology study done on the site specific APD.

At final abandonment, all casing shall be cut off at the base of the cellar or 3 feet below final restored ground level, whichever is deeper, and cap the casing with a metal plate a minimum of 0.25 inches thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap also will be constructed with a weep hole.

11 Surface Ownership

United States Forest Service

12 Other information

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities. A list of noxious weeds may be obtained from the Forest Service, BLM, or the appropriate County Extension Office. On NFS administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides or other pesticides or possibly hazardous chemicals.

Drilling rigs and/or equipment used during drilling operations on this location will not be stacked or stored on National Forest Service-administered lands after the conclusion of drilling operations or at any other time without authorization by the NFS. If authorization is obtained, such storage is only a temporary measure.

Travel is restricted only to approved travel routes.

Unless previously conducted, a class III archaeological survey will be conducted on all Forest Service lands. All personnel will refrain from collecting artifacts and from disturbing any significant cultural resources in the area. The operator is responsible for informing all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in the archaeological report, and to the existing roadways and/or evaluated access routes. If historic or archaeological materials are uncovered during construction, the Operator is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

Within five working days, the Authorized Officer will inform the operator as to:

Whether the materials appear eligible for the National Historic Register of Historic Places;

The mitigation measures the operator will likely have to undertake before the site can be used (assuming in-situ preservation is not necessary); and,

The time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that the mitigation measures are appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer and/or the surface owner will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise the operator will be responsible for mitigation costs. The Authorized Officer and/or the surface owner will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the Operator will then be allowed to resume construction.

On surface administered by the NFS, all surface use will be conducted in accordance with the STIPULATION FOR LANDS OF THE NATIONAL FOREST SYSTEM UNDER JURISDICTION OF THE DEPARTMENT OF AGRICULTURE, including:

If the surface is owned by another entity (FEE OWNER) and the mineral rights are owned by the BLM, a right-of-way will be obtained from the other entity.

Operator's employees, including subcontractors, will not gather firewood along roads constructed by the operator.

All roads constructed by the operator will have appropriate signs. Signs will be neat and of sound construction. The sign will state: (a) that the land is located within the Ashley National Forest boundary (b) the name of the Operator, (c) that firearms are prohibited, (d) only authorized personnel are permitted.

All well site locations will have appropriate signs indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter/quarter section; the section, township, and range).

13 Operator's Representative and Certification

A) Representative

NAME: Shelley Crozier
Regulatory and Permitting Assistant

ADDRESS: Berry Petroleum Company
4000 South 4028 West
Rt. 2 Box 7735
Roosevelt, UT 84066

PHONE: 435-725-1875 or 435-823-1865

EMAIL: sec@bry.com

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders and any applicable Notice to Lessees.

The operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" and the Standard Operating Procedures will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

The drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Berry Petroleum Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

December 6, 2006
DATE

Shelley Crozier
Shelley Crozier
Regulatory and Permitting Assistant
Berry Petroleum Company



Proposal No: 179967142A

*Without
lost Circulation*

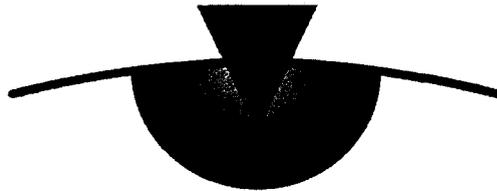
Berry Petroleum Co
FEDERAL 5-4-64

4-6A-4W
Duchesne County, Utah
November 16, 2006

Cement Recommendation

Prepared for:
Tim McDonald
Berry Petroleum Co.

Prepared by:
SUSANA HERRERA-MCKENZIE
Technical Support Coordinator
Denver, Colorado
Bus Phone: 303-832-3722



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Fax: (435) 789-4530

Service Representatives:

Darrin Bailey
Senior Sales Rep
Vernal, Utah
Bus Phone: (435) 781-2294
Mobile: (435) 828-4104

Operator Name: Berry Petroleum
Well Name: FEDERAL 5-4-64
Job Description: Cement 5-1/2 inch Production Casing
Date: November 16, 2006



Proposal No: 179967142A

JOB AT A GLANCE

Depth (TVD)	5,580 ft
Depth (MD)	5,580 ft
Hole Size	7.875 in
Casing Size/Weight :	5 1/2 in, 15.5 lbs/ft
Pump Via	5 1/2" O.D. (4.950" I.D) 15.5
Total Mix Water Required	6,728 gals
Pre-Flush	
Fresh Water	10 bbls
Density	8.3 ppg
Spacer	
KCl Water	10 bbls
Density	8.4 ppg
Spacer	
Fresh Water	20 bbls
Density	8.3 ppg
Lead Slurry	
PL2+SF+3#CSE+3%KCL+0.25	232 sacks
Density	11.0 ppg
Yield	3.43 cf/sack
Tail Slurry	
50:50:2+3%KCL+0.5%EC-	326 sacks
Density	14.3 ppg
Yield	1.27 cf/sack
Displacement	
Fresh Water	132 bbls
Density	8.3 ppg

Operator Name: Berry Petroleum
 Well Name: FEDERAL 5-4-64
 Job Description: Cement 5-1/2 inch Production Casing
 Date: November 16, 2006



Proposal No: 179967142A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.097 CASING	342	342
7.875 HOLE	5,580	5,580

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.950	15.5	5,580	5,580

Float Collar set @ 5,540 ft
 Mud Density 8.40 ppg
 Mud Type Water Based
 Est. Static Temp. 139 ° F
 Est. Circ. Temp. 111 ° F

VOLUME CALCULATIONS

342 ft x 0.1926 cf/ft with 0 % excess = 65.9 cf
 3,358 ft x 0.1733 cf/ft with 25 % excess = 727.2 cf
 1,880 ft x 0.1733 cf/ft with 25 % excess = 407.1 cf
 40 ft x 0.1336 cf/ft with 0 % excess = 5.3 cf (inside pipe)
TOTAL SLURRY VOLUME = 1205.6 cf
 = 215 bbls

Confirm well data with customer representative prior to pumping.

Operator Name: Berry Petroleum
Well Name: FEDERAL 5-4-64
Job Description: Cement 5-1/2 inch Production Casing
Date: November 16, 2006



Proposal No: 179967142A

FLUID SPECIFICATIONS

Pre-Flush 10.0 bbls Fresh Water @ 8.34 ppg
 Spacer 10.0 bbls KCl Water @ 8.4 ppg
 Spacer 20.0 bbls Fresh Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	793	/ 3.4	= 232 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3 lbs/sack CSE + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 201.6% Fresh Water
Tail Slurry	412	/ 1.2	= 326 sacks (50:50) Poz (Fly Ash):Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 56.3% Fresh Water
Displacement			131.9 bbls Fresh Water @ 8.34 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	11.00	14.30
Slurry Yield (cf/sack)	3.43	1.27
Amount of Mix Water (gps)	21.03	5.67
Amount of Mix Fluid (gps)	21.03	5.67
Estimated Pumping Time - 70 BC (HH:MM)	4:30	3:30
COMPRESSIVE STRENGTH		
24 hrs @ 144 ° F (psi)		2300
72 hrs @ 144 ° F (psi)		2550

Compressive strengths and thickening times are estimates only. Final laboratory testing will determine retarder loadings, if necessary.

Slurry volumes are based off of 25% excess with gauge hole.



CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. **If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com.** By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

Operator Name: Berry Petroleum
Well Name: FEDERAL 5-4-64
Date: November 16, 2006



Proposal No: 179967142A

PRODUCT DESCRIPTIONS

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

CSE

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

Class G Cement

Intended for use as a basic cement from surface to 8000 ft as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

EC-1

A proprietary product that provides expansive properties and improves bonding at low to moderate temperatures.

FP-6L

A clear liquid that decreases foaming in slurries during mixing.

Kol Seal

A granular, lightweight material (specific gravity of 1.3) used to control lost circulation in zones of natural and induced fractures, cavities and high permeability.

Potassium Chloride

A granular salt used to reduce clay swelling caused by water-base stimulation fluids.

Potassium Chloride

A granular salt used to reduce clay swelling caused by water-base cementing fluids.

Poz (Fly Ash)

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

Premium Lite II Cement

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

Sodium Metasilicate

An accelerator used to decrease the thickening time of cement slurries.

Sodium Metasilicate

An extender used to produce an economical, low density cement slurry.

Operator Name: Berry Petroleum
Well Name: FEDERAL 5-4-64
Date: November 16, 2006



Proposal No: 179967142A

PRODUCT DESCRIPTIONS (Continued)

Static Free

An anti-static additive used to prevent air entrainment due to agglomerated particles. Can be used in Cementing and Fracturing operations to aid in the flow of dry materials.



Proposal No: 179967143A

**Berry Petroleum Co
FEDERAL 5-4-64**

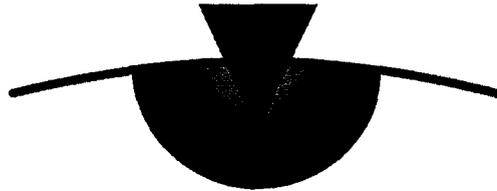
4-6S-4W
Duchesne County, Utah
November 16, 2006

*with
lost circulation*

Cement Recommendation

Prepared for:
Tim McDonald
Berry Petroleum Co.

Prepared by:
SUSANA HERRERA-MCKENZIE
Technical Support Coordinator
Denver, Colorado
Bus Phone: 303-832-3722



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Service Representatives:
Darrin Bailey
Senior Sales Rep
Vernal, Utah
Bus Phone: (435) 781-2294
Mobile: (435) 828-4104

Operator Name: Berry Petroleum
Well Name: FEDERAL 5-4-64
Job Description: Cement 5-1/2 inch Production Casing
Date: November 16, 2006



Proposal No: 179967143A

JOB AT A GLANCE

Depth (TVD)	5,580 ft
Depth (MD)	5,580 ft
Hole Size	7.875 in
Casing Size/Weight :	5 1/2 in, 15.5 lbs/ft
Pump Via	5 1/2" O.D. (4.950" I.D) 15.5
Total Mix Water Required	6,962 gals
Pre-Flush	
Fresh Water	10 bbls
Density	8.3 ppg
Spacer	
KCl Water	10 bbls
Density	8.4 ppg
Spacer	
Fresh Water	20 bbls
Density	8.3 ppg
Lead Slurry	
Premium Lite II	232 sacks
Density	11.0 ppg
Yield	3.43 cf/sack
Tail Slurry	
Premium Lite II HS+ additives	217 sacks
Density	13.0 ppg
Yield	1.91 cf/sack
Displacement	
Fresh Water	132 bbls
Density	8.3 ppg

Operator Name: Berry Petroleum
 Well Name: FEDERAL 5-4-64
 Job Description: Cement 5-1/2 inch Production Casing
 Date: November 16, 2006



Proposal No: 179967143A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.097 CASING	342	342
7.875 HOLE	5,580	5,580

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.950	15.5	5,580	5,580

Float Collar set @ 5,540 ft
 Mud Density 8.40 ppg
 Mud Type Water Based
 Est. Static Temp. 139 ° F
 Est. Circ. Temp. 111 ° F

VOLUME CALCULATIONS

342 ft x 0.1926 cf/ft with 0 % excess = 65.9 cf
 3,358 ft x 0.1733 cf/ft with 25 % excess = 727.2 cf
 1,880 ft x 0.1733 cf/ft with 25 % excess = 408.5 cf
 40 ft x 0.1336 cf/ft with 0 % excess = 5.3 cf (inside pipe)
TOTAL SLURRY VOLUME = 1207.0 cf
 = 215 bbls

Confirm well data with customer representative prior to pumping.

Operator Name: Berry Petroleum
 Well Name: FEDERAL 5-4-64
 Job Description: Cement 5-1/2 inch Production Casing
 Date: November 16, 2006



Proposal No: 179967143A

FLUID SPECIFICATIONS

Pre-Flush 10.0 bbls Fresh Water @ 8.34 ppg
 Spacer 10.0 bbls KCl Water @ 8.4 ppg
 Spacer 20.0 bbls Fresh Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	793	/ 3.4	= 232 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3 lbs/sack CSE + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 201.6% Fresh Water
Tail Slurry	414	/ 1.9	= 217 sacks Premium Lite II High Strength + 0.05 lbs/sack Static Free + 0.4% bwoc R-3 + 0.4% bwoc FL-63 + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 0.2% bwoc BA-59 + 92% Fresh Water
Displacement			131.9 bbls Fresh Water @ 8.34 ppg

CEMENT PROPERTIES

	<u>SLURRY NO. 1</u>	<u>SLURRY NO. 2</u>
Slurry Weight (ppg)	11.00	13.00
Slurry Yield (cf/sack)	3.43	1.91
Amount of Mix Water (gps)	21.03	9.60
Amount of Mix Fluid (gps)	21.03	9.60
Estimated Pumping Time - 70 BC (HH:MM)	4:30	4:41
COMPRESSIVE STRENGTH		
24 hrs @ 144 ° F (psi)		1700
72 hrs @ 144 ° F (psi)		2000

RHEOLOGIES

<u>FLUID</u>	<u>TEMP</u>	<u>600</u>	<u>300</u>	<u>200</u>	<u>100</u>	<u>6</u>	<u>3</u>
Tail Slurry	@ 80 ° F	179	145	112	88	9	7

Slurry and the chemical loadings subject to change pending pre-job testing.



CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

Operator Name: Berry Petroleum
Well Name: FEDERAL 5-4-64
Date: November 16, 2006



Proposal No: 179967143A

PRODUCT DESCRIPTIONS

BA-59

A free flowing powder which provides improved bonding and minimizes gas migration. Provides expansion properties and zero free water to cement slurries.

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

CSE

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

FL-63

A non-retarding, non-viscosifying fluid loss additive particularly suited for use with coil tubing and/or close tolerance liner cementing. FL-63 is effective from low to high temperatures. Concentrations of 0.2% to 1.0% BWOC are typical.

FP-6L

A clear liquid that decreases foaming in slurries during mixing.

Kol Seal

A granular, lightweight material (specific gravity of 1.3) used to control lost circulation in zones of natural and induced fractures, cavities and high permeability.

Potassium Chloride

A granular salt used to reduce clay swelling caused by water-base stimulation fluids.

Premium Lite II Cement

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

Premium Lite II High Strength

Premium Lite II High Strength is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

R-3

A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

Sodium Metasilicate

An accelerator used to decrease the thickening time of cement slurries.

Static Free

An anti-static additive used to prevent air entrainment due to agglomerated particles. Can be used in Cementing and Fracturing operations to aid in the flow of dry materials.



August 30, 2006

Clay Johnson
Archaeologist
Ashley National Forest
355 North Vernal Avenue
Vernal, UT 84078

**RE: BERRY PETROLEUM COMPANY—ASHLEY NATIONAL FOREST
EXPLORATION & DEVELOPMENT WELLS EA, DUCHESNE COUNTY, UTAH**

Dear Clay,

On behalf of Berry Petroleum Company (Berry), URS Corporation (URS) is pleased to submit four (4) copies of *Ashley National Forest Exploration & Development Wells EA, Duchesne County, Uintah: Results of an Intensive Cultural Resources Inventory*, written by Gordon C. Tucker Jr. This report describes the background, methods, and results of an intensive pedestrian survey of eight proposed gas wells and approximately five miles of access roads in the South Unit of the Ashley National Forest.

One new site (42DC2399) was documented in the project area and three previously recorded sites were revisited. Proposed access roads were rerouted around two sites (42DC288 and 42DC1607), which have been determined eligible for listing in the National Register of Historic Places (NRHP). The third site (42DC1864) had been determined not eligible for the NRHP and this evaluation has not changed. Nine isolated finds were also documented in the project area. These finds collectively document intermittent use of the area by both prehistoric and historic occupants. Proposed project activities will affect no historic properties, and URS recommends that the project be allowed to proceed as planned.

We appreciate the advice and support you have provided on this project. If you have any questions about the work performed or this report, please do not hesitate to contact me by telephone at (303) 796-4617 or by e-mail at bob_mutaw@urscorp.com, or contact Gordy Tucker at (303) 740-3850 or gordon_tucker@urscorp.com. Thank you.

Sincerely,
URS Corporation

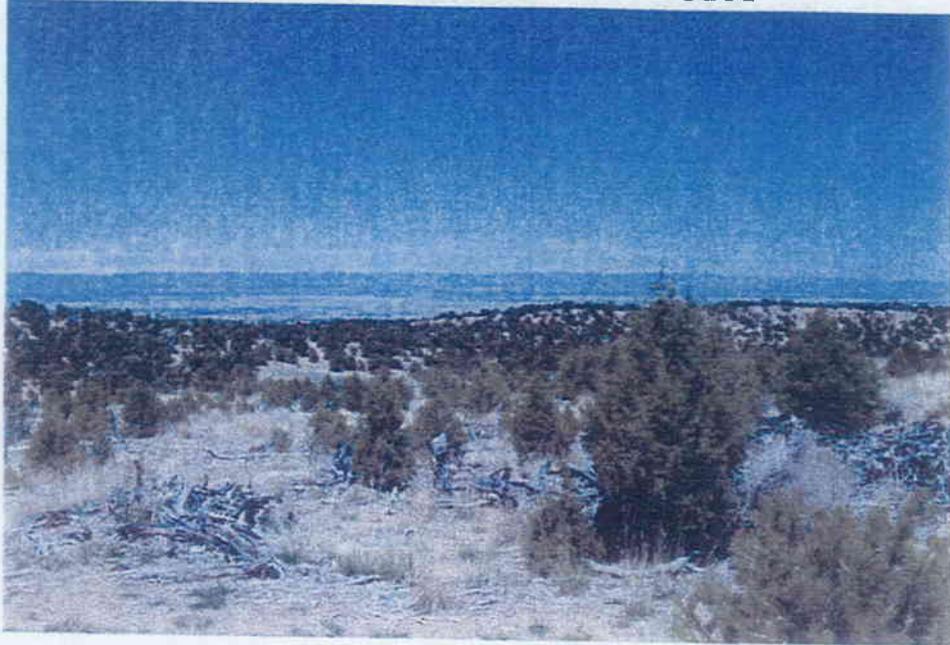
Robert J. Mutaw, Ph.D.
Cultural Resources Team Leader

Attachment

cc: Chris Freeman, Berry Petroleum
Gordon C. Tucker Jr., URS

URS Corporation
8181 E. Tufts Avenue
Denver, CO 80237
Tel: 303.694.2770 and 303.740.2600
Fax: 303.694.3946

ASHLEY NATIONAL FOREST EXPLORATION &
DEVELOPMENT WELLS EA, DUCHESNE
COUNTY, UTAH: RESULTS OF AN INTENSIVE
CULTURAL RESOURCES INVENTORY



UTAH STATE PROJECT NUMBER: **U-05-UI-1440f**
ASHLEY NATIONAL FOREST NUMBER: **AS-06-01074**

Prepared for:

Berry Petroleum Company
950 17th Street, Suite 2400
Denver, CO 80202

Written By:

Gordon C. Tucker Jr., Ph.D.

URS

URS Corporation
8181 E. Tufts Avenue
Denver, Colorado 80237

Project No.: 22238478.00001

August 30, 2006

COVER PAGE
Must Accompany All Project Reports
Submitted to Utah SHPO

Project Name: Ashley NF Exploration & Development Wells EIS (AS-06-1074) State Proj. No. U-05-UI-1440f

Report Date: August 30, 2006 County(ies): Duchesne

Principal Investigator: Robert J. Mutaw, Ph.D.

Field Supervisor(s): Gordon C. Tucker Jr., Ph.D.

Records search completed at what office(s)? Ashley National Forest; Utah State Historical Society

Record search date(s): January 18, 2006; January 23, 2006;

Area Surveyed – Intensive (≤ 15 m intervals): 205 acres Recon/Intuitive (> 15 m intervals): _____ acres

7.5' Series USGS Map Reference(s): Anthro Mountain, UT (1996), Anthro Mountain NE, UT (1996), Duchesne SW, UT (1964), Duchesne SE, UT (1964), Lance Canyon, UT (1996)

<u>SITES REPORTED</u>	<u>COUNT / SMITHSONIAN SITE NUMBERS</u>
Archaeological Sites	
Revisits (no inventory form update)	<u>4/ 42DC288, 42DC1607, 42DC1864, 42DC2239</u>
Updates (updated IMACS site inventory form attached)	<u>2/ 42DC288, 42DC1864</u>
	<u>1/ 42DC1607</u>
New recordings (IMACS site inventory form attached)	<u>1/ 42DC2239</u>
Total Count of Archaeological Sites	<u>4</u>
Historic Structures (USHS 106 site info form attached)	<u>0</u>
Total National Register Eligible Sites	<u>2/ 42DC288, 42DC1607</u>

- Checklist of Required Items, attached
1. ___ Copy of the final report
 2. ___ Copy of 7.5' Series USGS map with surveyed/excavated area clearly identified
 3. Completed IMACS site inventory forms
 - ___ Parts A and B or C
 - ___ IMACS Encoding Form
 - ___ Site Sketch Map
 - ___ Photographs
 - ___ Copy of the appropriate 7.5' Series USGS map with site location marked and Smithsonian site number clearly labeled
 4. ___ Completed "Cover Page" accompanying final report and survey materials

For UDSH office use only

CULTURAL RESOURCE SUMMARY REPORT (ENCODING FORM)
(Reference FSM 2360)

1 AS-06-1074 Report Number

2 Ashley NF Exploration & Development Wells EIS/U-05-UI-1440f Project Title

3 Gordon C. Tucker Jr. Author

4 FS FOREST SERVICE Institution

5 08-04-2006 Mo. Day Year

6 01 ASHLEY (01) Forest

7 04 Duchesne (04) District

8 42 UTAH State #1

State #2

9 DC DUCHESNE County #1

County #2

Table with 10 columns for map coordinates: 20.6S 0.0.4W .01.02.03.04.06

11 Map ANTHRO MTN., ANTHRO. MTN. NE, DUCHESNE SE, DUCHESNE SW, LANCE CANYON

Table with 10 columns for map coordinates: 20.6S 0.0.5W .01.02.05.06.11

12 B Investigative Type

Table with 10 columns for map coordinates: 20.6S 0.0.6W .01

13 01 Project Function

Table with 10 columns for map coordinates: 0 0

14 Total Costs

Table for Hours: 15 Travel, 16 Field, 17 Admin.

Table for Acres: 18 Project, 19 Impact, 20 Cleared, 21 Surveyed

Table for Miles Surveyed, Project Effect, Total Sites

25 USFS Site No. AS-00024

26 State Site No. 42-DC-0000288

27 1 28 1 29 P 30 O

Relation to Project In APE

AS-1461

42-DC-0001607

1 1 B O

in APE

AS-1639

42-DC-0001864

3 1 P O

In APE

AS-1865

42-DC-0002239

3 1 P N

In APE

NR Eff H/P O/N

31 Comments - Conclusions - Recommendations

The project will affect no historic properties

Author's Signature: Gordon C. Tucker Jr. Date: 8/30/06

Reviewer

Date

Reviewer

Date

Abstract

On behalf of Berry Petroleum Company (Berry), URS Corporation conducted an intensive cultural resources inventory of eight proposed gas wells and 5 miles (26,544 feet) of new or upgraded access roads in the South Unit of the Ashley National Forest, Duchesne County, Utah. One new site, a small prehistoric lithic scatter (42DC2239), was documented, and three previously recorded sites were revisited. The new site is considered not eligible for listing in the National Register of Historic Places (NRHP). Proposed access roads were rerouted around the two sites (42DC288 and 42DC1607), which have been determined eligible for listing in the NRHP. The third site (42DC1864) had previously been determined not eligible and this evaluation has not changed. Nine isolated finds were also documented in the project area. Because the project will not affect any historic properties, it was recommended that it be allowed to proceed as planned.

Table 1-1
 BERRY PETROLEUM COMPANY
 ASHLEY NATIONAL FOREST SOUTH UNIT
 PROPOSED OIL AND GAS LOCATIONS

NAME (Survey Status)	LOCATION				ROAD LENGTH (ft.)
	Township	Range	Section	Allquot Parts	
Federal 8-1-64 (pad and road)	6S 6S	4W 3W	1 6	SE NE NW NW	1,947
Federal 8-2-64 (pad and road)	6S	4W	2	NE NE	1,487
Federal 5-3-64 (pad and road)	6S	4W	3	NW NW NE NW SW NW NW NE	3,785
Federal 5-4-64 (pad and road)	6S	4W	4	SE NW SW NW NE NW NW NE	2,842
Federal 6-6-64 (pad and road)	6S	4W	6	NE NE SE NW SW NE	3,356
Federal 6-1-65 (road only)	6S	5W	1	NW NE SE NW SW NE	2,846
Federal 6-11-65 (pad and rerouted road)	6S 6S	5W 5W	11 2	NE NW SE NW SE SE NW SE NE SW SE NW	6,099
Federal 10-2-65 (rerouted road)	6S	5W	2	NW SE	723
Federal 16-5-65 (pad only)	6S	5W	5	SE SE	0
Federal 5-6-65 (pad and road)	6S 6S	5W 6W	6 1	SW NW SE NE NE NE	3,459
TOTALS					26,544

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Figure 5-6	BP-IF-4, chert biface
Figure 5-7	BP-IF-5, metal fuel can

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Appendix A	Intermountain Antiquities Computer System (IMACS) Site Forms
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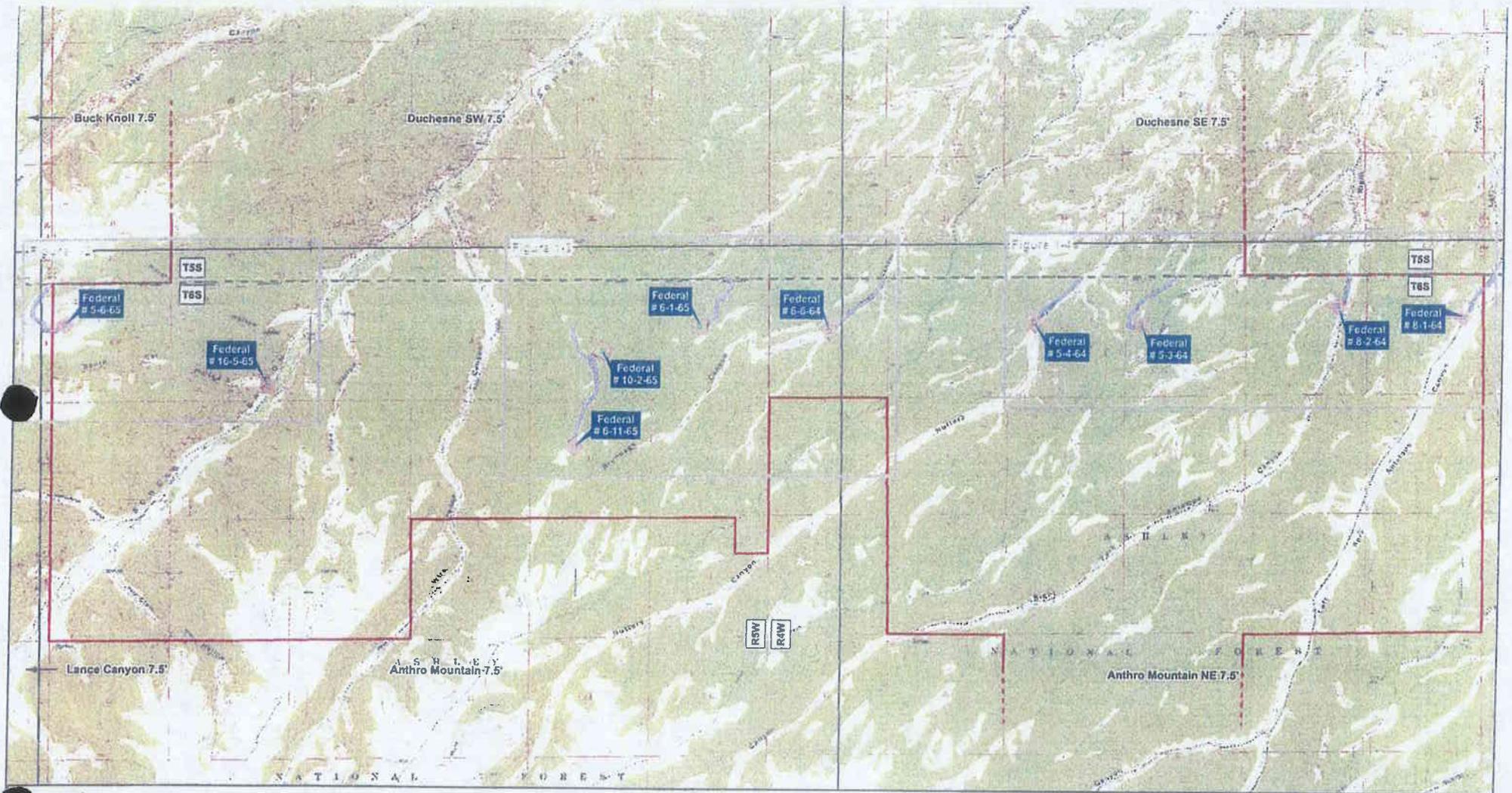
Berry Petroleum Company (Berry) proposes to drill and potentially produce from eight new oil and gas wells. In addition to the wells, Berry will build or upgrade approximately 5 miles (mi.) of access roads to these eight and two other wells, in the South Unit of the Ashley National Forest, Duchesne County, Utah. The proposed wells and access roads are found on public lands administered by the USDA Forest Service, Ashley National Forest (ANF). As a federal agency, the ANF is obligated under Section 106 of the National Historic Preservation Act (NHPA) of 1966 (P.L. 89-665, 16 U.S.C. 470 *et seq.*, as amended through 2000), and implementing regulations (36 CFR 800), to consider the effects of this project upon any historic properties, which are defined as districts, sites, buildings, structures, or objects that are included in or eligible for inclusion in the National Register of Historic Places (NRHP). The ANF required that Berry comply with the provisions of Section 106. In turn, Berry has contracted with URS Corporation (URS) to conduct all necessary cultural resources studies for the project.

The study area (hereafter, the Area of Potential Effects or APE) is defined as a combination of the following areas: (1) 10 acres surrounding each of the eight new well pads; (2) 200-foot (ft.)-wide corridors along 26,544 ft. of new or upgraded roads to seven of the eight locations; and (3) access to two previously surveyed well pads. An intensive cultural resources survey was conducted within the APE, which encompasses a total of approximately 205 acres.

The surveyed well locations and access roads are described in Table 1, and their locations are depicted on the Anthro Mountain (1996), Anthro Mountain NE (1996), Duchesne SW (1964), Duchesne SE (1964), and Lance Canyon (1996) 7.5' USGS topographic quadrangle maps (Figures 1-1 to 1-4). Six locations included both pad and access road, two locations involved just the pad, and two locations required only an access road.

The archaeological survey was conducted on May 14-18 and July 25-27, 2006. Two locations were also revisited on August 22, 2006, in the company of FS personnel and Berry representatives, with the purpose of finding access road reroutes around two NRHP-eligible sites. The project principal investigator is Robert J. Mutaw, Ph.D., Cultural Resources Team Leader for the URS Denver office. Gordon C. Tucker Jr., Ph.D., URS Senior Archaeologist, conducted the fieldwork and prepared this report, which was reviewed by Dr. Mutaw. Jeanne DeFauw and Lynne Dissette prepared the illustrations and Aileen Torres formatted the report.

This report describes the background, methods, and results of an intensive cultural resources survey of the APE. The report complies in form and contents with the Secretary of the Interior's Guidelines for Archaeological Documentation.



Legend

- Berry Leased Area Boundary
- Ashley NF Boundary
- New or Upgraded Road
- Previously Surveyed Well Pad
- Surveyed Well Pad
- * Well Location

Detail Map

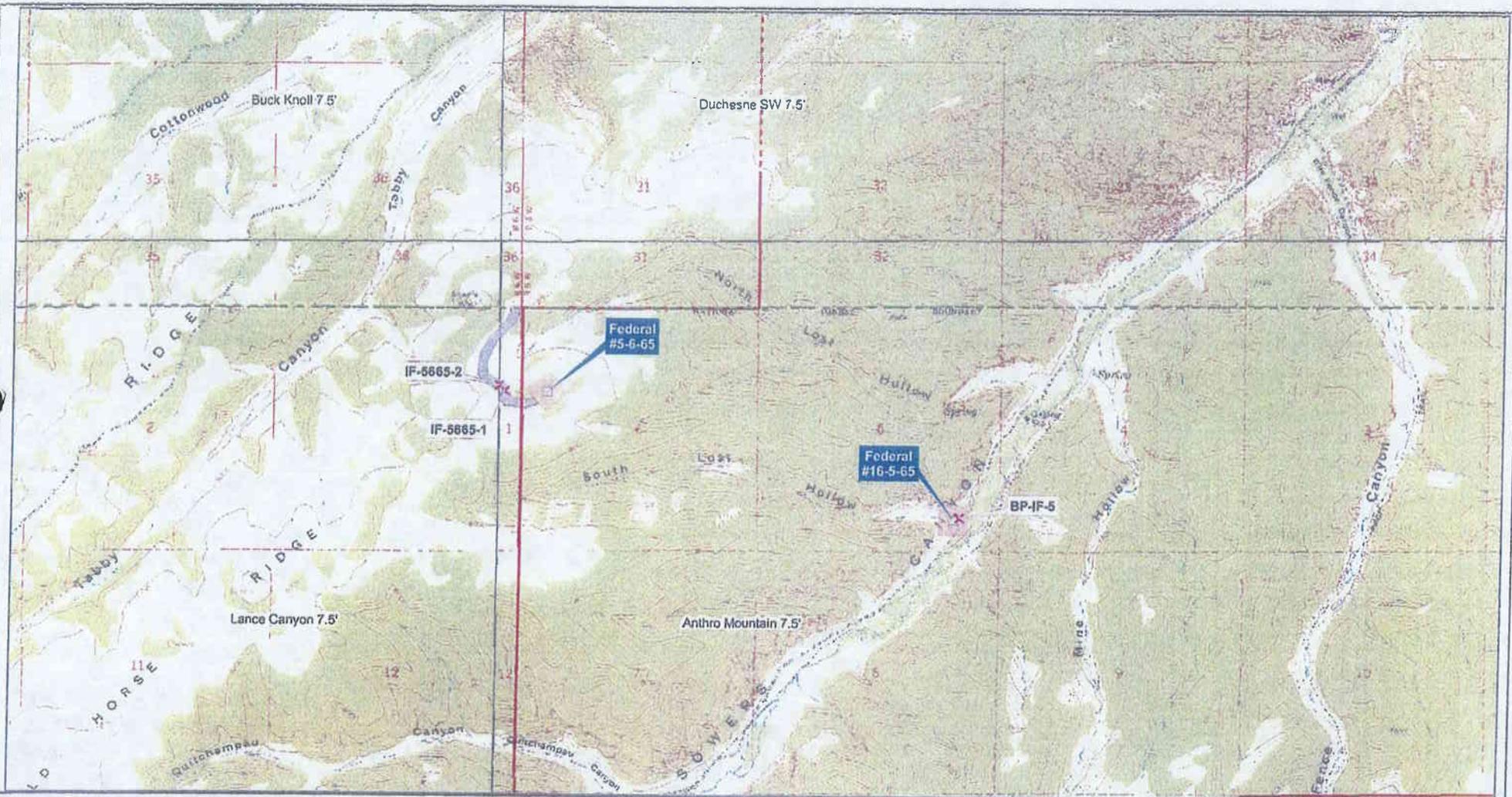
4,000 2,000 0 4,000 Feet

1 inch equals 4,000 feet

Figure 1-1.
Berry Petroleum Company
Ashley National Forest South Unit
Proposed Oil and Gas Locations

USGS 7.5' Topographic Quadrangle Maps:
 Anthro Mountain (1986), Anthro Mountain NE (1996),
 Buck Knoll (1962), Duchesne SE (1964), Duchesne
 SW (1964), and Lance Canyon (1996)

8/24/06 **URS**



Legend

- Road Survey Corridor (200 ft wide)
- Berry Leased Area Boundary
- Well Pad Survey Area (10 acres)
- Ashley NF Boundary
- Well Location
- Isolated Find

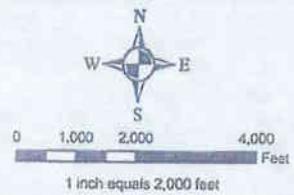
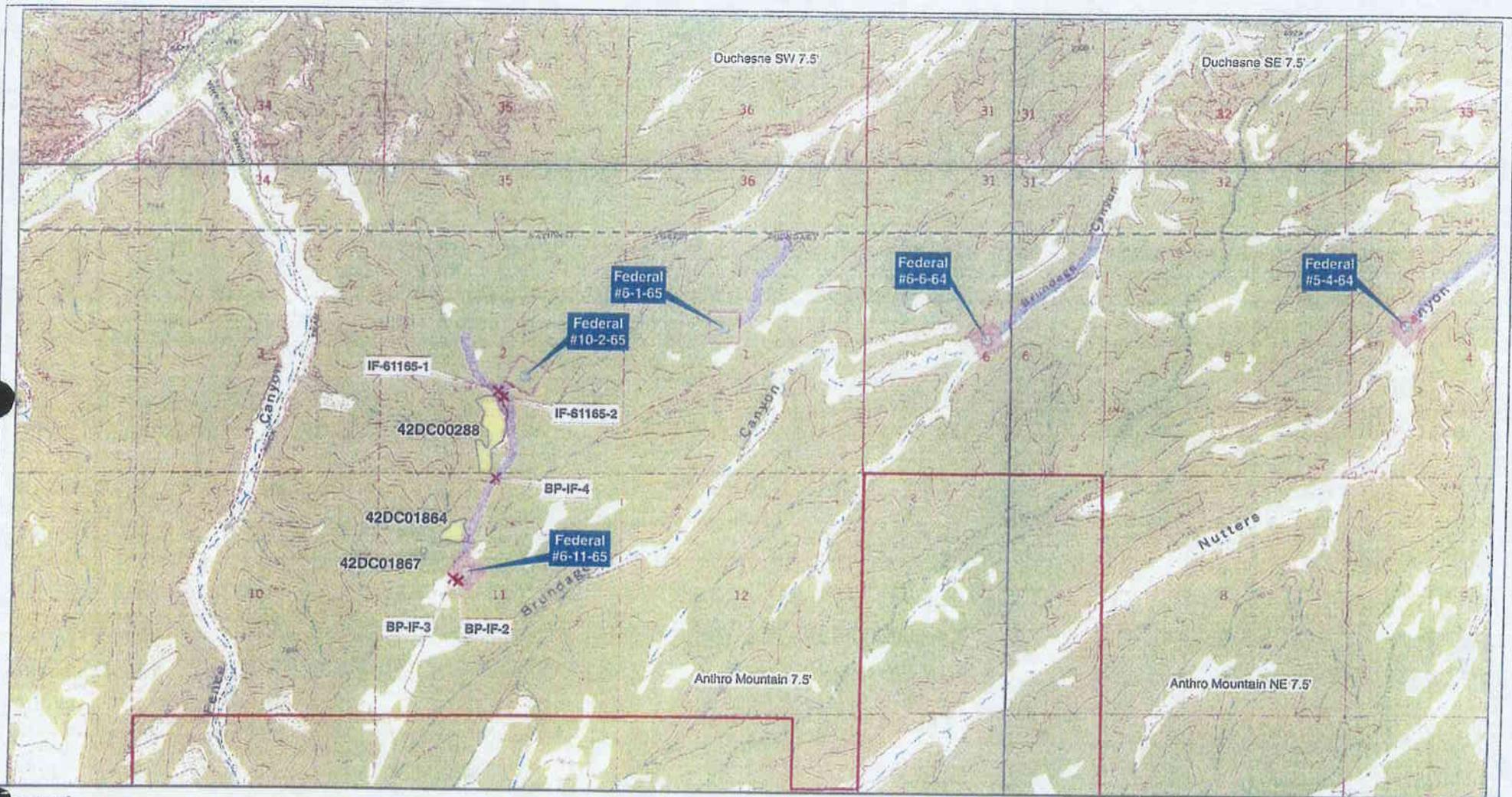


Figure 1-2. Detail Map
 Berry Petroleum Company
 Ashley National Forest South Unit
 Proposed Oil and Gas Locations

USGS 7.5' Topographic Quadrangle Map:
 Anthro Mountain (1996), Buck Knoll (1962),
 Duchesne SW (1964), and Lance Canyon (1996)

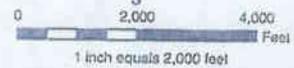
B/16/08





Legend

-  Road Survey Corridor (200 ft wide)
-  Previously Surveyed Well Pad
-  Well Pad Survey Area (10 acres)
-  Well Location
-  Isolated Find
-  Site
-  Berry Leased Area Boundary
-  Ashley NF Boundary

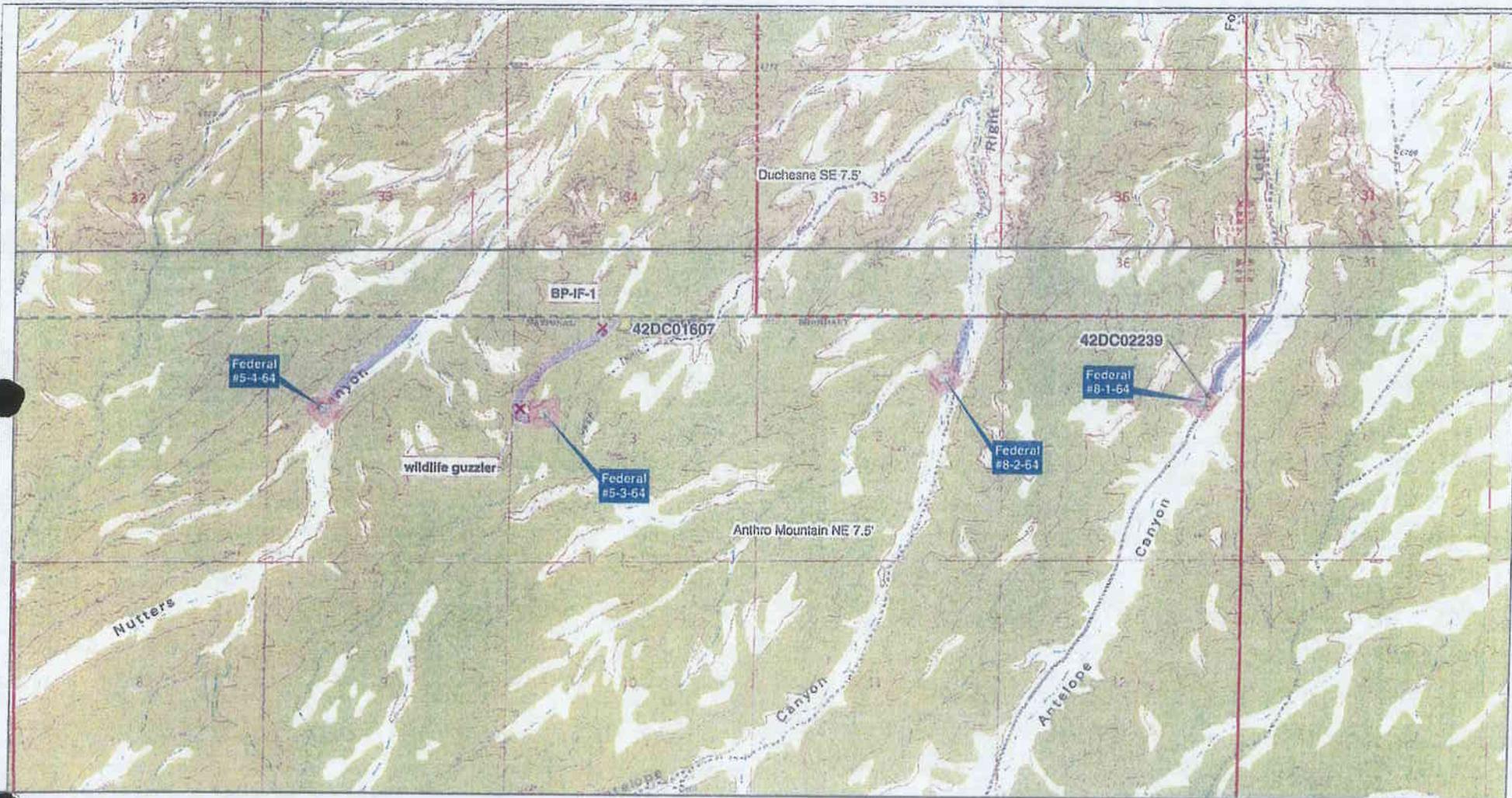


**Figure 1-3. Detail Map
Berry Petroleum Company
Ashley National Forest South Unit
Proposed Oil and Gas Locations**

USGS 7.5' Topographic Quadrangle Maps:
Anthro Mountain (1996), Anthro Mountain NE
(1996), Duchesne SE (1964), and Duchesne SW
(1964)

8/29/06





Legend

- New or Upgraded Road Survey Corridor (200 ft wide)
- Well Pad Survey Area (10 acres)
- Well Location
- Isolated Find
- Berry Leased Area Boundary
- Ashley NF Boundary
- Site

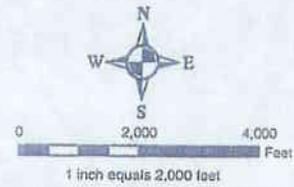


Figure 1-4. Detail Map
 Berry Petroleum Company
 Ashley National Forest South Unit
 Proposed Oil and Gas Locations

USGS 7.5' Topographic Quadrangle Maps:
 Anthro Mountain NE (1996) and
 Duchesne SE (1964)

8/30/05



Human use of an area, today and in the past, is conditioned to a large extent by environmental parameters. The environment does not determine how and to what extent human groups will respond; rather, it provides opportunities for, and imposes constraints upon, human behavior, ameliorated to a greater or lesser extent by culture. To understand how human groups in an area adapted to a local situation, we must first understand the regional environmental milieu. A description of the present environment is followed by a discussion of past regional environmental conditions.

2.1 PRESENT ENVIRONMENT

The project area is located south of the Uinta Basin, in the Tavaputs Plateau section of the Colorado Plateau physiographic province (McNab and Avers 1996). The underlying geological strata rise gradually upward south from the center of the Uinta Basin (McNab and Avers 1996), such that the area is distinguished by dipping ridge tops and deeply incised canyons (Loosle and Estes 2004). The area is underlain by approximately 20,000-25,000 feet of sedimentary deposits, which include Paleozoic to Late Cenozoic age marine and continental limestones, sandstones, and shales. Oil shale and other hydrocarbon deposits are found in the Cenozoic age Green River shales (Hintze 1980; Moyle 1981; Murphy 1981a).

Duchesne County is generally characterized by a semiarid to arid continental climate with four well-defined seasons. As measured at Duchesne, Utah, for the period 1906-2005, the average annual maximum and minimum temperatures are 60.4°F and 29.8°F, respectively (WRCC 2006). Summers are mild with occasional hot spells and most summer precipitation is associated with thunderstorms. Winters are cold but usually not severe. The average total annual precipitation is 9.51 inches, and August (1.23 inches) and November (0.53 inches) are the wettest and driest months, respectively. The average annual snowfall is 25.7 inches, more than 80 percent of which falls during December through March. The average growing season (the number of days between the last freeze in the spring and the first freeze in the fall, at a daily minimum temperature of 32°F) is 113 days (United States Department of Agriculture [USDA] 1959).

The project area is located within the juniper-pinyon and big sagebrush association of the Upper Sonoran life zone. Juniper, pinyon, black sagebrush, mountain brush, and various grasses historically dominated the endemic vegetation communities (McNab and Avers 1996). Willows and cottonwoods grow in the riparian zones, and pockets of Douglas fir are found on north-facing slopes in some areas. Following settlement by European-Americans in the mid-nineteenth century, many locations in the area have been cultivated with hay grasses and alfalfa (Murphy 1981b; USDA 1959).

Mammals currently or historically known to inhabit the area include moose, elk, mule deer, pronghorn antelope, black bear, cougar, bobcat, coyote, beaver, raccoon, fox, prairie dog, mink, and muskrat. Avifauna commonly seen in the area include bald and golden eagles, hawks, falcons, mallards, teal, Canada goose, curlews, snipe, blue cranes, sandhill cranes, robins, swallows, blackbirds, crows, sparrows, killdeer, and meadowlarks. Native aquatic species include cutthroat trout, suckers, and chubs (Barton 1998).

Soils in the general area developed in a semiarid to arid, continental climate (Wilson 1959: 7). They are low in organic matter and nitrogen but are high in minerals. Soil colors (dry) range from light brown to yellowish brown or very pale brown.

2.2 PALEOENVIRONMENT

Mehring (1986) provides a comprehensive overview of prehistoric environments in the Great Basin province, which includes all of Utah. This overview is briefly summarized below.

Climatic events during the late Pleistocene and early Holocene epochs worked together to create the modern landscape. Most significantly, pluvial (increased rainfall) episodes, which are attributable to moist-cool climatic conditions, filled what are now dry and salt-encrusted basins with large freshwater lakes, which were joined by great fish-filled rivers. The largest of these pluvial lakes were Lake Lahontan in western Nevada and Lake Bonneville in western Utah and eastern Nevada. At approximately 14,000 B.C., the depth of Lake Bonneville had expanded to more than 900 ft. above the present level of its modern remnant, the Great Salt Lake. Following catastrophic downcutting and the waning of continental and mountain glaciers, lake levels had fallen to the same elevation of Great Salt Lake by 9000 B.C. Thereafter, as the regional climate fluctuated between warm-dry and cool-moist conditions, the lake levels waxed and waned. The strandlines of these ancient lakes are now clearly visible on the flanks of the hills and mountains that surround the Salt Lake valley.

The abundance and distribution of plants, animals, and aboriginal populations reacted in concert with these climatic variations. The now treeless deserts were filled with woodlands, and herds of camels, horses, and mammoths grazed the steppes and fertile marshes. As the lakes shrank, rivers ceased to flow, springs dried, and plants and animals migrated northward and upwards to higher elevations. Humans were obliged to some extent to follow these resources upon which they were very much dependent. As the trend towards aridity continued, plants and animals continued to adjust their ranges. Reduced effective moisture and higher temperatures prevailed until ca. 2000 B.C. The next millennia witnessed a return to cooler and moister conditions: the rains returned with regularity, and lakes and marshes again dotted the basin floors. Shrubs such as sagebrush and shadscale retreated to lower elevations and south as grass and woodland communities advanced downslope. A warm-dry episode prevailed from the early A.D. 1100s to the early 1400s, which followed 100 years of warm-moist conditions and preceded cool-moist conditions that lasted until the early A.D. 1600s. Essentially modern conditions have existed since then.

Paleoclimatic reconstructions for northeastern Utah are based upon data obtained from several bogs in the Uinta Mountains and from archaeological excavations in the Dutch John area (Johnson and Loosle 2002: 5-6). The record shows that between 8000 and 6600 years before present (BP), climatic conditions were cooler than today. Through the last half of the Middle Holocene (before 4800 BP), the regional climate was generally warm and dry, peaking at ca. 4700-3400 BP. Effective moisture levels were generally greater than today until ca. 1700 BP, after which time warmer and drier conditions prevailed. Colder conditions, probably with increased effective moisture, returned ca. 550 BP and continued for the next 400 years.

3.1 CULTURAL HISTORY

Humans have occupied Utah for at least 11,000 years, and perhaps longer (Jennings 1986). This lengthy span of occupation can be segregated into prehistoric and historic eras. A general review of the prehistory and history of the Uinta Basin and the Tavaputs Plateau areas of northeastern Utah has been prepared by Spangler (1995). A summary of this overview is provided below, augmented by additional information from other sources, such as *Prehistoric Uinta Mountain Occupations* (Johnson and Loosle 2002), *History of Duchesne County* (Barton 1998), and site reports for 42DC316 (Stertz and Loosle 2006), 42DC317 (Murphy and Loosle 2006), 42DC1210 (Estes and Loosle 2006), 42DC1211 (Loosle 2005), and *Anthro Mountain: 42DC1424* (Loosle and Estes 2004).

3.1.1 Prehistoric Era

The cultural chronology of northeastern Utah is summarized in Table 3-1. This chronological sequence serves principally as an organizing device rather than depicting marked cultural change. The Tavaputs Plateau and Uinta Basin lie on the periphery of three large cultural/geographic regions: the Southwest, Great Plains, and Great Basin. The first occupants of the area were variably influenced by the cultural traditions and economic adaptations of these three areas.

**Table 3-1
CHRONOLOGICAL SEQUENCE
FOR NORTHEASTERN UTAH***

Episode	Age Range
Paleoindian Era	ca. 10,000—6000 B.C.
Archaic Era	6000 B.C.—A.D. 1
Early Archaic Period	6000—2000 B.C.
Late Archaic Period	2000 B.C.—A.D. 1
Late Prehistoric Era	A.D. 1—A.D. 1776
Uinta Fremont Period	A.D. 1—A.D. 1600
Protohistoric Period	A.D. 1650-1776
Historic Era	AD 1776—present

*Source: Reynolds et al. (1983); ANF (2005a, 2005b).

Paleoindian people have been characterized as highly mobile, subsisting on now-extinct large animals such as mammoth and large bison, which were dispatched with spears and atlatl darts (ANF 2005a). The artifactual hallmarks of this era are finely worked projectile points, such as Clovis, Folsom, Agate Basin, Midland, Medicine Lodge Creek, and various unnamed lanceolate and stemmed points (ANF 2005a). No Paleoindian projectile points have been recovered in stratigraphic or chronometrically controlled context in the region. They have typically been found on the surface of sites, usually in mixed contacts (ANF 2005a). Because of the paucity of

SECTION THREE

Cultural History and Previous Research

sites containing stratified deposits of possible Paleoindian age, very little has been postulated as to Paleoindian lifeways in the region (Spangler 1995).

The advent of a more balanced foraging strategy that included the intensive processing of floral resources and the procurement of smaller game animals heralds the start of the Archaic era. Archaic groups were generally less mobile and areally restricted than Paleoindians (ANF 2005a). Group movements were based on the seasonal availability of edible plants and animals. In higher elevations, such as the Tavaputs Plateau, plant and animal resources peaked at different times of the season, and indigenous groups could exploit this extended period of availability by moving from one ecozone to another. By winter, however, most of these groups were encamped in the lowlands. Typical artifacts and features include stemmed, corner-notched, and side-notched projectile points; groundstone; scrapers; basketry; rock-lined storage and thermal features; relatively substantial brush structures with internal hearths and pits, which were occupied in the late summer or fall; and activity areas (Loosle and Johnson 2003).

The ANF has divided the Archaic era into Early and Late periods. The Early Archaic period is represented by several dozen sites in the Uinta Basin and Tavaputs Plateau, from which temporally diagnostic projectile points have been recovered. Early Archaic components at Dutch John, on the northern flank of the Uinta Mountains suggest late summer or fall occupations, focused on the procurement and processing of plant seeds and the hunting of deer and mountain sheep (ANF 2005a). During the Late Archaic period, the appearance of slab-lined basins in open settings and the replacement of large side-notched points with Elko series corner-notched points suggest the adoption of a highly mobile strategy focused on late winter or early spring processing of roots, tubers and possibly cactus pads (ANF 2005a; Loosle and Johnson 2003).

Approximately 2,000 years ago, with the advent of auspicious regional climatic conditions, indigenous groups adopted a more sedentary lifestyle and cultivated crops such as maize and squash. In the ANF, these changes are encapsulated as the Late Prehistoric era. Aboriginal farming groups that inhabited Utah north of the Ancestral Puebloan area are collectively known as the Fremont culture. Marwitt (1970) has defined five regional variants, including the Uinta Fremont, which represents Fremont occupation in northeastern Utah (Johnson and Loosle 2002). Hallmarks of the Fremont tradition include the bow and arrow, corn cultivation, and ceramics. Limited agriculture was added to the subsistence strategy of the Uinta Basin occupants, although hunting and gathering remained important. Uinta Fremont sites are typically small settlements in the lowlands, consisting of one to five shallow pit structures. Linked to these lowland residences are upland sites, which are characterized by short occupational duration, fall season visits, Rose Spring corner-notched arrow points, brush structures, targeting of specific resources, and emphasis on large game (Loosle and Johnson 2003). Limestone-tempered ceramics (Uinta Gray ware), specialized groundstone types, and aboveground storage features were later added to this assemblage. Upland Fremont sites—such as 42DC316, Gilsonite Ridge Rockshelter (42DC317), 42DC1210, 42DC1211, and Anthro Mountain (42DA1424)—demonstrate that people were tethered to lowland sites and reflect a collector strategy that focused on the acquisition of a limited number of patchy resources such as large mammals and Cheno-ams (Loosle and Johnson 2003).

Numic-speaking groups occupied the Uinta Basin and adjacent regions at the time of European contact. The Ute occupied the region south of the Yampa and Green Rivers, and Shoshone people north of there. Ethnographic documents indicate that the Green River was the dividing line between Eastern Utes and Western Utes. The antiquity of the Ute in the Uinta Basin is

unknown, although it is generally held that they have been in the Basin since the thirteenth or fourteenth century AD. Intermountain Ware pottery, side-notched projectile points, and wikipups in juniper and pinyon groves document the presence of the Shoshone. The artifact assemblage of the Ute/Shoshone period includes glass trade beads, steatite pipes, metal projectile points, horses' tack, and rock art with horse motifs (Reynolds et al. 1983). Evidence for this Protohistoric period on the ANF is at best scanty, limited to surface finds of Desert Side-notched points and brownware ceramics (Johnson and Loosle 2002).

3.1.2 Historic Era

Although Spanish explorers may have visited northeastern Utah in the late 1600s, the Dominguez-Escalante expedition in 1776 is the first well-documented account of European presence in the Uinta Basin. Traveling north from New Mexico and southern Colorado, they passed through Douglas Canyon in west-central Colorado to the White River, and camped near present-day Rangely, Colorado. Moving northwest to the Green River, the party stopped at a spot near present-day Duchesne, Utah, and continued westward to Utah Lake. The party returned to Santa Fe in early 1777 (Barton 1998; Reynolds et al. 1983).

The next major European influence came with the arrival of the fur trappers and traders. In the early 1800s, the Green River basin in Wyoming and northern Utah was being intensively explored and trapped. By 1824, trappers Etienne Provost, Antoine Robidoux, and William Huddard were leading companies that actively trapped and traded for furs in the basin. William Ashley arrived the following year and established two new traditions in the fur business. Instead of trading furs with Indian trappers, he proposed that European trappers do their own work and be paid for the number of pelts brought in. He also established the rendezvous system, in which supplies were brought annually to an agreed-upon location where they could be purchased with furs. Ashley sent out parties in 1822, 1823, and 1824, but not until the spring of 1825 was the Green River in Wyoming reached (Barton 1998; Reynolds et al. 1983).

Government-sponsored exploration of the Louisiana Purchase and other parts of the west began with the Lewis and Clark expedition in 1804-1806, and continued until 1876. The main purpose of these various expeditions was to determine the usefulness of the land. Of the several accounts, John C. Fremont's reports were the most informative. He was instructed to find and map trails to Oregon and California to aid the settlement of the west. Fremont's group visited northeastern Utah in 1844. Kit Carson guided a third Fremont army expedition from the Arkansas River to California, and the party traveled west along the White River to the Green River (Reynolds et al. 1983).

By 1870, cattle raising in the west had become a major economic activity; stockmen were supplying military posts and the new settlements. When the railroad was completed, cattle could be shipped out of the area to major market centers. Despite heavy losses during especially harsh winters, the cattle industry boomed. Between 1878 and 1885, the range overflowed with cattle. By 1887-1888, the market was flooded and prices sharply dropped. In the late nineteenth century, cattle management improved when smaller herds were provided with more shelter and supplemental feed (Reynolds et al. 1983). One of the more successful ranchers at this time was Preston Nutter, who secured a grazing lease of more than 665,000 acres on the Uintah Indian Reservation in the early 1890s (Bailey 2004; Barton 1998). The Nutter Ranch headquarters was located in Nine Mile Canyon, approximately 10 mi. south of the project area, but his cattle

ranged across public lands from Blue Mountain on the Colorado-Utah border to the west Tavaputs Plateau.

Sheep raising became more prevalent in the early twentieth century and conflicts arose between the two industries everywhere in the western grasslands. Wool sales were a major source of income for stockmen in the Uinta Basin (Reynolds et al. 1983).

Cattle ranching on lands marginal for farming was a widespread practice in both northeastern Utah and northwestern Colorado. The discovery of various minerals in the same area gave added impetus to the quest for exploitation of Indian-held lands. Many conflicts arose between Europeans and the Uintah Ute Indians in western Uintah County. Continued conflict between Indians and Europeans led to the establishment of several forts—Fort Thornburgh in 1881 and Fort Duchesne in 1886—and the stationing of federal troops until 1910. Various strategies for settling the “Indian problem” ultimately led to the removal of the Utes to reservations with only sporadic and usually unsuccessful attempts to compensate them for their losses of lands and resources (Barton 1998; Reynolds et al. 1983).

The opening of the Ute reservation to European settlement initiated animosity among the Indians, Mormons, and non-Mormons of the region. The Indians did not want European settlement on their lands and the Mormons and non-Mormons both believed that the other would receive preferential treatment. Of the original three million acres set aside as the Uintah Reservation, one million became available to homesteaders (Barton 1998).

At the same time that cattle ranching was flourishing on grasslands, and settlers were farming small fertile tracts near streams, another boom was occurring in the more barren oil shale lands of western Colorado and eastern Utah. Gilsonite was discovered in the 1870s and was successfully mined in several areas of Duchesne and Uintah Counties (Barton 1998; Reynolds et al. 1983).

The Uinta Forest Reserve was created by Grover Cleveland on February 2, 1897 (DeMoisy, Jr. n.d.). On July 15, 1905, President Theodore Roosevelt, by proclamation, added part of the area within the Uintah Indian reservation to the Uinta Forest Reserve. By executive order on July 1, 1908, President Roosevelt created the Ashley National Forest from that portion of the Uinta Forest Reserve east of the Rock Creek and Smith Fork drainages (DeMoisy, Jr. n.d.). The first Supervisor of the newly created Ashley National Forest was William M. Anderson (Anderson n.d.; Bailey et al. 2003; DeMoisy, Jr. n.d.). In his autobiography, Anderson (n.d.) describes the boundary line surveys he made in 1905 and 1906 in the southeast portion of the forest reserve, including Antelope and Sowers Canyons. Upon reaching the ridge west of Sowers Canyon, he was surprised to find “three large fields fenced and cross-fenced...[which] weren’t of recent construction” and had not been patented (Anderson n.d.). He subsequently learned that the person who controlled these lands was Preston Nutter, with whom he later had a tense confrontation. Anderson resigned from the Forest Service in 1921 and eventually moved to Glenwood Springs, Colorado, where he died in 1953 (Bailey et al. 2003).

3.2 PREVIOUS RESEARCH

Surveys previously conducted in or near the project area are listed in Table 3-2. The project number, in the first column, is encoded as follows: “AS” refers to the Ashley Forest, the next two digits describe the year in which the survey was conducted, and the last five digits denote the

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sequential number for the project. With one exception, a water pipeline, all of these previous projects were conducted for energy development, Forest Service prescribed burns, and Section 110 purposes (which describes the Federal agency's responsibility for identifying and protecting historic properties and avoiding unnecessary damage to them). Most (slightly less than half) of the projects were completed in 2004; the remaining projects were respectively conducted in 1974, 1975, 1993, 1997, 2000, 2001, and 2003.

**Table 3-2
PREVIOUS SURVEYS IN THE PROJECT AREA**

PROJECT NO.	LOCATION			PROJECT	COMPANY OR AGENCY*
	Township	Range	Section(s)		
AS-74-00003	6S	4W	3	Anthro Mountain Chaining	ANF
		5W	1,2,11		
AS-75-00008	6S	5W	4,5,8	Sowers Canyon Re-vegetation	ANF
AS-93-00715	6S	4W	5,6	Nutter's Canyon Water Pipeline	MAC
AS-97-00820	6S	5W	4,4,8	Cottonwood Drift Fence	ANF
AS-00-00880	6S	5W	2	Big Game Guzzler	ANF
AS-00-00885	6S	4W	6	Brundage Canyon Prescribed Burn	ANF
		5W	1,11,12		
AS-01-00918	6S	5W	1,2,4	Barrett Resources Well Pads, Access, and Pipeline	AIA
AS-03-00963	6S	4W	2,3,4,9,10	Nutter's Canyon (South Unit) Survey	ANF
AS-04-00995	6S	5W	3,10	Berry Petroleum Well Pads, Access, and Pipeline	AIA
AS-04-01003	6S	4W	4,5,8	Nutter's Canyon Sagebrush Burn	ANF
AS-04-01004	6S	5W	3,10	Wire Fence Fuels	ANF
AS-04-01006	6S	4W	5,6	Nutter's Ridge Prescribed Burn	ANF
AS-04-01013	6S	5W	2,11	Wire Fence Canyon Inventory	ANF
AS-04-01017	6S	4W	1,3,4,8,9,11, 12,14,17	Samson Resources 2-D SEAmic Project	SWCA
		5W	4,5,7,8,9,11, 16,18		

*Abbreviations: SWCA, SWCA Environmental Consultants; ANF, Ashley National Forest; MAC, Metcalf Archaeological Consultants; AIA, An Independent Archaeologist.

Eleven sites have been recorded in or near the proposed well locations (Table 3-3). Each site has two numbers: the first is the Smithsonian Trinomial designation ("42" for Utah, "DC" for Duchesne County, and a sequential number) assigned by the Utah Division of State History, and a sequential number assigned by the ANF. With one exception, the ANF recorded all of the sites between 2003 and 2005. The ANF originally recorded Site 42DC288 in 1979, and re-recorded it in 2004. Seven of the sites are prehistoric in age and cultural affiliation, and most are lithic artifact scatters of varying sizes and densities. Some sites also exhibit evidence of fire features. These sites probably reflect seasonal encampments, occupied by people whose primary residence was in the lowlands of the Uinta Basin. The age(s) of the historic sites is also unknown, but probably date no earlier than the late nineteenth century when the region began to be settled. The presence of drivelines, corrals, and campsites suggest that the area was primarily used for cattle ranching.

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**Table 3-3
KNOWN CULTURAL RESOURCES IN THE PROJECT AREA**

SITE NO. (AGENCY NO.)	LOCATION			SITE TYPE	RECORDING DATE(S)	RECORDER	NRHP ELIGIBILITY
	Township	Range	Section(s)				
42DC288 (AS-24)	6S	5W	2	Prehistoric lithic scatter	3/1/1979 8/24/2004	ANF	Eligible
42DC1607 (AS-1461)	6S	4W	3	Multi-component	7/29/2003	ANF	Eligible
42DC1608 (AS-1462)	6S	4W	3	Historic	2/4/2004	ANF	Eligible
42DC1609 (AS-1463)	6S	4W	2,3	Historic	2/4/2004	ANF	Eligible
42DC1610 (AS-1464)	6S	4W	3	Multi-component	2/4/2004	ANF	Eligible
42DC1611 (AS-1465)	6S	4W	10	Prehistoric	2/4/2004	ANF	Not Eligible
42DC1613 (AS-1467)	6S	4W	3	Multi-component	2/4/2004	ANF	Eligible
42DC1614 (AS-1468)	6S	4W	2,3	Multi-component	2/4/2004	ANF	Eligible
42DC1615 (AS-1469)	6S	4W	2	Mutli-component	2/4/2004	ANF	Eligible
42DC1864 (AS-1639)	6S	5W	11	Prehistoric lithic scatter	8/22/2004	ANF	Not Eligible
42DC1867 (AS-1642)	6S	5W	11	Prehistoric lithic scatter	8/24/2004	ANF	Not Eligible

One archaeologist walked multiple parallel transects, spaced no more than 15 m apart, across a 10-acre area encompassing the staked well locations. For the access roads, the archaeologist walked four transects, spaced 15 m apart, within a 200-ft.-wide staked corridor. A Trimble® GeoXT™ handheld GPS receiver was used to determine with submeter accuracy the real-time and post-processed location of each well centerstake and access road.

As he walked, the archaeologist carefully inspected the ground surface for any evidence of past, patterned human activity, 50 years or older. When visible, road cuts and ravine walls were closely inspected for buried cultural evidence. In general, the wells and roads placed in the canyons are found in geomorphological settings that are subject to active erosion and deposition, while locations on the ridges are more conducive to the conservation of cultural resources.

When cultural evidence was encountered, the area around the original discovery was reconnoitered to determine if it was a site or an isolated find. A site is defined as a discrete locus of two or more artifacts, or one or more cultural features, in close proximity (less than 10 m). An isolated find (IF) consists of one artifact, unassociated with any other cultural manifestations. The Trimble® receiver was used to determine the location of each site and IF. Sites were mapped in plan view, described, and photographed, while the IFs were simply described and sketched (or photographed). The plan view map depicted natural landmarks and the areal extent of all artifacts and features. Black-and-white and digital photographs were taken to illustrate the site setting. If features were present, then closer views were photographed.

The eligibility of the site or IF for listing in the NRHP was evaluated in the field. An IF is generally considered to be not eligible for the NRHP. The integrity of each site was assessed first, integrity defined as “the ability of a property to convey its significance.” (Townsend et al. 1993: 17). The NRHP criteria recognize seven aspects or qualities that, in various combinations, define integrity: location, design, setting, materials, workmanship, feeling, and association. Once the integrity of a property was assessed, then its eligibility for listing in the NRHP was evaluated according to the criteria described at 36 CFR 60.4:

The quality of significance in American history, architecture, archeology, engineering and culture is present in districts, sites, buildings, structures, and objects that possess integrity ...and that

- a. are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. are associated with the lives of persons significant in our past; or*
- c. embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or*
- d. have yielded, or may be likely to yield, information important in prehistory or history.*

Three sites were revisited and re-evaluated, one new site was recorded, and eight IFs were documented in the APE. These resources are briefly described below.

5.1 PREVIOUSLY RECORDED SITES

5.1.1 42DC288

This prehistoric site is a large scatter of lithic debitage, numbering in excess of 2,300 flakes. Five bifaces, three projectile point fragments, one blade fragment, and a chert core were also noted. One of the points has been identified as an Elko Corner-notched variety. The lithic materials are fashioned of several material types, including chert, quartzite, obsidian, and chalcedony. Charcoal and fire-cracked rock fragments were also observed on the site. These materials appear to represent multiple episodes of occupation, dating to perhaps the Archaic era, focused on lithic manufacture and/or maintenance and the procurement of faunal and floral resources.

The site is located on top of a narrow ridge between Wire Fence Canyon to the west and Brundage Canyon to the east. Vegetation is sparse, consisting of scattered pinyon and juniper trees, low sagebrush, and grasses.

The site was originally recorded in 1979 by ANF personnel and was reported to consist of "several small areas of chips spread over a rather large area." ANF personnel revisited the site in 2004 and expanded considerably the site boundaries and assemblage size. It was determined to be eligible for the NRHP. An existing two-track road will be upgraded for access to the Federal 6-11-65 well location. The URS archaeologist flagged a new road to the east so as to bypass the site. FS personnel and representatives from Berry and Uintah Engineering (the land surveying contractor) accompanied the URS archaeologist on a revisit to the site in August 2006 to adjust the centerline of the access road so that it completely avoided the eastern edge of the site.

5.1.2 42DC1607

This multi-component site contains a medium-sized scatter of lithic debitage and two historic can lids. Besides flakes, all of which are made of chert and occur in several dense scatters across the site, a complete mano made of Uinta quartzite and two chert bifaces were found on the site. The mano is associated with a soil stain underneath a rock overhang at the south end of the site. Two rectangular hole-in-top can lids are found at the northern edge of the site, near the ANF boundary. The materials present appear to represent several episodes of occupation, of which the earliest components were focused on lithic manufacture and/or maintenance and the procurement of faunal and floral resources. The can lids document a more intermittent use of the area by historic inhabitants, perhaps cattle ranchers, during the early part of the twentieth century (ca. 1908-1920) when land ownership had not yet been clearly established.

The site is located on top of a narrow, gently sloping ridge that overlooks an unnamed ephemeral drainage to the south. The predominant vegetation is open pinyon-juniper woodland, with scattered low sagebrush, rabbitbrush, mountain mahogany, *ephedra*, and forbs.

During the site revisit, a Forest Service (FS) bearing tree was documented (Figure 5-1). It is a mature pinyon tree, 5 ft. north of the FS boundary, on which are found two blazed areas and a metal plate that identifies this as a Bearing Tree. The upper and larger blaze is 22 inches long and 6 inches wide, inscribed with "1 / 4 S 3 4," which clearly denotes its location (i.e., the quarter section marker of Section 34). The smaller blaze is positioned 8 inches below the top blaze, measures 9 inches long and 6 inches wide, and is inscribed "B 11." This latter inscription may be a survey number. The metal plate, positioned above the blazes, reads as follows:

**"BEARING TREE. CORNER IS APPROXIMATELY 19th [at] S79°W.
T.5S R.4W SEC. 34 CORNER S¼ TRACT. POSTED BY [no name] DATE 1983."**



Figure 5-1. Forest Service Bearing Tree on 42DC1607

According to Almendinger (1996), "Bearing trees are a special kind of witness tree which the surveyors notched, blazed, and scribed in a standard way to facilitate the relocation of the survey corner should the wooden corner post or corner stone be lost or moved." The actual monument is a short section of aluminum pipe with aluminum cap, set in a small pile of 6-8 native sandstone rocks. According to its inscription, it was set in 1983, which matches the date on the metal plate attached to the tree. A slightly larger pile of approximately 20 sandstone rocks is 2 ft. north of the monument and may be the original monument marker (Figure 5-2). The General Land Office (GLO) field notes indicate that the quarter section monument was initially established in 1893. It is possible that the witness tree was first blazed at that time.



**Figure 5-2. Forest Service corner monument (left).
Pile of stones at right may be the original (1893) monument.**

ANF personnel recorded the site in 2003 and determined that the site was eligible for the NRHP. The access road was proposed to cross the southern edge of the site. The FS believed that this route was an unnecessary intrusion onto this NRHP-eligible site and recommended that it be rerouted. On August 22, 2006, the URS archaeologist revisited the site with FS personnel and representatives from Berry and Uintah Engineering (the surveying contractor) and flagged a new section of the access road around the northern edge of the site, thereby bypassing it.

5.1.3 42DC1864

This prehistoric site is a small scatter of lithic debitage, with nearly 60 flakes and three prepared tools, in an area of approximately 5 acres. The flakes are made from two varieties of chert, one of which at least is locally derived. The tools consist of two chert bifaces and a chert projectile point. The projectile point is the basal portion of a side-notched variety with concave base. It resembles a Late Archaic period dart point. This assemblage of artifacts suggests a short-term campsite whose inhabitants concentrated on the procurement of faunal resources.

The site is located on top of a narrow ridge between Wire Fence Canyon to the west and Brundage Canyon to the east. Most of the site area appears to have been recently chained, the predominant vegetation being scattered low shrubs, forbs, and grasses. A relict pinyon-juniper woodland forms the eastern boundary of the site.

The site was originally recorded in 2004 by ANF personnel and determined to be not eligible for the NRHP due to lack of integrity. An existing two-track road that skirts the eastern edge of the site will be upgraded for access to the Federal 6-11-65 well location. During the survey of the road segment, several artifacts, including a stemmed-indent base point, were located just west

of the road. These finds substantiate the previous interpretations that the site was inhabited during the Archaic era and the site inhabitants focused on hunting local fauna. No artifacts were found east of the access road and the site boundary appears to end at the road. No evidence was found that would suggest the site is eligible for the NRHP. Upgrading the road should have little or no impact upon the site, which continues several hundred feet west of the road.

5.2 NEW SITE

One new site (42DC2239) was discovered within the survey area surrounding the Federal 8-1-64 well location, 11 m east of the Left Fork Antelope Canyon road. The site was originally discovered by ANF personnel, but recorded by the URS archaeologist. It is a very small scatter of lithic materials, located in a level open area on the first terrace of the creek. The assemblage consists of six artifacts: four pieces of debitage (three primary flakes and one secondary flake), all made from the locally available South Unit chert; one tabular fragment of South Unit chert, which shows bifacial use wear along one edge; and the base of an Archaic stemmed indented base projectile point (C. Johnson, personal communication, July 2006). The geomorphological context, which manifests extensive deposition and erosion, would suggest that the cultural materials have either been re-deposited or are relatively young. In either case, it is highly unlikely that the site contains significant buried deposits. Further details about this site are provided on the Intermountain Antiquities Computer System (IMACS) Site Form, included in the Appendix.

5.3 ISOLATED FINDS

5.3.1 BP-IF-1

This find consists of two soldered cap cans that probably contained evaporated milk (Figure 5-3). Both cans measure 3 inches in diameter and 4-½ inches tall, which is a No. 2 can (Kirkpatrick and Duran 1981: Table 8). Two narrow holes have been punched, probably with a knife, on opposite sides of the top of each can. This opening confirms that the cans held liquid contents. The cans were found approximately 18 ft. apart on a gentle (10°) slope of a narrow ridge east of Nutters Canyon, along the proposed access road to the Federal 5-3-64 well location.



Figure 5-3. BP-IF-1, evaporated milk cans.

5.3.2 BP-IF-2

This find is a large sanitary seal can with an open top (Figure 5-4). A short length of thin-gauge wire has been inserted in holes along the top edge and used as a handle. The can measures 6 inches in diameter and 6 inches tall. This artifact was found at the south edge of the proposed Federal 6-11-65 well location.



Figure 5-4. BP-IF-2, large metal can.

5.3.3 BP-IF-3

This find consists one piece of light green bottle glass and a wooden fence post (Figure 5-5). These items were found approximately 21 ft. apart at the southern edge of the proposed Federal 6-11-65 well location. The glass fragment measures 1-¾ inches long, ¾ inches wide, and 3/16 inches thick. It has no distinguishing marks. The post is 4 ft. 9 inches long and 2-½ inches in diameter, made from the limb of a pine tree. The butt end has been cut on a diagonal with an axe. These two items may be related to BP-IF-2, which is located only 150 ft. east. They are also located approximately 40 ft. east of an old two-track road.



Figure 5-5. BP-IF-3, glass fragment and wooden fence post.

5.3.4 BP-IF-4

This find is a thin biface, made of a yellow-brown chert (Figure 5-6). It measures 47 mm long, 30 mm wide, and 5 mm thick. It was found in a chained area along the access road to the proposed Federal 6-11-65 well location.



Figure 5-6. BP-IF-4, chert biface.

5.3.5 BP-IF-5

This find is a rusted metal container, possibly used for some automotive purpose, perhaps a fuel can (Figure 5-7). It measures approximately 6 inches square and 9 inches tall. It has a 1-inch diameter spout with a screw top and a handle. It was found on the proposed Federal 16-5-65 well location, approximately 15 ft. west of Sowers Canyon Road.



Figure 5-7. BP-IF-5, metal fuel can.

5.3.6 IF-5665-1

This find is a centerfire brass cartridge, which was found on the edge of an existing road that will be upgraded for access to the Federal 5-6-65 well location. It is a rimless/bottleneck type cartridge, with a case length of 2 inches and rim diameter of ½ inch. The neck is slightly crushed, probably from being run over by one or more vehicles on the road. "L C 62" and a cross in a circle are stamped on the base. This is the Lake City Arsenal headstamp on 7.62 mm NATO Test ammunition (Bears 1966). In 1953, the Defense Department adopted the 7.62 mm NATO cartridge as the new U.S. service cartridge, replacing the 47-year-old 30-06 cartridge (Bears 1966). The Remington Arms Co. operated the Lake City Ordnance Plant at Independence, Missouri, from 1941 to 1945. The plant reopened in 1951 and has since operated continuously to the present time, now known as Lake City Army Ammunition Plant (Frigiola 2002). The plant operations contract was reassigned to Olin-Winchester in 1985 and to Alliant Techsystems in 1999.

5.3.7 IF-5665-2

This find is a centerfire brass cartridge, which was found on the edge of an existing road that will be upgraded for access to the Federal 5-6-65 well location, approximately 40 ft. north of IF-5665-1. It is a rimless/bottleneck type cartridge, with a case length of 2-½ inches and rim diameter of ½ inch. Unlike IF-5665-1, the neck has not been crushed. "WINCHESTER 30-06 SPRG" is stamped on the base. This is the headstamp for the Winchester Repeating Arms Co., located in New Haven, Connecticut. In 1866, Oliver Winchester bought control of the New Haven Arms Company and changed the name to the Winchester Repeating Arms Company (WRA). Olin Corporation purchased WRA in 1931 and combined it with the Western Cartridge Company. In 1981, the U.S. Repeating Arms Company (USRAC) was formed and continued to manufacture Winchester brand rifles and shotguns in New Haven, under license from Olin Corporation. In 1989, USRAC was taken over by Fabrique Nationale de Herstal (FN), a Belgium based international group producing firearms. Finally, in early 2006, it was announced that the plant in New Haven would close (Wikipedia 2006). The 30-06 Springfield cartridge was the standard military cartridge until 1954, when it was officially replaced by the 7.62 mm round (Boddington 2005). It is America's most popular hunting cartridge.

5.3.8 IF-61165-1

This find consists of one flake made of South Unit chert. It represents the secondary stage of manufacture. It was found a short distance east of Site 42DA288, from which it may have originated.

5.3.9 IF-61165-2

This find consists of one flake made of South Unit chert. It represents the tertiary stage of manufacture. It also displays nibbling along one edge, which may be use wear. It was found approximately 50 m southeast of IF-61165-1 and may also be associated with Site 42DA288.

An intensive cultural resources inventory of eight proposed well locations and associated access roads in the South Unit of the Ashley National Forest resulted in the revisit of three previously recorded sites (4DC288, 42DC1607, and 42DC1864), discovery and recording of one new site (42DC2239), and the documentation of nine isolated finds. All four sites are principally prehistoric in age and cultural affiliation, but Site 42DC1607 also has two historic components, represented by two metal cans and a FS bearing tree. Six of the nine IFs are historic in age and cultural affiliation, related to ranching and federal government activities in the area. The three other finds are a prehistoric biface and two flakes. In the aggregate, these sites and IFs document human use of the area that is at least several thousands of years old. The prehistoric inhabitants focused on the procurement of faunal and floral resources in an upland setting, while at the same time reducing locally available raw materials to usable stone tools. The historic artifacts represent a more informal use of the area, which pre-dates by several decades the current boom in oil and gas exploration and exploitation.

Sites 42DC288 and 42DC1607 have been determined eligible for listing in the NRHP. The proposed access roads have been rerouted around the sites, thus precluding any direct impacts.

Site 42DC1864 has been determined not eligible for listing in the NRHP, and no new data were found that would change that evaluation. The proposed access road will skirt the extreme eastern edge of the site. Site 42DC2239 has been recommended as not eligible for the NRHP. None of the IFs is considered eligible for the NRHP.

Construction activities related to Berry's drilling of eight new oil and gas wells, and building or upgrading access roads to those locations, in the Ashley National Forest will not affect any historic properties. It is recommended that the project be allowed to proceed as planned.

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1959 *Soil Survey of Roosevelt-Duchesne Area, Utah*. USDA Soil Conservation Service. U.S. Government Printing Office, Washington, D.C.

Wikipedia

2006 Winchester Repeating Arms Company. Available from the Internet at [http://en.wikipedia.org/wiki/U.S. Repeating Arms](http://en.wikipedia.org/wiki/U.S._Repeating_Arms). Accessed on 4 August 2006.

Appendix A
Intermountain Antiquities Computer System (IMACS) Site Forms

IMACS SITE FORM (Update)

Part A - Administrative Data

INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM

Form approved for use by:

BLM - Utah, Idaho, Wyoming, Nevada

Division of State History - Utah, Wyoming

USFS - Intermountain Region

NPS - Utah, Wyoming

*1. State No.: 42DC1607

*2. Agency No.: AS-1461

3. Temp. No.

County: Duchesne

4. State: Utah

5. Project: Nutters Canyon 2 (2003); Berry Petroleum Ashley Wells (2006)

*6. Report No.: Unknown/22238478.00001

7. Site Name / Property Name: None

8. Class: Prehistoric Historic Paleontologic Ethnographic

9. Site Type: Lithic scatter/historic can scatter/Forest Service bearing tree

*10. Elevation: 6970 ft.

*11. UTM Grid: Zone 112 51 51 71 81 51 1 m E 41 41 21 71 41 81 51 m N (NAD 83)

*12. NE of NE of NW of Sec. 3, T.06S, R.004W; SW of SW of SE of Sec. 34, T05S., R004W

*13. Meridian: Uintah

*14. Map Reference: Anthro Mountain NE

15. Aerial Photo: None

16. Location and Access: At Anthro Mountain turnoff from Bridgeland on U.S. Highway 40, turn left towards Antelope Canyon, then take the Right Fork of Antelope Canyon. Just before Ashley National Forest boundary, turn right on jeep trail. Follow jeep trail to high point of ridge and walk to UTM coordinates.

*17. Land Owner: USDA Forest Service

*18. Federal Administrative Units: Ashley National Forest

*19. Location of Curated Materials: N/A

20. Site Description: The site sits on a ridge top south of Nutter's Canyon and Right Fork of Antelope Canyon. It is multi-component, containing lithic debitage, historic cans, and a Forest Service bearing tree. The prehistoric evidence includes numerous flakes, two bifaces, and one mano. Some of the artifacts exhibit thermal alteration. Under a slight overhang at the southern end of the site is a large soil stain. Several (12) dense lithic scatter of South Unit Chert, five cores, and one piece of fire-altered groundstone. The historic artifacts include two rectangular hole-in-top can lids, found at the northern edge of the site, near the cadastral marker/FS boundary. On a mature pinyon tree, 5 ft. north of the FS boundary, are found two blazed areas and a metal plate that identifies it as a Bearing Tree. The upper and larger blaze is 22 inches long and 6 inches wide, inscribed with "1 / 4 S 3 4," which denotes its location (i.e., the quarter section marker of Section 34). The smaller blaze is positioned 8 inches below the top blaze, measures 9 inches long and 6 inches wide, and is inscribed "B 11." This latter inscription may be a survey number. The metal plate, positioned above the blazes, reads as follows:

"BEARING TREE. CORNER IS APPROXIMATELY 19⁸ [at] S79°W.

T.5S R.4W SEC. 34 CORNER S¹/₄ TRACT. POSTED BY [no name] DATE 1983."

*21. Site Condition: Excellent (A) Good (B) Fair (C) Poor (D)

*22. Impact Agent(s): Erosion (wind and water); grazing, some woodcutting; oil and gas wellfield development

*23. National Register Status: Significant (C) Not Significant (D) Unevaluated (Z)

Justify: The site is likely to yield additional important information about the regional culture history, including the prehistoric era, as well as recent history (i.e., late nineteenth-early twentieth century).

24. Photos: 106-0696 and 106-0697 (2003); Roll Ashley Revisit #1, Exp. 1 & 2 (2006)

25. Recorded by: Byron Loosle; Gordon C. Tucker Jr.

*26. Survey Organization: Forest Service; URS Corporation *28. Survey Dates: 7/29/2003; 7/26/2006

27. Assisting Crew Members:

Attachments: Part B Topo Map Photos Continuation Sheets
 Part C Site Sketch Artifact/ Feature Sketch
 Other Part E

* Encoded Data Items

Part C - Historic Sites (update)

Site No.(s): 42DC1607
 Agency No.: AS-1641
 Temp. No.: NC-2

1. Site Type: **Forest Service Bearing Tree**
- *2. Historic Theme(s): **Federal Administrative Site**
- *3. Culture:

	Cultural Affiliation	Dating Method	Cultural Affiliation	Dating Method
Describe:	European/American	Historical Record		

Age cannot reliably be determined, but according to FS personnel (C. Johnson, August 2006), the USGS resurveyed federal boundaries in the 1950s. General Land Office (GLO) field notes suggest, however, that the tree may have been marked in 1893.
- *4. Oldest Date: **1893** Recent Date: **1950**
 How determined? **Historical record**
5. Site Dimensions **6 m x 1 m** *Area **6 sq m**
- *6. Surface Collection/Method:

	<input checked="" type="checkbox"/> None(A)	<input type="checkbox"/> Designed Sample (C)
Sampling Method:	<input type="checkbox"/> Grab Sample(B)	<input type="checkbox"/> Complete Collection (D)
7. Estimated Depth of Fill:

	<input checked="" type="checkbox"/> Surface (A)	<input type="checkbox"/> 20 - 100cm (C)	<input type="checkbox"/> Fill noted but unknown (E)
	<input type="checkbox"/> 0 - 20cm (B)	<input type="checkbox"/> 100cm + (D)	<input type="checkbox"/> Depth suspected but not tested (F)

How Estimated: Historic inscription is found on living pinyon tree (If tested, show location on site map)
8. Excavation Status:

	<input type="checkbox"/> Excavated (A)	<input type="checkbox"/> Tested (B)	<input checked="" type="checkbox"/> Unexcavated (C)
--	--	-------------------------------------	---

Testing Method: **N/A**
9. Summary of Artifacts and Debris: *(Refer to guide for additional categories)*

<input type="checkbox"/> Glass (GL)	<input type="checkbox"/> Bone (BO)	<input type="checkbox"/> Leather (LE)	<input type="checkbox"/> Ammunition (AM)	<input type="checkbox"/> Domestic Items (DI)
<input type="checkbox"/> Metal (ME)	<input type="checkbox"/> Ceramics (CS)	<input type="checkbox"/> Wire (WI)	<input type="checkbox"/> Wood (WD)	<input type="checkbox"/> Kitchen Utensils (KU)
<input type="checkbox"/> Nails (NC,NW)	<input type="checkbox"/> Fabric (FA)	<input type="checkbox"/> Tin Cans (TC)	<input type="checkbox"/> Rubber (RB)	<input type="checkbox"/> Car/Car Parts (CR)

Describe: **No Artifacts**
10. Ceramic Artifacts:

	Paste	Glaze/Slip	Deco-ration	Pattern	Vessel Form(s)	Number
--	--------------	-------------------	--------------------	----------------	-----------------------	---------------

 - a. Estimated Number of Ceramic Trademarks _____

Describe: **None**

Part C - Historic Sites (update)

Site No.(s): 42DC1607

11. Glass: # **Manufacture** **Color** **Function** **Trademarks** **Decoration**

Describe: None

12. Maximum Density - #/sq m (glass and ceramics):

13. Tin Cans:
 Type **Opening** **Size** **Modified** **Label/Mark** **Function**

Describe: None

*14. Landscape and Constructed Features (locate on site map) - (See guide for additional categories)

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Trail/Road (TR) | <input type="checkbox"/> Dump (DU) | <input type="checkbox"/> Dam, Earthen (DA) | <input type="checkbox"/> Hearth/Campfire (HE) |
| <input type="checkbox"/> Tailings (MT,ML) | <input type="checkbox"/> Depression (DE) | <input type="checkbox"/> Ditch (DI) | <input type="checkbox"/> Quarry (QU) |
| <input checked="" type="checkbox"/> Rock Alignment (RA) | <input type="checkbox"/> Cemetery Burial (CB) | <input type="checkbox"/> Inscriptions (IN) | <input checked="" type="checkbox"/> Other (OT): |

Describe: Forest Service bearing tree and cadastral monument. Feature is a mature pinyon tree, located 5 ft. north of the FS boundary, on which are found two blazed areas and a metal plate that identifies this as a Bearing Tree. The upper and larger blaze is 22 inches long and 6 inches wide, inscribed with "1 / 4 S 3 4," which clearly denotes its location (i.e., the quarter section marker of Section 34). The smaller blaze is positioned 8 inches below the top blaze, measures 9 inches long and 6 inches wide, and is inscribed "B 11." This latter inscription may be a survey number. The metal plate, positioned above the blazes, reads as follows:

"BEARING TREE. CORNER IS APPROXIMATELY 19⁸³ [at] S79°W.
 T.5S R.4W SEC. 34 CORNER S¼ TRACT. POSTED BY [no name] DATE 1983."

The actual monument is a short section of aluminum pipe with aluminum cap, set in a small pile of 6-8 native sandstone rocks. According to its inscription, it was set in 1983, which matches the date on the metal plate attached to the tree. A slightly larger pile of approximately 20 sandstone rocks is 2 ft. north of the monument and may be the original monument marker. The General Land Office (GLO) field notes indicate that the quarter section monument was initially established in 1893. It is possible that the witness tree was first blazed at that time.

*15. Buildings and Structures (locate on site map)
 # **Material** **Type** # **Material** **Type**

Describe: None

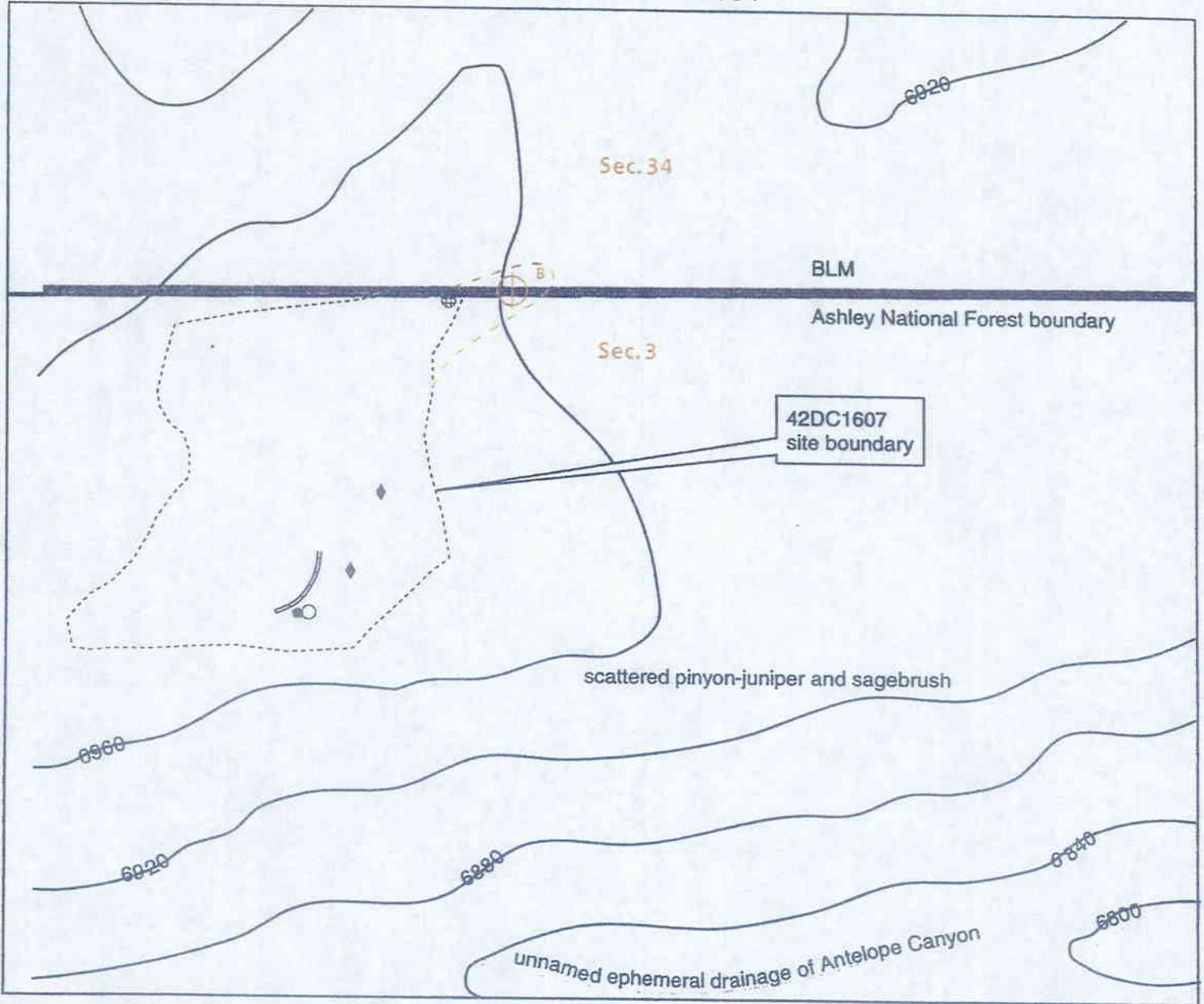
16. Comments/Continuations - Please make note of any Historic Record searches performed (for example - County Records, General Land Office, Historical Society, Land Management Agency Records, Oral Histories/interviews). According to Almendinger (*Minnesota's Bearing Tree Database*, 1996; Minnesota Department of Natural Resources, St. Paul), "Bearing trees are a special kind of witness tree which the surveyors notched, blazed, and scribed in a standard way to facilitate the relocation of the survey corner should the wooden corner post or corner stone be lost or moved."

* Encoded Data Items

Site Sketch

State #: 42DC1607

ANF #: AS-01461



- rock outcrop
- ash stain
- one-hand mano
- biface
- can scatter

Added 2006

- FS Cadastral Monument
- Bearing Tree





PHOTOGRAPHIC LOG

Client Name:
Berry Petroleum Co.

Project:
Ashley Wells EA

Project No.:
22238478.00001

Photo No.:
P7260011

Date:
7-26-06

Site Number:
42DC1607

Description:
Forest Service bearing tree



PHOTOGRAPHIC LOG

Client Name:
Berry Petroleum Co.

Project:
Ashley Wells EA

Project No.:
22238478.00001

Photo No.:
P7260012

Date:
7-26-06

Site Number:
42DC1607

Description:
Cadastral monument, quarter section marker



UPDATE

1990

IMACS ENCODING FORM

To be completed for each site form.

For instructions and codes, see IMACS Users Guide.

Encoder's Name G.C. Tucker, Jr.

A

1 42-DC-001607 State Site Number 2 AS-01461 Agency Site Number 6 AS030963 Agency Report Number 10 06970 Elevation

11

12	557851	4A,27A8,5

 Zone Easting Northing

12

NE	NE	NW	03	06	S	0,0,4	W
SW	SW	SE	34	05	S	0,0,4	W

 1/4 1/4 1/4 Sec. T. R.

13 2 Merid. 14 ANTHR. MOUNTAIN NE USGS Map 17 FS Owner

18 01 04 Forest Dist./Park 19 Loc. Curated Materials 21 C Cond. 22 ER GR OT Impacts 23 C N.R. 26 FS Organ. 28 07-29-03 Survey Date 29 06 330 Slope Aspect

30 0,1,1 B Water: distance/type 31 CAB Geog. Unit 32 G P Topographic Location 1st 2nd 33 T Dep. 34 E HQH Vegetation 1 2 3 35 REV. I.S.I.T. 7-26-06 Misc. Text, Site Name

B

2 ZZ Culture/Dating Method 3 02950 Area 4 A Collect 5 F Depth 6 C Excav. Status 7 LS BS GS Prehistoric Artifacts

8

1	N	A	2	G

 9 E 2 2 3 2 2 Flaking Stages 11

 Ceramics: #/type 13 1 M D Features: #/type 14

 Architecture: #/material/type

C

2 FR FA Historic Themes 3 EAI Culture/Dating Method 4 1893 1950 Dates 5 00006 Area 6 A Collect 7 A Depth 8 C Excav. Status 9

 Artifacts

14 ZRA 10T Features: #/type 15

 Architecture: #/material/type

IMACS SITE FORM

Part A - Administrative Data

INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM

Form approved for use by:

BLM - Utah, Idaho, Wyoming, Nevada

Division of State History - Utah, Wyoming

USFS - Intermountain Region

NPS - Utah, Wyoming

*1. State No. 42DC2239

*2. Agency No. AS-01865

3. Temp. No. 8164-1

County: Duchesne

4. State: UTAH

5. Project: Ashley National Forest Exploration & Development Wells EIS

*6. Report No.: 22238478

7. Site Name / Property Name: N/A

8. Class: Prehistoric Historic

Paleontologic

Ethnographic

9. Site Type: Lithic debitage scatter

*10. Elevation 6,400 ft.

*11. UTM Grid: Zone 11 2 5 6 1 6 9 10 m E 4 4 2 6 9 9 4 m N

*12. SE of NW of SE of Sec. 1, T. 6S, R. 4W

*13. Meridian: Uintah

*14. Map Reference: Anthro Mountain NE 7.5' (1996)

15. Aerial Photo: None

16. Location and Access: Site is located approximately 11 meters east of the existing dirt road that follows the bottom of Antelope Canyon Left Fork

*17. Land Owner: USDA Forest Service

*18. Federal Administrative Units: Ashley National Forest

*19. Location of Curated Materials: N/A

20. Site Description: Site is a very small scatter of lithic debitage, a bifacially utilized tabular fragment, and a projectile point base fragment. It is located on the first terrace of the Left Fork of Antelope Canyon. It is on a flat bench with a mosaic of open grassy areas and greasewood thickets. The adjacent canyon slopes are sparsely covered with pinyon and juniper. The site is approximately 11 meters east of an existing dirt road. The artifacts are concentrated in a 2 meter by 1 meter area, oriented N0°E. The artifact assemblage consists of three primary flakes and one secondary flake, one projectile point base fragment, and a bifacially utilized tabular fragment. All of the artifacts are made from locally available South Unit chert.

*21. Site Condition: Excellent (A)

Good (B)

Fair (C)

Poor (D)

*22. Impact Agent(s): Alluvial erosion

*23. National Register Status: Significant (C) Not Significant (D) Unevaluated (Z)

Justify: The materials are limited in quantity and do not appear to contain any qualitative elements that would provide additional important information concerning the prehistory of the area. Subsurface deposits are unlikely.

24. Photos: Roll AW-R-1, Exp. 1-4; 2625 (taken by C. Johnson, Forest Service, on 10-15-2006)

25. Recorded by: Gordon C. Tucker Jr.

*26. Survey Organization: URS Corporation

*28. Survey Date: 07/27/2006

27. Assisting Crew Members: N/A

Attachments: Part B

Topo Map Photos

Continuation Sheets

Part C

Site Sketch Artifact/ Feature Sketch

Other

Part E

Part A - Environmental Data

Site No. **42DC2239**
(AS-01865)

*29. Slope: **0°** (Degrees) Aspect (Degrees) **0°**

*30. Distance to Permanent Water: **50 meters**

*Type of Water Source: Spring/Seep (A) Stream/River (B) Lake (C) Other (D)

Name of Water Source: **Left Fork Antelope Canyon**

*31. Geographic Unit: **Uinta Basin**

*32. Topographic Location: - See Guide for additional information

Primary Landform: G

Secondary Landform: R

- | | | | | |
|--|--|---|---|--|
| <input type="checkbox"/> Mountain Spine (A) | <input type="checkbox"/> Alluvial Fan (A) | <input type="checkbox"/> Dune (I) | <input type="checkbox"/> Slope (Q) | <input type="checkbox"/> Riser (Y) |
| <input type="checkbox"/> Hill (B) | <input type="checkbox"/> Alcove/Rock Shelter (B) | <input type="checkbox"/> Floodplain (J) | <input checked="" type="checkbox"/> Terrace/Bench (R) | <input type="checkbox"/> Multiple S. Landforms (1) |
| <input type="checkbox"/> Tableland/Mesa (C) | <input type="checkbox"/> Arroyo (C) | <input type="checkbox"/> Ledge (K) | <input type="checkbox"/> Talus Slope (S) | <input type="checkbox"/> Bar (2) |
| <input type="checkbox"/> Ridge (D) | <input type="checkbox"/> Basin (D) | <input type="checkbox"/> Mesa/Butte (L) | <input type="checkbox"/> Island (T) | <input type="checkbox"/> Lagoon (3) |
| <input type="checkbox"/> Valley (E) | <input type="checkbox"/> Cave (E) | <input type="checkbox"/> Playa (M) | <input type="checkbox"/> Outcrop (U) | <input type="checkbox"/> Ephemeral Wash (4) |
| <input type="checkbox"/> Plain (F) | <input type="checkbox"/> Cliff (F) | <input type="checkbox"/> Port Geo Feature (N) | <input type="checkbox"/> Spring Mound/Bog (V) | <input type="checkbox"/> Kipuka (5) |
| <input checked="" type="checkbox"/> Canyon (G) | <input type="checkbox"/> Delta (G) | <input type="checkbox"/> Plain (O) | <input type="checkbox"/> Valley (W) | <input type="checkbox"/> Saddle/Pass (6) |
| <input type="checkbox"/> Island (H) | <input type="checkbox"/> Detached Monolith (H) | <input type="checkbox"/> Ridge/Knoll (P) | <input type="checkbox"/> Cutbank (X) | <input type="checkbox"/> Graben (7) |

Describe: **The site is located on the first terrace of the Left Fork of Antelope Canyon. It is approximately 11 meters east of a dirt access road.**

*33. On Site Depositional Context

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Fan (A) | <input type="checkbox"/> Outcrop (Q) | <input type="checkbox"/> Moraine (J) | <input type="checkbox"/> Desert Pavement (P) |
| <input type="checkbox"/> Talus (B) | <input type="checkbox"/> Extinct Lake (F) | <input type="checkbox"/> Flood Plain (K) | <input type="checkbox"/> Stream Bed (R) |
| <input type="checkbox"/> Dune (C) | <input type="checkbox"/> Extant Lake (G) | <input type="checkbox"/> Marsh (L) | <input type="checkbox"/> Aeolian (S) |
| <input checked="" type="checkbox"/> Stream Terrace (D) | <input type="checkbox"/> Alluvial Plain (H) | <input type="checkbox"/> Landslide/Slump (M) | <input type="checkbox"/> None (T) |
| <input type="checkbox"/> Playa (E) | <input type="checkbox"/> Colluvium (I) | <input type="checkbox"/> Delta (N) | <input type="checkbox"/> Residual (U) |
- Description of Soil

34. Vegetation: **Bunch grass, greasewood, prickley pear cactus**

*a. Life Zone

- Arctic-alpine (A) Hudsonian (B) Canadian (C) Transitional (D) Upper Sonoran (E) Lower Sonoran (F)

*b. Community: Primary On Site O Secondary On Site M Surrounding Site H

- | | | | |
|--------------------|-----------------------------|-------------------------|--------------------|
| Aspen (A) | Other/Mixed Conifer (G) | Grassland/Steppe (M) | Marsh/Swamp (S) |
| Spruce-Fir (B) | Pinyon-Juniper Woodland (H) | Desert Lake Shore (N) | Lake/Reservoir (T) |
| Douglas Fir (C) | Wet Meadow (I) | Shadscale Community (O) | Agricultural (U) |
| Alpine Tundra (D) | Dry Meadow (J) | Tall Sagebrush (P) | Blackbrush (V) |
| Ponderosa Pine (E) | Oak-Maple Shrub (K) | Low Sagebrush (Q) | Creosote Bush (Y) |
| Lodgepole Pine (F) | Riparian (L) | Barren (R) | |

Describe:

*35. Miscellaneous Text

36. Comments/Continuations

Part B - Prehistoric Sites

Site No.(s): 42DC2239
(AS-01865)

*11. Ceramic Artifacts: None

Quantity

Type

Quantity

Type

Describe: N/A

12. Maximum Density - #/sq m (ceramics): N/A

*13. Non-architectural Features (locate on site map): *(See guide for additional categories)*

<input type="checkbox"/> Hearth/Firepit (HE)	<input type="checkbox"/> Rubble Mound (RM)	<input type="checkbox"/> Earthen Mound (EM)	<input type="checkbox"/> Water Control (WC)
<input type="checkbox"/> Midden (MD)	<input type="checkbox"/> Stone Circle (SC)	<input type="checkbox"/> Burial (BU)	<input type="checkbox"/> Petroglyph (PE)
<input type="checkbox"/> Depression (DE)	<input type="checkbox"/> Rock Alignment (RA)	<input type="checkbox"/> Talus Pit (TP)	<input type="checkbox"/> Pictograph (PI)

Describe: N/A

*14. Architectural Features (locate on site map): N/A

Quantity

Material

Type

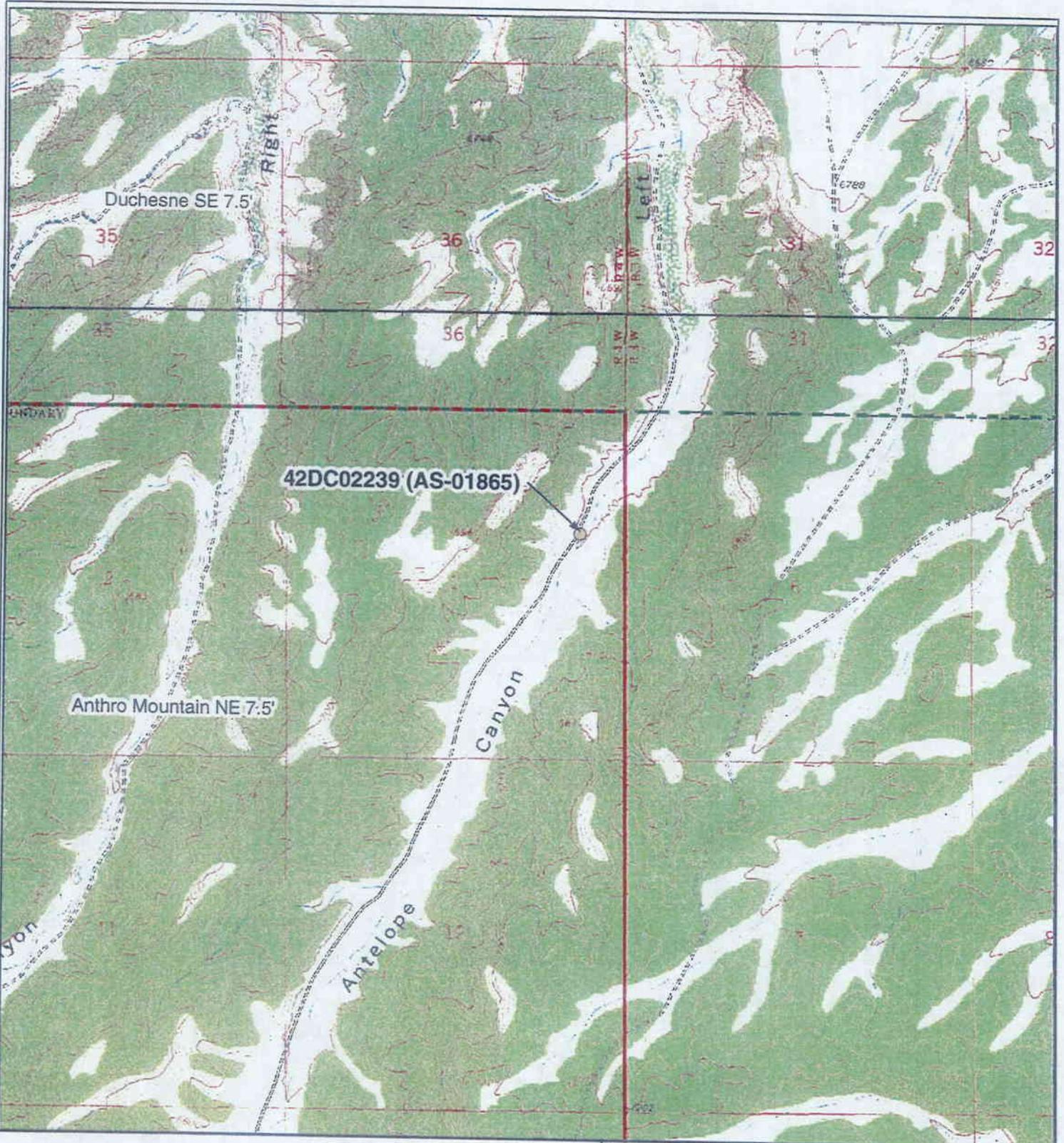
Quantity

Material

Type

Describe: N/A

15. Comments/Continuations: N/A



Legend

- Site
- Berry Leased Area Boundary
- Ashley NF Boundary



1 inch equals 2,000 feet

42DC02239 (AS-01865) Location Map
Berry Petroleum Company
Ashley National Forest South Unit
Proposed Oil and Gas Locations

USGS 7.5' Topographic Quadrangle Maps:
 Anthro Mountain NE (1996) and
 Duchesne SE (1964)

8/16/06

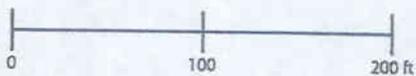
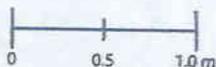
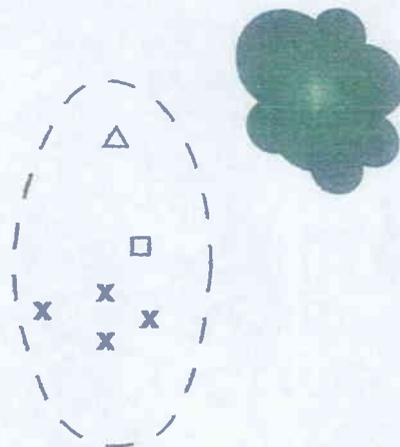
URS

Left Fork Antelope Canyon Rd.

Proposed
Federal 8-1-64
Well Location

42DC02239

Closeup View of
Site 42DC02239



Plan View Sketch Map of Site 42DC02239
Berry Petroleum Company
Ashley Wells EA

URS



 Greasewood Bush
 Projectile Point Base

 Worked Tabular Fragment
 Flake

URS

PHOTOGRAPHIC LOG

Client Name:
Berry Petroleum Co.

Well Location:
Federal 8-1-64

Project No.:
22238478.00001

Photo No.: 2625
Date: 10-14-05

Site Number:
42DC2239

Description:
South Unit Chert
projectile point base
(photo taken by Clay
Johnson, USDA Forest
Service)



Well Number	TD	Lead Slurry	Tail Slurry
Federal 5-4-65	4940	182	318
Federal 2-2-65	5990	182	490
Federal 5-6-65	5950	182	483
Federal 10-2-65	5965	182	486
Federal 16-5-65	4865	182	305
Federal 8-1-64	5595	182	425
Federal 8-2-64	5465	182	404
Federal 5-6-65	5950	182	483
Federal 5-4-64	5580	182	422

Cement Yield
Lead: 3.43 Ft³/sack
Tail: 1.27 Ft³/sack

Capacity 7 7/8" Hole & 5 1/2" CSG.
0.1733 FT³/FT

BERRY PETROLEUM COMPANY

FEDERAL #5-4-64 & #5-4D-64

LOCATED IN UINTAH COUNTY, UTAH
SECTION 4, T6S, R4W, U.S.B.&M.

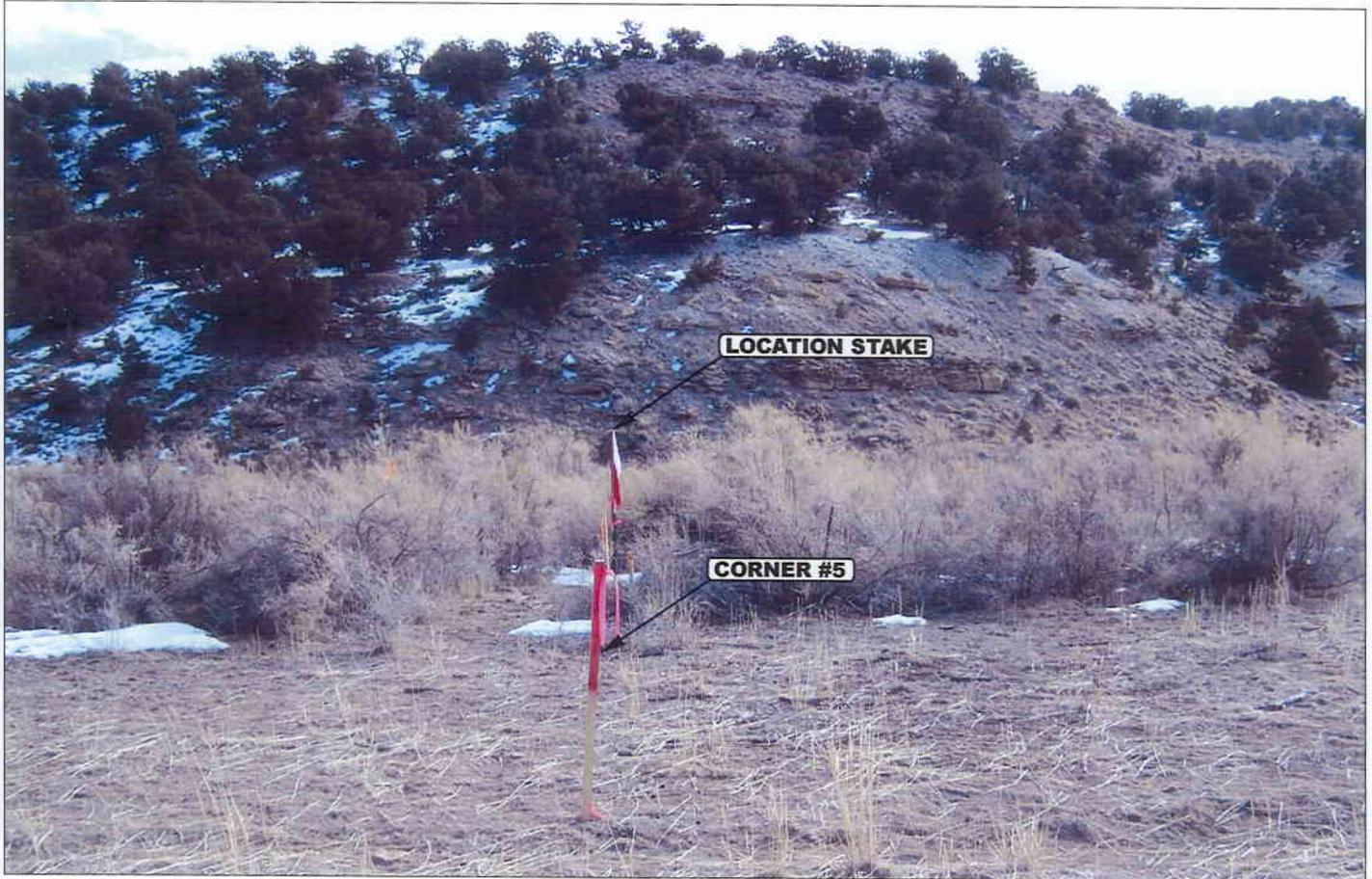


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

3 16 06
MONTH DAY YEAR

PHOTO

TAKEN BY: B.H.

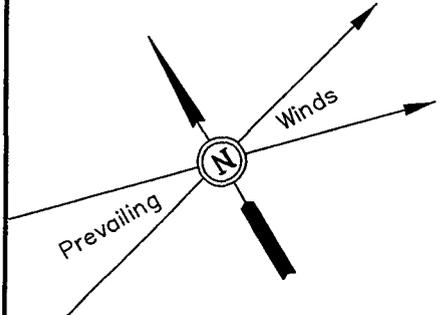
DRAWN BY: J.L.G.

REVISED: 00-00-00

BERRY PETROLEUM COMPANY

LOCATION LAYOUT FOR

FEDERAL #5-4-64 & #5-4D-64
SECTION 4, T6S, R4W, U.S.B.&M.
SW 1/4 NW 1/4



SCALE: 1" = 50'
DATE: 03-15-06
DRAWN BY: D.R.B.

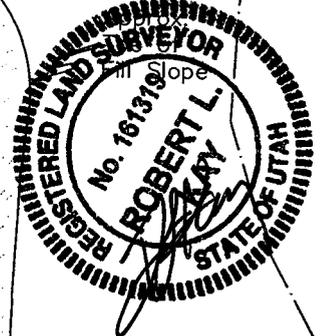
Existing Drainage

Proposed Access Road

F-6.1'
El. 709.1'

Sta. 3+00

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



Approx. Top of Cut Slope

Reserve Pit Backfill & Spoils Stockpile

Flare Pit

C-17.5'
El. 722.7'
(Btm. Pit)

RESERVE PITS
(10' Deep)

Total Pit Capacity
W/2' of Freeboard
= 12,070 Bbls. ±
Total Pit Volume
= 3,390 Cu. Yds.

10' WIDE BENCH

1 1/2:1 Slope

C-2.0'
El. 717.2'

PIPE RACKS

C-0.5'
El. 715.7'

DOG HOUSE

Sta. 1+50

C-1.2'
El. 716.4'

F-1.7'
El. 713.5'

C-2.3'
El. 717.5'

MUD TANKS

PUMP

MUD SHED

TRAILER

TOILET

HOPPER

POWER

TOOLS

FUEL

Sta. 0+50

TRASH

STORAGE TANK

Sta. 0+00

C-29.0'
El. 734.2'
(Btm. Pit)

C-6.0'
El. 721.2'

Reserve Pit Backfill & Spoils Stockpile

C-5.4'
El. 720.6'

C-3.5'
El. 718.7'

Elev. Ungraded Ground at Location Stake = 6716.4'
Elev. Graded Ground at Location Stake = 6715.2'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

BERRY PETROLEUM COMPANY

TYPICAL CROSS SECTIONS FOR

FEDERAL #5-4-64 & #5-4D-64

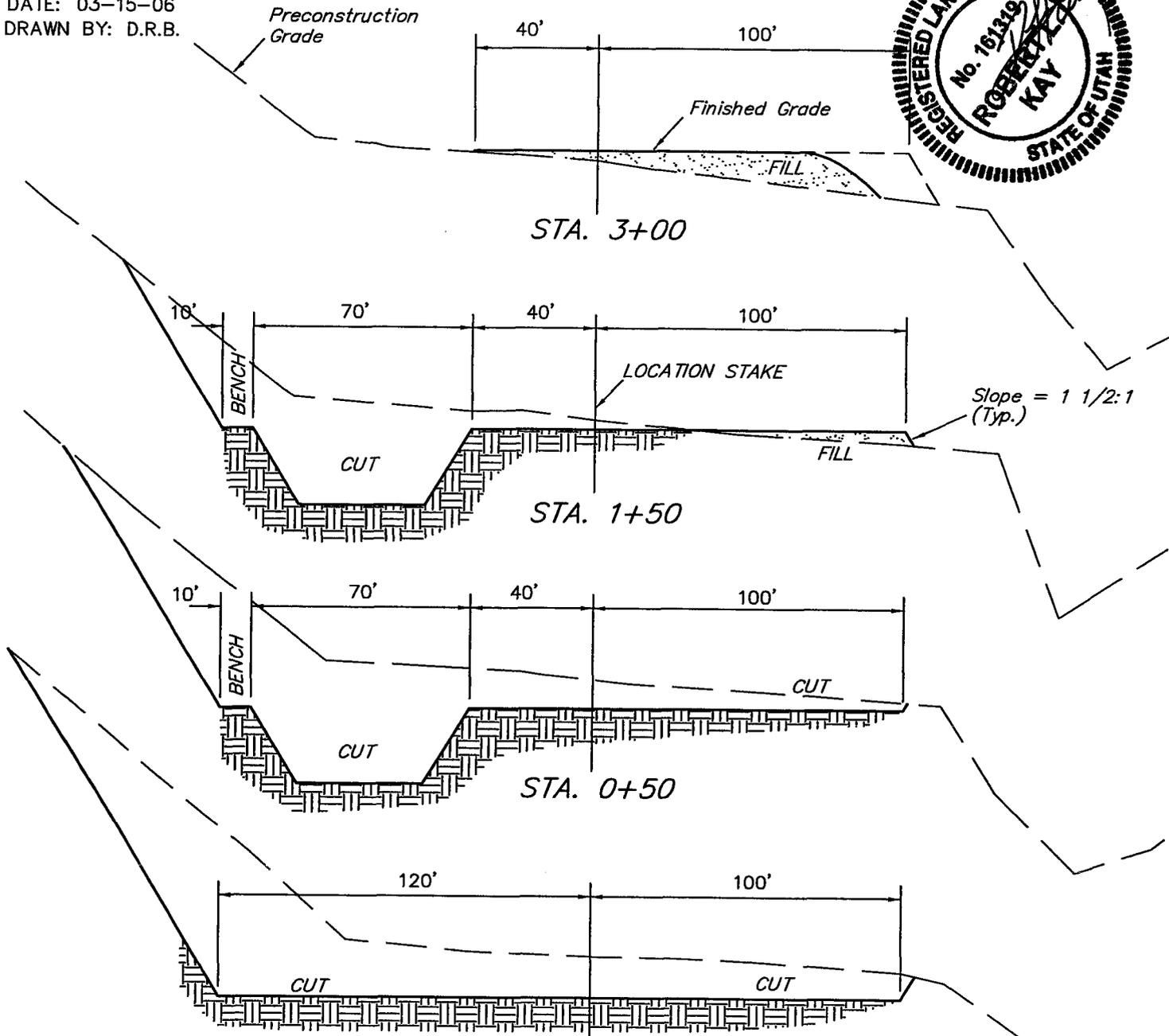
SECTION 4, T6S, R4W, U.S.B.&M.

SW 1/4 NW 1/4



1" = 20'
X-Section
Scale
1" = 50'

DATE: 03-15-06
DRAWN BY: D.R.B.



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

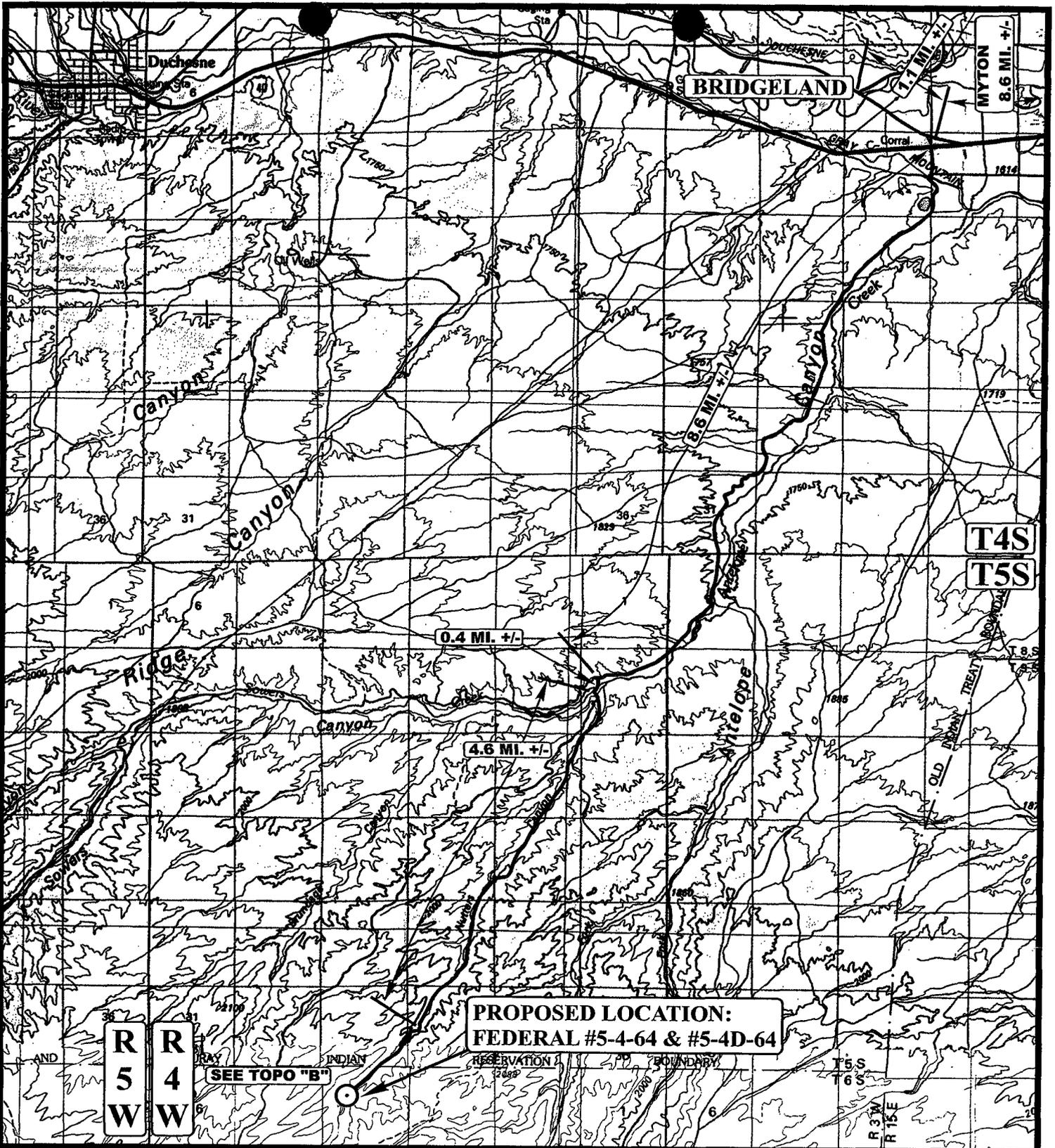
* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,470 Cu. Yds.
Remaining Location	= 12,650 Cu. Yds.
TOTAL CUT	= 14,120 CU.YDS.
FILL	= 1,680 CU.YDS.

EXCESS MATERIAL	= 12,440 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,170 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 9,270 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

BERRY PETROLEUM COMPANY

FEDERAL #5-4-64 & #5-4D-64
SECTION 4, T6S, R4W, U.S.B.&M.
SW 1/4 NW 1/4

U&L S
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC 3 16 06
MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00



R
4
W



T5S
T6S

**PROPOSED LOCATION:
FEDERAL #5-4-64 & #5-4D-64**

**PROPOSED ACCESS
FOR #16-33-54 0.4 MI. +/-**

**PROPOSED
ACCESS 0.7 MI. +/-**

BERRY PETROLEUM COMPANY

**FEDERAL #5-4-64 & #5-4D-64
SECTION 4, T6S, R4W, U.S.B.&M.
SW 1/4 NW 1/4**

— EXISTING ROAD
- - - PROPOSED ACCESS ROAD

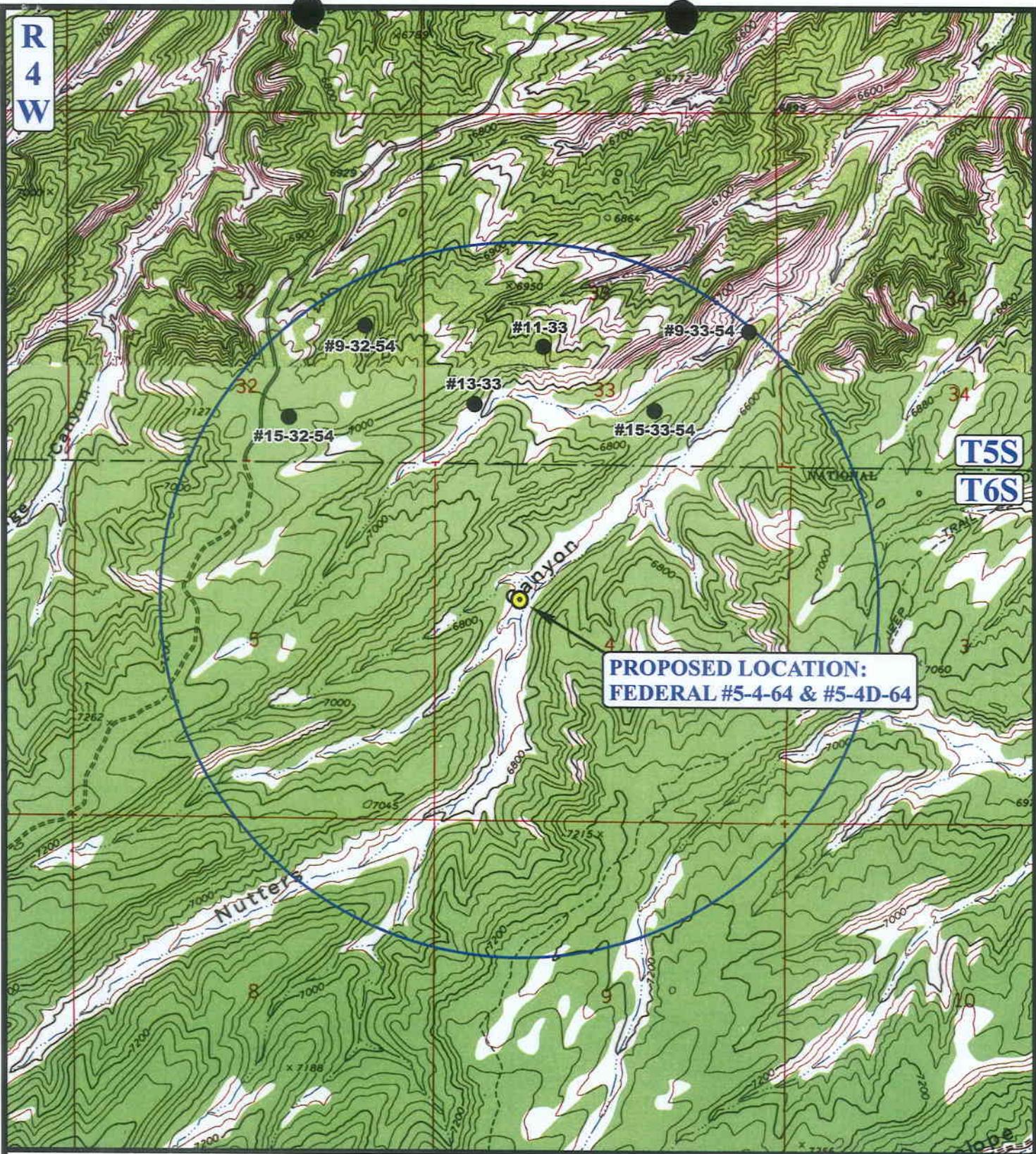


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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC	3	16	06
MAP	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: J.L.G.		REVISED: 00-00-00



R
4
W



**PROPOSED LOCATION:
FEDERAL #5-4-64 & #5-4D-64**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



BERRY PETROLEUM COMPANY

**FEDERAL #5-4-64 & #5-4D-64
SECTION 4, T6S, R4W, U.S.B.&M.
SW 1/4 NW 1/4**

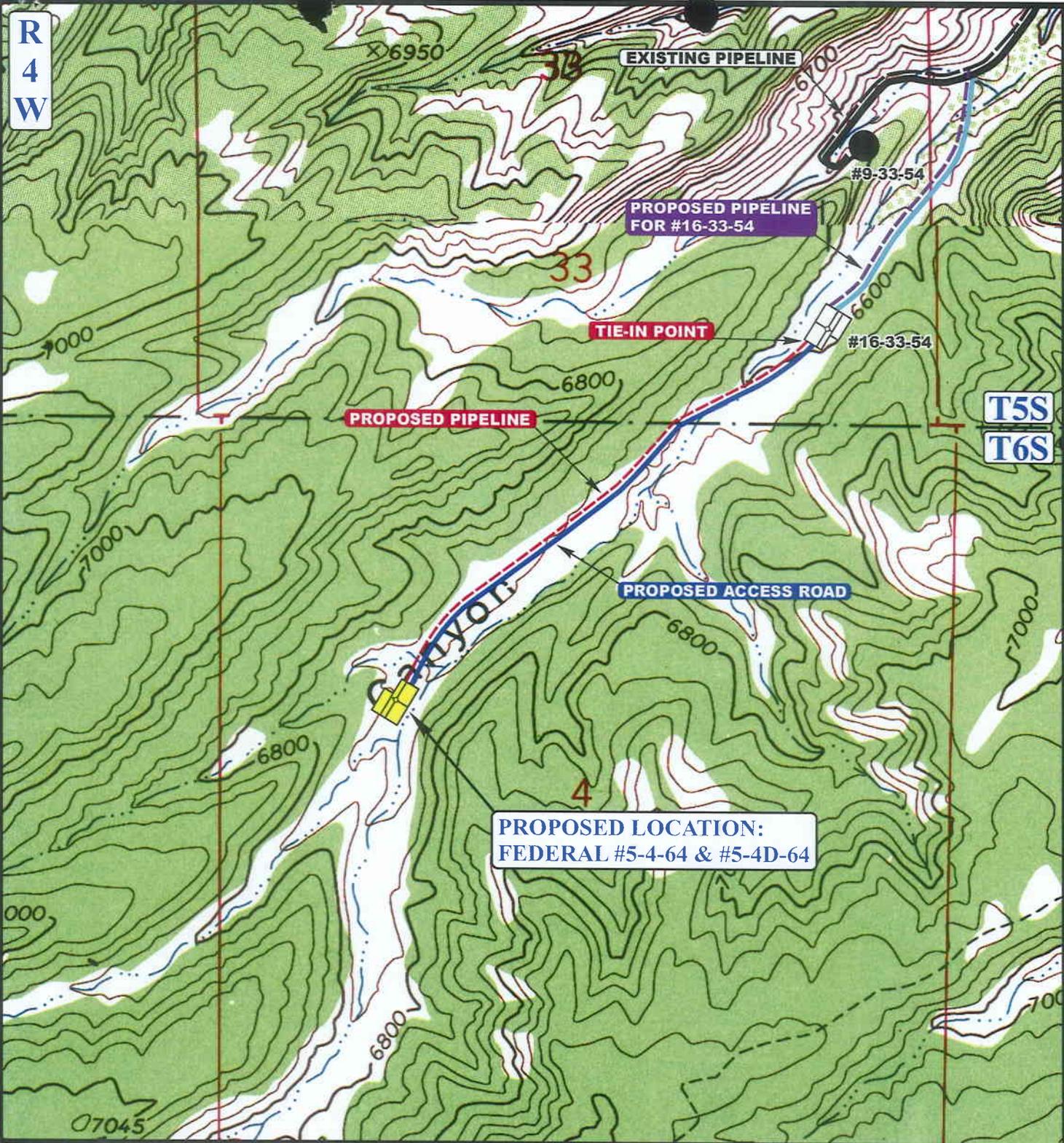


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TOPOGRAPHIC MAP 3 16 06
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00



R
4
W



APPROXIMATE TOTAL PIPELINE DISTANCE = 3825' +/-

BERRY PETROLEUM COMPANY

FEDERAL #5-4-64 & #5-4D-64
SECTION 4, T6S, R4W, U.S.B.&M.
SW 1/4 NW 1/4

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



U E L S
 Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 3 16 06
MAP MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00

D
 TOPO

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/08/2006

API NO. ASSIGNED: 43-013-33450

WELL NAME: FEDERAL 5-4-64
 OPERATOR: BERRY PETROLEUM COMPANY (N2480)
 CONTACT: SHELLY CROZIER

PHONE NUMBER: 435-722-1325

PROPOSED LOCATION:

SWNW 04 060S 040W
 SURFACE: 1980 FNL 1252 FWL
 BOTTOM: 1980 FNL 1252 FWL
 COUNTY: DUCHESNE
 LATITUDE: 39.99064 LONGITUDE: -110.3443
 UTM SURF EASTINGS: 555978 NORTHINGS: 4426714
 FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-77314
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

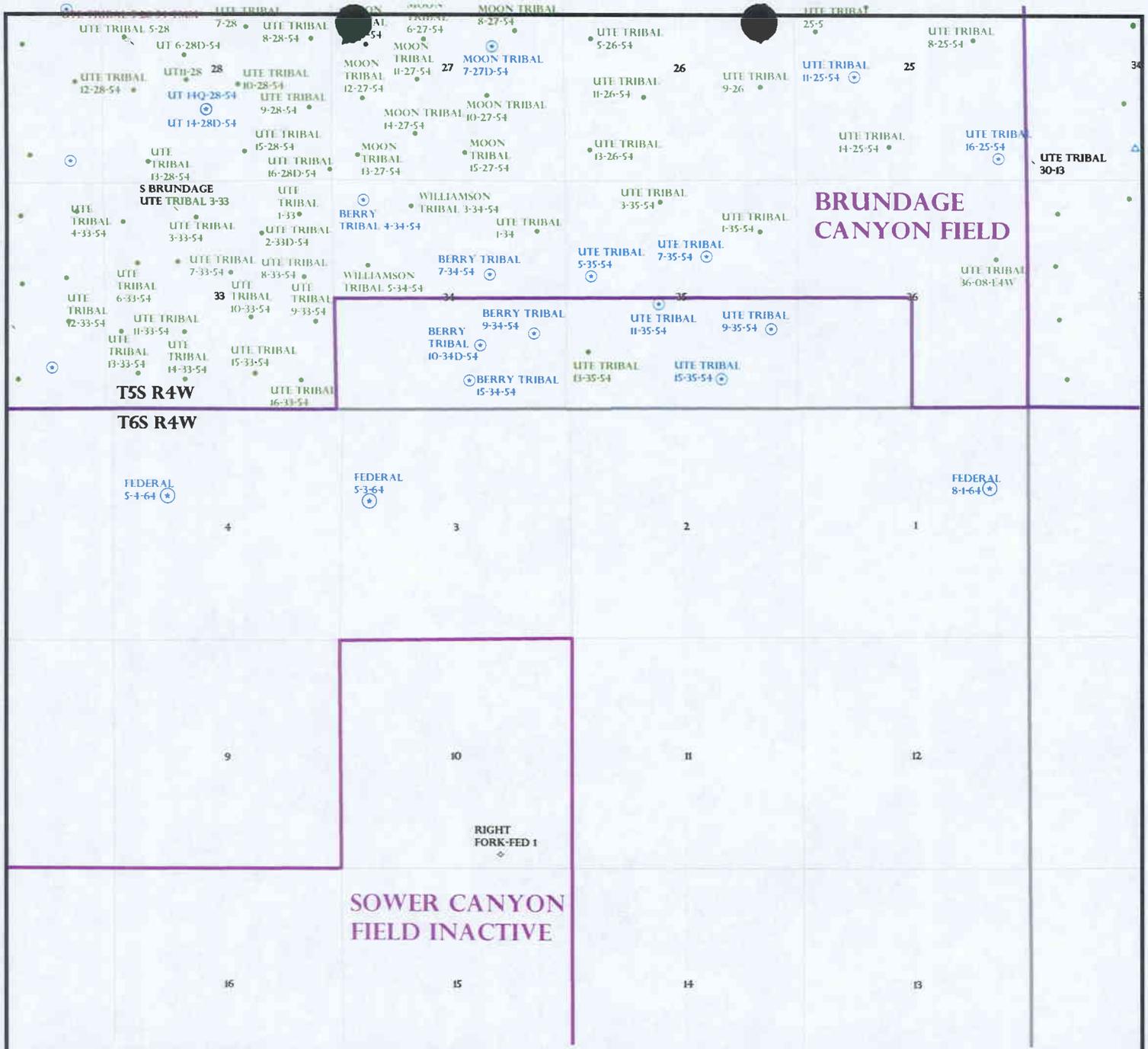
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005651)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-11041)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- ___ R649-2-3.
- Unit: _____
- ___ R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. ~~Exception~~
- ___ Drilling Unit
- Board Cause No: _____
- Eff Date: _____
- Siting: _____
- ___ R649-3-11. Directional Drill

COMMENTS: Needs Permit

STIPULATIONS: 1- Federal Approval
2- Spacing Strip



OPERATOR: BERRY PETRO CO (N2480)
 SEC: 1.4 T.6S R.4W
 FIELD: UNDESIGNATED (002)
 COUNTY: DUCHESNE
 SPACING: R649-3-3 / EXCEPTION LOCATION

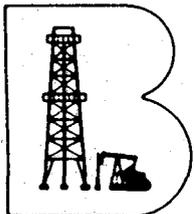
- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

- Unit Status**
- EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PENDING
 - PI OIL
 - PP GAS
 - PP GEOTHERML
 - PP OIL
 - SECONDARY
 - TERMINATED

- Wells Status**
- * GAS INJECTION
 - * GAS STORAGE
 - x LOCATION ABANDONED
 - o NEW LOCATION
 - o PLUGGED & ABANDONED
 - * PRODUCING GAS
 - * PRODUCING OIL
 - * SHUT-IN GAS
 - * SHUT-IN OIL
 - x TEMP. ABANDONED
 - o TEST WELL
 - o WATER INJECTION
 - o WATER SUPPLY
 - o WATER DISPOSAL
 - o DRILLING



PREPARED BY: DIANA MASON
 DATE: 8-DECEMBER-2006



Berry Petroleum Company

Brundage Canyon Field

4000 South 4028 West
Route 2 Box 7735
Roosevelt, UT 84066

Ph. (435) 722-1325

Fax: (435) 722-1321

www.bry.com

December 11, 2006

State of Utah
Department Of Natural Resources
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Oil and Gas Conservation General Rules
R649-3-3 Exception to Location and Siting of Wells.
Federal No. 5-4-64

Gentlemen:

Berry Petroleum Company is proposing to drill a development well in the Brundage Canyon Field, Duchesne County, Utah. The well is located on lands within the Ashley National Forest. A copy of the Federal Application for Permit to Drill (APD) is attached for your review. This APD has been submitted to the Bureau of Land Management (BLM) in Vernal.

As shown on the attached staking plat, the proposed location for the Federal No. 5-4-64 falls outside of the allowed standard well spacing (R649-3-2). Berry is requesting an exception to the spacing requirement per regulation R649-3-3 since Berry was unable to locate the proposed well within the allowed spacing "window" due to topographic constraints. The staked footages represent the closest accessible location to the spacing "window".

In accordance with R649-3-3, Berry is providing a copy of the staking plat showing the proposed location in relation to the allowed spacing "window" and all tracts contacted by a circle with a radius of 460'. A second plat is also attached showing the actual or recently proposed location for all direct or diagonal offsetting wells. As to the 460' radius circle, Berry is also the owner of the adjacent SE/4 NW/4 of Section 4.

Berry is requesting approval of this excepted location as proposed. If additional information is required, please contact Dan Anderson at (303) 825-3344.

Sincerely,

Shelley E. Crozier
Regulatory & Permitting Assistant

enclosures

RECEIVED

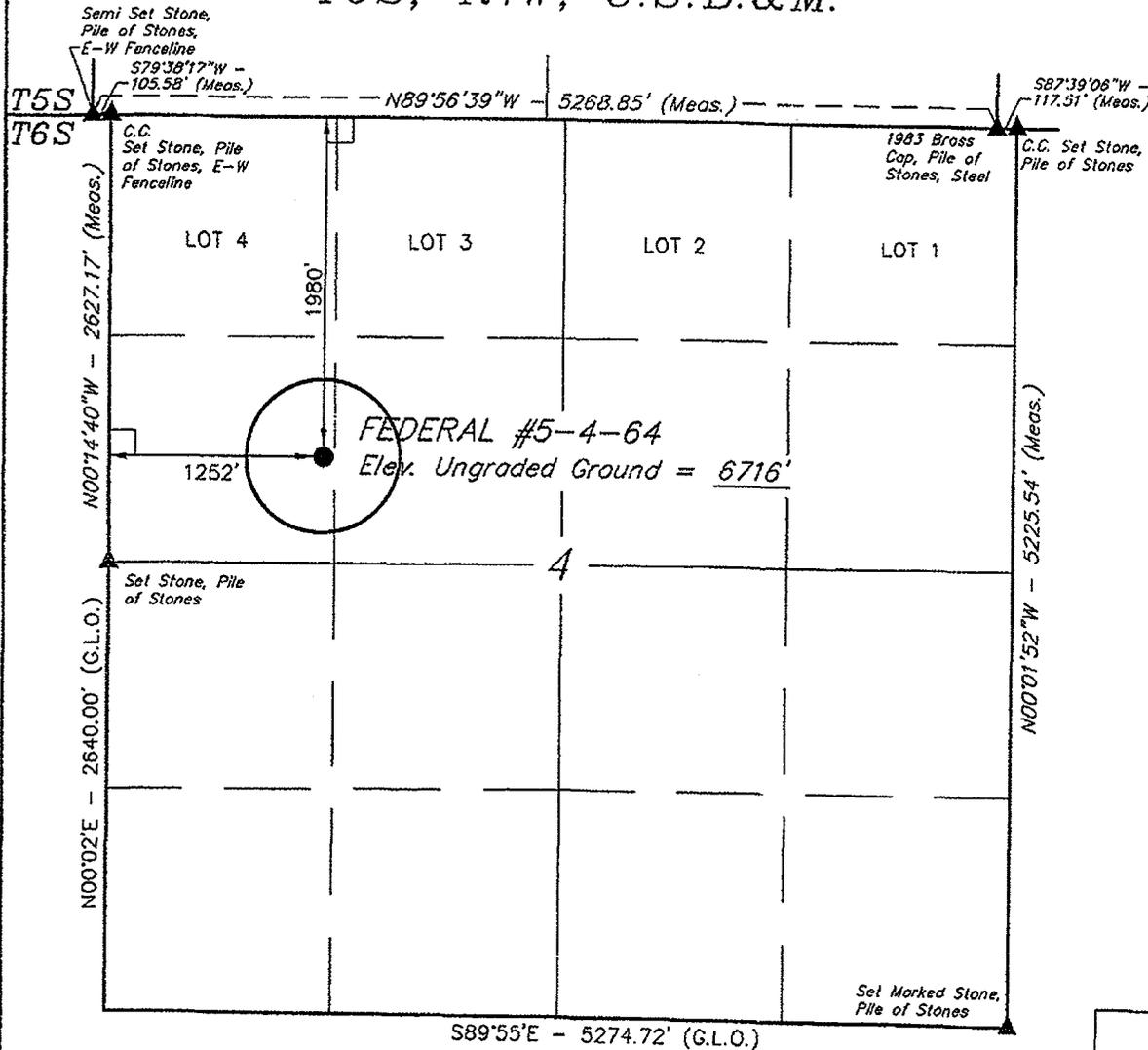
DEC 13 2006

DIV. OF OIL, GAS & MINING

T6S, R4W, U.S.B.&M.

BERRY PETROLEUM COMPANY

Well location, FEDERAL #5-4-64, located as shown in the SW 1/4 NW 1/4 of Section 4, T6S, R4W, U.S.B.&M. Duchesne County, Utah.

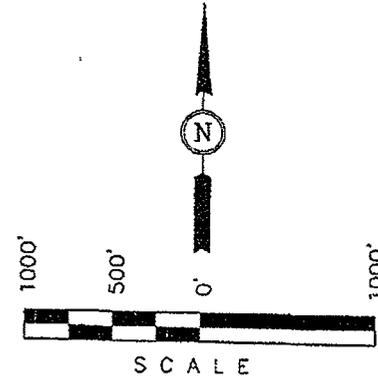


BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 164319
 STATE OF UTAH

LEGEND:

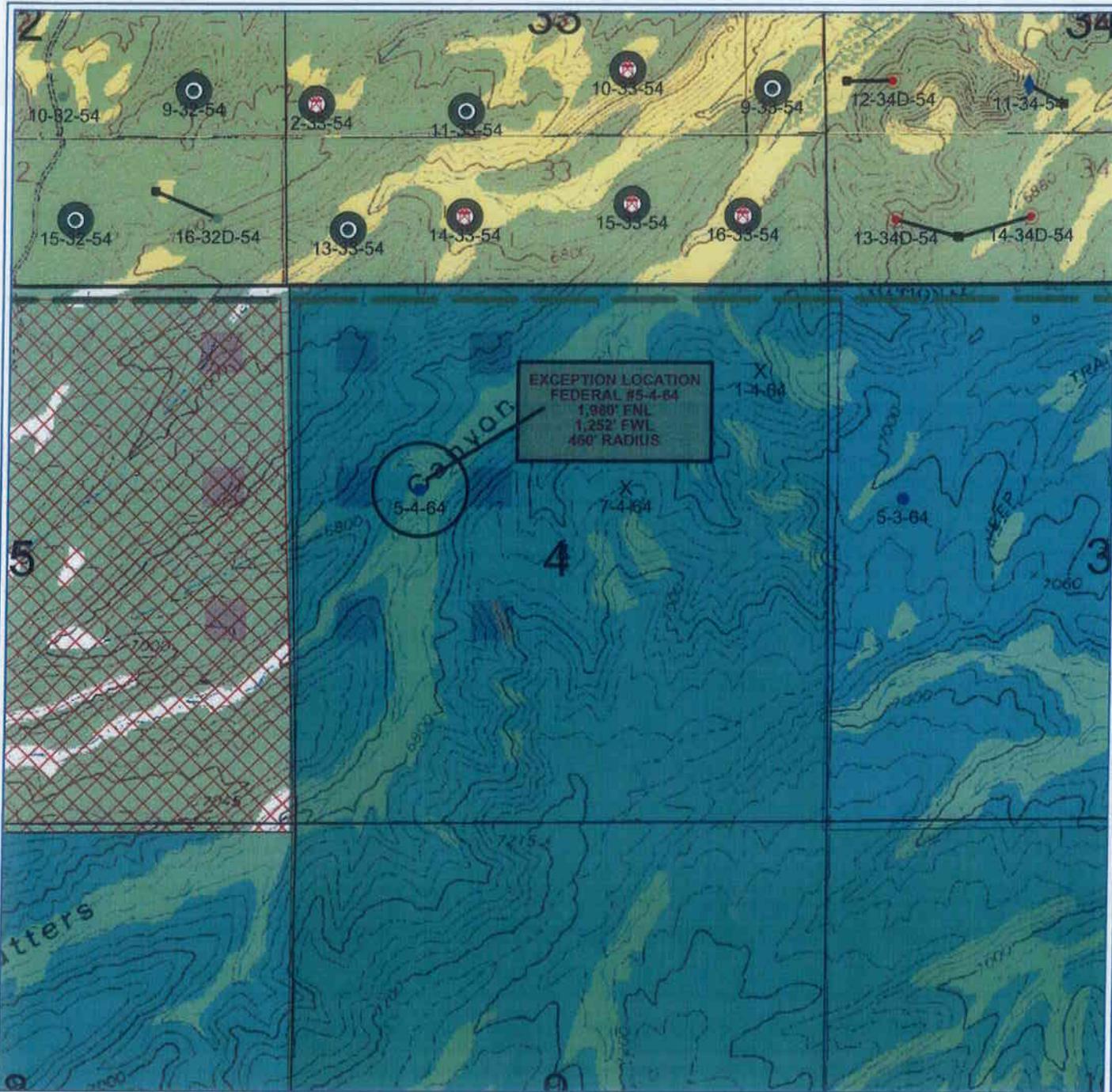
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 39°59'25.89" (39.990525)
 LONGITUDE = 110°20'42.62" (110.345172)
 (NAD 27)
 LATITUDE = 39°59'26.03" (39.990564)
 LONGITUDE = 110°20'40.07" (110.344464)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-14-06	DATE DRAWN: 03-15-06
PARTY B.H. J.T. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BERRY PETROLEUM COMPANY	



Berry Petroleum Company

Brundage Canyon Project

FEDERAL #5-4-64

Exception Location Plat

Sec. 4 T6S R4W - Duchesne Co, Utah



POSTED WELL DATA

●
Well Label

ATTRIBUTE MAP

 Any Raster Log IS PRESENT
 Any Digital Log IS PRESENT

WELL SYMBOLS

 Drilled 2006
 APD W/O Concurrence
 APD - Released to Stake and Survey
 Geologic Prognosis Prepared
 Forrest 06 Location
 Forest Service Location
 Oil Well

December 11, 2006

**Content Analysis and Summary of Comments
And Forest Service Responses**

**Berry Petroleum 2006 Oil and Natural Gas Exploration Project
Roosevelt/Duchesne Ranger District
Ashley National Forest**

Environmental Assessment - Dated May 2006

The following organizations sent letters or e-mail communications to the Ashley National Forest, in response to the 30 day comment period following publication of the *Berry Petroleum 2006 Oil and Natural Gas Exploration Project Environmental Assessment* (EA). The EA was published in hard copy format and posted on the website of the Ashley National Forest (<http://www.fs.fed.us/r4/ashley/projects>) on May 16, 2006. The formal comment period ended June 15, 2006. Two comment letters were received:

- I. **State and Federal Agencies** (one comment letter)
 - United States Fish and Wildlife Service - Mr. Henry R. Maddux
- II. **Private Individuals and Organizations** (one comment letter)
 - Utah Environmental Congress - Mr. Kevin Mueller

No comments were received from local governments.

The content analysis/summary of each comment within each of the two letters, and corresponding Forest Service responses are presented below.

RECEIVED
DEC 13 2006
DIV. OF OIL, GAS & MINING

L State and Federal Agencies - (one comment letter)

A. USDI Fish and Wildlife Service - Henry Maddux

1. General Comments

a) The EA does not provide information regarding the potential for successful reclamation after surface disturbance. The EA states the soils are dry to very dry (page 40) and there is low precipitation (page 44) throughout the project area. The EA also states there is an increased potential for noxious and invasive weed establishment because of project activities (page 23). Therefore, successful reclamation may be more difficult to achieve than in more favorable environments.

Forest Service Response

It may be more difficult to successfully reclaim project disturbances, compared to other areas, due to the naturally dry soils. However, we have seen successful natural reclamation of similar disturbances from past activities. To help assure that surface reclamation will be successful, the proponent will secure a reclamation bond with the BLM and USFS (See page 18 of the EA). To prevent establishment of noxious or invasive weeds, the proponent would also implement an intensive reclamation and weed control program after each segment of project completion. Portions of well pads and other project disturbances no longer required for continued operations would be reclaimed and reseeded. Weed control and monitoring would be conducted by the proponent throughout the life of the project (see page 21 of the EA).

2. Vegetation

a) The additional best management practices (page 44, first bullet) state that "Vegetation and/or structural measures to control erosion would be implemented within 60 days of initial soil disturbance..." While structural measures can be installed at any time, seeding should occur when appropriate for the area to ensure germination of the seeds. If this is not feasible, then the seeds should be protected from wind and erosion by covering them with mulch.

Forest Service Response

Reclamation seeding will be done in a manner that encourages seed germination and growth of appropriate species. Seed burial, mulching, or other methods may be required if timing is not optimum for seed germination. The 60-day limit was imposed to ensure that seeding is not postponed indefinitely.

b) Affected environment (starting on page 44) should include a section on invasive species (since they are indicated as occurring within the project area on page 23 in addition to the section on noxious weeds).

Forest Service Response

Although project related activities could increase the potential for invasive species to become established within the Project Area, they are not discussed in the Affected Environment Section because these species are not currently a major component of the Project Area.

c) The EA considered 41.7 acres as being impacted over the life of the project (page 49). However based on the potential for noxious and invasive weeds (page 23) and the existing soil and weather conditions (page 40 and 44) as stated above, we recommend considering all disturbances as having long-term impacts.

Forest Service Response

Not all project disturbances are considered to be long-term, because we anticipate being able to successfully reclaim the short-term surface disturbances. To prevent establishment of noxious or invasive weeds, the proponent will implement an intensive weed control program concurrent with and following project activities. Weed monitoring and reclamation measures would be continued on an annual basis (or as frequently as needed) throughout the life of the project (page 21).

3. Listed Plant Species

a) The first bullet under the best management practices for listed plant species states "... or a professional botanist would relocate the plants after approval from USFWS." We do not recommend removal of listed plant species. If listed plants are found to occur we recommend that the Forest Service reinstate Section 7 consultation with our office prior to ground disturbing activities as effects to the species are not discussed within the EA.

Forest Service Response

We are not aware of any listed plants that actually occur within the project area. In the quote above, we note that plant relocation would not occur without prior approval from USFWS, implying appropriate consultation procedures. We also note that our first and favored option would be to move, re-route, or drop particular well pads or roads from the proposal, to avoid impacts to listed plant populations.

4. Raptors

a) The Utah Field Office Guidelines for Raptor Protection from human and Land Use Disturbances (Raptor Guidelines) (Romin and Muck 2002) were developed to provide consistent application of raptor protection measures statewide and provide full compliance with environmental laws regarding raptor protection. The Raptor Guidelines (Romin and Muck 2002) recommend a buffer of 0.5 mile surrounding any raptor nest. We recommend increasing the survey area from ¼-mile (pages 54 and 74) to ½-mile to ensure adequate protection can be afforded to breeding raptors. Individual nest location, the nesting pair, vegetation in the area, and topology present between the nest and proposed well pad and road ROW will help define the final distance and time of year construction should occur with respect to the nest.

Forest Service Response

In order to determine the spatial buffers for raptor nests, Ashley National Forest biologists reviewed several factors including topography, vegetative screening, and available raptor nesting habitats in the Project Area. When these habitat features were compared to proposed development locations in the Project Area it was determined that physical structures (i.e., woodland vegetation, topographical features, etc.) would be present around all proposed development locations such that impacts associated with project activities would be reduced. To ensure adequate protection, all areas within ¼-mile of proposed development locations were surveyed for raptors. No active raptor nests were identified.

5. Golden Eagle

a) In addition to the spatial distance between nests and activities described above in the Raptors section, we recommend increasing the timing restriction within ½-mile of a golden eagle nest to January 1 to August 31. This will allow adequate protection for early nesters. In order to provide additional protections for the golden eagle, we recommend removing carrion within 100 feet from roadways, as safety allows within golden eagle foraging range.

Forest Service Response

Timing restrictions in the EA already preclude project activities from occurring between April 30th and August 31st, if an active raptor nest is found. In addition, timing restrictions in the EA for protection of elk during the winter preclude project activities from occurring between November 15th and April 30th. These timing restrictions would protect nesting raptors during the suggested time period (January 1st to August 31st). If an active golden eagle nest is documented within the Project Area, Ashley National Forest biologists will determine the spatial restrictions related to the nest based upon relevant factors such as topography, vegetative screening, and season of use.

6. Effects to Federally Listed Fish Species

a) Page 15 estimates water use at 28 acre-feet while page 111 estimates 37.4 acre-feet will be needed for project activities. Please clarify and make consistent throughout the document.

Forest Service Response

Berry would utilize 290,000 barrels (28.0 acre-feet) of water over a period of two to three years for drilling and completion of the proposed wells.

b) Water depletions from any portion of the occupied drainage are considered to adversely affect or adversely modify the critical habitat of the endangered fish species (Colorado pikeminnow, bonytail, razorback sucker, and humpback chub), regardless of whether water is taken from existing permitted sources (page 57, third and fourth bullets). The Forest Service should determine whether consultation has already occurred on the water use permits. If

consultation has not occurred and the water depletion has been permitted since 1988 (the inception of the Recovery Program), section 7 consultation with our office should be initiated. For depletion of 100 acre-feet or less, there is no depletion fee because the Recovery Program has made sufficient progress to be the reasonable and prudent alternative to avoid the likelihood of jeopardy to the endangered fishes and to avoid destruction of adverse modification of their critical habitat.

Forest Service Response

The Forest Service has completed Section 7 consultation with Fish and Wildlife Service regarding this project, including the proposed water usage.

7. General Wildlife Species

a) The short-term loss of habitat of 58.6 acres should be changed to long-term. Larger mammals and some bird species are displaced by forest service roads and may suffer habitat loss and displacement as a result. Roads tend to create habitat edge thereby favoring species that utilize this habitat. In addition, roads are a conduit for noxious and invasive species spread.

Forest Service Response

The 58.6 acres of short-term disturbance describes those habitats initially disturbed as a result of project activities. Portions of these areas would be reclaimed and would be available for use by wildlife. Page 72 of the EA discusses the potential impacts of displacement from human disturbance, traffic, and construction activities. To prevent establishment of noxious or invasive weeds, Berry would implement an intensive weed control program.

8. Floodplains

a) Given that well pads and roads will change the hydrology of the area (by diverting ephemeral drainages, page 109); the impacts to the system are expected to be long term. Ephemeral streams can serve as crucial refugia for amphibian species and are important nutrient sources for downstream biota. Impairment of these functions can result from construction activities and permanent structures. In addition, in flashflood prone systems, even ephemeral streams, are subject to catastrophic storm events. Therefore, ephemeral streams, especially those tributary to streams with sensitive species, should be afforded the same level of protection as perennial waters. To be consistent with the intent of Executive Order No. 11988 (Floodplain Management), we do not recommend sitting well pads in close proximity to ephemeral drainages especially those that need to divert drainages around the pads. We recommend use of the Oil and Gas Pipeline Crossing Guidance, minimization of crossings, and no placement of reserve pits or other contaminant-containing structures in areas prone to flash floods (i.e., wells should be developed using closed-looped drilling and Conditions of Approval should ensure no hazardous materials are stored onsite).

Forest Service Response

None of the diverted drainages exhibit riparian vegetation, or would provide suitable habitat or refuge for amphibians. As stated in the EA (page 109), where well pad locations would occur within 200 feet of perennial or ephemeral stream channels, erosion control structures would be placed to minimize and control surface water runoff from the well pad surfaces. These erosion control measures would include earthen berms surrounding the well pad to direct storm water away from the disturbed surfaces, and energy dissipating devices such as straw bales and silt fences in areas where the possibility of erosion exists. Additional erosion control structures would be constructed as needed at each well pad in consultation with the Forest Service. In addition, reserve pits would not be located in natural drainages, in areas where surface water runoff could enter the pit or damage the pit berms, or where flood hazards exist.

II. Private Individuals and Organizations - (one comment letter)

A. Utah Environmental Congress - Kevin Mueller

Comments from Kevin Mueller and the Utah Environmental Congress include comments directed to the EA in question, as well as a considerable volume of other documents specifically incorporated by reference. These other documents include prior comments from UEC on the Berry project, relative to public scoping, prior comments relative to other past and present Forest and non-Forest NEPA projects, as well as summaries of various independent and previously published reports. Those comments deemed applicable or relevant to this project have been summarized below.

1. UEC Comments Specific to the Published Berry EA

a) We incorporate by reference into these comments our 62-page scoping comment letter on this proposed action, dated June 21, 2006. We also incorporate by reference our 65 pages of comments on the EOG new oil/gas well proposed action, dated May 18, 2006. Many issues and concerns raised in these scoping/comments have not been addressed or responded to in this subsequent EA.

Forest Service Response

All comments from internal and public scoping, which were deemed to be relevant to the project, have been addressed in the EA. As discussed on page 5 of the EA, some of the issues or concerns raised during scoping were deemed to be non-key issues, and were therefore eliminated from further study. Non-key issues are those which are 1) outside the scope of the Proposed Action; 2) already decided by law, regulation, Forest Plan, or other higher level decision; 3) irrelevant to the decision to be made; or 4) conjectural and not supported by scientific or factual evidence.

b) Characterizing this 29 well proposal as "exploratory" is simply disingenuous.

Forest Service Response

We consider this proposal to be exploratory in nature, and therefore have characterized it as such. The location and spacing of the proposed wells, in areas of untested petroleum potential are characteristic of exploratory drilling. However, whether this project is characterized as

being exploratory, or not, does not change the fundamental nature of the proposal, increase or decrease the potential for adverse impacts, increase or decrease the proponent's existing lease rights, or change our analysis or decision to either approve or disapprove of the proposed activities. We feel we have adequately and accurately disclosed the nature of the proposed action.

c) This is also in conflict with the disclosure and analysis in the Western Uinta Basin FEIS/ROD that this is tiered to.

Forest Service Response

We see no conflict with the 1997 Western Uinta Basin Leasing EIS. The leasing EIS was concerned primarily with deciding which lands would be made available for minerals leasing, and what stipulations should be attached to any subsequent leases.

As part of the disclosure process, that EIS attempted to predict and characterize any reasonably foreseeable development that might occur, in the following 10 to 15 years, based on available data at that time. The EIS predicted and disclosed, 9 years ago, that 6 exploratory and 30 development wells might be proposed and drilled within the following 10 to 15 years. We note that only one exploratory well has actually been drilled on the Forest since that time. We also note considerable increases in petroleum prices, relevant changes in world politics, and improved technology for the petroleum industry since the EIS was published.

d) As we commented in scoping, the Forest must prepare an EIS.

Forest Service Response

The Forest Service considered your scoping comments, and determined that an EIS will not be required.

e) The Forest also must proceed with alternative development, which has literally not been done in the EA. It seems obvious, but apparently not, but there is a need to develop a 3-4 exploratory well action alternative to the 29 well proposed action. See the oil and gas EIS this EA is tiered to, which supports this proposition. This would more than meet needs for any exploratory drilling, and may work to resolve the presence of significant effects to TES/MIS resources, wetlands, IRA, and is consistent with the two other EIS's that this project is tiered to.

Forest Service Response

The Forest Service did not identify any additional alternatives, which were deemed viable and reasonable. Early and lengthy discussions with the proponent brought about several changes to the proposed action, which made analysis of additional alternatives unnecessary. An alternative that included only 3 or 4 wells was not considered viable, as it would not meet the purpose and need, either for the Forest Service or the proponent. The proponent would like to explore the entire northern boundary of their lease area for potentially economic oil and gas deposits, and has proposed doing so in a logical, straightforward, and reasonable way. Artificially

segmenting their proposed action into one or more smaller actions, simply to generate additional alternatives, would not be prudent, and would not be consistent with the intent of NEPA. There is no need to develop extra alternatives, which are not viable, and do not meet the purpose and need for the Forest Service or the proponent.

As part of the disclosure process, the 1997 Western Uinta Basin Leasing EIS attempted to predict the magnitude and nature of future oil and gas activities, based on available data at that time. The EIS does not say or imply that the predicted level of activity (6 exploratory wells and 30 production wells) would satisfy any Forest Service or industry needs, or that the prediction would somehow represent a viable alternative to an actual proposal, based on additional information beyond what was available in 1997.

f) The proposed action and its effects analysis are not consistent with the two EIS's it is tiered to and involves significant direct, indirect and cumulative impacts.

Forest Service Response

We see no inconsistencies with the 1997 Western Uinta Basin Leasing EIS. We assume that the implied second EIS refers to our Forest Plan, and we see no inconsistencies with that document either. The proposed action was carefully evaluated by our interdisciplinary team, for direct, indirect, and cumulative impacts, and the results of our evaluation and analysis can be found in our EA.

g) It was disappointing to hear on the radio that ANF staff told KCPW (after I gave them your number) that this proposed action includes no more than 5 exploratory wells. You know that this EA considers 29 wells.

Forest Service Response

This proposed action includes up to 29 proposed wells, from 14 proposed well pads, and one existing well pad, as clearly noted within the EA and elsewhere.

We were similarly disappointed with the content of the radio broadcast, noting several factual errors and important omissions. During our lengthy interview with KCPW staff, we clearly informed them that the Ashley National Forest had 2 active oil and gas drilling proposals: one from Berry Petroleum, and another from EOG Resources. The broadcasted quote reflected the EOG proposal. We apologize for any misunderstandings that KCPW may have generated.

h) The paleontological section of the EA is not supported by sufficient data to support a FONSI. "Brief field reconnaissance" conducted by USFS staff for the Sowers seismic exploration project in 2005 is not sufficient to support a FONSI. It actually highlights a need to prepare an EIS and need to do more than "brief field reconnaissance" due to uncertainty of presence of potentially significant effects to paleontological resources. The above is particularly obvious in light of paleo and current debris flows and fans known in all of the Project area drainages, and the fact that the proposed action will increase frequency and intensity of debris flows across the area.

Forest Service Response

As clearly noted on page 33 of the EA, a site-specific reconnaissance was also conducted for all of the proposed well pads, with no significant fossils being identified at any of the sites. The earlier "brief field reconnaissance" was conducted to establish the general nature, distribution, and overall abundance of paleontological resources within the overall South Unit area. It resulted in the conclusion that most bedrock outcrops within the South Unit were devoid of obvious fossils, whether classified as significant or not. An EIS is not required for paleontological resources, as none were noted during site-specific field surveys, no impacts to significant paleo resources are anticipated, and appropriate mitigations are in place to protect or recover any significant fossils that may be inadvertently discovered.

Although numerous debris flow fans do occur within the project area, they do not occur at all proposed project sites, or in all project area drainages. Debris flow fans within the project area are primarily of quaternary age, and are not known or expected to contain significant paleontological resources.

Debris flows within the project area are generally initiated high on steep canyon walls, as a result of runoff from high-intensity summer thunderstorms. The proposed action would not affect the frequency or intensity of debris flow events, as none of the activities would be located on steep canyon walls, where the debris flows are initiated, nor would the project be expected to influence the timing or intensity of summer thunderstorms.

i) The EA's table that compares impacts of alternatives to TES and MIS resources says the proposed action "would not affect" these resources. However, there will be direct, indirect, and cumulative impacts (that are disclosed, as well as others that are not yet disclosed in this draft EA) to sensitive and MIS species such as sage grouse, spotted bat, Townsend's big eared bat, golden eagles, Lincoln's sparrow, song sparrow, elk, mule deer, and macroinvertebrates.

Forest Service Response

Table 2-3 (page 23) of the EA notes and discloses short term impacts to various wildlife species. However, these impacts would not have substantial or lasting effects to wildlife, as discussed in the Wildlife Section of the EA (pages 51 through 80). The statement in Table 2-3 was intended to suggest that there would be no long term or substantially adverse impacts to these wildlife species.

j) The analysis on page 75-on in the EA to Sage grouse directly conflicts with UDWR 2005 Greater Sage Grouse Lek studies. For example, the EA says "true" sage grouse use areas are only on higher elevation ridge lines. The 2005 UDWR report does note that this is the only place ANF staff have looked recently. It also notes that there are two low elevation leks, Sand Wash and Wells Draw, have effectively been abandoned in the last 5 or so years. These are just to the north in the area that Berry et al has already built oil/gas wells. "This area has been heavily impacted by oil/gas development. Several active wells and a compressor are located near this lek" (UDWR 2005 Anthro Mountain summary).

Forest Service Response

The Forest Service has intensively monitored and studied sage grouse distributions and populations on the South Unit for the last five years, in cooperation with the UDWR. As determined from our studies, and as stated in the EA, sage grouse habitat use within the South Unit has primarily been on the sage brush ridge tops to the south of the currently proposed project area. Our study has not identified substantial use of lower elevation habitats within the South Unit. The EA, BE, and MIS Report all evaluate and analyze effects to sage grouse from the project. The Sand Wash and Wells Draw leks are not located within the Ashley National Forest, and therefore are monitored by the UDWR.

k) The EA also omits effects issues related to this UEC has already raised in earlier comments. One example being the already documented (detrimental) impacts to sage grouse from increased spread of viruses such as West Nile from the increases in standing water from this proposed type of oil/gas development.

Forest Service Response

The given example is not an issue that UEC has previously raised, relative to this project. However, our team considered this issue prior to completion of the EA, and determined that it was not a significant issue, and did not require further analysis or disclosure. Per the mitigation measures already incorporated with the proposed action, water-filled reserve pits will be drained and backfilled and reclaimed as soon as reasonably possible, following the drilling of each well. Reserve pits would also be fenced, to discourage wildlife from accessing them until reclaimed.

It is acknowledged that west nile virus has been found to infect and cause mortality in some sage grouse populations. However, several sage grouse carcasses from the Anthro Mountain population with unknown causes of death have been tested for west nile virus, and the tests were negative. The temporary nature of the proposed reserve pits would result in a negligible increase in mosquito habitat, when compared to the amount of water in stock ponds, water troughs, guzzlers, and other water developments in the area that currently provide continued breeding habitat for mosquitoes.

l) We encourage a commitment to full adherence to the objectives, monitoring, standards, and guidelines of INFISH, as is implied –but not committed to- in the draft EA.

Forest Service Response

Comment is acknowledged. INFISH guidelines have been considered, and will be followed as appropriate, relative to actual site-specific habitat potential.

m) There seems to be no way to avoid sub-standard water quality and aquatics conditions with implementation of the proposed action, given natural site conditions combined with cumulative

impacts of past actions that are detrimental, but never disclosed. This is another reason why full alternative development is needed, as well as an EIS.

Forest Service Response

Although some drainages within or near the project area do exhibit substandard water quality, this occurs primarily from naturally occurring geologic and climatic conditions (e.g. highly erosive soils, saline bedrock facies, and high-intensity rain events). None of the proposed activities are located immediately adjacent to aquatic habitats or flowing streams.

Implementation of the proposed action would have little or no adverse impact on water quality, and as such, no additional alternatives are needed. The Forest Service has determined that an EIS will not be required.

n) We recently got an appeal decision from this Forest saying you are planning right now under the 2005 NFMA rules. This is a big problem, as planning under that context is under Forest Plans that –by regulatory mandate- do not contain standards, decisions, or commitments. We incorporate by reference UEC’s comments sent to the ANF earlier this year in response to your NOI to switch plan revision to the 2005 NFMA rules.

Forest Service Response

As discussed at our April 5th meeting, we are implementing our Forest Plan under the transition language found at CFR 219.14 in the 2005 planning regulations. One option available under the transition language is that we continue to implement under the 1982 rule. Until an EMS is in place, the Forest is using the current Forest Plan based on the 1982 regulations to develop and implement projects. If during this transition, the Forest Plan needs amending, amendments to the Plan would be based on the 1982 NFMA regulations as well.

o) In conclusion, in light of the legal, procedural, and substantive problems and reasons outlined, it is obvious now that, if the impacts are not clearly significant, the impacts may be significant, and an EIS is necessary.

Forest Service Response

The Forest Service has determined that an EIS will not be required. Following a careful review of your comments, we continue to believe that the EA adequately addresses and discloses all relevant and substantive issues, relative to the proposed action, and that none of the purported or implied legal, procedural, or substantial problems have merit.

2. Additional Past UEC Comments, Relative to Berry Public Scoping

a) This proposed action, as noted above, is for up to 29 miles of oil/gas wells. To characterize this as just exploration would not be honest. This is a large oil/gas development proposal. In fact, this is substantially larger than any oil/gas development proposed action contemplated on any National Forest in Utah since UEC formed in 1998.

This proposed Berry action is one component of the larger oil and gas development action on the south unit, which is essentially oil and gas field development of the largest scale seen on the Ashley NF to date, and the largest field development action on any Forest in Utah in many years.

In reality the known facts are that the south unit is undergoing oil and gas field development of fields or plays that are already known to be economically viable and have already been (or are) in various stages of oil and gas field development to the north, east and south of this unit of Forest Service land. Even just to the west, the Uinta NF is presently scoping yet another oil-gas well construction project in the starvation ridge area.

Forest Service Response

The difference between exploration and development activities is related to the purpose for the wells, and the complexity, nature, and size of the resource deposit being sought or explored, and not simply to the scale or number of wells being proposed. Similarly, a lack of numerous or similar drilling proposals, in the quite recent past, does not change the size or nature of the current proposals, or somehow elevate them from exploratory to development. Although UEC acknowledges not having experience with similar or larger proposals in the past, that also, by itself, does not make the current proposals extraordinary or unusual for the industry in any way, nor does it somehow alter their exploratory nature.

Finding economic oil or gas reserves, or other minerals, several miles to the east, west, or south of a given area is no guarantee that the given area will contain similar minerals or economic oil or gas reserves. This is especially true when surrounding deposits are known to be discontinuous, irregular in outline, and somewhat different in nature. Many economic mineral deposits are highly localized and irregular in outline, and require considerable technical science and risk, to accurately determine the locations and economic and geologic limits of such deposits.

The Forest Service disagrees that it is a known fact the South Unit is currently undergoing field development, particularly since the petroleum industry itself cannot accurately predict future development without further exploration and data. If Berry Petroleum was certain that large and economically viable oil and gas deposits existed within their lease areas, and could reliably determine the outline of those deposits, we would expect them to propose numerous drillholes at production spacing, filling and following the irregular outline of a known deposit, rather than the widely spaced fence of exploratory drillholes currently being proposed.

In order to maintain perspective on the level of development on the South Unit, we note that there is currently only one producing oil and gas well on the South Unit.

b) There is also an experimental component of the proposed action, which is to assess the technical and economic viability of directional drilling. Should the assessment of this technique not prove effective... it is reasonably foreseeable that the number of roads and drill pads may be significantly greater than currently assumed or described.

Forest Service Response

The proposed action includes the drilling 14 vertical exploratory wells, from 14 new well pads, along with needed construction or upgrading of access roads to reach the proposed drilling sites. The proposed action also includes the possibility of drilling an additional directional well from each of the 14 newly proposed well pads, as well as from their currently existing well pad. If directional drilling does not prove to be technically or economically viable, then that portion of the proposal would not be fully completed. No additional roads or well pads would be constructed, simply because the proponent chooses not to drill some of the wells being proposed.

c) Berry Petroleum already has one active well in the project area that is currently producing both oil and gas. In conflict with FS directives, the exploratory characterization provided to the public for that well, and presented in the DM was never accurate. The company and the Forest were aware that it was really development, not exploration.

Forest Service Response

See our previous comments regarding exploration. Berry's 6-2-65 well was clearly exploratory at the time it was proposed, when it was approved, and when it was drilled. Although Berry was certainly hoping to discover thick black petroleum, it was unclear how much would be encountered, and whether or not the well would prove to be economically viable. After drilling and testing were completed, the well did prove to be economically viable, producing considerable and unexpected quantities of natural gas, in addition to the thick black petroleum being sought. That the well subsequently proved to be economically viable, however, does not change the exploratory nature of the well when it was being proposed and drilled.

d) It is obvious that the greater action or proposal for oil and gas field development across the south unit of the Duchesne RD is a major federal action with effects so obviously significant that need for and EIS is obviated. We urge the Forest to file a NOI to prepare an EIS and commence scoping for that as soon as possible.

Forest Service Response

The Forest Service has carefully evaluated the proposed action and related issues, and determined that an EIS will not be required. While there are currently several proposals for mineral exploration, within the South Unit of the Ashley National Forest, they do not constitute small parts of a greater or unified action. Current proposals are clearly independent from each other, coming from different companies, seeking different commodities, in different ways, and from different rock layers, structures, or areas. To characterize all current and future exploration or development as a single greater action is inaccurate.

e) The Forest needs to file an NOI to prepare an EIS because of the appeal resolution agreement that the Forest and the UEC both signed on June 8, 2005. Any future oil and gas well project on the south unit of the Duchesne Ranger District will begin with the assumption that an EIS is required and will be scoped as such, and an NOI to prepare an EIS will be filed in the Federal Register. The Forest has not but still can and must file a NOI to prepare and EIS in the Federal Register and scope this project as an EIS.

Forest Service Response

The first item of the appeal resolution agreement (Item 1) states that future oil and gas well projects would start with the assumption that an EIS is required, and that an NOI should be published in the Federal register. However, the agreement does not stop after that first item. Following Item 1 are several additional items, which clearly build upon, modify, and provide exceptions to it.

Item 2 clearly states "If at any time during the analysis, the deciding official feels that a Finding of No Significant Impact (FONSI) can be supported or a CE is contemplated" the responsible official would notify interested parties of the change, provide a comment period on the use of a CE or EA/FONSI, and provide an opportunity to discuss our rationale with UEC. We provided a 30-day comment period for the EA. We also feel that our rationale for not needing to prepare an EIS was clearly presented and discussed with UEC during our April 5, 2006 meeting.

Item 3 then builds on this, by the Forest Service agreeing to release the EA for an official 30-day comment period, if the deciding officer affirms that an EA and FONSI are appropriate for a particular well drilling project, rather than an EIS. As noted above, we released the EA for a 30-day public comment period.

Item 4 of the agreement then modifies and builds on Item 1 again, by noting that for oil and gas wells that are deemed exploratory, the option remains to use CE's as appropriate. The proposed wells are obviously exploratory, as discussed above, as discussed at length in our April 5th meeting, and as described in the EA that was prepared for this project.

f) CEQ regulations at section 1508.27(7) tell agencies to consider whether the action is related to other actions with individually insignificant but cumulatively significant impacts. Significance exists if it is reasonable to anticipate a cumulatively significant impact on the environment. Significance cannot be avoided by terming an action temporary or breaking it down into small component parts. The present compartmentalization of effects via oil and gas development on the south unit via breaking the action apart into smaller components, each approved via CE or EA instead of proceeding with an EIS is just this.

Agencies are not allowed to avoid their responsibilities for cumulative effects analysis under NEPA by artificially dividing a larger plan or action into smaller components

Forest Service Response

Cumulative effects from the proposed action are clearly considered, discussed, and disclosed in the EA. The Forest Service is not breaking apart or compartmentalizing proposed oil and gas exploration on the South Unit, as no single larger action exists to be segmented. Current exploration proposals are clearly independent from each other, coming from different companies, seeking different commodities, in different ways, and from different rock layers, structures, or areas. To characterize current and future exploration or development as a single greater action would be inaccurate.

g) We are concerned about irretrievable and irreversible commitments of roadless and wilderness resources for this region.

The UEC hereby incorporates by reference GIS coverage of our roadless area inventory into these comments. The UEC also requests that the development and analysis of the proposed action and range of alternatives treat our roadless area inventory as a driving issue. We believe that our roadless area inventory should be a driving issue because you are currently in Forest Plan Revision and are in the process of developing a roadless inventory pursuant to the same System-wide criteria that we used.

Forest Service Response

Potential impacts to special management areas, including inventoried roadless areas, are discussed in the EA on pages 119-123. Possible future modifications to our roadless inventory, based on recommendations from UEC, are beyond the scope of this EA and decision.

h) Various comments relative to the migratory birds, the Migratory Bird Treaty Act, and Executive Order 13186. UEC recommends that you conduct activities outside critical breeding seasons for migratory birds, minimize temporary and long-term habitat losses, and mitigate all unavoidable habitat losses. If your activities occur in the spring or summer, we recommend you conduct surveys for migratory birds to assist you in your efforts to comply with the Migratory Bird Treaty Act.

Forest Service Response

Bird surveys were conducted within the project area in the spring of 2006. The results of this survey can be found in the Migratory Bird Survey and Raptor Nest Inventory Report prepared for this project, the MIS Report, Biological Evaluation, and the EA. Potential impacts to various migratory bird species, including Forest Service-Sensitive and Management Indicator Species, are discussed throughout the wildlife section of the EA, and are specifically addressed on pages 52-53 and page 73. Detailed information regarding special status migratory birds potentially occurring in or near the Project Area is presented in the Biological Evaluation and Management Indicator Species Evaluation reports available for inspection at the Duchesne Ranger District.

i) This triggers the need for a roads analysis on the south unit sufficient to inform decisions removing and adding all maintenance level roads involved. We understand that the development of the Roads Analysis Report (RAP) and the Report itself is not required to be a part of a NEPA process, but it may be done as such.

Forest Service Response

A Forest-wide roads analysis has been completed.

j) The economic cost of the proposed new road construction must be rigorously evaluated. The Forest already has a huge maintenance and deferred maintenance backlog. Addition of new classified road will only compound this problem.

Forest Service Response

New or upgraded roads would be built and or maintained by the proponent for the life of the project. Therefore the Forest Service would not incur increased road maintenance costs from this project.

k) Will the Forest issue the surface plan of operations, and do you think that any agency is charged with protection of surface resources in the area other than the Forest Service? We expect that the Forest Service will ensure that it fulfills its duties to protect surface resources and values. While we assume that leases have been issued? If any are pending or not final, if harm to such resources cannot be prevented, the BLM may not issue the leases over the objection of the Forest Service.

Forest Service Response

The Forest Service does not "issue" a "Surface Plan of Operations" for oil and gas-related activities. As required by law, the Surface Use Plan was submitted to the BLM by the proponent, as part of the formal Application for Permit to Drill (APD) package. When the surface in question is managed by the Forest Service, the BLM forwards the Surface Use Plan to the Forest Service for review and approval. When the Surface Use Plan is approved by the Forest Service, any needed mitigations or conditions are then forwarded back to the BLM, who attach them to the APDs as Conditions of Approval (COA). The BLM then approves the Drilling (or subsurface) Plan, adds whatever additional subsurface requirements or mitigations that they may have, and signs the APDs, thereby authorizing the drillholes to be drilled. With that in mind, the Forest Service is fully responsible for appropriate protection of surface resources, as well as balancing that protection with various other public needs, rights, and laws.

The proposed project would take place entirely within existing leases.

l) A surface resource of particular concern is the Colorado River Cutthroat Trout populations and habitat in the cumulative effects areas, as well as effects to TES species down stream. All project-related structures, roads, and development should be located outside of the riparian habitat conservation area so that adverse effects to this population are avoided. Suitable and more importantly effective mitigation that avoids all impacts at every opportunity possible should be integrated into the project design to prevent any harm to TES and MIS fish and wildlife and plants. Impacts that are direct, indirect, and cumulative to the watersheds and the TES and MIS plants and animals both on the ridgelines and down the watersheds below must be treated as significant, driving issues in the NEPA analysis.

Forest Service Response

No fisheries occur within the Project Area. The nearest population of special status fish species occurs approximately 65 miles downstream of the Project Area. Potential impacts to these

species are discussed in the Wildlife section of the EA (pages 51-80). Cutthroat trout are specifically discussed on pages 60-62. Cutthroat trout do not occur in or near the Project Area and therefore are not discussed in the impacts section.

Suitable and appropriate mitigation was built into the Proposed Action, as deemed necessary to protect TES, MIS and other surface resources. A Biological Assessment, Biological Evaluation, and Management Indicator Species Evaluation have been completed in conjunction with the EA.

m) A BE/BA needs to be prepared and used to inform the development of the range of alternatives (if any), including the proposed action in the EA that should be prepared. Consultation with the FWS, and a BO is needed. Failure to do this may be inconsistent with the ESA, as well as FSM/FSH, NFMA, and Forest Plan direction relating to maintaining and improving populations and habitat for TEPCS species' populations and their habitat.

Forest Service Response

A Biological Assessment, Biological Evaluation, and Management Indicator Species Evaluation have been completed in conjunction with this project and EA. We have been in consultation with the Fish and Wildlife Service, and have their concurrence for this project.

n) Since habitat for mollusks, amphibians and tall forbs are directly impacted by current and proposed projects such as this, the Forest needs to consider if it should modify the proposed action such that it address and resolves all direct and indirect impacts to mollusks, native amphibians and tall forb communities and their habitat. You need to do project level surveys for Uinta Mountainsnail, as the FWS reports that populations have recently been discovered in this region, when in the past it was only found on the south slope of the Uintas.

Forest Service Response

No impacts to tall forbs are expected, since disturbance associated with the Proposed Action would be limited to sagebrush-grasslands.

Habitat for mollusks and native amphibians, within or adjacent to project activities, is limited to Sowers Creek. The only project activities planned along Sowers Creek are located well away from the creek itself, and the associated riparian areas.

The Fish and Wildlife Service found no evidence that the Uinta Mountain snail is a separate species, or that it merits listing (USDI F&WS 2005). There are only two locations on the Forest that the Uinta Mountain snail was suspected to inhabit, and only one location on the District. The nearest suspected location is on the south slopes of the Uintas, and is more than 50 miles north of the project area.

o) This is in Lynx habitat that has been used in recent years, and is in Lynx corridor designation. The proposed action would need to incorporate Lynx Conservation Assessment and Strategy (LCAS) standards and guidelines. Remember, lynx have crossed this area within the last few years, and may be in or return again in the near future. We encourage the Forest to implement mitigation measures in the proposed action that significantly exceed the LCAS standards and guidelines. In addition to simple incorporation of LCAS standards and guidelines, we request that the DEIS and FEIS include rigorous analysis of the direct and indirect cumulative effects of past present and reasonably foreseeable grazing, logging, mining, and recreational impacts to Lynx and Lynx habitat.

Forest Service Response

While a transient collared lynx was documented crossing the south slope of the Uinta Mountains, no lynx have been documented on the South Unit, or within the project area, where lynx habitat does not occur.

p) We urge the Forest not to approve or consent/concur to this proposed action at this time. UEC does not want the Forest Service to allow this activity in this beautiful and very visible area.

Forest Service Response

Comment is acknowledged. No response needed.

q) There are presently also many substantive and procedural violations of law, regulation and policy at this time that may be triggered by proceeding with the proposed action without sufficient cumulative impacts analysis, a complete description of the proposed action, and changes in management direction for the area.

Forest Service Response

We feel that the Proposed Action has been described sufficiently well for all reasonable needs and analysis, and that the EA adequately addresses cumulative impacts. Despite a careful review of your numerous comments, we do not believe there have been any substantive or procedural violations of law, regulation, or policy.

3. Additional Past UEC Comments, Relative to Other Projects

a) I have not been able to read this unusually large EA so that I can provide as many constructive and meaningful comments as I want to.

Forest Service Response

Comment is acknowledged, and refers to the recent EOG EA. No response needed.

b) Commenter incorporates by reference the EOG Chapita Wells DEIS prepared by the Vernal Field Office of the BLM and suggests the need for an interagency, single EIS.

Forest Service Response

The Proposed Action and the cited EIS represent completely separate and unrelated actions. The fact that both actions are related to oil and gas exploration is not sufficient reason to link the two, or suggest that a common EIS is needed or appropriate.

c) UEC urges the Forest to deny surface occupancy at every opportunity legally available.

Forest Service Response

The conditions under which surface occupancy may be denied are clearly listed in the Western Uinta Basin Oil and Gas Leasing EIS, and were attached as stipulations to the subsequently issued federal oil and gas leases. The Forest Service has enforced these stipulations, as deemed appropriate, and will continue to do so. To simply oppose surface occupancy "at every opportunity legally available" would be in conflict with National, Agency, and Forest-level minerals direction, regulations, and mandates.

(end of document)



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

December 14, 2006

Berry Petroleum Company
Rt. 2, Box 7735
Roosevelt, UT 84066

Re: Federal 5-4-64 Well, 1980' FNL, 1252' FWL, SW NW, Sec. 4, T. 6 South,
R. 4 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33450.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Berry Petroleum Company
Well Name & Number Federal 5-4-64
API Number: 43-013-33450
Lease: UTU-77314

Location: SW NW Sec. 4 T. 6 South R. 4 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED
MAY 16 2007

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR DIV. OF OIL, GAS & MINING
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. TYPE OF WORK <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. Unit or CA Agreement, Name and No.	
1b. Type of Well: <input checked="" type="checkbox"/> Oil well <input type="checkbox"/> Gas well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single well <input type="checkbox"/> Multiple wells		8. Lease Name and Well No. FEDERAL 5-4-64	
2. Name of Operator BERRY PETROLEUM COMPANY		9. API Well No. 43-013-33450	
3a. Address 4000 SOUTH 4028 WEST RT. 2 BOX 7735, ROOSEVELT, UT. 84066		10. Field and Pool, or Exploratory BRUNDAGE CANYON	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SW/NW 1980' FNL, 1252' FWL At proposed prod. zone SAME AS ABOVE		11. Sec., T. R. M. or BLK. and Survey or Area SEC. 4, T.6S., R.4W. U.S.B.&M.	
14. Distance in miles and direction from nearest town or post office* 23.0 MILES FROM MYTON, UTAH		12. County or Parish DUCHESNE	13. State UTAH
15. Distance from proposed* location to nearest property of lease line, ft. (Also to nearest drig. Unit line, if any) 1252'	16. No. of acres in lease 1920.00 ✓	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed* to nearest well, drilling, completed, applied for, on this lease, ft. N/A	19. Proposed Depth 5580'	20. BLM/BIA Bond No. on file UTB000035	
21. Elevations (Show whether DF, KDB, RT, GR, etc.) 6715' GR	22. Approximate date work will start* UPON APPROVAL OF APD	23. Estimated duration APPROXIMATELY 6 DAYS	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Shelley Crozier</i>	Name (Printed/Typed) SHELLEY CROZIER	Date 12/06/06
Title OPERATIONS, ACCOUNTING & REGULATORY SUPERVISOR		
Approved by (Signature) <i>Terry Newell</i>	Name (Printed/Typed) Terry Newell	Date 5-9-2007
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* (Instructions on page 2)

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NOTICE OF APPROVAL

UDOGM

No NOS

07CX50141A



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Berry Petroleum Company
Well No: Federal 5-4-64
API No: 43-013-33450

Location: SWNW, Sec. 4, T6S, R4W
Lease No: UTU-77314
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

See Attached Forest Service SUPO - Conditions of Approval.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- The top of the production casing cement shall extend a minimum of 200 feet above the surface casing shoe.
- All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the internal yield strength of the casing.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

SUPO - Conditions of Approval

For Berry Proposed Well # 5-4-64

The following is a list of conditions of approval, for the proposed well noted above, which are being required by the Ashley National Forest. These conditions are in addition to those listed in the Surface Use Plan of Operations (SUPO) and APD that were submitted for the proposed well.

Vegetation Resources

- To reduce the spread/introduction of noxious and invasive weed species via project-related vehicles and equipment into the Project Area, Berry and its contractors would power-wash all construction equipment and vehicles prior to the start of construction.
- During the construction phase of the project, Berry will implement an intensive reclamation and weed control program after each segment of project completion. Berry will reseed all portions of well pads and the ROW not utilized for the operational phase of the project, as well as any sites within the Project Area determined necessary by the USFS. Reseeding will be accomplished using native plant species indigenous to the Project Area. Post-construction seeding applications will continue until determined successful by the USFS. Weed control will be conducted through an Approved Pesticide Use and Weed Control Plan from the Authorized Officer. Weed monitoring and reclamation measures will be continued on an annual basis (or as frequently as the Authorized Officer determines) throughout the 30 year life of the project.

Wildlife Protection

- Prior to any surface disturbing activity between April 30 and August 31, Berry or their contractor, in coordination with a USFS Biologist, would survey all areas within 0.25 mile of proposed surface disturbance for the presence of raptor nests. If occupied/active raptor nests are found, construction would not occur during the critical nesting season for that species within the species-specific spatial buffer, unless the nest is obscured from visual or noise-related impacts through vegetative or topographic screening. USFS biologists would determine spatial buffers based on site-specific vegetative and topographic features within the vicinity of occupied nests.
- Well pad and road construction, roads upgrading, and drilling operations will not be conducted between November 15 and April 30, to protect elk winter range.

Access Roads

- Construction or upgrading of roads would not be allowed during muddy or frozen conditions. Should mud holes develop, they would be filled in and detours around them are not allowed.

- Where road developments cross existing cattle fences, cattle guards will be installed and fences will be repaired to functioning condition.
- As needed, Berry would apply water to utilized roads to reduce fugitive dust from vehicle traffic. If water application does not adequately reduce fugitive dust, the use of Magnesium Chloride (MgCl) would be considered.
- Road drainage crossings for new or upgraded roads will be designed so they do not cause siltation or accumulation of debris in the drainage crossing, and the drainages will not be blocked by the roadbed.

Soils / Water / Floodplains / Wetlands

- Vegetation and/or structural measures to control erosion will be implemented as soon as possible after initial soil disturbance to prevent erosion of disturbed soils.
- Energy dissipaters such as straw bales and silt fences may be required to prevent excess erosion of soils from disturbed areas into adjacent surface waters or floodplains. These structures would be installed during construction, and would be left in place and maintained for the life of the project or until the disturbed slopes have revegetated and stabilized.
- Earthen berms or other appropriate water diversion structures will be required for this site, to divert ephemeral surface drainages and potential debris flows away from the well pad and reserve pit areas. Diversion will be done in a way that minimizes impacts to the existing channels and canyon bottom, and also protects the well site from potential flooding. These structures would be installed during construction, and would be left in place and maintained for the life of the project or until all disturbed areas have been reclaimed, revegetated, and stabilized.

Noise

- Pump jack engines would be equipped with high grade mufflers to reduce noise during the operational life of the project.

Reserve Pit

- All pits containing materials that might be hazardous to wildlife would be covered with steel mesh screen or netting to prevent entry by migratory birds, bats, or other wildlife species.
- The reserve pit would be lined with 20 mil synthetic reinforced material. The liner would overlay a felt liner pad which would protect the liner from punctures if rock is encountered during excavation.

(end of document)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:

FEDERAL

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

UTU-77314

8. Well Name and Number:

FEDERAL 5-4-64

9. API Well Number:

43-013-33450

10. Field and Pool, or Wildcat:

BRUNDAGE CANYON

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

BERRY PETROLEUM COMPANY

3. Address and Telephone Number:

4000 SOUTH 4028 WEST, RT. 2 BOX 7735 ROOSEVELT, UTAH 84066 (435) 722-1325

4. Location of Well:

Footages: 1980' FNL, 1252' FWL

QQ, Sec., T., R., M.: SW/NW SEC. 4, T6S, R4W USB&M

County: DUCHESNE,

State: UTAH

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

NOTICE OF INTENT

(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other ONE YEAR EXTENSION
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other _____
- New Construction
- Pull or Alter Casing
- Reperforate
- 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 REPORT AND LOG form.

* Must be accompanied by a cement verification report.

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

BERRY PETROEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

STATE BOND #RLB0005651

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12-17-07
By: *[Signature]*

RECEIVED

DEC 11 2007

DIV. OF OIL, GAS & MINING

Name & Signature:

SHELLEY E. CROZIER *[Signature]*

Title:

REGULATORY & PERMITTING SPECIALIST

Date:

12/10/07

(This space for Federal or State office use)

COPY SENT TO OPERATOR

Date: 12-17-2007
Initials: *[Signature]*

RESET

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33450
Well Name: FEDERAL 5-4-64
Location: (SW/NW) 1980' FNL, 1252' FWL, SEC. 4-T6S-R4W
Company Permit Issued to: BERRY PETROLEUM COMPANY
Date Original Permit Issued: 12/14/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Sherry E. Crozier
Signature

12/10/2007
Date

Title: Regulatory & Permitting Specialist

Representing: Berry Petroleum Company

RECEIVED
DEC 11 2007
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:

UTU-77314

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

FEDERAL 5-4-64

9. API Well Number:

43-013-33450

10. Field and Pool, or Wildcat:

BRUNDAGE CANYON

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

BERRY PETROLEUM COMPANY

3. Address and Telephone Number:

4000 SOUTH 4028 WEST, RT. 2 BOX 7735 ROOSEVELT, UTAH 84066 (435) 722-1325

4. Location of Well:

Footages: 1980' FNL, 1252' FWL

QQ, Sec., T., R., M.: SW/NW SEC. 4, T6S, R4W USB&M

County: DUCHESNE,

State: UTAH

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

NOTICE OF INTENT

(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other ONE YEAR EXTENSION
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other _____
- New Construction
- Pull or Alter Casing
- Reperforate
- 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 REPORT AND LOG form.

* Must be accompanied by a cement verification report.

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

BERRY PETROEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

STATE BOND #RLB0005651

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12-22-08
By: [Signature]

Name & Signature:

SHELLEY E. CROZIER [Signature]

Title:

REGULATORY & PERMITTING SPECIALIST

Date:

12/16/08

(This space for Federal or State office use)

COPY SENT TO OPERATOR

Date: 12-30-2008

Initials: KS

RECEIVED

DEC 17 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33450
Well Name: FEDERAL 5-4-64
Location: (SW/NW) 1980' FNL, 1252' FWL, SEC. 4-T6S-R4W
Company Permit Issued to: BERRY PETROLEUM COMPANY
Date Original Permit Issued: 12/14/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Shelley E. Crozier
Signature

12/16/2008
Date

Title: Regulatory & Permitting Specialist

Representing: Berry Petroleum Company

RECEIVED
DEC 17 2008
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-77314

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.
FEDERAL 5-4-64

2. Name of Operator
BERRY PETROLEUM COMPANY

9. API Well No.
43-013-33450

3a. Address
4000 SOUTH 4028 WEST, RT. 2, BOX 7735
ROOSEVELT, UTAH 84066

3b. Phone No. (include area code)
(435) 722-1325

10. Field and Pool or Exploratory Area
BRUNDAGE CANYON

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FNL, 1252' FWL (SW/NW) SEC. 4-T6S-R4W USB&M

11. Country or Parish, State
DUCHESNE COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other 1 YEAR EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

BERRY PETROLEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

ORIGINAL APPROVAL DATES:
STATE: 12/14/2006
BLM: 5/9/2007

RECEIVED
VERNAL FIELD OFFICE
2009 FEB 25 PM 1 29
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

SHELLEY E. CROZIER

Title REGULATORY & PERMITTING SPECIALIST

Signature

Shelley E. Crozier

Date 02/25/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

[Signature]
Petroleum Engineer

Date MAR 31 2009

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

CONDITIONS OF APPROVAL ATTACHED

APR 20 2009

DIV. OF OIL, GAS & MINING



CONDITIONS OF APPROVAL

Berry Petroleum Company

Notice of Intent APD Extension

Lease: UTU77314
Well: Federal 5-4-64
Location: SWNW Sec 4-T6S-R4W

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 5/9/2010.
2. If needed another extension request shall be submitted prior to 5/9/2010 in order for the APD to not expire on that date.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77314
2. NAME OF OPERATOR: BERRY PETROLEUM COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 4000 S. 4028 W. CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL, 1252' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 4 T6S R4W		8. WELL NAME and NUMBER: FEDERAL 5-4-64
PHONE NUMBER: (435) 722-1325		9. API NUMBER: 4301333450
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: BRUNDAGE CANYON
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>1 YR. EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BERRY PETROLEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

Approved by the
Utah Division of
Oil, Gas and Mining

STATE BOND #RLB0005651

Date: 12-03-09
By: [Signature]

COPY SENT TO OPERATOR

Date: 12.10.2009

Initials: KS

NAME (PLEASE PRINT) <u>SHELLEY E. CROZIER</u>	TITLE <u>REGULATORY & PERMITTING SPECIALIST</u>
SIGNATURE <u>[Signature]</u>	DATE <u>12/1/2009</u>

(This space for State use only)

RECEIVED
DEC 02 2009
DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33450
Well Name: FEDERAL 5-4-64
Location: (SW/NW) 1980' FNL, 1252' FWL, SEC. 4-T6S-R4W
Company Permit Issued to: BERRY PETROLEUM COMPANY
Date Original Permit Issued: 12/14/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Shelley E. Crozier
Signature

12/1/2009
Date

Title: Regulatory & Permitting Specialist

Representing: Berry Petroleum Company

RECEIVED
DEC 02 2009
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

APR 09 2010

BLM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU77314
2. Name of Operator BERRY PETROLEUM COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address ROUTE 2, BOX 7735 ROOSEVELT, UT 84066		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 435-722-1325 Fx: 435-722-1321		8. Well Name and No. FEDERAL 5-4-64
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T6S R4W SWNW 1980FNL 1252FWL		9. API Well No. 43-013-33450-00-X1
		10. Field and Pool, or Exploratory BRUNDAGE CANYON
		11. County or Parish, and State DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BERRY PETROLEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

THE APD WAS ORIGINALLY APPROVED ON MAY 1, 2007. WITH A ONE YEAR EXTENSION BEING APPROVED ON MARCH 31, 2009.

RECEIVED

MAY 06 2010

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

VERNAL FIELD OFFICE
ENG. _____
GEOL. _____
E.C. _____

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

Electronic Submission #84526 verified by the BLM Well Information System
For BERRY PETROLEUM COMPANY, sent to the Vernal
Committed to AFMSS for processing by GAIL JENKINS on 04/09/2010 (10GXJ2732SE)

Name (Printed/Typed) KATHY K FIELDSTED	Title SR. REGULATORY & PERMITTING TE
Signature (Electronic Submission)	Date 04/09/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

By 

Title Petroleum Engineer APR 12 2010

Office _____

UDOGH

Revisions to Operator-Submitted EC Data for Sundry Notice #84526

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	OTHER NOI	APDCH NOI
Lease:	UTU77314	UTU77314
Agreement:		
Operator:	BERRY PETROLEUM ROUTE 2 BOX 7735 4000 SO 4028 WEST ROOSEVELT, UT 84066 Ph: 435-722-1325	BERRY PETROLEUM COMPANY ROUTE 2, BOX 7735 ROOSEVELT, UT 84066 Ph: 435.722.1325 Fx: 435.722.1321
Admin Contact:	KATHY K FIELDSTED SR. REGULATORY & PERMITTING TE E-Mail: kkf@bry.com Cell: 435-823-1920 Ph: 435-722-1325 Fx: 435-722-1321	KATHY K FIELDSTED SR. REGULATORY & PERMITTING TE E-Mail: kkf@bry.com Cell: 435-823-1920 Ph: 435-722-1325 Fx: 435-722-1321
Tech Contact:	KATHY K FIELDSTED SR. REGULATORY & PERMITTING TE E-Mail: kkf@bry.com Cell: 435-823-1920 Ph: 435-722-1325 Fx: 435-722-1321	KATHY K FIELDSTED SR. REGULATORY & PERMITTING TE E-Mail: kkf@bry.com Cell: 435-823-1920 Ph: 435-722-1325 Fx: 435-722-1321
Location:		
State:	UT	UT
County:	DUCHESNE	DUCHESNE
Field/Pool:	BRUNDAGE CANYON	BRUNDAGE CANYON
Well/Facility:	FEDERAL 5-4-64 Sec 4 T6S R4W SWNW 1980FNL 1252FWL	FEDERAL 5-4-64 Sec 4 T6S R4W SWNW 1980FNL 1252FWL

CONDITIONS OF APPROVAL

Berry Petroleum Company

Notice of Intent APD Extension

Lease: UTU77314
Well: Federal 5-4-64
Location: SWNW Sec 4-T6S-R4W

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 5/1/2011.
2. No other extensions shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77314
---	--

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 5-4-64
------------------------------------	---

2. NAME OF OPERATOR: BERRY PETROLEUM COMPANY	9. API NUMBER: 43013334500000
--	---

3. ADDRESS OF OPERATOR: 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	PHONE NUMBER: 303 999-4044 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 1252 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/6/2010	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 PLEASE NOTE THAT THE FEDEAL 5-4-64 WAS SPUD NOVEMBER 6, 2010 AT APPROX 9:00AM BY LEON ROSS DRILLING.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 November 08, 2010

NAME (PLEASE PRINT) Kathy K. Fieldsted	PHONE NUMBER 435 722-1325	TITLE Sr. Regulatory & Permitting Tech.
SIGNATURE N/A	DATE 11/8/2010	

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

FORM 6

ENTITY ACTION FORM

Operator: BERRY PETORLEUM COMPANY Operator Account Number: N 2480
Address: 4000 SOUTH 4028 WEST
city ROOSEVELT
state UT zip 84066 Phone Number: (435) 722-1325

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333450	FEDERAL 5-4-64		SWNW	4	6S	4W	DUCHESNE
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	17851	11/6/2010			11/10/10	
Comments: <u>SPUD BY LEON ROSS DRILLING</u> <u>GRRV</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments: 							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments: 							

ACTION CODES:

- 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)

KATHY K FIELDSTED

Name (Please Print)

Signature

SR REG. & PERMITTING

Title

11/8/2010

Date

RECEIVED

NOV 08 2010

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77314
---	--

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 5-4-64
------------------------------------	---

2. NAME OF OPERATOR: BERRY PETROLEUM COMPANY	9. API NUMBER: 43013334500000
--	---

3. ADDRESS OF OPERATOR: 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	PHONE NUMBER: 303 999-4044 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 1252 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/12/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="WATER ENCOUNTER"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE SEE THE ATTACHED EXPLANATION FOR THE WATER THAT WAS ENCOUNTERED AT THE FEDERAL 5-4-64. DAN JARVIS WAS CONTACTED BY PHONE AND REQUESTED THAT A SUBSEQUENT REPORT BE FILED.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 11/22/2010

NAME (PLEASE PRINT) Kathy K. Fieldsted	PHONE NUMBER 435 722-1325	TITLE Sr. Regulatory & Permitting Tech.
SIGNATURE N/A	DATE 11/22/2010	

When setting surface pipe on the Federal 5-4-64 a 30' conductor was set, and while drilling the hole to 350' a water flow was encountered at 300'. Initial water release was about 300 bbls which subsided to a small seep. 337' of 8-5/8' casing was ran and cemented w/ 225 sks of class G cement. After cement was pumped things looked good until cement was pushed out from behind the casing. The conductor was capped to the 8-5/8" casing and a 150 sks of class G cement was pumped 16 lbs per gallon at 25 PSI between the conductor and the 8-5/8". The last 4 bbls of the job was staged in slowly when cement began to surface 15' east of the casing. The next day things looked good with no sign of water at surface. Two days after the initial job a small seep was discovered 3' south of the casing. A bond log was ran which showed poor bond from surface for about 25' and then another 4' strip at about 150' from surface, TD was 243'. 4- .43 holes were shot at 240' and a 100 sks of type V rapid set cement was pumped down 8-5/8" casing and returned to surface. 1 bbl was squeezed pressuring up to 200 psi and then shut in leaving 3 bbls cement in casing and returns to surface behind pipe. Two days later a pressure test was performed which was witnessed by the BLM. The conductor was tested to 250 psi and the csg was tested to 400 psi.



Berry Daily Drilling Report

Report Date: 5/25/2011

Report #: 1, DFS:

Depth Progress:

Well Name: **FEDERAL 5-4-64**

API/UWI 4301333450000		Surface Legal Location SWNW SECTION 4 T6S-R4W		Spud Date Notice		APD State Utah		AFE Number C11 032020		Total AFE Amount		
Spud Date 5/26/2011 10:30:00 PM		Rig Release Date 6/1/2011 6:00:00 AM		KB-Ground Distance (ft) 14.00		Ground Elevation (ftKB) 6,715		Daily Cost 18,561		Cum Cost To Date 18,561		
Operations at Report Time Pressure washing rig				Operations Next 24 Hours Move rig to the Federal 5-4-64, rig up, nipple up bop stack, pressure test, pick up tools, spud well.								
Operations Summary Move rig from Ute Tribal 5-14-55, stage rig on the Ute Tribal 12-34D-55, unable to move onto new location due to muddy conditions.												
Remarks Safety Meeting=Working with R.W Jones trucking.												
Weather Clear		Temperature (°F) 45.0		Road Condition Dry		Hole Condition						
Last Casing Set												
Casing Description Surface		Set Depth (ftKB) 353		OD (in) 8 5/8		Comment Cemented						
Time Log												
Start Time	End Time	Dur (hrs)	Operation				Comment					
06:00	18:00	12.00	Rig Up & Tear Down				Move rig from Ute Tribal 5-14-55 to Federal 5-4-64. New location too muddy to rig up on. Stage rig 1 mile north of new location, on the Ute Tribal 12-34D-54. Set up co-man, pusher, solids control, and directional shacks. Clean and arrange parts house and change houses. Scrub and prep fuel tank light plant, and water tank for paint. Pressure wash inside of water tank.					
18:00	06:00	12.00	Miscellaneous				Rig idle for daylight.					
Mud Checks												
Type	Time	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV Calc (cp)	Yield Point (lb/100ft²)						
Gel (10s) (lb/100...)	Gel (10m) (lb/10...)	Gel (30m) (lb/10...)	Filtrate (mL/30min)	Filter Cake (/32")	pH	Solids (%)						
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	KCL (%)	Electric Stab (V)						
CEC for Cuttings	Whole Mud Add (bbl)	Mud Lost to Hole (bbl)	Mud Lost (Surf) (bbl)	Mud Vol (Res) (bbl)	Mud Vol (Act) (bbl)							
Air Data												
Parasite ACFM (ft³/min)		Drillpipe ACFM (ft³/min)		ECD Bit (lb/gal)		ECD Parasite (lb/gal)						
Corrosion Inhibitor Injected in 24hr Period												
gls Injected down Parasite (gal)			gls Injected in Mud (gal)			gls Biocide Injected in Mud (gal)						
Drill Strings												
Bit Run	Drill Bit			IADC Bit Dull				TFA (incl Noz) (in²)				
Nozzles (/32")				String Length (ft)		String Wt (1000lb)		BHA ROP (ft...)				
Drill String Components												
Jts	Item Description		OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft. (ft)	min gpm (gpm)	max gpm (gpm)	SN	
Drilling Parameters												
Wellbore	Start (ftKB)	Depth End (ftKB)	Cum Depth (ft)	Drill Time (hrs)	Cum Drill Time ...	Int ROP (ft/hr)	Flow Rate (gpm)					
WOB (1000lb)	RPM (rpm)	SPP (psi)	Rot HL (1000lb)	PU HL (1000lb)	SO HL (1000lb)	Drilling Torque	Off Btm Tq					
Q (g inj) (ft³/...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) (... T (bh) (°F)	P(Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)	Q (g return) ...					
Deviation Surveys												
All Survey												
Azim...	Date	Description			EWTie In...	Inclin...	MD Tie In (ft...)	NSTie In ...	TVD Tie In (ft...)			
0.00	5/26/2011	All Survey			0.00	0.00	0.00	0.00	0.00			
Survey Data												
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)					
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Daily Contacts		Job Contact		Mobile								
James Marsh		435-828-1879										
Rigs												
Contractor Pioneer Drilling						Rig Number 5						
Mud Pumps												
# 1, Gardner-Denver, PZ-8												
Pump Rating (hp)		Rod Diameter (in)		Stroke Length (in)								
750.0				7.99								
Liner Size (in)		Vol/Stk OR (bbl/stk)										
6 1/2		0.078										
Pressure (psi)		Slow Spd		Strokes (spm)		Eff (%)						
No												
# 2, Gardner-Denver, PZ-8												
Pump Rating (hp)		Rod Diameter (in)		Stroke Length (in)								
750.0				7.99								
Liner Size (in)		Vol/Stk OR (bbl/stk)										
6 1/2		0.078										
Pressure (psi)		Slow Spd		Strokes (spm)		Eff (%)						
No												
Mud Additive Amounts												
Description		Consumed				Daily Cost						
Job Supplies												
Diesel Fuel, gal us												
Supply Item Description										Unit Label		
Diesel Fuel										gal us		
Total Received		Total Consumed				Total Returned						
		4,740.0										
Diesel Fuel Consumption												
Date		Consumed										
5/25/2011		279.0										
5/26/2011		100.0										
5/27/2011		371.0										
5/28/2011		742.0										
5/29/2011		814.0										
5/30/2011		1,040.0										
5/31/2011		1,020.0										
6/1/2011		374.0										



Berry Daily Drilling Report

Report Date: 5/26/2011

Report #: 2, DFS:

Depth Progress:

Well Name: FEDERAL 5-4-64

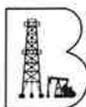
API/UWI 43013334500000		Surface Legal Location SWNW SECTION 4 T6S-R4W		Spud Date Notice		APD State Utah		AFE Number C11 032020		Total AFE Amount													
Spud Date 5/26/2011 10:30:00 PM		Rig Release Date 6/1/2011 6:00:00 AM		KB-Ground Distance (ft) 14.00		Ground Elevation (ftKB) 6,715		Daily Cost 18,130		Cum Cost To Date 36,691													
Operations at Report Time Rigging down shacks				Operations Next 24 Hours Move rig to Federal 5-4-64, rig up test bop. Pick up tools.				Daily Mud Cost		Mud Additive Cost To Date													
Operations Summary Pressure wash and paint rig, idle rig until daylight				Remarks Safety meeting= eye safety when using pressure washer.				Depth Start (ftKB) 0		Depth End (ftKB) 0													
Weather Clear		Temperature (°F) 40.0		Rig Condition Dry		Hole Condition		Depth Start (TVD) (ftKB)		Depth End (TVD) (ftKB)													
Last Casing Set				Casing Description Surface				Set Depth (ftKB) 353		OD (in) 8 5/8		Comment Cemented											
Time Log				Start Time				End Time				Dur (hrs)				Operation				Comment			
06:00				18:00				12.00				Miscellaneous				Pressure wash and paint rig. Construction crew hauled 10 loads 3"plus fill onto Federal 5-4-64 to repair location .							
18:00				06:00				12.00				Miscellaneous				Rig idle							
Mud Checks																							
Type		Time		Depth (ftKB)		Density (lb/gal)		Vis (s/qt)		PV Calc (cp)		Yield Point (lb/100ft²)											
Gel (10s) (lb/100...)		Gel (10m) (lb/10...)		Gel (30m) (lb/10...)		Filtrate (mL/30min)		Filter Cake (/32")		pH		Solids (%)											
MBT (lb/bbl)		Percent Oil (%)		Percent Water (%)		Chlorides (mg/L)		Calcium (mg/L)		KCL (%)		Electric Stab (V)											
CEC for Cuttings		Whole Mud Add (bbl)		Mud Lost to Hole (bbl)		Mud Lost (Surf) (bbl)		Mud Vol (Res) (bbl)		Mud Vol (Act) (bbl)													
Air Data																							
Parasite ACFM (ft³/min)				Drillpipe ACFM (ft³/min)				ECD Bit (lb/gal)				ECD Parasite (lb/gal)											
Corrosion Inhibitor Injected in 24hr Period																							
gls Injected down Parasite (gal)				gls Injected in Mud (gal)				gls Biocide Injected in Mud (gal)															
Drill Strings																							
Bit Run		Drill Bit		IADC Bit Dull				TFA (incl Noz) (in²)															
Nozzles (/32")				String Length (ft)		String Wt (1000lb)		BHA ROP (ft...)															
Drill String Components																							
Jts		Item Description		OD (in)		Len (ft)		Lobe config		Stages		rpm/gpm		Bit-Bend ft. (ft)		min gpm (gpm)		max gpm (gpm)		SN			
Drilling Parameters																							
Wellbore		Start (ftKB)		Depth End (ftKB)		Cum Depth (ft)		Drill Time (hrs)		Cum Drill Time ...		Int ROP (ft/hr)		Flow Rate (gpm)									
WOB (1000lb)		RPM (rpm)		SPP (psi)		Rot HL (1000lb)		PU HL (1000lb)		SO HL (1000lb)		Drilling Torque		Off Btm Tq									
Q (g inj) (ft³/...)		Motor RPM (rpm)		T (Inj) (°F)		P (BH Ann) (...)		T (bh) (°F)		P(Surf Ann) ...		T (surf ann) ...		Q (liq rtn) (g...)		Q (g return) ...							
Deviation Surveys																							
All Survey																							
Azim... Date		Description				EWTie In...		Inclin...		MD Tie In (ft...)		NSTie In ...		TVDTie In (ft...)									
0.00 5/26/2011		All Survey				0.00		0.00		0.00		0.00		0.00									
Survey Data																							
MD (ftKB)		Incl (°)		Azim (°)		TVD (ftKB)		NS (ft)		EW (ft)		VS (ft)		DLS (°/100ft)									
0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00									
Daily Contacts																							
Job Contact				Mobile				James Marsh				435-828-1879											
Rigs																							
Contractor				Rig Number				Pioneer Drilling				5											
Mud Pumps																							
# 1, Gardner-Denver, PZ-8																							
Pump Rating (hp)		Rod Diameter (in)		Stroke Length (in)		750.0		7.99		Liner Size (in)		Vol/Stk OR (bbl/stk)											
6 1/2		0.078		Pressure (psi)		Slow Spd		Strokes (spm)		Eff (%)		No											
# 2, Gardner-Denver, PZ-8																							
Pump Rating (hp)		Rod Diameter (in)		Stroke Length (in)		750.0		7.99		Liner Size (in)		Vol/Stk OR (bbl/stk)											
6 1/2		0.078		Pressure (psi)		Slow Spd		Strokes (spm)		Eff (%)		No											
Mud Additive Amounts																							
Description		Consumed		Daily Cost																			
Job Supplies																							
Diesel Fuel, gal us																							
Supply Item Description										Unit Label		gal us											
Diesel Fuel																							
Total Received		Total Consumed		Total Returned		4,740.0																	
Diesel Fuel Consumption																							
Date		Consumed																					
5/25/2011		279.0																					
5/26/2011		100.0																					
5/27/2011		371.0																					
5/28/2011		742.0																					
5/29/2011		814.0																					
5/30/2011		1,040.0																					
5/31/2011		1,020.0																					
6/1/2011		374.0																					

Berry Daily Drilling Report

Report Date: 5/27/2011

Report #: 3, DFS: 0.3

Depth Progress: 460



Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	APD State Utah	AFE Number C11 032020	Total AFE Amount
Spud Date 5/26/2011 10:30:00 PM	Rig Release Date 6/1/2011 6:00:00 AM	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,715	Daily Cost 18,130	Cum Cost To Date 54,821
Operations at Report Time Drilling 7 7/8 production hole		Operations Next 24 Hours Drill 7 7/8 production hole.		Daily Mud Cost	Mud Additive Cost To Date
Operations Summary Move rig and rig up on Federal 5-4-64. Nipple up, test bop, pick up bha and mwd tools, tag cement @ 250', drill out shoe track, drill 7 7/8 production hole.			Depth Start (ftKB) 350	Depth End (ftKB) 810	
Remarks Safety Meeting= picking up drill collars with winch.			Depth Start (TVD) (ftKB) 350	Depth End (TVD) (ftKB) 810	
Weather Partly cloudy	Temperature (°F) 43.0	Road Condition Dry	Hole Condition Good	Target Formation WASATCH	Target Depth (ftKB) 5,830

Weather
Partly cloudy

Temperature (°F)
43.0

Road Condition
Dry

Hole Condition
Good

Last Casing Set

Casing Description	Set Depth (ftKB)	OD (in)	Comment
Surface	353	8 5/8	Cemented

Time Log

Start Time	End Time	Dur (hrs)	Operation	Comment
06:00	11:00	5.00	Rig Up & Tear Down	HSM w/ Jones Trucking. Move rig from staging area 1 mile to Federal 5-4-64. Set sub, mud boat, carrier, mud pits, mud pumps, water tank, fuel tank, change house in place. Set catwalk, pipe tubs and racks. Set co-man, pusher, solids control and directional houses. Released trucks @ 11:00 HRS.
11:00	14:00	3.00	Rig Up & Tear Down	Raise and scope up derrick, rig up mud pumps, pits, dog house, change house, fuel tank, lightplant. Rig up floor, pick up kelly and mouse hole sock.
14:00	15:30	1.50	NU/ND BOP	Nipple up bop stack. Function test blind and pipe rams.
15:30	20:30	5.00	Test BOP	.HSM w/ B&C QuickTest. Pressure test Upper kelly valve, safety valve, pipe rams, inside valve, upright valve and manifold, blind rams, kill line, choke line and manifold and check valve to 3000 psi for 10 minutes. Test annular preventer and surface casing to 1500 psi for 10 minutes.
20:30	21:30	1.00	Trips	Pick up bha and orient mwd tools.
21:30	22:30	1.00	Drill Out Cement/Retainers	Tag cement @ 250'. Make pup kelly and drill shoe track.
22:30	06:00	7.50	Drilling	Drill formation from 350' to 810'. Rotary 50, WOB 12k, 386 GPM, 550 psi, 130 ROP.

Mud Checks

Type	Time	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV Calc (cp)	Yield Point (lb/100ft ²)
Gel (10s) (lb/100...)	Gel (10m) (lb/10...)	Gel (30m) (lb/10...)	Filtrate (mL/30min)	Filter Cake (/32")	pH	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	KCL (%)	Electric Stab (V)
CEC for Cuttings	Whole Mud Add (bbl)	Mud Lost to Hole (bbl)	Mud Lost (Surf) (bbl)	Mud Vol (Res) (bbl)	Mud Vol (Act) (bbl)	

Air Data

Parasite ACFM (ft ³ /min)	Drillpipe ACFM (ft ³ /min)	ECD Bit (lb/gal)	ECD Parasite (lb/gal)
--------------------------------------	---------------------------------------	------------------	-----------------------

Corrosion Inhibitor Injected in 24hr Period

gls Injected down Parasite (gal)	gls Injected in Mud (gal)	gls Biocide Injected in Mud (gal)
----------------------------------	---------------------------	-----------------------------------

Drill Strings

BHA #1, Slick

Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in ²)
1	7 7/8in, FX65M, 548743	-----	1.18
Nozzles (/32")	String Length (ft)	String Wt (1000lbf)	BHA ROP (ft...)
16/16/16/16/16	5,646.16	89	55.4

Daily Contacts

Job Contact	Mobile
James Marsh	435-828-1879

Rigs

Contractor	Rig Number
Pioneer Drilling	5

Mud Pumps

1, Gardner-Denver, PZ-8

Pump Rating (hp)	Rod Diameter (in)	Stroke Length (in)
750.0		7.99
Liner Size (in)	Vol/Stk OR (bbl/stk)	
6 1/2	0.078	
Pressure (psi)	Slow Spd	Strokes (spm)
	No	

2, Gardner-Denver, PZ-8

Pump Rating (hp)	Rod Diameter (in)	Stroke Length (in)
750.0		7.99
Liner Size (in)	Vol/Stk OR (bbl/stk)	
6 1/2	0.078	
Pressure (psi)	Slow Spd	Strokes (spm)
	No	

Mud Additive Amounts

Description	Consumed	Daily Cost

Job Supplies

Diesel Fuel, gal us

Supply Item Description	Unit Label
Diesel Fuel	gal us
Total Received	Total Consumed
	4,740.0
	Total Returned

Diesel Fuel Consumption

Date	Consumed
5/25/2011	279.0
5/26/2011	100.0
5/27/2011	371.0
5/28/2011	742.0
5/29/2011	814.0
5/30/2011	1,040.0
5/31/2011	1,020.0
6/1/2011	374.0

Berry Daily Drilling Report

Report Date: 5/27/2011

Report #: 3, DFS: 0.3

Depth Progress: 460



Well Name: FEDERAL 5-4-64

Drill String Components

Jts	Item Description	OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft. (ft)	min gpm (gpm)	max gpm (gpm)	SN
1	Kelly	5	40.00							
144	Drill Pipe	4	4,556.84							
1	XO	6	2.63							
30	HWDP	4 1/2	920.74							
2	Drill Collars	6 1/4	60.73							
1	Gap Sub	6 1/4	5.62							
1	N.M.B.C	6 1/4	30.51							
1	Mud Motor	6 1/4	28.09							
	Bit	7 7/8	1.00							

Drilling Parameters

Wellbore	Start (ftKB)	Depth End (ftKB)	Cum Depth (ft)	Drill Time (hrs)	Cum Drill Time ...	Int ROP (ft/hr)	Flow Rate (gpm)	
Original Hole	350.0	810.0	460.00	7.50	7.50	61.3	386	
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	SO HL (1000lbf)	Drilling Torque	Off Btm Tq	
12	48	550.0	48	48	48			
Q (g inj) (ft³/...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) (...)	T (bh) (°F)	P(Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)	Q (g return) ...

Deviation Surveys

All Survey

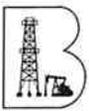
Azim...	Date	Description	EW Tie In...	Inclin...	MD Tie In (ft...)	NS Tie In ...	TVDTie In (ft...)
0.00	5/26/2011	All Survey	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
454.00	0.57	174.38	453.99	-2.25	0.22	1.92	0.13
760.00	0.79	191.95	759.97	-5.83	-0.07	5.27	0.10

Berry Daily Drilling Report

Report Date: 5/28/2011
Report #: 4, DFS: 1.3
Depth Progress: 1,447



Well Name: FEDERAL 5-4-64

API/UWI 4301333450000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	APD State Utah	AFE Number C11 032020	Total AFE Amount
Spud Date 5/26/2011 10:30:00 PM	Rig Release Date 6/1/2011 6:00:00 AM	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,715	Daily Cost 36,007	Cum Cost To Date 90,828
Operations at Report Time Drilling ahead		Operations Next 24 Hours Drill 7 7/8 production hole			
Operations Summary Drill from 810' to 902', service rig, drill from 902' to 1371', TOOH, replace rotating head, TIH, drill from 1371' to 2257'.					
Remarks Safety meeting=Tripping pipe,pinch points.					
Weather Mostly Cloudy	Temperature (°F) 49.0	Road Condition Dry	Hole Condition Good	Daily Mud Cost 1,802	Mud Additive Cost To Date 1,802
Depth Start (ftKB) 810		Depth End (ftKB) 2,257		Depth Start (TVD) (ftKB) 810	
Depth End (TVD) (ftKB) 2,256		Target Formation WASATCH		Target Depth (ftKB) 5,830	

Weather Mostly Cloudy		Temperature (°F) 49.0	Road Condition Dry	Hole Condition Good
Job Contact James Marsh 435-828-1879				

Last Casing Set			
Casing Description Surface	Set Depth (ftKB) 353	OD (in) 8 5/8	Comment Cemented

Time Log					
Start Time	End Time	Dur (hrs)	Operation	Comment	
06:00	08:00	2.00	Drilling	Drill from 810' to 902'.	
08:00	08:30	0.50	Lubricate Rig	Service rig, inspect brake linkage, grease drivelines, check draw works and rotary table.	
08:30	13:00	4.50	Drilling	Drill from 902' to 1371'. 15 wob, 55 rotary, 386 gpm, 550 psi.	
13:00	14:30	1.50	Trips	Trip out of hole to change out rotating heads.	
14:30	16:30	2.00	Repair Rig	Change out Smith rotating head. Bearing failure upon rebuild of head resulted in bowl seizing and burning out rotating rubbers.	
16:30	18:00	1.50	Trips	Trip in hole	
18:00	06:00	12.00	Drilling	Drill from 1371' to 2257'. 400 gpm, 12 wob, 65 rotary, 1000 psi.	

Mud Checks							
Type DAP	Time 06:00	Depth (ftKB) 1,025.0	Density (lb/gal) 8.40	Vis (s/qt) 27	PV Calc (cp) 1.0	Yield Point (lb/100ft²) 1.000	
Gel (10s) (lb/100...) 1.000	Gel (10m) (lb/10...) 1.000	Gel (30m) (lb/10...) 1.000	Filtrate (mL/30min) 1.000	Filter Cake (/32") 1.000	pH 10.0	Solids (%) 1.0	
MBT (lb/bbl)	Percent Oil (%) 99.0	Percent Water (%) 1,000.000	Chlorides (mg/L)	Calcium (mg/L)	KCL (%)	Electric Stab (V)	
CEC for Cuttings	Whole Mud Add (bbl)	Mud Lost to Hole (bbl)	Mud Lost (Surf) (bbl)	Mud Vol (Res) (bbl)	Mud Vol (Act) (bbl)	206.0	

Air Data			
Parasite ACFM (ft³/min)	Drillpipe ACFM (ft³/min)	ECD Bit (lb/gal)	ECD Parasite (lb/gal)

Corrosion Inhibitor Injected in 24hr Period		
gls Injected down Parasite (gal)	gls Injected in Mud (gal)	gls Biocide Injected in Mud (gal)

Drill Strings			
BHA #1, Slick			
Bit Run 1	Drill Bit 7 7/8in, FX65M, 548743	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18
Nozzles (/32") 16/16/16/16/16	String Length (ft) 5,646.16	String Wt (1000lb) 89	BHA ROP (ft...) 55.4

Drill String Components										
Jts	Item Description	OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft. (ft)	min gpm (gpm)	max gpm (gpm)	SN
1	Kelly	5	40.00							
144	Drill Pipe	4	4,556.84							
1	XO	6	2.63							
30	HWDP	4 1/2	920.74							
2	Drill Collars	6 1/4	60.73							
1	Gap Sub	6 1/4	5.62							
1	N.M.B.C	6 1/4	30.51							
1	Mud Motor	6 1/4	28.09							
	Bit	7 7/8	1.00							

Daily Contacts	
Job Contact	Mobile
James Marsh	435-828-1879

Rigs		
Contractor Pioneer Drilling	Rig Number 5	
Mud Pumps		
# 1, Gardner-Denver, PZ-8		
Pump Rating (hp) 750.0	Rod Diameter (in) 6 1/2	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi) No	Slow Spd No	Strokes (spm) Eff (%)

# 2, Gardner-Denver, PZ-8		
Pump Rating (hp) 750.0	Rod Diameter (in) 6 1/2	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi) No	Slow Spd No	Strokes (spm) Eff (%)

Mud Additive Amounts		
Description	Consumed	Daily Cost
Defoamer	4.0	500.00
Engineer	1.0	450.00
Equipment rental	1.0	50.00
Gypsum	40.0	420.00
Pallets	1.0	14.50
Poly Plus	1.0	121.00
Shrink Wrap	1.0	14.50
Tax	1.0	232.00

Job Supplies		
Diesel Fuel, gal us		
Supply Item Description Diesel Fuel	Unit Label gal us	
Total Received	Total Consumed 4,740.0	Total Returned

Diesel Fuel Consumption	
Date	Consumed
5/25/2011	279.0
5/26/2011	100.0
5/27/2011	371.0
5/28/2011	742.0
5/29/2011	814.0
5/30/2011	1,040.0
5/31/2011	1,020.0
6/1/2011	374.0

Berry Daily Drilling Report

Report Date: 5/28/2011

Report #: 4, DFS: 1.3

Depth Progress: 1,447



Well Name: FEDERAL 5-4-64

Drilling Parameters

Wellbore	Start (ftKB)	Depth End (ftKB)	Cum Depth (ft)	Drill Time (hrs)	Cum Drill Time ...	Int ROP (ft/hr)	Flow Rate (gpm)	
Original Hole	810.0	2,257.0	1,907.00	18.50	26.00	78.2	425	
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	SO HL (1000lbf)	Drilling Torque	Off Btm Tq	
15	60	1,050.0	64	64	64			
Q (g inj) (ft³/...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) ...	T (bh) (°F)	P(Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)	Q (g return) ...

Deviation Surveys

All Survey

Azim...	Date	Description	EWTie In...	Inclin...	MD Tie In (ft...)	NSTie In ...	TVDTie In (ft...)
0.00	5/26/2011	All Survey	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
1,036.00	1.23	203.20	1,035.93	-10.41	-1.63	10.07	0.17
1,321.00	1.85	204.40	1,320.82	-17.41	-4.73	17.73	0.22
1,606.00	1.84	199.34	1,605.68	-25.92	-8.15	26.87	0.06
1,891.00	2.02	204.70	1,890.52	-34.80	-11.76	36.44	0.09
2,175.00	2.15	208.04	2,174.33	-44.05	-16.36	46.77	0.06



Berry Daily Drilling Report

Report Date: 5/29/2011
Report #: 5, DFS: 1.8
Depth Progress: 1,549

Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	APD State Utah	AFE Number C11 032020	Total AFE Amount
Spud Date 5/26/2011 10:30:00 PM	Rig Release Date 6/1/2011 6:00:00 AM	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,715	Daily Cost 17,320	Cum Cost To Date 108,148
Operations at Report Time Drilling ahead		Operations Next 24 Hours Drill 7 7/8 Production hole.		Daily Mud Cost 5,498	Mud Additive Cost To Date 7,300
Operations Summary Drill from 2257' to 2732', service rig, drill from 2732' to 3806'.		Remarks Safety meeting=forklift safety		Depth Start (ftKB) 2,257	Depth End (ftKB) 3,806
Weather Mostly cloudy		Temperature (°F) 42.0	Road Condition Dry	Depth Start (TVD) (ftKB) 2,256	Depth End (TVD) (ftKB) 3,804
			Hole Condition Good	Target Formation WASATCH	Target Depth (ftKB) 5,830

Last Casing Set			
Casing Description Surface	Set Depth (ftKB) 353	OD (in) 8 5/8	Comment Cemented

Time Log		Start Time	End Time	Dur (hrs)	Operation	Comment
06:00	12:30	6.50	Drilling	Drill rotary from 2257' to 2732'. Wob 18, rotary 65, 425 gpm. Loss 50 bbls @ 2573'.		
12:30	13:00	0.50	Lubricate Rig	Service rig, inspect brake pads and linkage. Check mud pumps. SPR #1- 163/51 @2732. SPR #2-153/50 @2732'.		
13:00	18:00	5.00	Drilling	Drill rotary from 2732' to 3112'.		
18:00	18:00		Drilling	Drill rotary from 3112' to 3806'. 425 gpm, 65 rotary, 15 wob, 1525 psi, 57.8 avg rop.		

Mud Checks							
Type DAP	Time 06:00	Depth (ftKB) 2,560.0	Density (lb/gal) 8.40	Vis (s/qt) 27	PV Calc (cp) 1.0	Yield Point (lb/100ft²) 1.000	
Gel (10s) (lb/100... 1.000	Gel (10m) (lb/10... 1.000	Gel (30m) (lb/10... 99.0	Filtrate (mL/30min) 1,100.000	Filter Cake (/32")	pH 7.0	Solids (%) 1.0	
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	KCL (%)	Electric Stab (V)	
CEC for Cuttings	Whole Mud Add (bbl)	Mud Lost to Hole (bbl)	Mud Lost (Surf) (bbl)	Mud Vol (Res) (bbl)	Mud Vol (Act) (bbl)		297.0

Air Data			
Parasite ACFM (ft³/min)	Drillpipe ACFM (ft³/min)	ECD Bit (lb/gal)	ECD Parasite (lb/gal)

Corrosion Inhibitor Injected in 24hr Period		
gls Injected down Parasite (gal)	gls Injected in Mud (gal)	gls Biocide Injected in Mud (gal)

Drill Strings			
BHA #1, Slick			
Bit Run 1	Drill Bit 7 7/8in, FX65M, 548743	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18
Nozzles (/32")	16/16/16/16/16	String Length (ft) 5,646.16	String Wt (1000lbf) 89
		BHA ROP (ft...) 55.4	

Drill String Components										
Jts	Item Description	OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft. (ft)	min gpm (gpm)	max gpm (gpm)	SN
1	Kelly	5	40.00							
144	Drill Pipe	4	4,556.84							
1	XO	6	2.63							
30	HWD	4 1/2	920.74							
2	Drill Collars	6 1/4	60.73							
1	Gap Sub	6 1/4	5.62							
1	N.M.B.C	6 1/4	30.51							
1	Mud Motor	6 1/4	28.09							
	Bit	7 7/8	1.00							

Drilling Parameters							
Wellbore Original Hole	Start (ftKB) 2,257.0	Depth End (ftKB) 3,806.0	Cum Depth (ft) 3,456.00	Drill Time (hrs) 23.50	Cum Drill Time ... 49.50	Int ROP (ft/hr) 65.9	Flow Rate (gpm) 425
WOB (1000lbf) 15	RPM (rpm) 65	SPP (psi) 1,250.0	Rot HL (1000lbf) 80	PU HL (1000lbf) 80	SO HL (1000lbf) 78	Drilling Torque	Off Btm Tq
Q (g inj) (ft³/...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) (...)	T (bh) (°F)	P (Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)
							Q (g return) ...

Daily Contacts	
Job Contact	Mobile
James Marsh	435-828-1879

Rigs	
Contractor Pioneer Drilling	Rig Number 5

Mud Pumps		
# 1, Gardner-Denver, PZ-8		
Pump Rating (hp) 750.0	Rod Diameter (in)	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi)	Slow Spd No	Strokes (spm) Eff (%)

# 2, Gardner-Denver, PZ-8		
Pump Rating (hp) 750.0	Rod Diameter (in)	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi)	Slow Spd No	Strokes (spm) Eff (%)

Mud Additive Amounts		
Description	Consumed	Daily Cost
Corrosion ring	1.0	100.00
Dap	20.0	570.00
Defoamer	5.0	625.00
Duragel	30.0	450.00
Engineer	1.0	450.00
Equipment rental	1.0	50.00
Gypsum	125.0	1,312.50
Pallets	4.0	58.00
Poly Plus	2.0	242.00
Product trailer	3.0	150.00
Shrink Wrap	4.0	58.00
Tax	1.0	232.00
Trucking	1.0	1,200.00

Job Supplies		
Diesel Fuel, gal us		
Supply Item Description Diesel Fuel		Unit Label gal us
Total Received	Total Consumed 4,740.0	Total Returned

Diesel Fuel Consumption	
Date	Consumed
5/25/2011	279.0
5/26/2011	100.0
5/27/2011	371.0
5/28/2011	742.0
5/29/2011	814.0
5/30/2011	1,040.0
5/31/2011	1,020.0
6/1/2011	374.0



Berry Daily Drilling Report

Report Date: 5/29/2011

Report #: 5, DFS: 1.8

Depth Progress: 1,549

Well Name: FEDERAL 5-4-64

Deviation Surveys

All Survey

Azim...	Date	Description	EWTie In...	Inclin...	MD Tie In (ft...)	NSTie In ...	TVDTie In (ft...)
0.00	5/26/2011	All Survey	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
2,455.00	2.26	209.71	2,454.12	-53.48	-21.56	57.52	0.05
2,735.00	1.71	236.78	2,733.96	-60.56	-27.80	66.62	0.38
3,025.00	3.10	224.74	3,023.70	-68.50	-36.93	77.76	0.51
3,313.00	2.28	216.92	3,311.38	-78.62	-45.86	90.75	0.31
3,601.00	2.68	211.65	3,599.11	-88.93	-52.83	103.07	0.16



Berry Daily Drilling Report

Report Date: 5/30/2011
 Report #: 6, DFS: 2.8
 Depth Progress: 1,224

Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	APD State Utah	AFE Number C11 032020	Total AFE Amount
Spud Date 5/26/2011 10:30:00 PM	Rig Release Date 6/1/2011 6:00:00 AM	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,715	Daily Cost 18,720	Cum Cost To Date 126,868
Operations at Report Time Drilling ahead		Operations Next 24 Hours TD well, circulate, TOOH, log well, TIH, lay down dp.			
Operations Summary Drill from 3806' to 4031', service rig, tighten right angle drive mounting bolts, drill from 4031' to 5030'.					
Remarks Safety meeting=using hydraulic winch to pick up drill pipe.					
Weather Raining	Temperature (°F) 38.0	Road Condition Muddy	Hole Condition Good	Daily Mud Cost 4,943	Mud Additive Cost To Date 12,242
Depth Start (ftKB) 3,806		Depth End (ftKB) 5,030		Depth Start (TVD) (ftKB) 3,804	
Depth End (TVD) (ftKB) 5,026		Target Formation WASATCH		Target Depth (ftKB) 5,830	

Last Casing Set

Casing Description	Set Depth (ftKB)	OD (in)	Comment
Surface	353	8 5/8	Cemented

Time Log

Start Time	End Time	Dur (hrs)	Operation	Comment
06:00	08:30	2.50	Drilling	Drilling rotary from 3806' to 3966'. wob 14, 425 gpm, 65 rotary.
08:30	09:30	1.00	Lubricate Rig	Service rig,, tighten right angle bolts, adjust brakes. grease drivelines.
09:30	18:00	8.50	Drilling	Drilling rotary from 3966' to 4355'. 425 gpm, 68 rotary, 15 wob, 50 ft/hr avg.
18:00	06:00	12.00	Drilling	Drilling rotary from 4355' to 5030'. wob 20, rotary 65, 445 gpm, 1700 psi, last survey = 4454', 2.85 inc, 197.85 az. 56 ft/hr avg.

Mud Checks

Type DAP	Time 06:00	Depth (ftKB) 4,030.0	Density (lb/gal) 8.40	Vis (s/qt) 27	PV Calc (cp) 1.0	Yield Point (lb/100ft²) 1.000
Gel (10s) (lb/100...) 1.000	Gel (10m) (lb/10...) 1.000	Gel (30m) (lb/10...)	Filterate (mL/30min)	Filter Cake (/#32")	pH 7.0	Solids (%) 1.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 99.0	Chlorides (mg/L) 800.000	Calcium (mg/L)	KCL (%)	Electric Stab (V)
CEC for Cuttings	Whole Mud Add (bbl)	Mud Lost to Hole (bbl)	Mud Lost (Surf) (bbl)	Mud Vol (Res) (bbl)	Mud Vol (Act) (bbl) 384.0	

Air Data

Parasite ACFM (ft³/min)	Drillpipe ACFM (ft³/min)	ECD Bit (lb/gal)	ECD Parasite (lb/gal)
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Corrosion Inhibitor Injected in 24hr Period

gls Injected down Parasite (gal)	gls Injected in Mud (gal)	gls Biocide Injected in Mud (gal)
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Drill Strings

BHA #1, Slick

Bit Run 1	Drill Bit 7 7/8in, FX65M, 548743	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18
Nozzles (#32")	String Length (ft) 16/16/16/16/16	String Wt (1000lb) 5,646.16	BHA ROP (ft...) 89

Drill String Components

Jts	Item Description	OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft (ft)	min gpm (gpm)	max gpm (gpm)	SN
1	Kelly	5	40.00							
144	Drill Pipe	4	4,556.84							
1	XO	6	2.63							
30	HWDP	4 1/2	920.74							
2	Drill Collars	6 1/4	60.73							
1	Gap Sub	6 1/4	5.62							
1	N.M.B.C	6 1/4	30.51							
1	Mud Motor	6 1/4	28.09							
	Bit	7 7/8	1.00							

Drilling Parameters

Wellbore Original Hole	Start (ftKB) 3,806.0	Depth End (ftKB) 5,030.0	Cum Depth (ft) 4,680.00	Drill Time (hrs) 23.50	Cum Drill Time ... 73.00	Int ROP (ft/hr) 52.1	Flow Rate (gpm) 445
WOB (1000lbf) 18	RPM (rpm) 65	SPP (psi) 1,700.0	Rot HL (1000lbf) 95	PU HL (1000lbf) 95	SO HL (1000lbf) 92	Drilling Torque	Off Btm Tq
Q (g inj) (ft³/...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) (...)	T (bh) (°F)	P (Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)

Daily Contacts

Job Contact James Marsh	Mobile 435-828-1879
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Rigs

Contractor Pioneer Drilling	Rig Number 5
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Mud Pumps

1, Gardner-Denver, PZ-8

Pump Rating (hp) 750.0	Rod Diameter (in)	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi)	Slow Spd No	Strokes (spm) Eff (%)

2, Gardner-Denver, PZ-8

Pump Rating (hp) 750.0	Rod Diameter (in)	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi)	Slow Spd No	Strokes (spm) Eff (%)

Mud Additive Amounts

Description	Consumed	Daily Cost
Dap	15.0	427.50
Defoamer	1.0	125.00
Duragel	50.0	750.00
Engineer	1.0	450.00
Equipment rental	1.0	50.00
Fiber Seal	5.0	82.50
Gypsum	195.0	2,047.50
Pallets	4.0	58.00
Poly Plus	2.0	242.00
Sawdust	75.0	337.50
Shrink Wrap	4.0	58.00
Tax	1.0	232.00
Walnut	5.0	82.50

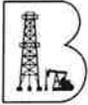
Job Supplies

Diesel Fuel, gal us

Supply Item Description Diesel Fuel	Unit Label gal us
Total Received	Total Consumed 4,740.0
Total Returned	

Diesel Fuel Consumption

Date	Consumed
5/25/2011	279.0
5/26/2011	100.0
5/27/2011	371.0
5/28/2011	742.0
5/29/2011	814.0
5/30/2011	1,040.0
5/31/2011	1,020.0
6/1/2011	374.0


Berry Daily Drilling Report

Report Date: 5/30/2011

Report #: 6, DFS: 2.8

Depth Progress: 1,224

Well Name: FEDERAL 5-4-64

Deviation Surveys

All Survey

Azim...	Date	Description	EWTie In...	Inclin...	MD Tie In (ft...)	NSTie In ...	TVDTie In (ft...
0.00	5/26/2011	All Survey	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
3,883.00	2.72	204.79	3,880.79	-100.61	-59.10	116.32	0.12
4,198.00	2.86	203.47	4,195.42	-114.61	-65.36	131.65	0.05
4,454.00	2.85	197.85	4,451.10	-126.52	-69.86	144.33	0.11
4,727.00	2.90	196.61	4,723.76	-139.60	-73.91	157.87	0.03
4,980.00	2.46	199.51	4,976.48	-150.85	-77.55	169.58	0.18

Berry Daily Drilling Report

Report Date: 5/31/2011

Report #: 7, DFS: 3.8

Depth Progress: 613



Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	APD State Utah	AFE Number C11 032020	Total AFE Amount
Spud Date 5/26/2011 10:30:00 PM	Rig Release Date 6/1/2011 6:00:00 AM	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,715	Daily Cost 16,325	Cum Cost To Date 143,193
Operations at Report Time Logging		Operations Next 24 Hours TIH, circulate hole, lay down drill string, run casing, cement, set slips, rig down.		Daily Mud Cost 12,242	Mud Additive Cost To Date 12,242
Operations Summary Service rig, Drill from 5030' to 5643'. circulate hole, pump high vis gel sweep, and 1 polymer sweep to surface. Pump 40 bbls, 9.0# pill .TOOH for logs, pill didnt hold gas back, TIH to 2692', mix and pump 40 bbls 55 vis 10# pill @ 2692'. TOO, wellbore static, HSM w/ PSI loggers, rig up logging equipment, log well.			Depth Start (ftKB) 5,030	Depth End (ftKB) 5,643	
Remarks Safety meeting= working w/ PSI logging equipment.			Depth Start (TVD) (ftKB) 5,026	Depth End (TVD) (ftKB)	
Weather Clear	Temperature (°F) 34.0	Road Condition Muddy	Hole Condition Good	Target Formation WASATCH	Target Depth (ftKB) 5,830

Daily Contacts	
Job Contact James Marsh	Mobile 435-828-1879
Rigs	
Contractor Pioneer Drilling	Rig Number 5

Last Casing Set			
Casing Description Surface	Set Depth (ftKB) 353	OD (in) 8 5/8	Comment Cemented

Time Log				
Start Time	End Time	Dur (hrs)	Operation	Comment
06:00	06:30	0.50	Lubricate Rig	Service rig, grease draw works, swivel, blocks, rotary table, and mud pumps. Inspect brake linkage and pins.
06:30	17:00	10.50	Drilling	Drill rotary from 5030' to 5645' TD well @ 17:00 hrs. wob 18/20, 425 gpm, 65 rotary, 55 ft/hr avg. Last survey @ 5549' = 2.46 inc, 198.89 az.
17:00	18:00	1.00	Condition Mud & Circulate	Circulate 30 bbl high vis gel sweep 5' from td, 1 polymer sweep 10 minutes after td.
18:00	18:30	0.50	Condition Mud & Circulate	condition mud and mix 60 bbls 9.5 # pill. Pump 40 bbls weighted pill for dry job. Using the remaining 20 bbls weighted mud to fill hole upon trip out for logs.
18:30	23:00	4.50	Trips	Set back kelly, trip out of hole for logs. Well not static, gas coming to surface.
23:00	01:00	2.00	Trips	M/U 7 7/8 tricone bit, and bit sub, trip in hole to 2692'. 15 stands HWDP, 26 stands drill pipe.
01:00	02:00	1.00	Condition Mud & Circulate	Circulate, mix 80 bbls, 10#, 55 vis pill, pump 40 bbls @ 2692'. No flow after 15 minute flow check.
02:00	03:30	1.50	Trips	Trip out of hole, 26 stands drill pipe, 15 stands HWDP, 1 stand drill collars. Spot 10 bbls 10# pill @ 985'.
03:30	06:00	2.50	Wire Line Logs	HSM w/ PSI logging. Rig up logging equipment. Run Gamma Ray, Compensated Nuetron, Compensated Density, Caliper, Dual Induction, Guard, and SP logs.

Mud Checks						
Type DAP	Time 06:00	Depth (ftKB) 5,130.0	Density (lb/gal) 8.50	Vis (s/qt) 28	PV Calc (cp) 1.0	Yield Point (lb/100ft²) 1.000
Gel (10s) (lb/100... 1.000	Gel (10m) (lb/10... 1.000	Gel (30m) (lb/10... 1.000	Filtrate (mL/30min) 800.000	Filter Cake (1/32") 7.0	pH 7.0	Solids (%) 2.0
MBT (lb/bbl)	Percent Oil (%) 98.0	Percent Water (%) 800.000	Chlorides (mg/L)	Calcium (mg/L)	KCL (%)	Electric Stab (V)
CEC for Cuttings	Whole Mud Add (bbl)	Mud Lost to Hole (bbl)	Mud Lost (Surf) (bbl)	Mud Vol (Res) (bbl)	Mud Vol (Act) (bbl)	448.0

Air Data			
Parasite ACFM (ft³/min)	Drillpipe ACFM (ft³/min)	ECD Bit (lb/gal)	ECD Parasite (lb/gal)

Corrosion Inhibitor Injected in 24hr Period		
gls Injected down Parasite (gal)	gls Injected in Mud (gal)	gls Biocide Injected in Mud (gal)

Mud Additive Amounts	
Description	Consumed
	Daily Cost

Job Supplies	
Diesel Fuel, gal us	
Supply Item Description Diesel Fuel	Unit Label gal us
Total Received	Total Consumed 4,740.0
	Total Returned

Mud Pumps		
# 1, Gardner-Denver, PZ-8		
Pump Rating (hp) 750.0	Rod Diameter (in)	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi)	Slow Spd No	Strokes (spm) Eff (%)

# 2, Gardner-Denver, PZ-8		
Pump Rating (hp) 750.0	Rod Diameter (in)	Stroke Length (in) 7.99
Liner Size (in) 6 1/2	Vol/Stk OR (bbl/stk) 0.078	
Pressure (psi)	Slow Spd No	Strokes (spm) Eff (%)

Diesel Fuel Consumption		
Date	Consumed	
5/25/2011	279.0	
5/26/2011	100.0	
5/27/2011	371.0	
5/28/2011	742.0	
5/29/2011	814.0	
5/30/2011	1,040.0	
5/31/2011	1,020.0	
6/1/2011	374.0	



Berry Daily Drilling Report

Report Date: 5/31/2011

Report #: 7, DFS: 3.8

Depth Progress: 613

Well Name: FEDERAL 5-4-64

Drill Strings

BHA #1, Slick

Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in ²)
1	7 7/8in, FX65M, 548743	-----	1.18
Nozzles (#32")		String Length (ft)	String Wt (1000lbf)
16/16/16/16/16		5,646.16	89
		BHA ROP (ft...)	55.4

Drill String Components

Jts	Item Description	OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft. (ft)	min gpm (gpm)	max gpm (gpm)	SN
1	Kelly	5	40.00							
144	Drill Pipe	4	4,556.84							
1	XO	6	2.63							
30	HWDP	4 1/2	920.74							
2	Drill Collars	6 1/4	60.73							
1	Gap Sub	6 1/4	5.62							
1	N.M.B.C	6 1/4	30.51							
1	Mud Motor	6 1/4	28.09							
	Bit	7 7/8	1.00							

Drilling Parameters

Wellbore	Start (ftKB)	Depth End (ftKB)	Cum Depth (ft)	Drill Time (hrs)	Cum Drill Time ...	Int ROP (ft/hr)	Flow Rate (gpm)
Original Hole	5,030.0	5,643.0	5,293.00	22.50	95.50	27.2	445
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	SO HL (1000lbf)	Drilling Torque	Off Btm Tq
18	65	1,775.0	97	97	94		
Q (g inj) (ft ³ /...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) (...)	T (bh) (°F)	P(Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)
							Q (g return) ...

Deviation Surveys

All Survey

Azim...	Date	Description	EWTie In...	Inclin...	MD Tie In (ft...)	NSTie In ...	TVDTie In (ft...)
0.00	5/26/2011	All Survey	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
5,260.00	2.55	199.43	5,256.22	-162.39	-81.63	181.74	0.03
5,549.00	2.46	189.89	5,544.94	-174.56	-84.84	194.09	0.15



Berry Daily Drilling Report

Report Date: 6/1/2011

Report #: 8, DFS: 4.8

Depth Progress: 0

Well Name: FEDERAL 5-4-64

API/UWI 4301333450000		Surface Legal Location SWNW SECTION 4 T6S-R4W		Spud Date Notice		APD State Utah		AFE Number C11 032020		Total AFE Amount					
Spud Date 5/26/2011 10:30:00 PM		Rig Release Date 6/1/2011 6:00:00 AM		KB-Ground Distance (ft) 14.00		Ground Elevation (ftKB) 6,715		Daily Cost 62,278		Cum Cost To Date 205,471					
Operations at Report Time Moving rig				Operations Next 24 Hours move rig to the Federal 11-4D-64, rig up test bops, pick up tools, drill ot.				Daily Mud Cost 3,377		Mud Additive Cost To Date 15,619					
Operations Summary Log well, trip in hole to lay down pipe, make up kelly, circulate polymer sweep to surface, lay down drill string, run casing to 5612'. circulate casing, rig down casers, rig up cementers, pump cement, nipple down set slips @ 75k, rig down prepare for move.								Depth Start (ftKB) 5,643		Depth End (ftKB) 5,643					
Remarks Safety meeting= working with Pro-Petro cementing crew.								Depth Start (TVD) (ftKB)		Depth End (TVD) (ftKB)					
Weather Clear		Temperature (°F) 39.0		Road Condition Dry		Hole Condition Good		Target Formation WASATCH		Target Depth (ftKB) 5,830					
Daily Contacts															
Job Contact						Mobile									
James Marsh						435-828-1879									
Rigs															
Contractor Pioneer Drilling						Rig Number 5									
Mud Pumps															
# 1, Gardner-Denver, PZ-8															
Pump Rating (hp) 750.0			Rod Diameter (in)			Stroke Length (in) 7.99									
Liner Size (in) 6 1/2			Vol/Stk OR (bbl/stk) 0.078												
Pressure (psi)		Slow Spd No		Strokes (spm)		Eff (%)									
# 2, Gardner-Denver, PZ-8															
Pump Rating (hp) 750.0			Rod Diameter (in)			Stroke Length (in) 7.99									
Liner Size (in) 6 1/2			Vol/Stk OR (bbl/stk) 0.078												
Pressure (psi)		Slow Spd No		Strokes (spm)		Eff (%)									
Mud Additive Amounts															
Description				Consumed				Daily Cost							
Dap				10.0				285.00							
Engineer				1.0				450.00							
Equipment rental				1.0				50.00							
Fiber Seal				5.0				82.50							
Gypsum				180.0				1,890.00							
Pallets				5.0				72.50							
Poly Plus				2.0				242.00							
Shrink Wrap				5.0				72.50							
Tax				1.0				232.00							
Job Supplies															
Diesel Fuel, gal us															
Supply Item Description Diesel Fuel										Unit Label gal us					
Total Received		Total Consumed 4,740.0				Total Returned									
Diesel Fuel Consumption															
Date						Consumed									
5/25/2011						279.0									
5/26/2011						100.0									
5/27/2011						371.0									
5/28/2011						742.0									
5/29/2011						814.0									
5/30/2011						1,040.0									
5/31/2011						1,020.0									
6/1/2011						374.0									
Mud Checks															
Type DAP		Time 06:00		Depth (ftKB) 5,643.0		Density (lb/gal) 8.50		Vis (s/qt) 28		PV Calc (cp) 1.0		Yield Point (lb/100ft ²) 1.000			
Gel (10s) (lb/100... 1.000		Gel (10m) (lb/10... 1.000		Gel (30m) (lb/10... 98.0		Filtrate (mL/30min) 800.000		Filter Cake (/32") 7.0		pH 7.0		Solids (%) 2.0			
MBT (lb/bbl)		Percent Oil (%)		Percent Water (%)		Chlorides (mg/L) 800.000		Calcium (mg/L)		KCL (%)		Electric Stab (V)			
CEC for Cuttings		Whole Mud Add (bbl)		Mud Lost to Hole (bbl)		Mud Lost (Surf) (bbl)		Mud Vol (Res) (bbl)		Mud Vol (Act) (bbl) 478.0					
Air Data															
Parasite ACFM (ft ³ /min)			Drillpipe ACFM (ft ³ /min)			ECD Bit (lb/gal)			ECD Parasite (lb/gal)						
Corrosion Inhibitor Injected in 24hr Period															
gls Injected down Parasite (gal)				gls Injected in Mud (gal)				gls Biocide Injected in Mud (gal)							

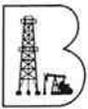
RECEIVED Jun. 03, 2011

Berry Daily Drilling Report

Report Date: 6/1/2011

Report #: 8, DFS: 4.8

Depth Progress: 0



Well Name: FEDERAL 5-4-64

Drill Strings

Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in ²)
Nozzles (/32")	String Length (ft)	String Wt (1000lb)	BHA ROP (ft...)

Drill String Components

Jts	Item Description	OD (in)	Len (ft)	Lobe config	Stages	rpm/gpm	Bit-Bend ft. (ft)	min gpm (gpm)	max gpm (gpm)	SN

Drilling Parameters

Wellbore	Start (ftKB)	Depth End (ftKB)	Cum Depth (ft)	Drill Time (hrs)	Cum Drill Time ...	Int ROP (ft/hr)	Flow Rate (gpm)	
WOB (1000lb)	RPM (rpm)	SPP (psi)	Rot HL (1000lb)	PU HL (1000lb)	SO HL (1000lb)	Drilling Torque	Off Btm Tq	
Q (g inj) (ft ³ ...)	Motor RPM (rpm)	T (Inj) (°F)	P (BH Ann) ...	T (bh) (°F)	P(Surf Ann) ...	T (surf ann) ...	Q (liq rtn) (g...)	Q (g return) ...

Deviation Surveys

All Survey

Azim...	Date	Description	EW TIE In...	Inclin...	MD Tie In (ft...)	NS TIE In ...	TVDTIE In (ft...)
0.00	5/26/2011	All Survey	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77314
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 5-4-64
2. NAME OF OPERATOR: BERRY PETROLEUM COMPANY	9. API NUMBER: 43013334500000
3. ADDRESS OF OPERATOR: 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	PHONE NUMBER: 303 999-4044 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 1252 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 04.0W Meridian: U	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: DUCHESNE STATE: UTAH

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

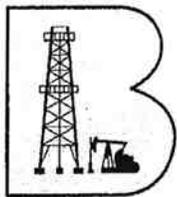
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/14/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="CMPL PROCEDURE"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 PLEASE SEE THE ATTACHED COMPLETION PROCEDURE FOR THE FEDERAL 5-4-64.

Accepted by the Utah Division of Oil, Gas and Mining

 Date: 06/21/2011
 By: *Derek Quist*

NAME (PLEASE PRINT) Kathy K. Fieldsted	PHONE NUMBER 435 722-1325	TITLE Sr. Regulatory & Permitting Tech.
SIGNATURE N/A	DATE 6/10/2011	



Berry Petroleum Company

1999 Broadway, Suite 3700
Denver, CO 80202

Main (303) 999-4400
Fax (303) 999-4401

www.bry.com

Date: June 10, 2011

Well Name: **Federal 5-4-64**
API#: 43-013-33450
Location: Sec 4-T6S-R4W
County, State: Duchesne County, Utah

SHL: 1980 FNL & 1252 FWL
BHL:
Elevations: 6729 ft KB; 6715 ft GL
RTD: 5645 ft
PBSD: 5574 ft; float collar
Surf Csg: 8 5/8" 24# J-55 @ 353 ft; cmt w/ ?? sks cmt
Prod Csg: 5 1/2" 15.5# J-55 @ 5618 ft; cmt w/ 210 sks lead & 300 sks tail
Mkr Jnts: ? ft
Tbg:
SN:
TOC:
Existing Perforations:

Green River Frac Procedure:

1. MIRU wireline unit. Perforate **Uteland Butte f/ 5287 to 5479 ft** w/ 2 spf, 120 deg phase, 19 gm charges, 0.36" EHD. See attached table. RD wireline off wellhead.
2. RU frac equip. Frac Stage 1 down 5 1/2" csg per design (see attached table). Record ISIP. RD frac equip off wellhead.
3. RU wireline unit. Set CBP @ ~5250 ft. Perforate **Lower Castle Peak f/ 5169 to 5179 ft & Castle Peak f/ 5065 to 5118 ft** w/ 2 spf, 120 deg phase, 19 gm charges, 0.36" EHD. See attached table. RD wireline off wellhead.
4. RU frac equip. Frac Stage 2 down 5 1/2" csg per design (see attached table). Record ISIP. RD frac equip off wellhead.
5. RU wireline unit. Set CBP @ ~5040 ft. Perforate **Castle Peak f/ 4861 to 5017 ft & Black Shale f/ 4833 to 4835 ft** w/ 2 spf, 120 deg phase, 19 gm charges, 0.36" EHD. See attached table. RD wireline off wellhead.
6. RU frac equip. Frac Stage 3 down 5 1/2" csg per design (see attached table). Record ISIP. RD frac equip off wellhead.
7. RU wireline unit. Set CBP @ ~4780 ft. Perforate **Douglas Creek f/ 4137 to 4229 ft** w/ 2 spf, 120 deg phase, 19 gm charges, 0.36" EHD. See attached table. RD wireline off wellhead.
8. RU frac equip. Frac Stage 4 down 5 1/2" csg per design (see attached table). Record ISIP. RD frac equip off wellhead.
9. RU wireline unit. Set kill CBP @ ~4090 ft.
10. RDMO wireline unit. RDMO frac equip. NU BOPE.
11. MIRU service unit. RU drlg equip and drill out CBP's and circulate clean to PBSD ft. Record fluid rates and pressures while cleaning out well. RD drlg equip.
12. RIH w/ tail joint, SN & tbg anchor on 2 7/8" tbg. Set EOT ~1 jt below btm perf. ND BOPE.
13. RIH w/ pump & rods. Seat pump, space out. Fill tbg & pressure test to 500 psl.
14. RDMO service unit.
15. Start well pumping.



Uinta Wellbore Schematic

FEDERAL 5-4-64

API/UWI
43013334500000

Surface Legal Location
SWNW SECTION 4 T6S-R4W

APD State
Utah

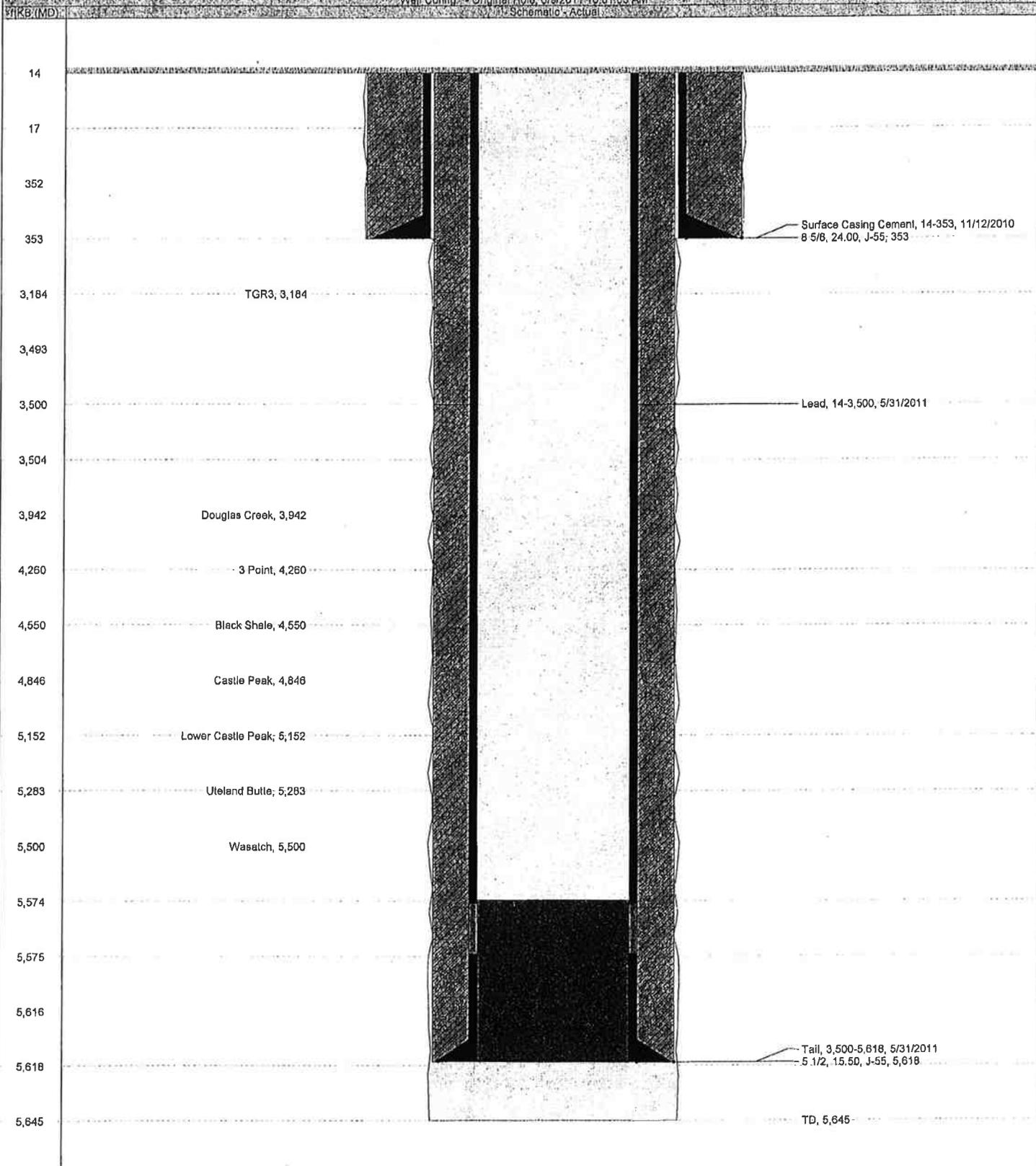
Field Name
Brundage Canyon

Spud Date
5/26/2011

KB-Ground Distance (ft)
14.00

Ground Elevation (ftKB)
6,715

Well Config: Original Hole, 6/9/2011 10:31:03 AM
Schematic: Actual



Federal 5-4-64

6/9/2011

Stage	Stage Top	Stage Bmt	Zone	Top	Bottom	Feet	SPF	Total Holes	Stage Holes	Gross Interval Thickness (ft)	Net Perf'd Thickness (ft)	Net Pay GR<80 API (ft)	Acid Volume (gals)	Sand Volume (1700 lbs per net pay)
1	5,287	5,479	Uteland Butte	5,477	5,479	2	2	4						
1			Uteland Butte	5,471	5,472	1	2	2						
1			Uteland Butte	5,440	5,441	1	2	2						
1			Uteland Butte	5,435	5,436	1	2	2						
1			Uteland Butte	5,428	5,429	1	2	2						
1			Uteland Butte	5,410	5,411	1	2	2						
1			Uteland Butte	5,394	5,396	2	2	4						
1			Uteland Butte	5,387	5,388	1	2	2						
1			Uteland Butte	5,361	5,364	3	2	6						
1			Uteland Butte	5,347	5,350	3	2	6						
1			Uteland Butte	5,309	5,311	2	2	4						
1	5,250		Uteland Butte	5,287	5,288	1	2	2	38	197	19	48	250	80,000
2	5,065	5,179	Lower Castle Peak	5,178	5,179	1	2	2						
2			Lower Castle Peak	5,169	5,170	1	2	2						
2			Castle Peak	5,116	5,118	2	2	4						
2			Castle Peak	5,085	5,088	3	2	6						
2	5,240		Castle Peak	5,065	5,067	2	2	4	18	114	9	28	250	47,600
3	4,833	5,017	Castle Peak	5,015	5,017	2	2	4						
3			Castle Peak	5,000	5,001	1	2	2						
3			Castle Peak	4,974	4,976	2	2	4						
3			Castle Peak	4,926	4,928	2	2	4						
3			Castle Peak	4,896	4,898	2	2	4						
3			Castle Peak	4,861	4,863	2	2	4						
3	4,780		Black Shale	4,833	4,835	2	2	4	26	184	13	25	250	42,500
4	4,137	4,229	Douglas Creek	4,227	4,229	2	2	4						
4			Douglas Creek	4,203	4,205	2	2	4						
4			Douglas Creek	4,187	4,189	2	2	4						
4			Douglas Creek	4,137	4,139	2	2	4	16	92	8	14	250	23,800
Totals														193,900
														1,000
														115
														49
														582
														98
														47,600
														23,800



88 INVERNESS CIRCLE EAST, STE. G-101 · ENGLEWOOD, CO 80112 · PH (303) 757-7789 · FAX (303) 757-7810

BERRY PETROLEUM
FEDERAL 5-4-64
DUCHESNE, UTAH
LEGAL DESCRIPTION
4 STAGE
193,900 16/30 SAND

Prepared for **SUSAN SEARS**
1999 BROADWAY, SUITE 3700
Denver, Colorado 80202
(303) 999-4400

Prepared by **JOE SANDERS**
(303) 757-7789 EXT 107

Service Point - Vernal, Utah
Contact: Tim Anderson
(970) 867-2766

6/10/2011

Filename - Berry Petroleum FEDERAL 5-4-64 4 STAGE 194K 16-30 sand 061011 EMAIL.xls

File Location - C:\Documents and Settings\msm\Local Settings\Temporary Internet Files\Content.Outlook\ZLQP46N9\

Created with StimProp Complete - Version 2.01 11.02.2010

RECEIVED Jun. 10, 2011

6/10/2011

Susan Sears
 Berry Petroleum
 1999 Broadway, Suite 3700
 Denver, Colorado 80202

Thank you for the opportunity to present the following treatment proposal. This recommendation is submitted for your consideration.

Well Data

Casing: 5 1/2 in 17 lb/ft, J-55
 Tubing:

Stage Info	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Formation:	UTELAND BUTTES	LOWER & CASTLE PEAKS	CASTLE PEAKS	DOUGLAS CREEK		
Packer/EOT Depth:						
TVD (For Deviated Wellbore):						
Perf #1 - Top:	5,287	5,065	4,833	4,137		
Perf #1 - Btm:	5,479	5,179	5,017	4,229		
Perf #1 - SPF:	2	2	2	2		
Perf #2 - Top:						
Perf #2 - Btm:						
Perf #2 - SPF:						
Perf #3 - Top:						
Perf #3 - Btm:						
Perf #3 - SPF:						
Perf #4 - Top:						
Perf #4 - Btm:						
Perf #4 - SPF:						
Perf #5 - Top:						
Perf #5 - Btm:						
Perf #5 - SPF:						
Total Shots:	26	30	12	12		
Perf Diameter:	0.36	0.36	0.36	0.36		
Bht (deg F.):	146.894	142.198	138.65	125.294		
Estimated Frac Gradient:	0.85	0.85	0.85	0.85		

Treatment Summary

Primary Fluid SpGr:	1.01	1.01	1.01	1.01		
Treat Via:	Casing	Casing	Casing	Casing		
Primary Fluid Type:	MavFrac	MavFrac	MavFrac	MavFrac		
CO2 (y/n):	N	N	N	N		
Estimated Treat psi:	3,160	2,950	4,460	4,110		
Estimated Perf Fric (psi):	417	313	1,958	1,958		
Acid Volume (gls):	500	250	250			
Total Clean Fluid/Foam (gls):	51,250	20,028	17,936	11,047		
Pad Volume (gls):	17,250	7,335	6,603	4,700		
SLF Volume (gls):	34,000	12,693	11,333	6,347		
Estimated Flush Volume (gls):	6,037	4,815	4,583	4,137		
Proppant Volume (lbs):	80,000	47,600	42,500	23,800		
Estimated Pump Time (min):	36.0	18.3	16.8	11.8		

*NOTE: Total clean fluid/foam volume does not include flush volume.

10-Jun-11
 BERRY PETROLEUM
 FEDERAL 5-4-84
 DOUGLAS CREEK 4137-4229 16 HOLES



Stage	HC%/ Prop Mesh	Gel ppt	Clean Foam/ Clean Fluid		Downhole (design) - Ramp Proppant			Surface (calc)				N2 scf	CO2 Tons	Surf Slurry bbls	Surf Clean bbls	
			gals	gals	Ramp Start Prop Conc ppg	Ramp End Prop Conc ppg	Rate bpm	N2%	CO2% scfm	Avg N2 Rate bpm	Avg CO2 Rate bpm					Avg Slurry Rate bpm
PAD			500		5.0									12	12	
PAD			4,200		40.0									112	112	
SAND	16/30	25	3,967	1.0	5.0									219	206	
SAND	16/30	25	2,380	5.0	40.0									289	263	
FLUSH		25	4,137		40.0									387	362	
<< Totals >>																
			15,184												387	362

Stage	HC%/ Prop Mesh	% C/n Fluid	Downhole		Avg Prop Conc ppg	Constant Internal Phase	Avg Bindr Conc ppg	Ramp Proppant		N2 Stage scf	CO2 Stage tons	Time Stage min	DH Foam Slurry Stage bbls	Stage			
			Clean Foam/ Clean Fluid gals	Avg Prop Conc ppg				Avg Rate lb/min	Total lbs					Surf Slurry bbls	Surf Clean bbls		
PAD		100.0%	500									2.4	11.9	11.9	100.0		
PAD		100.0%	4,200									2.5	100.0	100.0	100.0		
SAND	16/30	88.0%	3,967	3	3.00	11.9%	4,438	11,900	11,900			2.7	107.3	107.3	94.4		
SAND	16/30	81.5%	2,380	5	5.00	18.4%	6,852	23,800	11,900			1.7	65.5	69.5	56.7		
FLUSH		100.0%	4,137					23,800				2.5	98.5	98.5	98.5		
<< Totals >>																	
												23,800			11.8	387	362

Bottomhole Treating Pressure: 2380 psi
 Bottomhole Temp: 117.0 deg. F
 Calculated N2 Volume Factor: 1.170 scf/bbl
 Bottomhole CO2 Volume Factor: 2.150 scf/bbl
 Proppant Specific Gravity: 2.65

RECEIVED Jun. 10, 2011

CO2 AND N2 REQUIREMENTS

-
-
-
-

PROPPANT REQUIREMENTS

SAND	16/30	Texas Gold		193,900 lbs
			Total:	193,900 lbs

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77314																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:																														
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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/17/2011	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE																														
<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION																														
<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																														
<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION																														
<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																														
<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. PLEASE SEE THE ATTACHED COMPLETION HISTORY FOR THE FEDERAL 5-4-64.																																
<p style="font-size: 1.2em; margin: 0;">Accepted by the</p> <p style="font-size: 1.2em; margin: 0;">Utah Division of</p> <p style="font-size: 1.2em; margin: 0;">Oil, Gas and Mining</p> <p style="font-size: 1.5em; margin: 0;">FOR RECORD ONLY</p>																																
NAME (PLEASE PRINT) Kathy K. Fieldsted	PHONE NUMBER 435 722-1325	TITLE Sr. Regulatory & Permitting Tech.																														
SIGNATURE N/A	DATE 6/22/2011																															



Berry Daily Completion and Workover

Report # 1, Report Date: 6/13/2011

Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	Field Name Brundage Canyon	APD State Utah
Well Configuration Type	Original KB Elevation (ftKB) 6,729	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Primary Job Type Initial Completion	Secondary Job Type
Objective	

Contractor Stevenson Well Serv	Rig Number #1
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AFE Number	Total AFE Amount	Daily Cost	Cum Cost To Date
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Weather	T (°F)	Road Condition	Tubing Pressure (psi)	Casing Pressure (psi)	Rig Time (hrs)
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Job Contact	Title	Mobile
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Time Log					
Start Time	End Time	Dur (hrs)	Code 1	Operation	Comment
06:00	06:00		LOGG	Logging	RU Pioneer Run Cement Bond Log from 5546' to surface bond good, cement top @ 80'
06:00	06:00		PFRT	Perforating	PU & RIH w/ 3-1/3 csg guns 2 SPF & perforate the Uteland Butte from 5479' to 5287' 38 holes @ 5477'-79', 5471-72', 5440-41', 5435-36', 5428-29', 5410-11', 5394-96', 5387-88', 5361-64', 5347-50', 5309-11', 5287-88'. POOH, CWI, RD Pioneer

Report Fluids Summary				
Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Daily Costs				
Code 1	Code 2	Code 3	Cost	Cost Description

Safety Checks			
Time	Description	Type	Comment

Logs				
Date	Type	Top (ftKB)	Btm (ftKB)	Cased?
				No

Perforations				
Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status

Date	Zone	Type	Stim/Treat Company

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (pumped) (bbl)

Other In Hole				
Description	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)

Cement		
Description	Start Date	Cement Comp



Berry Daily Completion and Workover

Report # 2, Report Date: 6/14/2011

Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	Field Name Brundage Canyon	APD State Utah
Well Configuration Type	Original KB Elevation (ftKB) 6,729	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Primary Job Type Initial Completion		Secondary Job Type		
Objective				
Contractor Stevenson Well Serv			Rig Number #1	
AFE Number	Total AFE Amount	Daily Cost 135,238	Cum Cost To Date 135,238	
Weather	T (°F)	Road Condition	Tubing Pressure (psi)	Casing Pressure (psi) Rig Time (hrs)
Job Contact		Title		Mobile

Start Time	End Time	Dur (hrs)	Code 1	Operation	Comment
06:00	06:00		FRAC	Frac. Job	6:30 am safety meeting. JSA. RU Maverick & break down Uteland Butte perfs from 5479' to 5287' 38 holes, @ 3270 psi, pump 6 bbls acid, 405 bbls pad, 619 bbls 1# to 3# 16/30 sand, ramped, 191 bbls 3# to 4# 16/30 sand, ramped, 128.6 bbls off flush w/ acid. ISIP 2880 psi, max press 3615 psi, avg press 2974 psi, max rate 43.8 BPM, avg rate 41.5 BPM, 80,000# 16/30 sand in formation, 1353 total bbls pumped. FRAC GR .997
06:00	06:00		PFRT	Perforating	RU Pioneer & RIH w/ CBP & 3-1/2 csg guns 2spf. Set CBP @ 5240' & perforate the Lower Castle Peak from 5179' to 5065', 18 holes, @ 5178-79', 5169-70', 5116-18', 5085-88', 5065-67', 18 holes. POOH w/ guns CWI. RD. Pioneer
06:00	06:00		FRAC	Frac. Job	RU Maverick & break down Lower Castle peak perfs from 5179' to 5065', 18 holes @ 3210 psi, pump 163 bbls off pad, 189 bbls off 1# to 5# 16/30 sand, ramped, 113 bbls off 5# 16/30 sand, 123.5 bbls off flush w/ acid. ISIP 1450 psi, max press 3214 psi, avg press 2112 psi, max rate 40.5 bpm, avg rate 40 bpm, 47,600# 16/30 sand in formation. 588 total bbls pumped. FRAC GR .72.
06:00	06:00		PFRT	Perforating	RU Pioneer & RIH w/ CBP, 3-1/2 csg guns 2spf. set CBP @ 5050' and perforate the Castle Peak from 5017' to 4833', 26 holes @ 5015-17', 5000-01', 4974-76', 4926-28', 4896-98', 4861-63', 4833-35', 26 holes. POOH w/ guns CWI RD Pioneer
06:00	06:00		FRAC	Frac. Job	RU Mavrick & Break down Castle Peak Perfs from 5017' to 4833', 26 holes @ 2480 psi, pump 145 bbls pad, 169 bbls off 1# to 5# 16/30 sand, ramped, 101 bbls off 5# 16/30 sand, 118 bbls off flush w/ acid. ISIP 1610 psi, max press 3046 psi, avg press 1942 psi, max rate 42.4 bpm, avg rate 42 bpm, 42,500# off 16/30 sand in formation, 533 bbls total fluid pumped. FRAC GR .77. CWI RD Mavrick
06:00	06:00		PFRT	Perforating	RU Poiner & RIH w/ CBP, 3-1/2 csg guns 2 spf, set CBP @ 4290' & perforate the Douglas Creek from 4229' to 4137', 16 holes @ 4227-29', 4203-05', 4187-89', 4137-39', 16 holes. POOH w/ guns CWI RD Pioneer.
06:00	06:00		FRAC	Frac. Job	RU Mavrick & break down Douglas Creek perfs from 4229' to 4137', 16 holes @ 4060 psi, pump 100 bbls pad, 94 bbls 1# to 5# 16/30 sand, ramped, 57 bbls 5# 16/30 sand, 102 bbls flush, ISIP 2170 psi, max press 4084 psi, avg press 2498 psi, max rate 40.8 bpm, avg rate 36 bpm. 23,800 16/30 sand in formation. 353 total bbls pumped. FRAC GR.96 RD Maverick.

Report Fluids Summary				
Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Daily Costs				
Code 1	Code 2	Code 3	Cost	Cost Description
152	2106	ICC	7,000	ICC-WATER&WATERHAULING
152	2345	ICC	12,690	ICC-PERFORATING
152	2358	ICC	4,500	ICC-BRIDGE PLUGS & PACKERS
152	2360	ICC	107,348	ICC-STIMULATION/ACIDIZING
152	2380	ICC	200	ICC-SURFACE RENTALS
152	2340	ICC	3,000	ICC-HOT OILING
154	9999	TCC	500	TCC-CONTINGENCY

Safety Checks			
Time	Description	Type	Comment

Logs				
Date	Type	Top (ftKB)	Btm (ftKB)	Cased?
				No



Berry Daily Completion and Workover

Report # 2, Report Date: 6/14/2011

Well Name: **FEDERAL 5-4-64**

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	Field Name Brundage Canyon	APD State Utah
Well Configuration Type	Original KB Elevation (ftKB) 6,729	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Perforations

Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status

Date	Zone	Type	Stim/Treat Company

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (pumped) (bbl)

Other In Hole

Description	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)

Cement

Description	Start Date	Cement Comp



Berry Daily Completion and Workover

Report # 3, Report Date: 6/15/2011

Well Name: **FEDERAL 5-4-64**

API/UVI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	Field Name Brundage Canyon	APD State Utah
Well Configuration Type	Original KB Elevation (ftKB) 6,729	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Primary Job Type Initial Completion	Secondary Job Type
Objective	

Contractor Stevenson Well Serv	Rig Number #1
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AFE Number	Total AFE Amount	Daily Cost 39,050	Cum Cost To Date 174,288
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Weather	T (°F)	Road Condition	Tubing Pressure (psi)	Casing Pressure (psi)	Rig Time (hrs)
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Job Contact	Title	Mobile
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Start Time	End Time	Dur (hrs)	Code 1	Operation	Comment
06:00	06:00		CLN	Clean Out Hole	7am safety meeting. JSA. MIRU ND FRAC VALVE NU BOP SPOT IN TBG TRAILER, PUMP & TANK. PU & RIH W/ 4-3/4 BIT TAG FILL JT #136 @ 4251' RU SWIVEL BREAK CIRCULATION CLEAN OUT TO 1ST PLUG @ 4290' DRILL OUT PLUG RIH TAG FILL JTS #160 @ 5010' POOH W/ 1 JT CWI SDFN @ 5PM

Report Fluids Summary				
Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Daily Costs				
Code 1	Code 2	Code 3	Cost	Cost Description
152	2106	ICC	600	ICC-WATER&WATERHAULING
152	2380	ICC	1,100	ICC-SURFACE RENTALS
152	3705	ICC	1,350	ICC-BITS AND REAMERS
154	3530	TCC	34,000	TCC-TUBING&ATTACHMENTS
154	3525	TCC	1,500	TCC-WELLHEAD/TREEEQUIPMENT
154	9999	TCC	500	TCC-CONTINGENCY

Safety Checks			
Time	Description	Type	Comment

Logs				
Date	Type	Top (ftKB)	Btm (ftKB)	Cased?
				No

Perforations				
Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status

Date	Zone	Type	Stim/Treat Company
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Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (pumped) (bbl)
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Other In Hole				
Description	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)

Cement		
Description	Start Date	Cement Comp



Berry Daily Completion and Workover

Report # 4, Report Date: 6/16/2011

Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	Field Name Brundage Canyon	APD State Utah
Well Configuration Type	Original KB Elevation (ftKB) 6,729	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Primary Job Type Initial Completion	Secondary Job Type
Objective	

Contractor Stevenson Well Serv	Rig Number #1				
AFE Number	Total AFE Amount 39,865	Daily Cost	Cum Cost To Date 214,153		
Weather	T (°F)	Road Condition	Tubing Pressure (psi)	Casing Pressure (psi)	Rig Time (hrs)
Job Contact	Title	Mobile			

Start Time	End Time	Dur (hrs)	Code 1	Operation	Comment
06:00	06:00		CLN	Clean Out Hole	7am safety meeting. JSA. SICP 100 psi, SITP 100 psi, RIH Tag fill 5010' break circulation clean out to 2nd plug @ 5050' drill out plug. RIH tag fill @ 5200' clean out to 3rd plug @ 5240' drill out plug. RIH tag fill @ 5514' clean out to float Collar @ 5574', Circulate hole clean POOH W/ 178 jts & 4-3/4 bit. LD bit & 3jts Tbg.
06:00	06:00		RUTB	Run Tubing	PU & RIH w/ 1 jt, PSN w/ bleed collar, TAC w/ 35 k shear, 175 jts 2-7/8" J-55 Tbg. ND BOPs set TAC W/ 12000# tension NU WH X Over to Rods
06:00	06:00		RURP	Run Rods & Pump	PU & RIH w/ 2-1/2 X 1-1/2 X 15.5' pump w/ 8' sand screen, 4 1-1/2 sinker bars w/ 5 guided subs, 15 3/4" guided rods 6 per, 112 3/4" guided rods 4 per, PU Polish Rod CWI SDFN @ 8pm

Report Fluids Summary				
Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Daily Costs				
Code 1	Code 2	Code 3	Cost	Cost Description
152	2305	ICC	4,275	ICC-RIGCOST-COMPLETION
152	2111	ICC	990	ICC-TRUCKING&HAULING
152	2380	ICC	1,100	ICC-SURFACE RENTALS
154	3535	TCC	33,000	TCC-SUCKER ROD, PUMPS, SINKER BARS
154	9999	TCC	500	TCC-CONTINGENCY

Safety Checks			
Time	Description	Type	Comment

Logs				
Date	Type	Top (ftKB)	Btm (ftKB)	Cased?
				No

Perforations				
Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status

Date	Zone	Type	Stim/Treat Company

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (pumped) (bbl)

Other In Hole				
Description	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)

Cement		
Description	Start Date	Cement Comp



Berry Daily Completion and Workover

Report # 5, Report Date: 6/17/2011

Well Name: FEDERAL 5-4-64

API/UWI 43013334500000	Surface Legal Location SWNW SECTION 4 T6S-R4W	Spud Date Notice	Field Name Brundage Canyon	APD State Utah
Well Configuration Type	Original KB Elevation (ftKB) 6,729	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Primary Job Type Initial Completion	Secondary Job Type				
Objective					
Contractor Stevenson Well Serv	Rig Number #1				
AFE Number	Total AFE Amount 2,093	Daily Cost	Cum Cost To Date 216,246		
Weather	T (°F)	Road Condition	Tubing Pressure (psi)	Casing Pressure (psi)	Rig Time (hrs)
Job Contact	Title	Mobile			

Time Log					
Start Time	End Time	Dur (hrs)	Code 1	Operation	Comment
06:00	06:00		RURP	Run Rods & Pump	7am safety meeting. JSA. SITP 0 psi, SICP 0 psi. Finish PU & RIH w/ 7/8" rods seat pump fill Tbg w/ 3 bbls press test to 500 psi, stroke test to 500 psi. Hang Horses Head, space out rods RDMO to 11-4d-64
06:00	06:00				Final Report Load Water 2827 bbls PBSD @ 5574' EOT @ 5544' PSN @ 5513'

Report Fluids Summary				
Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Daily Costs				
Code 1	Code 2	Code 3	Cost	Cost Description
152	2305	ICC	1,593	ICC-RIGCOST-COMPLETION
154	9999	TCC	500	TCC-CONTINGENCY

Safety Checks			
Time	Description	Type	Comment

Logs				
Date	Type	Top (ftKB)	Botm (ftKB)	Cased?
				No

Perforations				
Date	Zone	Top (ftKB)	Botm (ftKB)	Current Status

Date	Zone	Type	Stim/Treat Company

Stg No.	Stage Type	Top (ftKB)	Botm (ftKB)	V (pumped) (bbl)

Other In Hole				
Description	Run Date	OD (in)	Top (ftKB)	Botm (ftKB)

Cement		
Description	Start Date	Cement Comp

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77314
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEDERAL 5-4-64
2. NAME OF OPERATOR: BERRY PETROLEUM COMPANY		9. API NUMBER: 43013334500000
3. ADDRESS OF OPERATOR: 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	PHONE NUMBER: 303 999-4044 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 1252 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/29/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. PLEASE NOTE THAT THE FEDERAL 5-4-64 WENT TO SALES ON JUNE 29, 2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Kathy K. Fieldsted	PHONE NUMBER 435 722-1325	TITLE Sr. Regulatory & Permitting Tech.
SIGNATURE N/A		DATE 6/29/2011

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU77314

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
FEDERAL 5-4-64

9. API NUMBER:
4301333450

10. FIELD AND POOL, OR WILDCAT
BRUNDAGE CANYON

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWNW 4 6S 4W U

12. COUNTY
DUCHESNE

13. STATE
UTAH

14. DATE SPUNDED: 11/6/2010

15. DATE T.D. REACHED: 6/1/2011

16. DATE COMPLETED: 6/17/2011

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
6715 GL

18. TOTAL DEPTH: MD 5,645

TVD

19. PLUG BACK T.D.: MD 5,574

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

ELECTRONIC
DFG, GR, CD, CN, EBL, GR, TVD

23.

WAS WELL CORED? NO YES (Submit analysis)

WAS DST RUN? NO YES (Submit report)

DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.5	8.625 J-55	24		353		G 225			
7.875	5.5 J-55	15.5		5,618		PL 210		80'	
						PLHS 300			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,698							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) UTELAND	5,287	5,479		
(B) CASTLE PEAK	4,833	5,179		
(C) DOUGLAS CREEK	4,137	4,229		
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
5,287 5,479	.36	38	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,833 5,179	.36	44	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,137 4,229	.36	16	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
UTELAND	FRAC W/ 80,000 LBS SAND & 1,353 BBLs FLUID
CASTLE PEAK	FRAC W/ 90,100 LBS SAND & 1,121 BBLs FLUID
DOUGLAS CREEK	FRAC W/ 23,800 LBS SAND & 353 BBLs FLUID

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- GEOLOGIC REPORT
- CORE ANALYSIS
- DST REPORT
- OTHER: _____
- DIRECTIONAL SURVEY

30. WELL STATUS:

RECEIVED

JUL 07 2011

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/29/2011		TEST DATE: 6/29/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 43	GAS - MCF: 21	WATER - BBL: 100	PROD. METHOD: PUMPING
CHOKE SIZE:	TBG. PRESS. 350	CSG. PRESS. 50	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS: PRODUCING

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GR	1,539
				MAHOGANY	2,142
				TGR3	3,185
				DOUGLAS CREEK	3,942
				BLACK SHALE	4,550
				CASTLE PEAK	4,846
				UTELAND	5,283
				WASATCH	5,482

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) KATHY K. FIELDSTED TITLE SR REG & PERMITTING TECH
 SIGNATURE *Kathy K. Fieldsted* DATE 6/30/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Berry Petroleum		8. WELL NAME and NUMBER: See Attached List
3. ADDRESS OF OPERATOR: Rt 2 Box 7735 CITY Roosevelt STATE UT ZIP 84066		9. API NUMBER: Attached
		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Produced wastewater from Berry Petroleum Company wells (see attached well list) will be or have been used for injection in our enhanced oil recovery project(s) in the Brundage Canyon Field or they will be trucked to one of the following approved waste water disposal sites:

- R.N. Industries, Inc. Sec. 4, T2S, R2W, Bluebell
- MC & MC Disposal Sec. 12, T6S, R19E, Vernal
- LaPoint Recycle & Storage Sec. 12, T5S, R19E, LaPoint
- Water Disposal Inc. Sec. 32, T1S, R1W, Roosevelt
- ITL 4461 W 3000 So Roosevelt Location Pleasant Valley
- IWM PO Box 430 Altamont or 20250 W 2000 S Duchesne Location – Blue Bench
- Pro Water 12223 Highland Ave Ste B503 Rancho Cucamonga Ca 91739 Location – Blue Bench

COPY SENT TO OPERATOR

Date: 12-13-2012
Initials: KS

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 12/11/12

NAME (PLEASE PRINT) Krista Mecham

By: [Signature] TITLE Sr. Regulatory & Permitting Tech

SIGNATURE [Signature]

DATE 11/21/2012

(This space for State use only)

*Federal Approval of this action
required for Federal Wells.*

RECEIVED

DEC 06 2012

API	Well Name	Lease
43-013-32710	#1 DLB 12-15-56	Fee
43-013-33447	1-15-56 DLB	Fee
43-013-33378	14-11-56 DLB	Fee
43-013-30842	B C UTE TRIBAL 14-15	14-20-H62-3412
43-013-30841	B C UTE TRIBAL 16-16	14-20-H62-3413
43-013-30829	B C UTE TRIBAL 8-21	14-20-H62-3414
43-013-30755	BC UTE TRIBAL 4-22	14-20-H62-3415
43-013-33216	BERRY TRIBAL 1-23-54	14-20-H62-4943
43-013-33867	BERRY TRIBAL 2-34D-54	14-20-H62-4955
43-013-33384	BERRY TRIBAL 4-34-54	14-20-H62-4955
43-013-33381	BERRY TRIBAL 7-23-54	14-20-H62-4943
43-013-33383	BERRY TRIBAL 7-34-54	14-20-H62-4955
43-013-33417	BERRY TRIBAL 8-23D-54	14-20-H62-4943
43-013-33465	BERRY TRIBAL 9-23-54	14-20-H62-4943
43-013-33382	BERRY TRIBAL 9-34-54	14-20-H62-4955
43-013-33724	BERRY TRIBAL 10-23D-54	14-20-H62-4943
43-013-33422	BERRY TRIBAL 10-34D-54	14-20-H62-4955
43-013-33725	BERRY TRIBAL 11-23D-54	14-20-H62-4943
43-013-33529	BERRY TRIBAL 11-34D-54	14-20-H62-4955
43-013-50527	BERRY TRIBAL 12-34D-54	14-20-H62-4955
43-013-34043	BERRY TRIBAL 13-23-54	14-20-H62-4943
43-013-33989	BERRY TRIBAL 14-23D-54	14-20-H62-4943
43-013-33217	BERRY TRIBAL 15-23-54	14-20-H62-4943
43-013-33411	BERRY TRIBAL 15-34-54	14-20-H62-4955
43-013-33464	BERRY TRIBAL 16-34D-54	14-20-H62-4955
43-013-50524	FEDERAL 1-1D-64	UTU-77321
43-013-51142	FEDERAL 1-1D-65	UTU-77326
43-013-51232	FEDERAL 1-11-65	UTU-77330
43-013-50326	FEDERAL 10-1D-65	UTU-77326
43-013-33542	FEDERAL 10-2-65	UTU-77326
43-013-33386	FEDERAL 10-3-65	UTU-77326
43-013-50735	FEDERAL 10-6D-64	UTU-77322
43-013-33451	FEDERAL 11-10-65	UTU-77330
43-013-50327	FEDERAL 11-1D-65	UTU-77326
43-013-50763	FEDERAL 11-2D-65	UTU-77326
43-013-50565	FEDERAL 11-4D-64	UTU-77314
43-013-50348	FEDERAL 11-5D-64	UTU-8894A
43-013-34284	FEDERAL 11-6D-64	UTU-77322
43-013-50328	FEDERAL 12-1D-65	UTU-77326
43-013-50737	FEDERAL 12-3D-64	UTU-77321
43-013-50349	FEDERAL 12-5D-64	UTU-8894A
43-013-50261	FEDERAL 12-6D-64	UTU-77322
43-013-50730	FEDERAL 1-2D-64	UTU-77321
43-013-33966	FEDERAL 1-2D-65	UTU-77326
43-013-50329	FEDERAL 13-1D-65	UTU-77326
43-013-50337	FEDERAL 13-5D-64	UTU-8894A
43-013-50347	FEDERAL 13-6D-64	UTU77322
43-013-50330	FEDERAL 14-1D-65	UTU-77326

43-013-50338	FEDERAL 14-5D-64	UTU-8894A
43-013-34285	FEDERAL 14-6D-64	UTU-77322
43-013-51175	FEDERAL 15-1D-65	UTU-77326
43-013-50764	FEDERAL 15-2D-65	UTU-77326
43-013-50553	FEDERAL 15-5D-65	UTU-77327
43-013-51176	FEDERAL 16-1D-65	UTU-77326
43-013-33490	FEDERAL 16-5-65	UTU-77327
43-013-50266	FEDERAL 1-6-64	UTU-77322
43-013-51233	FEDERAL 2-11D-65	UTU-77326
43-013-50759	FEDERAL 2-1D-65	UTU-77326
43-013-33385	FEDERAL 2-2-65	UTU-77326
43-013-34018	FEDERAL 2-2D-64	UTU-77321
43-013-34286	FEDERAL 2-6D-64	UTU-77322
43-013-51093	FEDERAL 3-12D-65	UTU-77326
43-013-50760	FEDERAL 3-1D-65	UTU-77326
43-013-34001	FEDERAL 3-2D-65	UTU-77326
43-013-50782	FEDERAL 3-4D-65	UTU-77327
43-013-34287	FEDERAL 3-5D-64	UTU-8894A
43-013-50268	FEDERAL 3-6D-64	UTU-77322
43-013-51094	FEDERAL 4-12D-65	UTU-77326
43-013-50736	FEDERAL 4-3D-64	UTU-77321
43-013-50521	FEDERAL 4-4D-65	UTU-77327
43-013-50263	FEDERAL 4-5D-64	UTU-8894A
43-013-50267	FEDERAL 4-6D-64	UTU-77322
43-013-51095	FEDERAL 5-12D-65	UTU-77330
43-013-50761	FEDERAL 5-1D-65	UTU-77326
43-013-33448	FEDERAL 5-3-64	UTU-77321
43-013-33450	FEDERAL 5-4-64	UTU-77326
43-013-33387	FEDERAL 5-4-65	UTU-77327
43-013-50259	FEDERAL 5-5D-64	UTU-8894A
43-013-33489	FEDERAL 5-6-65	UTU-77327
43-013-50269	FEDERAL 5-6D-64	UTU-77322
43-013-33491	FEDERAL 6-11-65	UTU-77330
43-013-51096	FEDERAL 6-12D-65	UTU-77330
43-013-32699	FEDERAL 6-1-65	UTU-77325
43-013-32557	FEDERAL 6-2-65	UTU-77326
43-013-50522	FEDERAL 6-3D-64	UTU-77321
43-013-34288	FEDERAL 6-5D-64	UTU-8894A
43-013-33745	FEDERAL 6-6D-64	UTU-77322
43-013-50566	FEDERAL 6-6D-65	UTU-77327
43-013-34061	FEDERAL 7-11D-65	UTU-77330
43-013-34015	FEDERAL 7-1D-65	UTU-77325
43-013-50734	FEDERAL 7-2D-64	UTU-77321
43-013-50525	FEDERAL 7-2D-65	UTU-77326
43-013-34065	FEDERAL 7-3D-65	UTU-77326
43-013-34020	FEDERAL 7-6D-64	UTU-77322
43-013-51232	FEDERAL 8-11D-65	UTU-77326
43-013-33449	FEDERAL 8-1-64	UTU-77321
43-013-50350	FEDERAL 8-1D-65	UTU-77326

43-013-33581	FEDERAL 8-2D-64	UTU-77321
43-013-50719	FEDERAL 8-2D-65	UTU-77326
43-013-50325	FEDERAL 8-6D-64	UTU-77322
43-013-50342	FEDERAL 9-1D-65	UTU-77326
43-013-50762	FEDERAL 9-2D-65	UTU-77326
43-013-51218	FEDERAL 9-6D-64	UTU-77322
43-013-32351	FOY TRIBAL 11-34-55	UTU-76968
43-013-33799	FOY TRIBAL 12H-33-55	FEE
43-013-51288	LC FEE 10-28D-56	FEE
43-013-50994	LC FEE 10-31D-45	FEE
43-013-50965	LC FEE 1-22-57	FEE
43-013-50718	LC FEE 1-22D-56	FEE
43-013-51371	LC FEE 1-31D-45	FEE
43-013-50929	LC FEE 13-29-45	FEE
43-013-50870	LC FEE 15-23D-56	FEE
43-013-50601	LC FEE 16-16D-56	FEE
43-013-50777	LC FEE 2-20D-56	FEE
43-013-33593	LC FEE 6-12-57	FEE
43-013-50867	LC FEE 8-28D-56	FEE
43-013-50928	LC FEE 8-29-45	FEE
43-013-50963	LC FEE 9-12D-57	FEE
43-013-51192	LC FEE 9-19-56	FEE
43-013-50602	LC TRIBAL 10-16D-56	14-20-H62-6301
43-013-50999	LC TRIBAL 10-21-56	14-20-H62-3433
43-013-33677	LC TRIBAL 11-17-56	14-20-H62-6300
43-013-50751	LC TRIBAL 11-3D-56	14-20-H62-6435
43-013-50780	LC TRIBAL 12-22D-56	14-20-H62-6302
43-013-33606	LC TRIBAL 12H-6-56	14-20-H62-5500
43-013-34282	LC TRIBAL 13-16D-56	14-20-H62-5623
43-013-33591	LC TRIBAL 13H-3-56	14-20-H62-6435
43-013-50776	LC TRIBAL 14-14D-56	14-20-H62-6436
43-013-50834	LC TRIBAL 14-15D-56	14-20-H62-6435
43-013-33492	LC TRIBAL 14-2-56	14-20-H62-6472
43-013-51030	LC TRIBAL 15-15D-56	14-20-H62-6435
43-013-50606	LC TRIBAL 15-22D-56	14-20-H62-6302
43-013-50871	LC TRIBAL 15-26-56	14-20-H62-6471
43-013-51132	LC TRIBAL 16-30D-56	2OG-000-5500
43-013-33608	LC TRIBAL 1-9-56	14-20-H62-5657
43-013-33538	LC TRIBAL 2-16D-56	14-20-H62-5623
43-013-51429	LC TRIBAL 2-28D-45	2OG-000-5500
43-013-50866	LC TRIBAL 2-28D-56	14-20-H62-6473
43-013-50925	LC TRIBAL 2-5D-56	14-20-H62-6432
43-013-50926	LC TRIBAL 2-9D-56	14-20-H62-5657
43-013-50598	LC TRIBAL 3-15D-56	14-20-H62-6435
43-013-33541	LC TRIBAL 3-17-56	14-20-H62-5655
43-013-50751	LC TRIBAL 3-21D-56	14-20-H62-3433
43-013-50976	LC TRIBAL 3-34-45	2OG-000-5500
43-013-33580	LC TRIBAL 3-5-56	14-20-H62-6257
43-013-33539	LC TRIBAL 4-16-56	14-20-H62-6301

43-013-50262	LC TRIBAL 4-27D-56	14-20-H62-6303
43-013-50661	LC TRIBAL 5-14D-56	14-20-H62-6436
43-013-50752	LC TRIBAL 5-21D-56	14-20-H62-3433
43-013-50625	LC TRIBAL 5-23D-56	14-20-H62-6434
43-013-50260	LC TRIBAL 6-22D-56	14-20-H62-6302
43-013-50868	LC TRIBAL 6-27D-56	14-20-H62-6303
43-013-51034	LC TRIBAL 6-28-45	2OG-000-5500
43-013-51073	LC TRIBAL 7-27-45	2OG-000-5500
43-013-33577	LC TRIBAL 7-3-56	14-20-H62-5656
43-013-50599	LC TRIBAL 8-16D-56	14-20-H62-6301
43-013-33576	LC TRIBAL 8-28-46	14-20-H62-5500
43-013-51131	LC TRIBAL 8-30D-56	2OG-000-5500
43-013-33605	LC TRIBAL 8-4-56	14-20-H62-6256
43-013-51031	LC TRIBAL 9-15D-56	14-20-H62-6435
43-013-51430	LC TRIBAL 9-28D-45	2OG-000-5500
43-013-51112	LC TRIBAL 9-8D-56	2OG-000-5500
43-013-51198	LC TRIBAL 9-9D-56	2OG-000-5500
43-013-51076	LC Tribal 11-24-45	2OG-000-5500
43-013-32931	MOON TRIBAL 10-2-54	14-20-H62-3404
43-013-32540	MOON TRIBAL 10-27-54	14-20-H62-3375
43-013-32845	MOON TRIBAL 11-27-54	14-20-H62-3375
43-013-32347	MOON TRIBAL 12-23-54	14-20-H62-4943
43-013-32541	MOON TRIBAL 12-27-54	14-20-H62-3375
43-013-32937	MOON TRIBAL 1-27-54	14-20-H62-3375
43-013-32801	MOON TRIBAL 13-27-54	14-20-H62-3375
43-013-32408	MOON TRIBAL 14-27-54	14-20-H62-3375
43-013-32846	MOON TRIBAL 15-27-54	14-20-H62-3375
43-013-32927	MOON TRIBAL 16-23-54	14-20-H62-4943
43-013-34109	MOON TRIBAL 16-27D-54	14-20-H62-3375
43-013-32613	MOON TRIBAL 3-27-54	14-20-H62-3375
43-013-32800	MOON TRIBAL 4-23-54	14-20-H62-4943
43-013-32938	MOON TRIBAL 5-23-54	14-20-H62-4943
43-013-32802	MOON TRIBAL 5-27-54	14-20-H62-3375
43-013-32843	MOON TRIBAL 6-23-54	14-20-H62-4943
43-013-32407	MOON TRIBAL 6-27-54	14-20-H62-3375
43-013-33365	MOON TRIBAL 7-27D-54	14-20-H62-3375
43-013-32543	MOON TRIBAL 8-27-54	14-20-H62-3375
43-013-32782	MYRIN TRIBAL 14-19-55	14-20-H62-5058
43-013-32934	MYRIN TRIBAL 16-19-55	14-20-H62-5058
43-013-33152	NIELSEN FEE 13-11-56	14-20-H62-5620
43-013-32737	NIELSEN MARSING 13-14-56	FEE
43-013-31131	S BRUNDAGE CYN UTE TRIBAL 4-27	14-20-H62-3375
43-013-30948	S BRUNDAGE UTE TRIBAL 1-30	14-20-H62-3417
43-013-30933	S COTTONWOOD RIDGE UTE TRIBAL 1-19	14-20-H62-4919
43-007-30890	SCOFIELD THORPE 22-41X RIG SKID	FEE
43-007-31001	SCOFIELD-THORPE 23-31	FEE
43-007-30991	SCOFIELD-THORPE 35-13	FEE
43-013-50686	SFW FEE 14-10D-54	FEE
43-013-50247	SFW FEE 15-10-54	FEE

43-013-34295	SFW TRIBAL 10-10D-54	14-20-H62-5517
43-013-34296	SFW TRIBAL 9-10D-54	14-20-H62-5517
43-013-31701	SOWERS CANYON 9-27	14-20-H62-4753/UTU-76967
43-013-30955	SOWERS CYN UTE TRIBAL 3-26	14-20-H62-3444
43-013-33916	ST TRIBAL 1-15D-54	14-20-H62-4661
43-013-32849	ST TRIBAL 2-15-54	14-20-H62-4661
43-013-34059	ST TRIBAL 3-15D-54	14-20-H62-4661
43-013-32850	ST TRIBAL 4-15-54	14-20-H62-4661
43-013-34060	ST TRIBAL 5-15D-54	14-20-H62-4661
43-013-32848	ST TRIBAL 6-15-54	14-20-H62-4661
43-013-33950	ST TRIBAL 7-15D-54	14-20-H62-4661
43-013-32851	ST TRIBAL 8-15-54	14-20-H62-4661
43-013-33951	ST TRIBAL 9-15D-54	14-20-H62-4661
43-013-50245	STATE TRIBAL 16-10-54	14-20-H62-5517
43-013-32953	STATE TRIBAL 5-18-54	14-20-H62-5035
43-013-32952	STATE TRIBAL 7-18-54	14-20-H62-5035
43-013-30999	T C UTE TRIBAL 9-23X	14-20-H62-3443
43-013-31699	TABBY CANYON 1-21	14-20-H62-4825/UTU-76965
43-013-31700	TABBY CANYON 8-22	14-20-H62-4754/UTU-76966
43-013-30945	TABBY CYN UTE TRIBAL 1-25	14-20-H62-3537
43-013-33121	TAYLOR FEE 13-22-56	FEE
43-013-33140	TAYLOR FEE 7-14-56	FEE
43-013-32738	TAYLOR HERRICK 10-22-56	FEE
43-013-51271	UTE FEE 14-9D-54	FEE
43-013-51272	UTE FEE 15-9D-54	FEE
43-013-33720	UTE FEE 2-13-55	FEE
43-013-51259	UTE FEE 9-9-54	FEE
43-013-33055	UTE TRIBAL 10-12-55	14-20-H62-5056
43-013-33205	UTE TRIBAL 10-14-54	14-20-H62-5033
43-013-32601	UTE TRIBAL 10-14-55	14-20-H62-5016
43-013-32587	UTE TRIBAL 10-15-54	14-20-H62-4661
43-013-32977	UTE TRIBAL 10-15-55	14-20-H62-5017
43-013-33129	UTE TRIBAL 10-16-54	14-20-H62-3413
43-013-32345	UTE TRIBAL 10-16-55	14-20-H62-5024
43-013-33133	UTE TRIBAL 10-17-54	14-20-H62-4731
43-013-33300	UTE TRIBAL 10-18-54	14-20-H62-4919
43-013-32717	UTE TRIBAL 10-19-54	14-20-H62-3528
43-013-32740	UTE TRIBAL 10-20-54	14-20-H62-3529
43-013-32603	UTE TRIBAL 10-21-55	14-20-H62-4825
43-013-32592	UTE TRIBAL 10-22-54	14-20-H62-3415
43-013-33722	UTE TRIBAL 10-22D-55	14-20-H62-4754
43-013-33358	UTE TRIBAL 10-23D-55	14-20-H62-3443
43-013-32932	UTE TRIBAL 10-24-54	14-20-H62-4716
43-013-33156	UTE TRIBAL 10-24D-55	14-20-H62-4749
43-013-32749	UTE TRIBAL 10-25-55	14-20-H62-3537
43-013-33620	UTE TRIBAL 10-26D-54	14-20-H62-4954
43-013-33360	UTE TRIBAL 10-26D-55	14-20-H62-3444
43-013-33683	UTE TRIBAL 10-27D-55	14-20-H62-4753
43-013-32764	UTE TRIBAL 10-28-54	14-20-H62-4740

43-013-32419	UTE TRIBAL 10-28-55	14-20-H62-5019
43-013-33155	UTE TRIBAL 10-29-54	14-20-H62-5036
43-013-33157	UTE TRIBAL 10-29D-55	14-20-H62-5020
43-013-32847	UTE TRIBAL 10-31-54	14-20-H62-4946
43-013-32936	UTE TRIBAL 10-31-55	14-20-H62-5060
43-013-33902	UTE TRIBAL 10-32-54	14-20-H62-4947
43-013-33092	UTE TRIBAL 10-33-54	14-20-H62-4948
43-013-32353	UTE TRIBAL 10-35-55	14-20-H62-4945
43-013-33968	UTE TRIBAL 10-36D-55	14-20-H62-4944
43-013-50854	UTE TRIBAL 10S-21D-54	14-20-H62-3141
43-013-32721	UTE TRIBAL 11-12-55	14-20-H62-5518
43-013-32568	UTE TRIBAL 11-13-54	14-20-H62-4894
43-013-33268	UTE TRIBAL 11-13-55	14-20-H62-4845
43-013-32693	UTE TRIBAL 11-14-55	14-20-H62-5016
43-013-33206	UTE TRIBAL 11-15-54	14-20-H62-4661
43-013-32980	UTE TRIBAL 11-15-55	14-20-H62-5017
43-013-32589	UTE TRIBAL 11-16-54	14-20-H62-3413
43-013-32145	UTE TRIBAL 11-17	14-20-H62-4731
43-013-31547	UTE TRIBAL 11-19	14-20-H62-3528
43-013-32168	UTE TRIBAL 11-20	14-20-H62-3529
43-013-32415	UTE TRIBAL 11-20-55	14-20-H62-5018
43-013-33115	UTE TRIBAL 11-21-54	14-20-H62-3414
43-013-33116	UTE TRIBAL 11-22-54	14-20-H62-3415
43-013-32607	UTE TRIBAL 11-22-55	14-20-H62-4754
43-013-32269	UTE TRIBAL 11-23-55	14-20-H62-3443
43-013-31909	UTE TRIBAL 11-24	14-20-H62-4749
43-013-31911	UTE TRIBAL 11-25	14-20-H62-3537
43-013-32856	UTE TRIBAL 11-25-54	14-20-H62-3440
43-013-32990	UTE TRIBAL 11-25-56	14-20-H62-5065
43-013-32844	UTE TRIBAL 11-26-54	14-20-H62-4954
43-013-33478	UTE TRIBAL 11-26D-55	14-20-H62-3444
43-013-32615	UTE TRIBAL 11-27-55	14-20-H62-4753
43-013-32192	UTE TRIBAL 11-28	14-20-H62-4740
43-013-34057	UTE TRIBAL 11-28-55	14-20-H62-5019
43-013-32563	UTE TRIBAL 11-29-54	14-20-H62-5032
43-013-32512	UTE TRIBAL 11-30-54	14-20-H62-4662
43-013-32530	UTE TRIBAL 11-31-54	14-20-H62-4946
43-013-33793	UTE TRIBAL 11-32D-54	14-20-H62-4947
43-013-32522	UTE TRIBAL 11-33-54	14-20-H62-4948
43-013-33783	UTE TRIBAL 11-35-55	14-20-H62-5053
43-013-33214	UTE TRIBAL 11-36D-55	14-20-H62-4944
43-013-33769	UTE TRIBAL 1-14D-54	14-20-H62-5033
43-013-33279	UTE TRIBAL 1-14D-55	14-20-H62-5016
43-013-32664	UTE TRIBAL 11-5-54	14-20-H62-5516
43-013-32978	UTE TRIBAL 1-15-55	14-20-H62-5017
43-013-33128	UTE TRIBAL 1-16-54	14-20-H62-3413
43-013-30966	UTE TRIBAL 1-20	14-20-H62-3529
43-013-32414	UTE TRIBAL 1-20-55	14-20-H62-5018
43-013-32369	UTE TRIBAL 12-14-54	14-20-H62-5033

43-013-50476	UTE TRIBAL 12-14D-55	14-20-H62-4661
43-013-32205	UTE TRIBAL 12-15	14-20-H62-5017
43-013-32981	UTE TRIBAL 12-15-55	14-20-H62-3413
43-013-33131	UTE TRIBAL 12-16-54	14-20-H62-4919
43-013-32146	UTE TRIBAL 12-17	14-20-H62-5035
43-013-33077	UTE TRIBAL 12-18-54	14-20-H62-3528
43-013-32716	UTE TRIBAL 12-19-54	14-20-H62-3529
43-013-32866	UTE TRIBAL 12-20-54	14-20-H62-3414
43-013-32385	UTE TRIBAL 12-21-54	14-20-H62-4825
43-013-33694	UTE TRIBAL 12-21D-55	14-20-H62-4754
43-013-32616	UTE TRIBAL 12-22-55	14-20-H62-3443
43-013-33908	UTE TRIBAL 12-23D-55	14-20-H62-4749
43-013-33134	UTE TRIBAL 12-24D-55	14-20-H62-4749
43-013-32769	UTE TRIBAL 12-25-55	14-20-H62-3537
43-013-33801	UTE TRIBAL 12-26D-54	14-20-H62-3444
43-013-34118	UTE TRIBAL 12-26D-55	14-20-H62-4740
43-013-32765	UTE TRIBAL 12-28-54	14-20-H62-5019
43-013-33645	UTE TRIBAL 12-28D-55	14-20-H62-5036
43-013-32572	UTE TRIBAL 12-29-54	14-20-H62-5020
43-013-33418	UTE TRIBAL 12-29D-55	14-20-H62-5020
43-013-33215	UTE TRIBAL 1-22D-54	14-20-H62-3415
43-013-33626	UTE TRIBAL 1-22D-55	14-20-H62-4754
43-013-33907	UTE TRIBAL 12-31D-54	14-20-H62-4946
43-013-32925	UTE TRIBAL 12-32-54	14-20-H62-4947
43-013-33266	UTE TRIBAL 12-32-55	14-20-H62-5026
43-013-33090	UTE TRIBAL 12-33-54	14-20-562-4948
43-013-32524	UTE TRIBAL 1-23-55	14-20-H62-3443
43-013-33782	UTE TRIBAL 12-35D-55	14-20-H62-4945
43-013-32354	UTE TRIBAL 12-36-55	14-20-H62-4944
43-013-32259	UTE TRIBAL 1-24-55	14-20-H62-4749
43-013-31912	UTE TRIBAL 1-26	14-20-H62-3444
43-013-33680	UTE TRIBAL 1-26D-54	14-20-H62-4943
43-013-32416	UTE TRIBAL 1-27-55	14-20-H62-4753
43-013-31549	UTE TRIBAL 1-28	14-20-H62-4740
43-013-33784	UTE TRIBAL 1-28D-55	14-20-H62-5019
43-013-33184	UTE TRIBAL 12Q-25-55	14-20-H62-3537
43-013-32599	UTE TRIBAL 13-13-55	14-20-H62-4845
43-013-33364	UTE TRIBAL 13-14-54	14-20-H62-5033
43-013-32600	UTE TRIBAL 13-14-55	14-20-H62-5016
43-013-32526	UTE TRIBAL 1-31-54	14-20-H62-4946
43-013-32602	UTE TRIBAL 13-15-55	14-20-H62-5017
43-013-33039	UTE TRIBAL 13-15D-54	14-20-H662-4661
43-013-32511	UTE TRIBAL 13-16-54	14-20-H62-3413
43-013-31546	UTE TRIBAL 13-17	14-20-H62-4919
43-013-32571	UTE TRIBAL 13-18-54	14-20-H62-5032
43-013-31284	UTE TRIBAL 13-19	14-20-H62-3528
43-013-32206	UTE TRIBAL 13-20	14-20-H62-3529
43-013-32841	UTE TRIBAL 13-20-55	14-20-H62-5018
43-013-33113	UTE TRIBAL 13-21-54	14-20-H62-3414

43-013-31548	UTE TRIBAL 13-22	14-20-H62-3415
43-013-33716	UTE TRIBAL 13-22D-55	14-20-H62-4754
43-013-32513	UTE TRIBAL 13-23-55	14-20-H62-3443
43-013-31910	UTE TRIBAL 13-24	14-20-H62-4749
43-013-32169	UTE TRIBAL 13-25	14-20-H62-3537
43-013-32891	UTE TRIBAL 13-26-54	14-20-H62-4954
43-013-34002	UTE TRIBAL 13-26D-55	14-20-H62-3444
43-013-32387	UTE TRIBAL 13-28-54	14-20-H62-4740
43-013-33646	UTE TRIBAL 13-28D-55	14-20-H62-5019
43-013-32564	UTE TRIBAL 13-29-54	14-20-H62-5032
43-013-33501	UTE TRIBAL 1-31-55	14-20-H62-5060
43-013-30872	UTE TRIBAL 1-32R	14-20-H62-4947
43-013-32185	UTE TRIBAL 1-33	14-20-H62-4948
43-013-32409	UTE TRIBAL 13-30-54	14-20-H62-4662
43-013-32688	UTE TRIBAL 13-31-54	14-20-H62-4946
43-013-32692	UTE TRIBAL 13-32-54	14-20-H62-4947
43-013-32742	UTE TRIBAL 13-33-54	14-20-H62-4948
43-013-32806	UTE TRIBAL 13-35-54	14-20-H62-5053
43-013-34117	UTE TRIBAL 13-35D-55	14-20-H62-4945
43-013-33624	UTE TRIBAL 13-36D-55	14-20-H62-4944
43-013-32186	UTE TRIBAL 1-34	14-20-H62-4955
43-013-50408	UTE TRIBAL 1-34D-55	14-20-H62-5028
43-013-32567	UTE TRIBAL 1-35-54	14-20-H62-5032
43-013-33967	UTE TRIBAL 1-35D-55	14-20-H62-4945
43-013-32760	UTE TRIBAL 1-36-55	14-20-H62-4944
43-013-33380	UTE TRIBAL 13H-16-55	14-20-H62-5024
43-013-33112	UTE TRIBAL 14-14-54	14-20-H62-5033
43-013-32979	UTE TRIBAL 14-15-55	14-20-H62-5017
43-013-33123	UTE TRIBAL 14-16-54	14-20-H62-3413
43-013-32147	UTE TRIBAL 14-17	14-20-H62-4919
43-013-32984	UTE TRIBAL 14-18-55	14-20-H62-5057
43-013-32690	UTE TRIBAL 14-19-54	14-20-H62-3528
43-013-32702	UTE TRIBAL 14-20-54	14-20-H62-3529
43-013-32384	UTE TRIBAL 14-21-54	14-20-H62-3414
43-013-32593	UTE TRIBAL 14-22-54	14-20-H62-3415
43-013-33717	UTE TRIBAL 14-22D-55	14-20-H62-4754
43-013-33915	UTE TRIBAL 14-23D-55	14-20-H62-3443
43-013-33912	UTE TRIBAL 14-24D-55	14-20-H62-4749
43-013-32988	UTE TRIBAL 14-24-56	14-20-H62-5064
43-013-33912	UTE TRIBAL 14-24D-55	14-20-H62-4749
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43-013-32750	UTE TRIBAL 14-25-55	14-20-H62-3537
43-013-33673	UTE TRIBAL 14-26D-54	14-20-H62-4954
43-013-33361	UTE TRIBAL 14-26D-55	14-20-H62-3444
43-013-33684	UTE TRIBAL 14-27D-55	14-20-H62-4753
43-013-32348	UTE TRIBAL 14-28-55	14-20-H62-5019
43-013-33278	UTE TRIBAL 14-28D-54	14-20-H62-5036
43-013-33042	UTE TRIBAL 14-31D-54	14-20-H62-4946
43-013-32523	UTE TRIBAL 14-32-54	14-20-H62-4947

43-013-33093	UTE TRIBAL 14-33-54	14-20-H62-4949
43-013-33955	UTE TRIBAL 14-35D-55	14-20-H62-4945
43-013-32355	UTE TRIBAL 14-36-55	14-20-H62-4944
43-013-33277	UTE TRIBAL 14Q-28-54	14-20-H62-4740
43-013-33479	UTE TRIBAL 14Q-30-54	14-20-H62-4662
43-013-33212	UTE TRIBAL 15-13D-55	14-20-H62-4845
43-013-32971	UTE TRIBAL 15-15-54	14-20-H62-4661
43-013-32855	UTE TRIBAL 15-15-55	14-20-H62-5017
43-013-31648	UTE TRIBAL 15-16	14-20-H62-3413
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43-013-32358	UTE TRIBAL 15-17-55	14-20-H62-5025
43-013-32148	UTE TRIBAL 15-18	14-20-H62-4919
43-013-31832	UTE TRIBAL 15-19	14-20-H62-3528
43-013-32386	UTE TRIBAL 15-20-54	14-20-H62-3529
43-013-33357	UTE TRIBAL 15-21-55	14-20-H62-3414
43-013-32617	UTE TRIBAL 15-22-55	14-20-H62-4754
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43-013-31671	UTE TRIBAL 15-23	14-20-H62-3443
43-013-31129	UTE TRIBAL 15-24R	14-20-H62-4749
43-013-32271	UTE TRIBAL 15-25-55	14-20-H62-3537
43-013-33768	UTE TRIBAL 15-26D-54	14-20-H62-4954
43-013-33362	UTE TRIBAL 15-26D-55	14-20-H62-3444
43-013-32339	UTE TRIBAL 15-27-55	14-20-H62-4753
43-013-32389	UTE TRIBAL 15-28-54	14-20-H62-4740
43-013-32561	UTE TRIBAL 15-29-54	14-20-H62-5036
43-013-32382	UTE TRIBAL 15-30-54	14-20-H62-4662
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43-013-32804	UTE TRIBAL 15-35-54	14-20-H62-5053
43-013-33954	UTE TRIBAL 15-35D-55	14-20-H62-4945
43-013-33049	UTE TRIBAL 15-36-55	14-20-H62-4944
43-013-33327	UTE TRIBAL 16-13D-55	14-20-H62-4845
43-013-32272	UTE TRIBAL 16-14-55	14-20-H62-5016
43-013-32588	UTE TRIBAL 16-15-54	14-20-H62-4661
43-013-32757	UTE TRIBAL 16-16-55	14-20-H62-5024
43-013-33132	UTE TRIBAL 16-17-54	14-20-H62-4731
43-013-31650	UTE TRIBAL 16-18	14-20-H62-4919
43-013-32691	UTE TRIBAL 16-19-54	14-20-H62-3528
43-013-32739	UTE TRIBAL 16-20-54	14-20-H62-3529
43-013-32381	UTE TRIBAL 16-21-54	14-20-H62-3414
43-013-32842	UTE TRIBAL 16-22-54	14-20-H62-3415
43-013-33267	UTE TRIBAL 16-22D-55	14-20-H62-4754
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43-013-32672	UTE TRIBAL 16-24-55	14-20-H62-3440
43-013-32759	UTE TRIBAL 16-25-55	14-20-H62-3537
43-013-34042	UTE TRIBAL 16-26-54	14-20-H62-4954
43-013-33965	UTE TRIBAL 16-26D-55	14-20-H62-3444

43-013-33786	UTE TRIBAL 16-27D-55	14-20-H62-4753
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43-013-32349	UTE TRIBAL 16-29-55	14-20-H62-5020
43-013-32665	UTE TRIBAL 16-3-54	14-20-H62-4778
43-013-32718	UTE TRIBAL 16-30-54	14-20-H62-4662
43-013-33326	UTE TRIBAL 16-31D-54	14-20-H62-4946
43-013-32926	UTE TRIBAL 16-32D-54	14-20-H62-4947
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43-013-32356	UTE TRIBAL 16-36-55	14-20-H62-4944
43-013-33393	UTE TRIBAL 1A-29-54	14-20-H62-5036
43-013-33186	UTE TRIBAL 1I-36-55	14-20-H62-4944
43-013-33111	UTE TRIBAL 2-14-54	14-20-H962-5033
43-013-32140	UTE TRIBAL 2-19	14-20-H62-4919
43-013-32974	UTE TRIBAL 2-20-54	14-20-H62-3529
43-013-33117	UTE TRIBAL 2-21-55	14-20-H62-4825
43-013-32591	UTE TRIBAL 2-22-54	14-20-H62-3415
43-013-32604	UTE TRIBAL 2-22-55	14-20-H62-4754
43-013-33045	UTE TRIBAL 2-23-55	14-20-H62-3443
43-013-32569	UTE TRIBAL 2-24-54	14-20-H62-4716
43-013-31833	UTE TRIBAL 2-25	14-20-H62-3537
43-013-32868	UTE TRIBAL 2-26-54	14-20-H62-4954
43-013-33979	UTE TRIBAL 2-26D-55	14-20-H62-3444
43-013-32179	UTE TRIBAL 2-27	14-20-H62-3375
43-013-33628	UTE TRIBAL 2-27D-55	14-20-H62-4753
43-013-32763	UTE TRIBAL 2-28-54	14-20-H62-4740
43-013-33714	UTE TRIBAL 2-29D-55	14-20-H62-5036
43-013-32680	UTE TRIBAL 2-30-55	14-20-H62-5059
43-013-32894	UTE TRIBAL 2-30D-54	14-20-H62-4662
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43-013-32803	UTE TRIBAL 2-32-54	14-20-H62-4947
43-013-32350	UTE TRIBAL 2-32-55	14-20-H62-5026
43-013-32898	UTE TRIBAL 2-33D-54	14-20-H62-4948
43-013-32187	UTE TRIBAL 2-35	14-20-H62-4945
43-013-32422	UTE TRIBAL 2-36-55	14-20-H62-4944
43-013-32663	UTE TRIBAL 3-10-54	14-20-H62-5517
43-013-50478	UTE TRIBAL 3-14-55	14-20-H62-5016
43-013-50389	UTE TRIBAL 3-14D-54	14-20-H62-5033
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43-013-32758	UTE TRIBAL 3-21-55	14-20-H62-4825
43-013-33208	UTE TRIBAL 3-22-54	14-20-H62-3415
43-013-32605	UTE TRIBAL 3-22-55	14-20-H62-4754
43-013-32536	UTE TRIBAL 3-23-55	14-20-H62-3443
43-013-30960	UTE TRIBAL 3-24R-55 (REENTRY)	14-20-H62-4749
43-013-31834	UTE TRIBAL 3-25	14-20-H62-3537

43-013-32993	UTE TRIBAL 3-25-56	14-20-H62-5065
43-013-33681	UTE TRIBAL 3-26D-54	14-20-H62-4954
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43-013-32527	UTE TRIBAL 3-31-54	14-20-H62-4946
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43-013-33363	UTE TRIBAL 3-32D-55	14-20-H62-5206
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43-013-33888	UTE TRIBAL 3-35D-55	14-20-H62-4945
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43-013-33185	UTE TRIBAL 3G-31-54	14-20-H62-4946
43-013-33270	UTE TRIBAL 4-14D-54	14-20-H62-5033
43-013-32972	UTE TRIBAL 4-19-54	14-20-H62-3528
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43-013-33595	UTE TRIBAL 4-26D-54	14-20-H62-4954
43-013-33978	UTE TRIBAL 4-26D-55	14-20-H62-3444
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43-013-33118	UTE TRIBAL 4-28-55	14-20-H62-5019
43-013-32565	UTE TRIBAL 4-29-54	14-20-H62-5036
43-013-31550	UTE TRIBAL 4-30	14-20-H62-4662
43-013-32767	UTE TRIBAL 4-31-54	14-20-H62-4946
43-013-32896	UTE TRIBAL 4-32-54	14-20-H62-4947
43-013-33379	UTE TRIBAL 4-32-55	14-20-H62-5026
43-013-32871	UTE TRIBAL 4-33-54	14-20-H62-4948
43-013-32357	UTE TRIBAL 4-33-55	14-20-H62-5027
43-013-32188	UTE TRIBAL 4-36	14-20-H62-4944
43-013-31152	UTE TRIBAL 5-13	14-20-H62-4845
43-013-33075	UTE TRIBAL 5-13-54	14-20-H62-4894
43-013-33619	UTE TRIBAL 5-14-54	14-20-H62-5033
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43-013-32204	UTE TRIBAL 5-19	14-20-H62-3528
43-013-31651	UTE TRIBAL 5-20	14-20-H62-4919
43-013-33324	UTE TRIBAL 5-21-54	14-20-H62-3414
43-013-33706	UTE TRIBAL 5-21D-55	14-20-H62-4825
43-013-32624	UTE TRIBAL 5-22-54	14-20-H62-3415

43-013-32537	UTE TRIBAL 5-23-55	14-20-H62-3443
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43-013-32992	UTE TRIBAL 5-25-56	14-20-H62-5065
43-013-33421	UTE TRIBAL 5-25D-55	14-20-H62-3537
43-013-32890	UTE TRIBAL 5-26-54	14-20-H62-4954
43-013-32264	UTE TRIBAL 5-26-55	14-20-H62-3444
43-013-32614	UTE TRIBAL 5-27-55	14-20-H62-4753
43-013-32189	UTE TRIBAL 5-28	14-20-H62-4740
43-013-32525	UTE TRIBAL 5-29-54	14-20-H62-5032
43-013-32380	UTE TRIBAL 5-30-54	14-20-H62-4662
43-013-32190	UTE TRIBAL 5-31	14-20-H62-4946
43-013-32539	UTE TRIBAL 5-32-54	14-20-H62-4947
43-013-32521	UTE TRIBAL 5-33-54	14-20-H62-4948
43-013-32805	UTE TRIBAL 5-35-54	14-20-H62-5053
43-013-32930	UTE TRIBAL 5-36-55	14-20-H62-4944
43-013-32586	UTE TRIBAL 6-14-54	14-20-H62-5033
43-013-50246	UTE TRIBAL 6-14D-55	14-20-H62-5016
43-013-32865	UTE TRIBAL 6-19-54	14-20-H62-3528
43-013-32622	UTE TRIBAL 6-20-54	14-20-H62-4919
43-013-32164	UTE TRIBAL 6-21	14-20-H62-3414
43-013-32163	UTE TRIBAL 6-22	14-20-H62-3415
43-013-33213	UTE TRIBAL 6-22D-55	14-20-H62-4728
43-013-33187	UTE TRIBAL 6-23D-55	14-20-H62-3443
43-013-32570	UTE TRIBAL 6-24-54	14-20-H62-4716
43-013-32143	UTE TRIBAL 6-25H	14-20-H62-3537
43-013-33625	UTE TRIBAL 6-26D-54	14-20-H62-4954
43-013-33476	UTE TRIBAL 6-26D-55	14-20-H62-3444
43-013-32892	UTE TRIBAL 6-28D-54	14-20-H62-4740
43-013-33172	UTE TRIBAL 6-29-54	14-20-H62-5036
43-013-33120	UTE TRIBAL 6-29-55	14-20-H62-5020
43-013-32783	UTE TRIBAL 6-30-55	14-20-H62-5059
43-013-33325	UTE TRIBAL 6-31D-54	14-20-H62-4946
43-013-32420	UTE TRIBAL 6-32-55	14-20-H62-5026
43-013-32897	UTE TRIBAL 6-32D-54	14-20-H62-4947
43-013-32872	UTE TRIBAL 6-33-54	14-20-H62-4948
43-013-34028	UTE TRIBAL 6-35D-55	14-20-H62-4945
43-013-32265	UTE TRIBAL 6-36-55	14-20-H62-4944
43-013-50409	UTE TRIBAL 7-14-54	14-20-H62-5033
43-013-33269	UTE TRIBAL 7-14-55	14-20-H62-5016
43-013-32976	UTE TRIBAL 7-15-55	14-20-H62-5017
43-013-33130	UTE TRIBAL 7-16-54	14-20-H62-3413
43-013-32863	UTE TRIBAL 7-19-55	14-20-H62-5058
43-013-32346	UTE TRIBAL 7-20-55	14-20-H62-5018
43-013-31281	UTE TRIBAL 7-20R-54	14-20-H62-3529
43-013-32623	UTE TRIBAL 7-21-54	14-20-H62-3414
43-013-32761	UTE TRIBAL 7-22-54	14-20-H62-3415
43-013-33721	UTE TRIBAL 7-22D-55	14-20-H62-4754
43-013-32514	UTE TRIBAL 7-23-55	14-20-H62-3443
43-013-32991	UTE TRIBAL 7-24-56	14-20-H62-5064

43-013-32991	UTE TRIBAL 7-25-56	14-20-H62-5065
43-013-33621	UTE TRIBAL 7-26D-54	14-20-H62-4954
43-013-33477	UTE TRIBAL 7-26D-55	14-20-H62-3444
43-013-32418	UTE TRIBAL 7-27-55	14-20-H62-4753
43-013-32166	UTE TRIBAL 7-28	14-20-H62-4740
43-013-33788	UTE TRIBAL 7-28D-55	14-20-H62-5019
43-013-32562	UTE TRIBAL 7-29-54	14-20-H62-5036
43-013-33715	UTE TRIBAL 7-29D-55	14-20-H62-5020
43-013-32167	UTE TRIBAL 7-30	14-20-H62-4662
43-013-32528	UTE TRIBAL 7-31-54	14-20-H62-4946
43-013-32411	UTE TRIBAL 7-32-54	14-20-H62-4947
43-013-32413	UTE TRIBAL 7-33-54	14-20-H62-4948
43-013-50510	UTE TRIBAL 7-34-55	14-20-H62-5028
43-013-32774	UTE TRIBAL 7-35-54	14-20-H62-5053
43-013-33048	UTE TRIBAL 7-35-55	14-20-H62-4945
43-013-32929	UTE TRIBAL 7-36-55	14-20-H62-4944
43-013-50852	UTE TRIBAL 7I-21-54	14-20-H62-3414
43-013-50488	UTE TRIBAL 8-10D-54	14-20-H62-5517
43-013-33204	UTE TRIBAL 8-14-54	14-20-H62-5033
43-013-50477	UTE TRIBAL 8-15D-55	14-20-H62-5017
43-013-32840	UTE TRIBAL 8-19-54	14-20-H62-3528
43-013-32864	UTE TRIBAL 8-19-55	14-20-H62-5058
43-013-32973	UTE TRIBAL 8-20-54	14-20-H62-3529
43-013-50435	UTE TRIBAL 8-21D-55	14-20-H62-4825
43-013-32590	UTE TRIBAL 8-22-54	14-20-H62-3415
43-013-33552	UTE TRIBAL 8-23D-55	14-20-H62-3443
43-013-33420	UTE TRIBAL 8-24-55	14-20-H62-4716
43-013-32780	UTE TRIBAL 8-25-54	14-20-H62-3440
43-013-32620	UTE TRIBAL 8-25-55	14-20-H62-3537
43-013-33682	UTE TRIBAL 8-26D-54	14-20-H62-4954
43-013-33859	UTE TRIBAL 8-26D-55	14-20-H62-3444
43-013-34058	UTE TRIBAL 8-27D-55	14-20-H62-4753
43-013-32766	UTE TRIBAL 8-28-54	14-20-H62-4740
43-013-32694	UTE TRIBAL 8-28-55	14-20-H62-5019
43-013-33119	UTE TRIBAL 8-29-55	14-20-H62-5020
43-013-32746	UTE TRIBAL 8-30-54	14-20-H62-4662
43-013-32869	UTE TRIBAL 8-31-54	14-20-H62-4946
43-013-32673	UTE TRIBAL 8-31-55	14-20-H62-5032
43-013-32870	UTE TRIBAL 8-32-54	14-20-H62-4947
43-013-32421	UTE TRIBAL 8-32-55	14-20-H62-5026
43-013-33089	UTE TRIBAL 8-33-54	14-20-H62-4948
43-013-50436	UTE TRIBAL 8-34D-55	14-20-H62-5028
43-013-32267	UTE TRIBAL 8-35-55	14-20-H62-4945
43-013-32423	UTE TRIBAL 8-36-55	14-20-H62-4944
43-013-50853	UTE TRIBAL 8L-21D-54	14-20-H62-3141
43-013-33328	UTE TRIBAL 9-13D-55	14-20-H62-4845
43-013-33796	UTE TRIBAL 9-14D-54	14-20-H62-5033
43-013-32701	UTE TRIBAL 9-15-55	14-20-H62-5017
43-013-33207	UTE TRIBAL 9-16-54	14-20-H62-3413

43-013-32687	UTE TRIBAL 9-17-54	14-20-H62-4731
43-013-32144	UTE TRIBAL 9-18	14-20-H62-4919
43-013-31831	UTE TRIBAL 9-19	14-20-H62-3528
43-013-32379	UTE TRIBAL 9-20-54	14-20-H62-3529
43-013-33675	UTE TRIBAL 9-20D-55	14-20-H62-5018
43-013-33040	UTE TRIBAL 9-21-54	14-20-H62-3414
43-013-32889	UTE TRIBAL 9-22-54	14-20-H62-3415
43-013-32606	UTE TRIBAL 9-22-55	14-20-H62-4754
43-013-32268	UTE TRIBAL 9-24-55	14-20-H62-4749
43-013-32390	UTE TRIBAL 9-25-55	14-20-H62-3537
43-013-32191	UTE TRIBAL 9-26	14-20-H62-4728
43-013-33359	UTE TRIBAL 9-26D-55	14-20-H62-3444
43-013-32388	UTE TRIBAL 9-28-54	14-20-H62-4740
43-013-33787	UTE TRIBAL 9-28D-55	14-20-H62-5019
43-013-32566	UTE TRIBAL 9-29-54	14-20-H62-5036
43-013-32383	UTE TRIBAL 9-30-54	14-20-H62-4662
43-013-32529	UTE TRIBAL 9-31-54	14-20-H62-4946
43-013-33508	UTE TRIBAL 9-31-55	14-20-H62-5060
43-013-32538	UTE TRIBAL 9-32-54	14-20-H62-4947
43-013-32549	UTE TRIBAL 9-33-54	14-20-H62-4948
43-013-32781	UTE TRIBAL 9-35-54	14-20-H62-5053
43-013-33047	UTE TRIBAL 9-35-55	14-20-H62-4945
43-013-33239	UTE TRIBAL 9-36D-55	14-20-H62-4944
43-013-33276	UTE TRIBAL 9S-19-54	14-20-H62-3528
43-013-33245	UTE TRIBAL 9S-25-55	14-20-H62-3537
43-013-50997	Vieira Tribal 4-4-54	14-20-H62-5659
43-013-33122	WILCOX ELIASON 7-15-56	FEE
43-013-33150	WILCOX FEE 1-20-56	FEE
43-013-33151	WILCOX FEE 15-16-56	FEE
43-013-32550	WILLIAMSON TRIBAL 3-34-54	14-20-H62-4955
43-013-32551	WILLIAMSON TRIBAL 5-34-54	14-20-H62-4955
43-013-31311	Z and T UTE TRIBAL 12-22	14-20-H62-3415
43-013-31280	Z and T UTE TRIBAL 2-21	14-20-H62-3414
43-013-31282	Z and T UTE TRIBAL 7-19	14-20-H62-4919
43-013-31310	Z and T UTE TRIBAL 7-25	14-20-H62-3537

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2014

FROM: (Old Operator):

Berry Petroleum Company, LLC N4075
 1999 Broadway Street, Suite 3700
 Denver, CO 80202
 Phone: 1 (303) 999-4400

TO: (New Operator):

Linn Operating, Inc. N4115
 1999 Broadway Street, Suite 3700
 Denver, CO 80202
 Phone: 1 (303) 999-4400

CA No.

Unit:

**Berry Pilot EOR 246-02
 Brundage Canyon**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/13/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/13/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/17/2014
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 9031632-0143
- 5a. (R649-9-2) Waste Management Plan has been received on: N/A
- 5b. Inspections of LA PA state/fee well sites complete on: Yes
- 5c. Reports current for Production/Disposition & Sundries on: 6/17/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA Not Yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/18/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/18/2014
- Bond information entered in RBDMS on: 6/23/2014
- Fee/State wells attached to bond in RBDMS on: 6/23/2014
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 6/18/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: Yes

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: NMB000501
- Indian well(s) covered by Bond Number: NMB000501
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/23/2014

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER:	
2. NAME OF OPERATOR: Linn Operating, Inc.		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1999 Broadway, Ste 3700 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 999-4400	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Notice of Change of Operator from Berry Petroleum Company, LLC to Linn Operating, Inc., effective June 1, 2014. On December 16, 2013, Berry Petroleum Company became an indirect subsidiary of Linn Energy, LLC. As a result, Berry Petroleum Company converted into a limited liability company named, "Berry Petroleum Company, LLC". On March 5, 2014, Berry Petroleum Company, LLC authorized and empowered Linn Operating, Inc. to act as operator on its behalf. I have attached a copy of the original declaration amending the name change along with a copy of the agency agreement and power of attorney for the operator change.

RECEIVED
JUN 18 2014
Div. of Oil, Gas & Mining

NAME (PLEASE PRINT) Beverly Decker	TITLE Sr Engineering Technician
SIGNATURE <i>Beverly Decker</i>	DATE 6/1/2014

(This space for State use only)

APPROVED
JUN 18 2014
DIV. OIL GAS & MINING
BY: *Rachel Medina*

(5/2000) (See instructions on Reverse Side)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Berry Petroleum Company, LLC		8. WELL NAME and NUMBER:
3. ADDRESS OF OPERATOR: 1999 Broadway, Ste 3700 CITY Denver STATE CO ZIP 80202		9. API NUMBER:
PHONE NUMBER: (303) 999-4400		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On December 16th, 2013 Berry Petroleum Company and Linn Energy merged. As a result of this merger the companies name has changed to "Berry Petroleum Company, LLC". On March 5th, 2014 Berry Petroleum Company, LLC agreed that Linn Operating, Inc would become the operator of record effective June 1, 2014. I have attached a copy of the original declaration amending the name change along with a copy of the agency agreement and power of attorney for the operator change.

Should you have any questions please don't hesitate to contact me.

RECEIVED
JUN 13 2014
Div. of Oil, Gas & Mining

NAME (PLEASE PRINT) <u>Beverly Decker</u>	TITLE <u>Sr Engineering Technician</u>
SIGNATURE <u><i>Beverly Decker</i></u>	DATE <u>6/1/2014</u>

(This space for State use only)

APPROVED
JUN 18 2014
DIV. OIL GAS & MINING
BY: *Rachel Medina*

(5/2000) (See Instructions on Reverse Side)

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

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	See Attached
API number:	
Location:	Qtr-Qtr: Section Township Range:
Company that filed original application:	Berry Petroleum Company LLC
Date original permit was issued:	
Company that permit was issued to:	Linn Operating, Inc

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		✓
<input type="checkbox"/> If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		✓
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✓
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		✓
Is bonding still in place, which covers this proposed well? Bond No. <u>LPM9149893</u>	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Beverly Decker Title Sr Engineering Technician
 Signature *Beverly Decker* Date _____
 Representing (company name) Berry Petroleum Company LLC and Linn Operating, Inc

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

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

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	See Attached
API number:	
Location:	Qtr-Qtr: Section: Township Range:
Company that filed original application:	Berry Petroleum Company LLC
Date original permit was issued:	
Company that permit was issued to:	Linn Operating, Inc

Check one	Desired Action:
<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>LPM9149893</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Beverly Decker Title Sr Engineering Technician
 Signature *Beverly Decker* Date _____
 Representing (company name) Berry Petroleum Company LLC and Linn Operating, Inc

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

Berry Petroleum Company, LLC (N4075) to Linn Operating, Inc. (N4115)
Effective June 1, 2014

Well Name	Section	TWN	RNG	API Number	Entity	Mineral Lease	Well Type	Well Status	Unit
Z and T UTE TRIBAL 2-21	21	050S	040W	4301331280	11130	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 12-30-54	30	050S	040W	4301332747	14747	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 14-30-54	30	050S	040W	4301332748	14778	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 10-30D-54	30	050S	040W	4301332893	15246	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 6-30-54	30	050S	040W	4301332975	15300	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 1-21-54	21	050S	040W	4301333388	15937	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 13-17D-55	17	050S	050W	4301333550		Indian	OW	APD	
UTE TRIBAL 11-14D-54	14	050S	040W	4301333596		Indian	OW	APD	
UTE TRIBAL 16-17D-55	17	050S	050W	4301333622		Indian	OW	APD	
UTE TRIBAL 15-28D-55	28	050S	050W	4301333623		Indian	OW	APD	
LC TRIBAL 14-16D-56	16	050S	060W	4301334283		Indian	OW	APD	
FEDERAL 10-10D-65	10	060S	050W	4301350523		Federal	OW	APD	
LC TRIBAL 3-23D-56	23	050S	060W	4301350624		Indian	OW	APD	
FEDERAL 2-1D-64	1	060S	040W	4301350765		Federal	OW	APD	
FEDERAL 7-1D-64	1	060S	040W	4301350766		Federal	OW	APD	
FEDERAL 9-1D-64	1	060S	040W	4301350767		Federal	OW	APD	
LC TRIBAL 1-28D-56	28	050S	060W	4301350865		Indian	OW	APD	
LC TRIBAL 13H-9-56	10	050S	060W	4301350874		Indian	OW	APD	
CC FEE 8-24-38	24	030S	080W	4301350885		Fee	OW	APD	
LC TRIBAL 4H-26-56	26	050S	060W	4301350951		Indian	OW	APD	
LC FEE 4H-12-57	12	050S	070W	4301350952		Fee	OW	APD	
CC TRIBAL 4-2-48	2	040S	080W	4301350964		Indian	OW	APD	
LC TRIBAL 5H-34-45	34	040S	050W	4301350974		Indian	OW	APD	
LC TRIBAL 11-34-45	34	040S	050W	4301350975		Indian	OW	APD	
LC TRIBAL 7-2D-56	2	050S	060W	4301350988		Indian	OW	APD	
LC TRIBAL 10-18D-56	18	050S	060W	4301350989		Indian	OW	APD	
CC TRIBAL 4-30D-38	19	030S	080W	4301350993		Indian	OW	APD	
FEDERAL 4-1-65	1	060S	050W	4301351016		Federal	OW	APD	
LC TRIBAL 3-16D-56	16	050S	060W	4301351032		Indian	OW	APD	
CC FEE 6-21-38	21	030S	080W	4301351059		Fee	OW	APD	
LC TRIBAL 13H-28-45	28	040S	050W	4301351061		Indian	OW	APD	
LC TRIBAL 5H-23-45	23	040S	050W	4301351071		Indian	OW	APD	
LC TRIBAL 4H-27-45	27	040S	050W	4301351072		Indian	OW	APD	
LC TRIBAL 16-27-45	27	040S	050W	4301351074		Indian	OW	APD	
LC TRIBAL 12-27-45	27	040S	050W	4301351075		Indian	OW	APD	
LC TRIBAL 16-23-45	23	040S	050W	4301351077		Indian	OW	APD	
LC TRIBAL 12H-30-56	30	050S	060W	4301351133		Indian	OW	APD	
LC TRIBAL 5-29D-56	29	050S	060W	4301351184		Indian	OW	APD	
LC TRIBAL 12H-19-56	19	050S	060W	4301351193		Indian	OW	APD	
LC FEE 15-11D-56	11	050S	060W	4301351197		Fee	OW	APD	
LC TRIBAL 13H-10-56	11	050S	060W	4301351209		Indian	OW	APD	
LC TRIBAL 2-31D-45	31	040S	050W	4301351261		Indian	OW	APD	
LC TRIBAL 13H-24-45	24	040S	050W	4301351273		Indian	OW	APD	
UTE TRIBAL 6-21D-55	21	050S	050W	4301351274		Indian	OW	APD	
UTE TRIBAL 15-16D-55	16	050S	050W	4301351284		Indian	OW	APD	
UTE TRIBAL 4H-15-55	15	050S	050W	4301351292		Indian	OW	APD	
UTE TRIBAL 13H-14-54	14	050S	040W	4301351297		Indian	OW	APD	
UTE TRIBAL 1-32-55	32	050S	050W	4301351298		Indian	OW	APD	
UTE TRIBAL 4-21D-55	21	050S	050W	4301351299		Indian	OW	APD	
LC TRIBAL 12-33-45	33	040S	050W	4301351301		Indian	OW	APD	
UTE TRIBAL 16-15D-55	15	050S	050W	4301351302		Indian	OW	APD	
UTE TRIBAL 2-24-55	24	050S	050W	4301351304		Indian	OW	APD	
LC TRIBAL 11-32D-56	32	050S	060W	4301351315		Indian	OW	APD	
LC TRIBAL 1-32D-56	32	050S	060W	4301351317		Indian	OW	APD	
LC TRIBAL 5H-32-56	32	050S	060W	4301351318		Indian	OW	APD	
LC TRIBAL 5H-33-45	33	040S	050W	4301351338		Indian	OW	APD	
LC TRIBAL 14-28-45	28	040S	050W	4301351339		Indian	OW	APD	
LC TRIBAL 16-32D-45	32	040S	050W	4301351340		Indian	OW	APD	
LC TRIBAL 3-31-45	31	040S	050W	4301351347		Indian	OW	APD	
LC TRIBAL 1-18D-56	18	050S	060W	4301351367		Indian	OW	APD	
LC TRIBAL 9-18D-56	18	050S	060W	4301351368		Indian	OW	APD	
LC FEE 9-23D-56	23	050S	060W	4301351380		Fee	OW	APD	
LC TRIBAL 1-34D-45	34	040S	050W	4301351382		Indian	OW	APD	
LC TRIBAL 12-21D-56	21	050S	060W	4301351383		Indian	OW	APD	
LC TRIBAL 7-29D-56	29	050S	060W	4301351386		Indian	OW	APD	

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UTE TRIBAL 6-15-55	15	050S	050W	4301351399	Indian	OW	APD
UTE TRIBAL 13H-21-55	21	050S	050W	4301351403	Indian	OW	APD
LC TRIBAL 6-16D-56	16	050S	060W	4301351406	Indian	OW	APD
LC TRIBAL 3-14D-56	14	050S	060W	4301351408	Indian	OW	APD
CC FEE 13-9D-37	9	030S	070W	4301351409	Fee	OW	APD
CC FEE 16-21D-38	21	030S	080W	4301351410	Fee	OW	APD
UTE TRIBAL 5H-10-54	10	050S	040W	4301351415	Indian	OW	APD
LC TRIBAL 13-6D-57	6	050S	070W	4301351417	Indian	OW	APD
LC TRIBAL 9-23-45	23	040S	050W	4301351432	Indian	OW	APD
LC TRIBAL 5-28D-56	29	050S	060W	4301351441	Indian	OW	APD
LC TRIBAL 15-20D-56	29	050S	060W	4301351443	Indian	OW	APD
LC FEE 14-1-56	1	050S	060W	4301351457	Fee	OW	APD
LC TRIBAL 5-3D-56	3	050S	060W	4301351459	Indian	OW	APD
LC Tribal 16-33-45	33	040S	050W	4301351463	Indian	OW	APD
LC TRIBAL 7-23D-56	23	050S	060W	4301351479	Indian	OW	APD
LC TRIBAL 4-7-56	7	050S	060W	4301351482	Indian	OW	APD
LC TRIBAL 3-2-56	2	050S	060W	4301351483	Indian	OW	APD
LC TRIBAL 12H-23-56	23	050S	060W	4301351488	Indian	OW	APD
CC TRIBAL 15-34D-38	2	040S	080W	4301351490	Indian	OW	APD
CC TRIBAL 14-35D-38	2	040S	080W	4301351491	Indian	OW	APD
CC TRIBAL 8-3D-48	2	040S	080W	4301351493	Indian	OW	APD
LC TRIBAL 12HH-31-45	32	040S	050W	4301351499	Indian	OW	APD
LC TRIBAL 1-10D-56	10	050S	060W	4301351510	Indian	OW	APD
LC TRIBAL 3-10D-56	10	050S	060W	4301351511	Indian	OW	APD
LC TRIBAL 7-10D-56	10	050S	060W	4301351512	Indian	OW	APD
LC TRIBAL 9-29D-56	29	050S	060W	4301351513	Indian	OW	APD
UTE TRIBAL 1-16-55	16	050S	050W	4301351519	Indian	OW	APD
CC Tribal 3-27D-38	27	030S	080W	4301351604	Indian	OW	APD
LC FEE 10-36D-56	36	050S	060W	4301351622	Fee	OW	APD
Myrin Fee 3-16D-55	16	050S	050W	4301351633	Fee	OW	APD
LC TRIBAL 12H-34-56	34	050S	060W	4301351634	Indian	OW	APD
UTE FEE 12-16D-55	16	050S	050W	4301351635	Fee	OW	APD
LC TRIBAL 15-27-56	27	050S	060W	4301351649	Indian	OW	APD
LC TRIBAL 11-27D-56	27	050S	060W	4301351650	Indian	OW	APD
LC TRIBAL 1-17-56	17	050S	060W	4301351704	Indian	OW	APD
LC Tribal 13-11D-58	11	050S	080W	4301351708	Indian	OW	APD
LC Tribal 15-11D-58	11	050S	080W	4301351709	Indian	OW	APD
LC Tribal 4HW-8-56	8	050S	060W	4301351710	Indian	OW	APD
LC FEE 1-11D-56	11	050S	060W	4301351712	Fee	OW	APD
LC TRIBAL 3-11D-56	11	050S	060W	4301351713	Indian	OW	APD
LC TRIBAL 7-11D-56	11	050S	060W	4301351714	Indian	OW	APD
LC TRIBAL 9-34D-45	34	040S	050W	4301351717	Indian	OW	APD
LC Tribal 8M-23-45	23	040S	050W	4301351722	Indian	OW	APD
LC TRIBAL 4-34D-45	34	040S	050W	4301351723	Indian	OW	APD
LC TRIBAL 7-34D-45	34	040S	050W	4301351724	Indian	OW	APD
LC Tribal 3-14D-58	11	050S	080W	4301351726	Indian	OW	APD
LC Tribal 11-11D-58	11	050S	080W	4301351729	Indian	OW	APD
LC TRIBAL 8-31D-56	31	050S	060W	4301351746	Indian	OW	APD
LC TRIBAL 13-34D-45	34	040S	050W	4301351747	Indian	OW	APD
LC Fee 2-6D-57	6	050S	070W	4301351749	Fee	OW	APD
LC Tribal 15-12D-58	12	050S	080W	4301351783	Indian	OW	APD
LC Tribal 9-12D-58	12	050S	080W	4301351784	Indian	OW	APD
LC Tribal 1-13D-58	12	050S	080W	4301351785	Indian	OW	APD
LC Tribal 13-7D-57	12	050S	080W	4301351786	Indian	OW	APD
LC Tribal 9-2D-58	2	050S	080W	4301351788	Indian	OW	APD
LC Tribal 1-2D-58	2	050S	080W	4301351789	Indian	OW	APD
LC Tribal 5-1D-58	2	050S	080W	4301351790	Indian	OW	APD
LC TRIBAL 12-31D-56	31	050S	060W	4301351799	Indian	OW	APD
LC TRIBAL 8-20D-56	20	050S	060W	4301351800	Indian	OW	APD
LC TRIBAL 6-31D-56	31	050S	060W	4301351801	Indian	OW	APD
LC Tribal 11-7D-57	7	050S	070W	4301351814	Indian	OW	APD
LC Tribal 5-7D-57	7	050S	070W	4301351815	Indian	OW	APD
LC Fee 15-6D-57	6	050S	070W	4301351816	Fee	OW	APD
LC Tribal 11-6D-57	6	050S	070W	4301351817	Indian	OW	APD
LC TRIBAL 9-27-56	27	050S	060W	4301351822	Indian	OW	APD
LC TRIBAL 7-27D-56	27	050S	060W	4301351823	Indian	OW	APD

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LC Fee 7-31D-45	31	040S	050W	4301351857	Fee	OW	APD
LC Tribal 5-31D-45	31	040S	050W	4301351858	Indian	OW	APD
LC Tribal 8-33-45	33	040S	050W	4301351859	Indian	OW	APD
LC Tribal 16-31-45	31	040S	050W	4301351863	Indian	OW	APD
LC Tribal 7-23D-45	23	040S	050W	4301351865	Indian	OW	APD
LC Tribal 1-23D-56	23	050S	060W	4301351866	Indian	OW	APD
LC TRIBAL 1-19-56	19	050S	060W	4301351867	Indian	OW	APD
LC TRIBAL 7-19D-56	19	050S	060W	4301351868	Indian	OW	APD
LC TRIBAL 9-4D-56	4	050S	060W	4301351869	Indian	OW	APD
LC Tribal 14-32D-45	32	040S	050W	4301351879	Indian	OW	APD
LC TRIBAL 7-17D-56	17	050S	060W	4301351886	Indian	OW	APD
LC TRIBAL 5-17D-56	17	050S	060W	4301351887	Indian	OW	APD
LC FEE 4-32D-45	31	040S	050W	4301351892	Fee	OW	APD
LC TRIBAL 9-2D-56	2	050S	060W	4301351893	Indian	OW	APD
LC TRIBAL 1-2D-56	2	050S	060W	4301351894	Indian	OW	APD
LC Tribal 15-23D-45	23	040S	050W	4301351895	Indian	OW	APD
LC TRIBAL 11-34D-56	34	050S	060W	4301351900	Indian	OW	APD
LC TRIBAL 9-5D-56	4	050S	060W	4301351901	Indian	OW	APD
LC Tribal 10-28D-45	28	040S	050W	4301351903	Indian	OW	APD
LC TRIBAL 13-20D-56	20	050S	060W	4301351904	Indian	OW	APD
Ute Tribal 14-17-55	17	050S	050W	4301351908	Indian	OW	APD
LC Tribal 3-27D-45	27	040S	050W	4301351911	Indian	OW	APD
LC TRIBAL 9-34D-56	34	050S	060W	4301351914	Indian	OW	APD
CC Fee 8R-9-37	9	030S	070W	4301351937	Fee	OW	APD
LC Tribal 10-33D-45	33	040S	050W	4301351939	Indian	OW	APD
LC Tribal 14-33D-45	33	040S	050W	4301351940	Indian	OW	APD
LC Tribal 10-27D-45	27	040S	050W	4301351941	Indian	OW	APD
LC Tribal 14-27D-45	27	040S	050W	4301351951	Indian	OW	APD
LC Tribal 6-33D-45	33	040S	050W	4301351955	Indian	OW	APD
LC Tribal 6-32D-45	32	040S	050W	4301351956	Indian	OW	APD
Federal 3-11D-65	11	060S	050W	4301351982	Federal	OW	APD
Federal 2-4-64	4	060S	040W	4301351983	Federal	OW	APD
Federal 5-11D-65	11	060S	050W	4301351984	Federal	OW	APD
Federal 7-4D-64	4	060S	040W	4301351985	Federal	OW	APD
Federal 3-4D-64	4	060S	040W	4301351986	Federal	OW	APD
Federal 8-4D-64	4	060S	040W	4301351988	Federal	OW	APD
Federal 6-4D-64	4	060S	040W	4301351989	Federal	OW	APD
Federal 7-9D-64	9	060S	040W	4301351990	Federal	OW	APD
Federal 4-4D-64	4	060S	040W	4301351991	Federal	OW	APD
Federal 9-4D-64	4	060S	040W	4301352004	Federal	OW	APD
Federal 10-4D-64	4	060S	040W	4301352011	Federal	OW	APD
Federal 3-9D-64	9	060S	040W	4301352015	Federal	OW	APD
Federal 1-9D-64	9	060S	040W	4301352020	Federal	OW	APD
Federal 6-9-64	9	060S	040W	4301352021	Federal	OW	APD
Federal 8-9D-64	9	060S	040W	4301352023	Federal	OW	APD
Federal 1-4D-64	4	060S	040W	4301352025	Federal	OW	APD
Federal 16-4D-64	4	060S	040W	4301352026	Federal	OW	APD
LC Tribal 10-23D-45	23	040S	050W	4301352029	Indian	OW	APD
Federal 15-4D-64	4	060S	040W	4301352032	Federal	OW	APD
Federal 5-9D-64	9	060S	040W	4301352035	Federal	OW	APD
Federal 9-9D-64	9	060S	040W	4301352036	Federal	OW	APD
Federal 11-9D-64	9	060S	040W	4301352037	Federal	OW	APD
Federal 12-9D-64	9	060S	040W	4301352038	Federal	OW	APD
Federal 13-9D-64	9	060S	040W	4301352039	Federal	OW	APD
FEDERAL 14-9D-64	9	060S	040W	4301352040	Federal	OW	APD
Federal 10-9D-64	9	060S	040W	4301352041	Federal	OW	APD
Federal 2-9D-64	9	060S	040W	4301352042	Federal	OW	APD
Federal 15-9D-64	9	060S	040W	4301352043	Federal	OW	APD
Federal 16-9D-64	9	060S	040W	4301352044	Federal	OW	APD
LC Tribal 10-32D-45	32	040S	050W	4301352065	Indian	OW	APD
LC Tribal 16-28D-45	28	040S	050W	4301352073	Indian	OW	APD
LC Tribal 15-24D-45	24	040S	050W	4301352074	Indian	OW	APD
LC Tribal 13-17D-56	17	050S	060W	4301352076	Indian	OW	APD
LC Tribal 15-17D-56	17	050S	060W	4301352077	Indian	OW	APD
LC Tribal 5-26D-56	26	050S	060W	4301352097	Indian	OW	APD
LC Tribal 11-26D-56	26	050S	060W	4301352098	Indian	OW	APD

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LC Tribal 13-26D-56	26	050S	060W	4301352099	Indian	OW	APD	
LC Tribal 2-27D-45	27	040S	050W	4301352100	Indian	OW	APD	
LC Tribal 8-27D-45	27	040S	050W	4301352101	Indian	OW	APD	
LC Tribal 4-9D-56	9	050S	060W	4301352102	Indian	OW	APD	
LC Tribal 8-32D-45	32	040S	050W	4301352135	Indian	OW	APD	
UTE Tribal 15-24D-54	24	050S	040W	4301352156	Indian	GW	APD	
UTE Tribal 9-24D-54	24	050S	040W	4301352157	Indian	GW	APD	
UTE Tribal 1-25D-54	25	050S	040W	4301352173	Indian	GW	APD	
UTE Tribal 9-25D-54	25	050S	040W	4301352177	Indian	GW	APD	
Myrin Tribal 9-10D-55	10	050S	050W	4301352189	Indian	OW	APD	
Myrin Tribal 16-10D-55	10	050S	050W	4301352190	Indian	OW	APD	
Myrin Tribal 10-10D-55	10	050S	050W	4301352191	Indian	OW	APD	
UTE Tribal 1-24D-54	24	050S	040W	4301352304	Indian	GW	APD	
UTE Tribal 7-24D-54	24	050S	040W	4301352306	Indian	GW	APD	
UTE Tribal 12-25D-54	25	050S	040W	4301352308	Indian	GW	APD	
UTE Tribal 4-13D-54	13	050S	040W	4301352321	Indian	GW	APD	
UTE Tribal 13-25D-54	25	050S	040W	4301352322	Indian	GW	APD	
Abbott Fee 1-6D-54	6	050S	040W	4301352324	Fee	OW	APD	
Abbott Fee 7-6D-54	6	050S	040W	4301352327	Fee	OW	APD	
UTE Tribal 3-24D-54	24	050S	040W	4301352347	Indian	GW	APD	
UTE Tribal 5-24D-54	24	050S	040W	4301352348	Indian	GW	APD	
State Tribal 7-12D-55	12	050S	050W	4301352369	Indian	OW	APD	
State Tribal 14-1D-55	1	050S	050W	4301352372	Indian	OW	APD	
State Tribal 11-1D-55	1	050S	050W	4301352373	Indian	OW	APD	
State Tribal 13-1D-55	1	050S	050W	4301352374	Indian	OW	APD	
State Tribal 12-2D-55	2	050S	050W	4301352391	Indian	OW	APD	
State Tribal 14-2D-55	2	050S	050W	4301352392	Indian	OW	APD	
State Tribal 13-2D-55	2	050S	050W	4301352393	Indian	OW	APD	
State Tribal 14-3D-55	3	050S	050W	4301352430	Indian	OW	APD	
State Tribal 11-3D-55	3	050S	050W	4301352434	Indian	OW	APD	
State Tribal 13-3D-55	3	050S	050W	4301352435	Indian	OW	APD	
UTE TRIBAL 2-5D-55	5	050S	050W	4301352450	Indian	OW	APD	
Ute Tribal 1-5D-55	5	050S	050W	4301352456	Indian	OW	APD	BRUNDAGE CANYON
Ute Tribal 7-5-55	5	050S	050W	4301352459	Indian	OW	APD	
Ute Tribal 3-16D-54	9	050S	040W	4301352467	Indian	OW	APD	
State Tribal 1-3D-55	3	050S	050W	4301352471	Indian	OW	APD	
State Tribal 2-3D-55	3	050S	050W	4301352472	Indian	OW	APD	
State Tribal 7-3D-55	3	050S	050W	4301352473	Indian	OW	APD	
State Tribal 8-3D-55	3	050S	050W	4301352474	Indian	OW	APD	
UTE FEE 10-9D-54	9	050S	040W	4301352475	Fee	OW	APD	
UTE FEE 12-9D-54	9	050S	040W	4301352476	Fee	OW	APD	
UTE FEE 16-9D-54	9	050S	040W	4301352478	Fee	OW	APD	
Ute Tribal 2-16D-54	9	050S	040W	4301352481	Indian	OW	APD	
Federal 14-6D-65	6	060S	050W	4301352495	Federal	OW	APD	
Federal 13-6D-65	6	060S	050W	4301352496	Federal	OW	APD	
Federal 11-6D-65	6	060S	050W	4301352497	Federal	OW	APD	
Federal 10-6D-65	6	060S	050W	4301352498	Federal	OW	APD	
State Tribal 3-3D-55	3	050S	050W	4301352532	Indian	OW	APD	
State Tribal 4-3D-55	3	050S	050W	4301352533	Indian	OW	APD	
State Tribal 5-3D-55	3	050S	050W	4301352535	Indian	OW	APD	
State Tribal 6-3D-55	3	050S	050W	4301352536	Indian	OW	APD	
Federal 2-7D-65	7	060S	050W	4301352537	Federal	OW	APD	
Federal 5-7D-65	7	060S	050W	4301352538	Federal	OW	APD	
Federal 4-7D-65	7	060S	050W	4301352541	Federal	OW	APD	
UTE FEE 11-9D-54	9	050S	040W	4301352544	Fee	OW	APD	
UTE TRIBAL 15-12D-55	12	050S	050W	4301352549	Indian	OW	APD	
UTE TRIBAL 6-5D-55	5	050S	050W	4301352556	Indian	OW	APD	
UTE TRIBAL 5-5D-55	5	050S	050W	4301352557	Indian	OW	APD	
UTE TRIBAL 4-5D-55	5	050S	050W	4301352558	Indian	OW	APD	
UTE TRIBAL 3-5D-55	5	050S	050W	4301352559	Indian	OW	APD	
Federal 3-7-65	7	060S	050W	4301352560	Federal	OW	APD	
Ute Tribal 9-11D-55	11	050S	050W	4301352564	Indian	OW	APD	
UTE TRIBAL 10-11D-55	11	050S	050W	4301352566	Indian	OW	APD	
UTE TRIBAL 15-11D-55	11	050S	050W	4301352567	Indian	OW	APD	
Federal 1-7D-65	6	060S	050W	4301352589	Federal	OW	APD	
Federal 16-6D-65	6	060S	050W	4301352590	Federal	OW	APD	

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Federal 15-6D-65	6	060S	050W	4301352591	Federal	OW	APD
UTE TRIBAL 14-12D-55	12	050S	050W	4301352592	Indian	OW	APD
UTE TRIBAL 13-12D-55	12	050S	050W	4301352593	Indian	OW	APD
UTE TRIBAL 10-11D-54	11	050S	040W	4301352603	Indian	OW	APD
UTE TRIBAL 9-11D-54	11	050S	040W	4301352604	Indian	OW	APD
UTE TRIBAL 15-11-54	11	050S	040W	4301352605	Indian	OW	APD
UTE TRIBAL 16-11D-54	11	050S	040W	4301352606	Indian	OW	APD
UTE TRIBAL 14-11D-55	11	050S	050W	4301352610	Indian	OW	APD
UTE TRIBAL 13-11D-55	11	050S	050W	4301352611	Indian	OW	APD
UTE TRIBAL 12-11D-55	11	050S	050W	4301352612	Indian	OW	APD
UTE TRIBAL 11-11D-55	11	050S	050W	4301352613	Indian	OW	APD
Federal 6-7D-65	7	060S	050W	4301352682	Federal	OW	APD
Federal 11-7D-65	7	060S	050W	4301352683	Federal	OW	APD
Federal 10-7D-65	7	060S	050W	4301352684	Federal	OW	APD
Federal 7-7D-65	7	060S	050W	4301352685	Federal	OW	APD
UTE TRIBAL 14-30D-55	30	050S	050W	4301352687	Indian	OW	APD
UTE TRIBAL 13-30D-55	30	050S	050W	4301352688	Indian	OW	APD
UTE TRIBAL 12-30D-55	30	050S	050W	4301352689	Indian	OW	APD
UTE TRIBAL 11-30D-55	30	050S	050W	4301352690	Indian	OW	APD
UTE TRIBAL 7-17D-55	17	050S	050W	4301352691	Indian	OW	APD
UTE TRIBAL 6-17D-55	17	050S	050W	4301352692	Indian	OW	APD
UTE TRIBAL 3-17D-55	17	050S	050W	4301352693	Indian	OW	APD
UTE TRIBAL 2-17D-55	17	050S	050W	4301352694	Indian	OW	APD
UTE TRIBAL 4-17D-55	17	050S	050W	4301352695	Indian	OW	APD
State Tribal 3-12D-55	12	050S	050W	4301352697	Indian	OW	APD
State Tribal 4-12D-55	12	050S	050W	4301352698	Indian	OW	APD
UTE TRIBAL 12-31D-55	31	050S	050W	4301352699	Indian	OW	APD
UTE TRIBAL 13-31D-55	31	050S	050W	4301352700	Indian	OW	APD
UTE TRIBAL 14-31D-55	31	050S	050W	4301352701	Indian	OW	APD
UTE TRIBAL 14-13D-54	13	050S	040W	4301352702	Indian	OW	APD
UTE TRIBAL 11-31-55	31	050S	050W	4301352703	Indian	OW	APD
State Tribal 3-11D-55	11	050S	050W	4301352704	Indian	OW	APD
State Tribal 4-11D-55	11	050S	050W	4301352705	Indian	OW	APD
State Tribal 5-11D-55	11	050S	050W	4301352706	Indian	OW	APD
State Tribal 6-11D-55	11	050S	050W	4301352707	Indian	OW	APD
State Tribal 8-11D-55	11	050S	050W	4301352708	Indian	OW	APD
State Tribal 7-11D-55	11	050S	050W	4301352709	Indian	OW	APD
State Tribal 2-11D-55	11	050S	050W	4301352710	Indian	OW	APD
State Tribal 1-11D-55	11	050S	050W	4301352711	Indian	OW	APD
UTE TRIBAL 9-4D-55	4	050S	050W	4301352713	Indian	OW	APD
State Tribal 2-10D-55	10	050S	050W	4301352714	Indian	OW	APD
State Tribal 7-10D-55	10	050S	050W	4301352715	Indian	OW	APD
State Tribal 8-10D-55	10	050S	050W	4301352716	Indian	OW	APD
UTE TRIBAL 10-4D-55	4	050S	050W	4301352717	Indian	OW	APD
UTE TRIBAL 15-4D-55	4	050S	050W	4301352718	Indian	OW	APD
State Tribal 1-10D-55	10	050S	050W	4301352720	Indian	OW	APD
UTE TRIBAL 16-4D-55	4	050S	050W	4301352721	Indian	OW	APD
State Tribal 3-10D-55	10	050S	050W	4301352723	Indian	OW	APD
State Tribal 4-10D-55	10	050S	050W	4301352724	Indian	OW	APD
State Tribal 5-10D-55	10	050S	050W	4301352725	Indian	OW	APD
State Tribal 6-10D-55	10	050S	050W	4301352726	Indian	OW	APD
UTE TRIBAL 11-5D-55	5	050S	050W	4301352727	Indian	OW	APD
UTE TRIBAL 12-5D-55	5	050S	050W	4301352728	Indian	OW	APD
UTE TRIBAL 13-5D-55	5	050S	050W	4301352729	Indian	OW	APD
UTE TRIBAL 14-5D-55	5	050S	050W	4301352730	Indian	OW	APD
UTE TRIBAL 9-30D-55	30	050S	050W	4301352731	Indian	OW	APD
State Tribal 15-2D-55	2	050S	050W	4301352732	Indian	OW	APD
State Tribal 16-2D-55	2	050S	050W	4301352733	Indian	OW	APD
State Tribal 10-2D-55	2	050S	050W	4301352734	Indian	OW	APD
State Tribal 9-2D-55	2	050S	050W	4301352735	Indian	OW	APD
UTE TRIBAL 10-30D-55	30	050S	050W	4301352736	Indian	OW	APD
UTE TRIBAL 15-30D-55	30	050S	050W	4301352737	Indian	OW	APD
UTE TRIBAL 16-30D-55	30	050S	050W	4301352738	Indian	OW	APD
Myrin Tribal 9-19D-55	19	050S	050W	4301352739	Indian	OW	APD
State Tribal 16-3D-55	3	050S	050W	4301352740	Indian	OW	APD
State Tribal 15-3D-55	3	050S	050W	4301352741	Indian	OW	APD

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State Tribal 10-3D-55	3	050S	050W	4301352742		Indian	OW	APD	
State Tribal 9-3D-55	3	050S	050W	4301352743		Indian	OW	APD	
Myrin Tribal 15-19D-55	19	050S	050W	4301352744		Indian	OW	APD	
Myrin Tribal 13-19D-55	19	050S	050W	4301352745		Indian	OW	APD	
Myrin Tribal 12-19D-55	19	050S	050W	4301352746		Indian	OW	APD	
UTE TRIBAL 5-4D-55	4	050S	050W	4301352747		Indian	OW	APD	
UTE TRIBAL 4-4D-55	4	050S	050W	4301352748		Indian	OW	APD	
UTE TRIBAL 3-4D-55	4	050S	050W	4301352749		Indian	OW	APD	
UTE TRIBAL 6-4D-55	4	050S	050W	4301352754		Indian	OW	APD	
UTE TRIBAL 3-31D-55	31	050S	050W	4301352757		Indian	OW	APD	
UTE TRIBAL 5-31D-55	31	050S	050W	4301352758		Indian	OW	APD	
UTE TRIBAL 6-31D-55	31	050S	050W	4301352759		Indian	OW	APD	
UTE TRIBAL 7-31D-55	31	050S	050W	4301352764		Indian	OW	APD	
Myrin Tribal 11-19D-55	19	050S	050W	4301352765		Indian	OW	APD	
Federal 8-14D-65	14	060S	050W	4301352767		Federal	OW	APD	
Federal 7-14D-65	14	060S	050W	4301352768		Federal	OW	APD	
Federal 2-14D-65	14	060S	050W	4301352769		Federal	OW	APD	
Federal 1-14D-65	14	060S	050W	4301352770		Federal	OW	APD	
UTE TRIBAL 8-5D-55	5	050S	050W	4301352773		Indian	OW	APD	
UTE TRIBAL 4-31D-55	31	050S	050W	4301352795		Indian	OW	APD	
UTE TRIBAL 4-30D-55	30	050S	050W	4301352796		Indian	OW	APD	
UTE TRIBAL 5-30D-55	30	050S	050W	4301352797		Indian	OW	APD	
UTE TRIBAL 7-30D-55	30	050S	050W	4301352799		Indian	OW	APD	
Federal 1-13D-65	13	060S	050W	4301352800		Federal	OW	APD	
Federal 7-13D-65	13	060S	050W	4301352802		Federal	OW	APD	
UTE TRIBAL 1-30D-55	30	050S	050W	4301352809		Indian	OW	APD	
LC TRIBAL 6-25D-56	25	050S	060W	4301352810		Indian	OW	APD	
LC TRIBAL 4-25D-56	25	050S	060W	4301352812		Indian	OW	APD	
Federal 6-13D-65	13	060S	050W	4301352813		Federal	OW	APD	
Federal 4-13D-65	13	060S	050W	4301352814		Federal	OW	APD	
Federal 3-13D-65	13	060S	050W	4301352815		Federal	OW	APD	
Federal 3-16D-64	16	060S	040W	4301352823		Federal	OW	APD	
Federal 4-16D-64	16	060S	040W	4301352824		Federal	OW	APD	
Federal 5-16D-64	16	060S	040W	4301352825		Federal	OW	APD	
Federal 6-16D-64	16	060S	040W	4301352826		Federal	OW	APD	
Federal 5-13D-65	13	060S	050W	4301352827		Federal	OW	APD	
LC TRIBAL 1-25D-56	25	050S	060W	4301352835		Indian	OW	APD	
LC TRIBAL 2-25D-56	25	050S	060W	4301352836		Indian	OW	APD	
LC TRIBAL 8-25D-56	25	050S	060W	4301352837		Indian	OW	APD	
UTE FEE 1-13D-55	13	050S	050W	4301352838		Fee	OW	APD	
LC TRIBAL 9-25D-56	25	050S	060W	4301352840		Indian	OW	APD	
LC TRIBAL 15-25-56	25	050S	060W	4301352844		Indian	OW	APD	
Federal 9-5D-65	5	060S	050W	4301352846		Federal	OW	APD	
Federal 10-5D-65	5	060S	050W	4301352847		Federal	OW	APD	
LC TRIBAL 16-25D-56	25	050S	060W	4301352848		Indian	OW	APD	
LC TRIBAL 10-25D-56	25	050S	060W	4301352849		Indian	OW	APD	
UTE TRIBAL 8-30D-55	29	050S	050W	4301352855		Indian	OW	APD	
UTE TRIBAL 9-29D-55	29	050S	050W	4301352870		Indian	OW	APD	
UTE TRIBAL 6-24D-55	24	050S	050W	4301352871		Indian	OW	APD	
UTE TRIBAL 16-17D-55	17	050S	050W	4301352872		Indian	OW	APD	
UTE TRIBAL 13-27D-55	27	050S	050W	4301352882		Indian	OW	APD	
UTE TRIBAL 4-29D-55	29	050S	050W	4301352883		Indian	OW	APD	
UTE TRIBAL 1-29D-55	29	050S	050W	4301352884		Indian	OW	APD	
Federal 4-2D-65	2	060S	050W	4301352885		Federal	OW	APD	
Federal 5-2D-65	2	060S	050W	4301352886		Federal	OW	APD	
Federal 12-2D-65	2	060S	050W	4301352887		Federal	OW	APD	
LC TRIBAL 12-25D-56	25	050S	060W	4301352888		Indian	OW	APD	
LC TRIBAL 13-25D-56	25	050S	060W	4301352890		Indian	OW	APD	
LC TRIBAL 14-25D-56	25	050S	060W	4301352891		Indian	OW	APD	
Federal 15-3D-65	3	060S	050W	4301352892		Federal	OW	APD	
Federal 9-3D-65	3	060S	050W	4301352893		Federal	OW	APD	
Federal 8-3D-65	3	060S	050W	4301352894		Federal	OW	APD	
Federal 6-3D-65	3	060S	050W	4301352895		Federal	OW	APD	
UTE TRIBAL 6-28D-55	28	050S	050W	4301334056	18593	Indian	OW	DRL	
MOON TRIBAL 9-27D-54	27	050S	040W	4301334108	19095	Indian	OW	DRL	
LC TRIBAL 9-16D-56	16	050S	060W	4301350600	99999	Indian	OW	DRL	

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FEDERAL 15-6D-64	6	060S	040W	4301351219	18793	Federal	OW	DRL
UTE TRIBAL 9-21D-55	21	050S	050W	4301351258	19401	Indian	OW	DRL
STATE TRIBAL 2-12D-55	12	050S	050W	4301351310	19444	Indian	OW	DRL
UTE TRIBAL 7-10D-54	10	050S	040W	4301351365	19391	Indian	OW	DRL
LC TRIBAL 9-26D-56	26	050S	060W	4301351381	19433	Indian	OW	DRL
UTE TRIBAL 8-17D-55	17	050S	050W	4301351413	19388	Indian	OW	DRL
LC TRIBAL 9-24D-45	24	040S	050W	4301351431	18861	Indian	OW	DRL
LC TRIBAL 2-29D-45	29	040S	050W	4301351705	99999	Indian	OW	DRL
LC TAYLOR FEE 14-22D-56	22	050S	060W	4301351744	19508	Fee	OW	DRL
LC FEE 14-6D-56	6	050S	060W	4301351787	18910	Fee	OW	DRL
LC FEE 15-6-56	6	050S	060W	4301351792	19334	Fee	OW	DRL
LC Fee 14-36D-56	36	050S	060W	4301351878	19376	Fee	OW	DRL
LC Fee 12-36-56	36	050S	060W	4301351883	19377	Fee	OW	DRL
LC Tribal 6-29D-45	29	040S	050W	4301351902	19402	Indian	OW	DRL
Federal 4-6D-65	6	060S	050W	4301352005	19173	Federal	OW	DRL
Federal 12-6D-65	6	060S	050W	4301352006	19174	Federal	OW	DRL
UTE Tribal 14-18D-54	18	050S	040W	4301352213	19509	Indian	GW	DRL
UTE Tribal 15-31D-55	31	050S	050W	4301352309	19472	Indian	GW	DRL
UTE Tribal 16-31D-55	31	050S	050W	4301352318	19473	Indian	GW	DRL
State Tribal 1-12D-55	12	050S	050W	4301352390	19445	Indian	OW	DRL
State Tribal 16-6D-54	6	050S	040W	4301352394	19424	Indian	OW	DRL
State Tribal 10-6D-54	6	050S	040W	4301352395	19425	Indian	OW	DRL
State Tribal 9-6D-54	6	050S	040W	4301352396	19426	Indian	OW	DRL
State Tribal 7-7D-54	7	050S	040W	4301352426	19496	Indian	OW	DRL
State Tribal 1-7D-54	7	050S	040W	4301352427	19497	Indian	OW	DRL
State Tribal 2-7D-54	7	050S	040W	4301352428	19498	Indian	OW	DRL
State Tribal 3-7D-54	7	050S	040W	4301352429	19517	Indian	OW	DRL
State Tribal 4-7D-54	7	050S	040W	4301352431	99999	Indian	OW	DRL
State Tribal 5-7D-54	7	050S	040W	4301352432	99999	Indian	OW	DRL
State Tribal 6-7D-54	7	050S	040W	4301352433	19518	Indian	OW	DRL
State Tribal 11-6D-54	6	050S	040W	4301352452	19474	Indian	OW	DRL
State Tribal 12-6D-54	6	050S	040W	4301352453	19475	Indian	OW	DRL
State Tribal 13-6D-54	6	050S	040W	4301352454	19476	Indian	OW	DRL
State Tribal 14-6D-54	6	050S	040W	4301352455	19477	Indian	OW	DRL
Ute Tribal 1-9D-54	9	050S	040W	4301352465	19356	Indian	OW	DRL
Ute Tribal 7-9D-54	9	050S	040W	4301352466	19357	Indian	OW	DRL
UTE TRIBAL 12-5D-54	5	050S	040W	4301352480	19499	Indian	OW	DRL
UTE TRIBAL 13-5D-54	5	050S	040W	4301352484	19500	Indian	OW	DRL
UTE TRIBAL 14-5D-54	5	050S	040W	4301352493	19510	Indian	OW	DRL
State Tribal 13-11D-54	10	050S	040W	4301352561	19519	Indian	OW	DRL
State Tribal 1-18D-54	18	050S	040W	4301352568	19434	Indian	OW	DRL
State Tribal 2-18D-54	18	050S	040W	4301352576	19427	Indian	OW	DRL
State Tribal 8-18D-54	18	050S	040W	4301352577	19428	Indian	OW	DRL
State Tribal 4-18D-54	18	050S	040W	4301352607	19435	Indian	OW	DRL
State Tribal 3-18D-54	18	050S	040W	4301352608	19436	Indian	OW	DRL
State Tribal 6-18D-54	18	050S	040W	4301352609	19437	Indian	OW	DRL
State Tribal 5-12-55	12	050S	050W	4301352643	19446	Indian	OW	DRL
State Tribal 12-12D-55	12	050S	050W	4301352644	19447	Indian	OW	DRL
State Tribal 6-12D-55	12	050S	050W	4301352645	19438	Indian	OW	DRL
State Tribal 16-1D-55	1	050S	050W	4301352646	19483	Indian	OW	DRL
State Tribal 15-1D-55	1	050S	050W	4301352647	19484	Indian	OW	DRL
State Tribal 10-1D-55	1	050S	050W	4301352648	19485	Indian	OW	DRL
State Tribal 9-1D-55	1	050S	050W	4301352649	19486	Indian	OW	DRL
LC FEE 16-15D-56	14	050S	060W	4301352655	19520	Fee	OW	DRL
LC Tribal 2-22D-56	22	050S	060W	4301352663	99999	Indian	OW	DRL
LC Tribal 3-22D-56	22	050S	060W	4301352664	99999	Indian	OW	DRL
Federal 2-13-65	13	060S	050W	4301352801	19501	Federal	OW	DRL
Federal 8-13D-65	13	060S	050W	4301352803	19502	Federal	OW	DRL
Federal 12-8D-64	7	060S	040W	4301352832	99999	Federal	OW	DRL
Federal 5-8D-64	7	060S	040W	4301352833	99999	Federal	OW	DRL
Federal 4-8D-64	7	060S	040W	4301352834	99999	Federal	OW	DRL
Federal 3-8D-64	5	060S	040W	4301352845	19503	Federal	OW	DRL
LC TRIBAL 4H-31-56	31	050S	060W	4301351738		Indian	OW	NEW
Federal 14-7D-65	31	050S	060W	4301351910		Indian	OW	NEW
LC Fee 11-22-57	22	050S	070W	4301352127		Fee	OW	NEW
LC Fee 13-22D-57	22	050S	070W	4301352131		Fee	OW	NEW

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LC Tribal 5-22D-57	22	050S	070W	4301352133		Indian	OW	NEW	
LC Tribal 15-22D-57	22	050S	070W	4301352134		Indian	OW	NEW	
LC Tribal 11-18D-56	18	050S	060W	4301352140		Indian	OW	NEW	
LC Tribal 13-18D-56	18	050S	060W	4301352141		Indian	OW	NEW	
LC Tribal 15-18D-56	18	050S	060W	4301352142		Indian	OW	NEW	
LC Tribal 7-18D-56	18	050S	060W	4301352153		Indian	OW	NEW	
LC Tribal 5-18D-56	18	050S	060W	4301352154		Indian	OW	NEW	
LC Tribal 3-18-56	18	050S	060W	4301352155		Indian	OW	NEW	
LC Tribal 6-19D-56	19	050S	060W	4301352247		Indian	OW	NEW	
LC Tribal 4-19D-56	19	050S	060W	4301352248		Indian	OW	NEW	
Abbott Fee 3-6D-54	6	050S	040W	4301352325		Fee	OW	NEW	
LC Fee 9-11D-56	11	050S	060W	4301352479		Fee	OW	NEW	
Williams Tribal 8-4D-54	4	050S	040W	4301352650		Indian	OW	NEW	
Williams Tribal 7-4D-54	4	050S	040W	4301352651		Indian	OW	NEW	
Williams Tribal 2-4D-54	4	050S	040W	4301352652		Indian	OW	NEW	
Williams Tribal 1-4D-54	4	050S	040W	4301352653		Indian	OW	NEW	
Federal 9-8D-64	9	060S	040W	4301352880		Federal	OW	NEW	
Federal 16-8D-64	9	060S	040W	4301352881		Federal	OW	NEW	
LC Nielsen Tribal 6-33D-56	33	050S	060W	4301352896		Indian	OW	NEW	
LC Nielsen Tribal 2-33D-56	33	050S	060W	4301352897		Indian	OW	NEW	
LC Nielsen Tribal 4-33D-56	33	050S	060W	4301352898		Indian	OW	NEW	
LC Nielsen Tribal 5-33D-56	33	050S	060W	4301352899		Indian	OW	NEW	
UTE FEE 13-9D-54	9	050S	040W	4301352906		Fee	OW	NEW	
UTE FEE 2-34D-55	27	050S	050W	4301352971		Fee	OW	NEW	
Federal 13-7D-65	7	060S	050W	4301352974		Federal	OW	NEW	
Federal 14-7D-65	7	060S	050W	4301352975		Federal	OW	NEW	
UTE TRIBAL 6-27D-55	27	050S	050W	4301352976		Indian	OW	NEW	
LC Nielsen Tribal 12-27D-56	27	050S	060W	4301352977		Indian	OW	NEW	
LC Nielsen Tribal 13-27D-56	27	050S	060W	4301352978		Indian	OW	NEW	
LC Nielsen Tribal 16-28D-56	27	050S	060W	4301352979		Indian	OW	NEW	
LC Nielsen Fee 9-28D-56	27	050S	060W	4301352980		Fee	OW	NEW	
LC FEE 9-36D-56	36	050S	060W	4301352982		Fee	OW	NEW	
LC FEE 15-36D-56	36	050S	060W	4301352983		Fee	OW	NEW	
LC TRIBAL 6-36D-56	36	050S	060W	4301352984		Indian	OW	NEW	
LC TRIBAL 5-36D-56	36	050S	060W	4301352985		Indian	OW	NEW	
LC TRIBAL 4-36D-56	36	050S	060W	4301352986		Indian	OW	NEW	
LC TRIBAL 3-36D-56	36	050S	060W	4301352987		Indian	OW	NEW	
LC TRIBAL 2-35D-56	35	050S	060W	4301352988		Indian	OW	NEW	
LC TRIBAL 1-35D-56	35	050S	060W	4301352989		Indian	OW	NEW	
UTE TRIBAL 13-3R-54	3	050S	040W	4301330924	9488	Indian	OW	OPS	
UTE TRIBAL 3-20D-55	20	050S	050W	4301333280	18424	Indian	OW	OPS	
LC TRIBAL 4H-17-56	17	050S	060W	4301333540	18067	Indian	OW	OPS	
LC TRIBAL 16-21-46	21	040S	060W	4301333575	16156	Indian	OW	OPS	
UTE TRIBAL 8-20D-55	20	050S	050W	4301333676	17308	Indian	OW	OPS	
UTE TRIBAL 14-14D-55	14	050S	050W	4301333699	18409	Indian	OW	OPS	
UTE TRIBAL 5-29D-55	29	050S	050W	4301333740	17306	Indian	OW	OPS	
UTE TRIBAL 7-32D-55	32	050S	050W	4301333794	18359	Indian	OW	OPS	
UTE TRIBAL 12-27D-55	27	050S	050W	4301333798	18360	Indian	OW	OPS	
FOY 9-33D-55	33	050S	050W	4301333802	17125	Fee	OW	OPS	
BERRY TRIBAL 2-23D-54	23	050S	040W	4301333805	18546	Indian	OW	OPS	
UTE TRIBAL 13-29D-55	29	050S	050W	4301333807	18378	Indian	OW	OPS	
UTE TRIBAL 16-28D-55	28	050S	050W	4301333887	18594	Indian	OW	OPS	
LC FEE 8-15D-56	15	050S	060W	4301350597	19347	Fee	OW	OPS	
SFW FEE 13-10D-54	10	050S	040W	4301350892	19186	Fee	OW	OPS	
SFW TRIBAL 11-10D-54	10	050S	040W	4301350893	19215	Indian	OW	OPS	
LC TRIBAL 5HH-5-56	4	050S	060W	4301350927	18463	Indian	OW	OPS	
LC TRIBAL 16-34D-45	34	040S	050W	4301350977	18658	Indian	OW	OPS	
LC TRIBAL 3-4D-56	4	050S	060W	4301351000	18852	Indian	OW	OPS	
FEDERAL 7-12D-65	12	060S	050W	4301351058	18717	Federal	OW	OPS	
LC TRIBAL 2-33D-45	33	040S	050W	4301351402	18854	Indian	OW	OPS	
LC TRIBAL 9-3D-56	3	050S	060W	4301351514	18948	Indian	OW	OPS	
LC Tribal 3-34D-56	34	050S	060W	4301352087	19234	Indian	OW	OPS	
LC Tribal 7-34D-56	34	050S	060W	4301352088	19235	Indian	OW	OPS	
Ute Tribal 5-9D-54	9	050S	040W	4301352463	19354	Indian	OW	OPS	
Ute Tribal 3-9D-54	9	050S	040W	4301352464	19355	Indian	OW	OPS	
BC UTE TRIBAL 4-22	22	050S	040W	4301330755	2620	Indian	OW	P	

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B C UTE TRIBAL 16-16	16	050S	040W	4301330841	9489	Indian	OW	P	
B C UTE TRIBAL 14-15	15	050S	040W	4301330842	9440	Indian	OW	P	
UTE TRIBAL 1-32R	32	050S	040W	4301330872	13020	Indian	OW	P	
UTE TRIBAL 23-3R	23	050S	040W	4301330886	13034	Indian	OW	P	
S COTTONWOOD RIDGE UTE TRIBAL 1-19	19	050S	040W	4301330933	9845	Indian	OW	P	BRUNDAGE CANYON
TABBY CYN UTE TRIBAL 1-25	25	050S	050W	4301330945	9722	Indian	OW	P	
S BRUNDAGE UTE TRIBAL 1-30	30	050S	040W	4301330948	9850	Indian	OW	P	
SOWERS CYN UTE TRIBAL 3-26	26	050S	050W	4301330955	10423	Indian	OW	P	
UTE TRIBAL 3-24R-55 (REENTRY)	24	050S	050W	4301330960	15173	Indian	OW	P	
UTE TRIBAL 1-20	20	050S	040W	4301330966	9925	Indian	OW	P	
T C UTE TRIBAL 9-23X	23	050S	050W	4301330999	9720	Indian	OW	P	
UTE TRIBAL 15-24R	24	050S	050W	4301331129	11985	Indian	OW	P	
S BRUNDAGE CYN UTE TRIBAL 4-27	27	050S	040W	4301331131	9851	Indian	OW	P	
UTE TRIBAL 5-13	13	050S	050W	4301331152	10421	Indian	OW	P	
UTE TRIBAL 7-20R-54	20	050S	040W	4301331281	14088	Indian	OW	P	
Z and T UTE TRIBAL 7-19	19	050S	040W	4301331282	11131	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 13-19	19	050S	040W	4301331284	11134	Indian	OW	P	
Z and T UTE TRIBAL 7-25	25	050S	050W	4301331310	11416	Indian	OW	P	
UTE TRIBAL 13-17	17	050S	040W	4301331546	11921	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 11-19	19	050S	040W	4301331547	11920	Indian	OW	P	
UTE TRIBAL 13-22	22	050S	040W	4301331548	11926	Indian	OW	P	
UTE TRIBAL 1-28	28	050S	040W	4301331549	11925	Indian	OW	P	
UTE TRIBAL 4-30	30	050S	040W	4301331550	11914	Indian	OW	P	
UTE TRIBAL 15-16	16	050S	040W	4301331648	11951	Indian	OW	P	
UTE TRIBAL 16-18	18	050S	040W	4301331650	11946	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 5-20	20	050S	040W	4301331651	11957	Indian	OW	P	
UTE TRIBAL 15-23	23	050S	050W	4301331671	11989	Indian	OW	P	
TABBY CANYON 1-21	21	050S	050W	4301331699	12225	Indian	OW	P	
TABBY CANYON 8-22	22	050S	050W	4301331700	12008	Indian	OW	P	
SOWERS CANYON 9-27	27	050S	050W	4301331701	11997	Indian	OW	P	
UTE TRIBAL 3-19	19	050S	040W	4301331830	12197	Indian	OW	P	
UTE TRIBAL 9-19	19	050S	040W	4301331831	12175	Indian	OW	P	
UTE TRIBAL 15-19	19	050S	040W	4301331832	12180	Indian	OW	P	
UTE TRIBAL 2-25	25	050S	050W	4301331833	12153	Indian	OW	P	
UTE TRIBAL 3-25	25	050S	050W	4301331834	12152	Indian	OW	P	
UTE TRIBAL 11-24	24	050S	050W	4301331909	12190	Indian	OW	P	
UTE TRIBAL 13-24	24	050S	050W	4301331910	12217	Indian	OW	P	
UTE TRIBAL 11-25	25	050S	050W	4301331911	12182	Indian	OW	P	
UTE TRIBAL 1-26	26	050S	050W	4301331912	12235	Indian	OW	P	
UTE TRIBAL 2-19	19	050S	040W	4301332140	12795	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 6-25H	25	050S	050W	4301332143	12750	Indian	OW	P	
UTE TRIBAL 9-18	18	050S	040W	4301332144	12746	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 11-17	17	050S	040W	4301332145	12747	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 12-17	17	050S	040W	4301332146	12745	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 14-17	17	050S	040W	4301332147	12755	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 15-18	18	050S	040W	4301332148	12794	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 6-22	22	050S	040W	4301332163	12974	Indian	OW	P	
UTE TRIBAL 6-21	21	050S	040W	4301332164	12994	Indian	OW	P	
UTE TRIBAL 7-28	28	050S	040W	4301332166	12995	Indian	OW	P	
UTE TRIBAL 11-20	20	050S	040W	4301332168	12946	Indian	OW	P	
UTE TRIBAL 13-25	25	050S	050W	4301332169	12857	Indian	OW	P	
UTE TRIBAL 2-27	27	050S	040W	4301332179	12975	Indian	OW	P	
UTE TRIBAL 1-33	33	050S	040W	4301332185	13024	Indian	OW	P	
UTE TRIBAL 1-34	34	050S	040W	4301332186	13121	Indian	OW	P	
UTE TRIBAL 2-35	35	050S	050W	4301332187	13021	Indian	OW	P	
UTE TRIBAL 4-36	36	050S	050W	4301332188	13063	Indian	OW	P	
UTE TRIBAL 5-28	28	050S	040W	4301332189	13026	Indian	OW	P	
UTE TRIBAL 5-31	31	050S	040W	4301332190	13080	Indian	OW	P	
UTE TRIBAL 9-26	26	050S	040W	4301332191	13101	Indian	OW	P	
UTE TRIBAL 11-28	28	050S	040W	4301332192	13022	Indian	OW	P	
UTE TRIBAL 3-29	29	050S	040W	4301332193	13042	Indian	OW	P	
UTE TRIBAL 5-19	19	050S	040W	4301332204	13090	Indian	OW	P	
UTE TRIBAL 12-15	15	050S	040W	4301332205	13100	Indian	OW	P	
UTE TRIBAL 13-20	20	050S	040W	4301332206	13048	Indian	OW	P	
UTE TRIBAL 1-24-55	24	050S	050W	4301332259	13618	Indian	OW	P	
UTE TRIBAL 3-28-54	28	050S	040W	4301332261	13644	Indian	OW	P	

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UTE TRIBAL 5-24-55	24	050S	050W	4301332263	13621	Indian	OW	P	
UTE TRIBAL 5-26-55	26	050S	050W	4301332264	13642	Indian	OW	P	
UTE TRIBAL 6-36-55	36	050S	050W	4301332265	13600	Indian	OW	P	
UTE TRIBAL 9-24-55	24	050S	050W	4301332268	13620	Indian	OW	P	
UTE TRIBAL 11-23-55	23	050S	050W	4301332269	13572	Indian	OW	P	
UTE TRIBAL 15-25-55	25	050S	050W	4301332271	13566	Indian	OW	P	
UTE TRIBAL 16-14-55	14	050S	050W	4301332272	13567	Indian	OW	P	
UTE TRIBAL 15-27-55	27	050S	050W	4301332339	14020	Indian	OW	P	
UTE TRIBAL 5-15-55	15	050S	050W	4301332344	13606	Indian	OW	P	
UTE TRIBAL 7-20-55	20	050S	050W	4301332346	13607	Indian	OW	P	
MOON TRIBAL 12-23-54	23	050S	040W	4301332347	14008	Indian	OW	P	
UTE TRIBAL 14-28-55	28	050S	050W	4301332348	13580	Indian	OW	P	
UTE TRIBAL 16-29-55	29	050S	050W	4301332349	13581	Indian	OW	P	
UTE TRIBAL 2-32-55	32	050S	050W	4301332350	13695	Indian	OW	P	
UTE TRIBAL 16-35-55	35	050S	050W	4301332352	14267	Indian	OW	P	
UTE TRIBAL 10-35-55	35	050S	050W	4301332353	13645	Indian	OW	P	
UTE TRIBAL 12-36-55	36	050S	050W	4301332354	13643	Indian	OW	P	
UTE TRIBAL 14-36-55	36	050S	050W	4301332355	14262	Indian	OW	P	
UTE TRIBAL 16-36-55	36	050S	050W	4301332356	14122	Indian	OW	P	
UTE TRIBAL 4-33-55	33	050S	050W	4301332357	13685	Indian	OW	P	
UTE TRIBAL 15-17-55	17	050S	050W	4301332358	13698	Indian	OW	P	
UTE TRIBAL 12-14-54	14	050S	040W	4301332369	13647	Indian	OW	P	
UTE TRIBAL 3-20-54	20	050S	040W	4301332377	13955	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 4-21-54	21	050S	040W	4301332378	13907	Indian	OW	P	
UTE TRIBAL 9-20-54	20	050S	040W	4301332379	13906	Indian	OW	P	
UTE TRIBAL 5-30-54	30	050S	040W	4301332380	13905	Indian	OW	P	
UTE TRIBAL 16-21-54	21	050S	040W	4301332381	13912	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 15-30-54	30	050S	040W	4301332382	13944	Indian	OW	P	
UTE TRIBAL 9-30-54	30	050S	040W	4301332383	14050	Indian	OW	P	
UTE TRIBAL 14-21-54	21	050S	040W	4301332384	13946	Indian	OW	P	
UTE TRIBAL 12-21-54	21	050S	040W	4301332385	13928	Indian	OW	P	
UTE TRIBAL 15-20-54	20	050S	040W	4301332386	13911	Indian	OW	P	
UTE TRIBAL 13-28-54	28	050S	040W	4301332387	13908	Indian	OW	P	
UTE TRIBAL 9-28-54	28	050S	040W	4301332388	13910	Indian	OW	P	
UTE TRIBAL 15-28-54	28	050S	040W	4301332389	13909	Indian	OW	P	
UTE TRIBAL 9-25-55	25	050S	050W	4301332390	13715	Indian	OW	P	
MOON TRIBAL 6-27-54	27	050S	040W	4301332407	13969	Indian	OW	P	
MOON TRIBAL 14-27-54	27	050S	040W	4301332408	13998	Indian	OW	P	
UTE TRIBAL 3-32-54	32	050S	040W	4301332410	13949	Indian	OW	P	
UTE TRIBAL 7-32-54	32	050S	040W	4301332411	13936	Indian	OW	P	
UTE TRIBAL 7-33-54	33	050S	040W	4301332413	13945	Indian	OW	P	
UTE TRIBAL 11-20-55	20	050S	050W	4301332415	14269	Indian	OW	P	
UTE TRIBAL 1-27-55	27	050S	050W	4301332416	13947	Indian	OW	P	
UTE TRIBAL 3-27-55	27	050S	050W	4301332417	14022	Indian	OW	P	
UTE TRIBAL 7-27-55	27	050S	050W	4301332418	13948	Indian	OW	P	
UTE TRIBAL 10-28-55	28	050S	050W	4301332419	14580	Indian	OW	P	
UTE TRIBAL 6-32-55	32	050S	050W	4301332420	14895	Indian	OW	P	
UTE TRIBAL 8-32-55	32	050S	050W	4301332421	14896	Indian	OW	P	
UTE TRIBAL 2-36-55	36	050S	050W	4301332422	13937	Indian	OW	P	
UTE TRIBAL 8-36-55	36	050S	050W	4301332423	14021	Indian	OW	P	
UTE TRIBAL 13-16-54	16	050S	040W	4301332511	13981	Indian	OW	P	
UTE TRIBAL 13-23-55	23	050S	050W	4301332513	13975	Indian	OW	P	
UTE TRIBAL 7-23-55	23	050S	050W	4301332514	13976	Indian	OW	P	
UTE TRIBAL 5-33-54	33	050S	040W	4301332521	14060	Indian	OW	P	
UTE TRIBAL 11-33-54	33	050S	040W	4301332522	14061	Indian	OW	P	
UTE TRIBAL 14-32-54	32	050S	040W	4301332523	14062	Indian	OW	P	
UTE TRIBAL 1-23-55	23	050S	050W	4301332524	14044	Indian	OW	P	
UTE TRIBAL 5-29-54	29	050S	040W	4301332525	14045	Indian	OW	P	
UTE TRIBAL 1-31-54	31	050S	040W	4301332526	14116	Indian	OW	P	
UTE TRIBAL 3-31-54	31	050S	040W	4301332527	14109	Indian	OW	P	
UTE TRIBAL 7-31-54	31	050S	040W	4301332528	14160	Indian	OW	P	
UTE TRIBAL 9-31-54	31	050S	040W	4301332529	14177	Indian	OW	P	
UTE TRIBAL 11-31-54	31	050S	040W	4301332530	14163	Indian	OW	P	
UTE TRIBAL 3-23-55	23	050S	050W	4301332536	14077	Indian	OW	P	
UTE TRIBAL 5-23-55	23	050S	050W	4301332537	14108	Indian	OW	P	
UTE TRIBAL 9-32-54	32	050S	040W	4301332538	14199	Indian	OW	P	

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UTE TRIBAL 5-32-54	32	050S	040W	4301332539	14112	Indian	OW	P	
MOON TRIBAL 10-27-54	27	050S	040W	4301332540	14195	Indian	OW	P	
MOON TRIBAL 12-27-54	27	050S	040W	4301332541	14161	Indian	OW	P	
MOON TRIBAL 8-27-54	27	050S	040W	4301332543	14139	Indian	OW	P	
UTE TRIBAL 9-33-54	33	050S	040W	4301332549	14162	Indian	OW	P	
WILLIAMSON TRIBAL 3-34-54	34	050S	040W	4301332550	14222	Indian	OW	P	
WILLIAMSON TRIBAL 5-34-54	34	050S	040W	4301332551	14235	Indian	OW	P	
FEDERAL 6-2-65	2	060S	050W	4301332557	14655	Federal	OW	P	
UTE TRIBAL 15-29-54	29	050S	040W	4301332561	14316	Indian	OW	P	
UTE TRIBAL 7-29-54	29	050S	040W	4301332562	14354	Indian	OW	P	
UTE TRIBAL 11-29-54	29	050S	040W	4301332563	14337	Indian	OW	P	
UTE TRIBAL 13-29-54	29	050S	040W	4301332564	14315	Indian	OW	P	
UTE TRIBAL 4-29-54	29	050S	040W	4301332565	14367	Indian	OW	P	
UTE TRIBAL 9-29-54	29	050S	040W	4301332566	14369	Indian	OW	P	
UTE TRIBAL 1-35-54	35	050S	040W	4301332567	14266	Indian	OW	P	
UTE TRIBAL 11-13-54	13	050S	040W	4301332568	14281	Indian	OW	P	
UTE TRIBAL 6-24-54	24	050S	040W	4301332570	14299	Indian	OW	P	
UTE TRIBAL 13-18-54	18	050S	040W	4301332571	14388	Indian	OW	P	
UTE TRIBAL 12-29-54	29	050S	040W	4301332572	14336	Indian	OW	P	
UTE TRIBAL 4-24-54	24	050S	040W	4301332573	14247	Indian	OW	P	
UTE TRIBAL 6-14-54	14	050S	040W	4301332586	15270	Indian	OW	P	
UTE TRIBAL 10-15-54	15	050S	040W	4301332587	14194	Indian	OW	P	
UTE TRIBAL 16-15-54	15	050S	040W	4301332588	14311	Indian	OW	P	
UTE TRIBAL 11-16-54	16	050S	040W	4301332589	14178	Indian	OW	P	
UTE TRIBAL 8-22-54	22	050S	040W	4301332590	14219	Indian	OW	P	
UTE TRIBAL 2-22-54	22	050S	040W	4301332591	14328	Indian	OW	P	
UTE TRIBAL 10-22-54	22	050S	040W	4301332592	14218	Indian	OW	P	
UTE TRIBAL 14-22-54	22	050S	040W	4301332593	14220	Indian	OW	P	
UTE TRIBAL 13-13-55	13	050S	050W	4301332599	15134	Indian	OW	P	
UTE TRIBAL 13-14-55	14	050S	050W	4301332600	14236	Indian	OW	P	
UTE TRIBAL 13-15-55	15	050S	050W	4301332602	14263	Indian	OW	P	
UTE TRIBAL 10-21-55	21	050S	050W	4301332603	14385	Indian	OW	P	
UTE TRIBAL 2-22-55	22	050S	050W	4301332604	14268	Indian	OW	P	
UTE TRIBAL 3-22-55	22	050S	050W	4301332605	14298	Indian	OW	P	
UTE TRIBAL 9-22-55	22	050S	050W	4301332606	14330	Indian	OW	P	
UTE TRIBAL 11-22-55	22	050S	050W	4301332607	14329	Indian	OW	P	
UTE TRIBAL 5-27-55	27	050S	050W	4301332614	14881	Indian	OW	P	
UTE TRIBAL 11-27-55	27	050S	050W	4301332615	14882	Indian	OW	P	
UTE TRIBAL 12-22-55	22	050S	050W	4301332616	14370	Indian	OW	P	
UTE TRIBAL 15-22-55	22	050S	050W	4301332617	14921	Indian	OW	P	
UTE TRIBAL 8-25-55	25	050S	050W	4301332620	14365	Indian	OW	P	
UTE TRIBAL 4-20-54	20	050S	040W	4301332621	14518	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 6-20-54	20	050S	040W	4301332622	14382	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 5-22-54	22	050S	040W	4301332624	14547	Indian	OW	P	
UTE TRIBAL 3-30-54	30	050S	040W	4301332625	14364	Indian	OW	P	
UTE TRIBAL 3-10-54	10	050S	040W	4301332663	14414	Indian	OW	P	
UTE TRIBAL 11-5-54	5	050S	040W	4301332664	14415	Indian	OW	P	
UTE TRIBAL 15-32-54	32	050S	040W	4301332666	14460	Indian	OW	P	
UTE TRIBAL 8-31-55	31	050S	050W	4301332673	14407	Indian	OW	P	
UTE TRIBAL 3-35-54	35	050S	040W	4301332675	14656	Indian	OW	P	
UTE TRIBAL 2-30-55	30	050S	050W	4301332680	14427	Indian	OW	P	
UTE TRIBAL 9-17-54	17	050S	040W	4301332687	15309	Indian	OW	P	
UTE TRIBAL 13-31-54	31	050S	040W	4301332688	14517	Indian	OW	P	
UTE TRIBAL 14-19-54	19	050S	040W	4301332690	14546	Indian	OW	P	
UTE TRIBAL 16-19-54	19	050S	040W	4301332691	14491	Indian	OW	P	
UTE TRIBAL 13-32-54	32	050S	040W	4301332692	14490	Indian	OW	P	
UTE TRIBAL 11-14-55	14	050S	050W	4301332693	15136	Indian	OW	P	
UTE TRIBAL 8-28-55	28	050S	050W	4301332694	14574	Indian	OW	P	
FEDERAL 6-1-65	1	060S	050W	4301332699	15776	Federal	OW	P	
UTE TRIBAL 9-15-55	15	050S	050W	4301332701	14573	Indian	OW	P	
UTE TRIBAL 14-20-54	20	050S	040W	4301332702	14459	Indian	OW	P	
#1 DLB 12-15-56	15	050S	060W	4301332710	14943	Fee	GW	P	
UTE TRIBAL 12-19-54	19	050S	040W	4301332716	14627	Indian	OW	P	
UTE TRIBAL 10-19-54	19	050S	040W	4301332717	14628	Indian	OW	P	
UTE TRIBAL 16-30-54	30	050S	040W	4301332718	14604	Indian	OW	P	
UTE TRIBAL 11-12-55	12	050S	050W	4301332721	14605	Indian	OW	P	

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NIELSEN MARSING 13-14-56	14	050S	060W	4301332737	15060	Fee	OW	P	
TAYLOR HERRICK 10-22-56	22	050S	060W	4301332738	15058	Fee	OW	P	
UTE TRIBAL 16-20-54	20	050S	040W	4301332739	14671	Indian	OW	P	
UTE TRIBAL 10-20-54	20	050S	040W	4301332740	14691	Indian	OW	P	
UTE TRIBAL 4-28-54	28	050S	040W	4301332741	14672	Indian	OW	P	
UTE TRIBAL 13-33-54	33	050S	040W	4301332742	14736	Indian	OW	P	
UTE TRIBAL 15-31-54	31	050S	040W	4301332743	14690	Indian	OW	P	
UTE TRIBAL 8-30-54	30	050S	040W	4301332746	15583	Indian	OW	P	
UTE TRIBAL 10-25-55	25	050S	050W	4301332749	14758	Indian	OW	P	
UTE TRIBAL 14-25-55	25	050S	050W	4301332750	14798	Indian	OW	P	
UTE TRIBAL 3-36-55	36	050S	050W	4301332751	14842	Indian	OW	P	
UTE TRIBAL 16-16-55	16	050S	050W	4301332757	14865	Indian	OW	P	
UTE TRIBAL 3-21-55	21	050S	050W	4301332758	15112	Indian	OW	P	
UTE TRIBAL 16-25-55	25	050S	050W	4301332759	14821	Indian	OW	P	
UTE TRIBAL 1-36-55	36	050S	050W	4301332760	14822	Indian	OW	P	
UTE TRIBAL 7-22-54	22	050S	040W	4301332761	15661	Indian	OW	P	
UTE TRIBAL 2-31-54	31	050S	040W	4301332762	14845	Indian	OW	P	
UTE TRIBAL 2-28-54	28	050S	040W	4301332763	14723	Indian	OW	P	
UTE TRIBAL 10-28-54	28	050S	040W	4301332764	14722	Indian	OW	P	
UTE TRIBAL 12-28-54	28	050S	040W	4301332765	14701	Indian	OW	P	
UTE TRIBAL 8-28-54	28	050S	040W	4301332766	14777	Indian	OW	P	
UTE TRIBAL 4-31-54	31	050S	040W	4301332767	14494	Indian	OW	P	
UTE TRIBAL 15-33-54	33	050S	040W	4301332768	15210	Indian	OW	P	
UTE TRIBAL 12-25-55	25	050S	050W	4301332769	14799	Indian	OW	P	
UTE TRIBAL 16-24-54	24	050S	040W	4301332775	14762	Indian	OW	P	
UTE TRIBAL 14-25-54	25	050S	040W	4301332776	14753	Indian	OW	P	
UTE TRIBAL 8-25-54	25	050S	040W	4301332780	15280	Indian	OW	P	
UTE TRIBAL 9-35-54	35	050S	040W	4301332781	15535	Indian	OW	P	
MYRIN TRIBAL 14-19-55	19	050S	050W	4301332782	15184	Indian	OW	P	
UTE TRIBAL 6-30-55	30	050S	050W	4301332783	15163	Indian	OW	P	
MOON TRIBAL 4-23-54	23	050S	040W	4301332800	14985	Indian	OW	P	
MOON TRIBAL 5-27-54	27	050S	040W	4301332802	14984	Indian	OW	P	
UTE TRIBAL 2-32-54	32	050S	040W	4301332803	15151	Indian	OW	P	
UTE TRIBAL 15-35-54	35	050S	040W	4301332804	15185	Indian	OW	P	
UTE TRIBAL 5-35-54	35	050S	040W	4301332805	15485	Indian	OW	P	
UTE TRIBAL 13-35-54	35	050S	040W	4301332806	15292	Indian	OW	P	
UTE TRIBAL 11-35-54	35	050S	040W	4301332807	15317	Indian	OW	P	
UTE TRIBAL 8-19-54	19	050S	040W	4301332840	14946	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 13-20-55	20	050S	050W	4301332841	15097	Indian	OW	P	
UTE TRIBAL 16-22-54	22	050S	040W	4301332842	15015	Indian	OW	P	
MOON TRIBAL 6-23-54	23	050S	040W	4301332843	15113	Indian	OW	P	
UTE TRIBAL 11-26-54	26	050S	040W	4301332844	15233	Indian	OW	P	
MOON TRIBAL 11-27-54	27	050S	040W	4301332845	15135	Indian	OW	P	
MOON TRIBAL 15-27-54	27	050S	040W	4301332846	15115	Indian	OW	P	
UTE TRIBAL 10-31-54	31	050S	040W	4301332847	14956	Indian	OW	P	
ST TRIBAL 6-15-54	15	050S	040W	4301332848	16656	Indian	OW	P	
ST TRIBAL 2-15-54	15	050S	040W	4301332849	16959	Indian	OW	P	
ST TRIBAL 4-15-54	15	050S	040W	4301332850	17478	Indian	OW	P	
ST TRIBAL 8-15-54	15	050S	040W	4301332851	16279	Indian	OW	P	
UTE TRIBAL 11-25-54	25	050S	040W	4301332856	15430	Indian	OW	P	
UTE TRIBAL 3-30-55	30	050S	050W	4301332862	15340	Indian	OW	P	
UTE TRIBAL 7-19-55	19	050S	050W	4301332863	15279	Indian	OW	P	
UTE TRIBAL 8-19-55	19	050S	050W	4301332864	15241	Indian	OW	P	
UTE TRIBAL 6-19-54	19	050S	040W	4301332865	14947	Indian	OW	P	
UTE TRIBAL 12-20-54	20	050S	040W	4301332866	14924	Indian	OW	P	
UTE TRIBAL 3-21-54	21	050S	040W	4301332867	15554	Indian	OW	P	
UTE TRIBAL 2-26-54	26	050S	040W	4301332868	15231	Indian	OW	P	
UTE TRIBAL 8-31-54	31	050S	040W	4301332869	14970	Indian	OW	P	
UTE TRIBAL 8-32-54	32	050S	040W	4301332870	15152	Indian	OW	P	
UTE TRIBAL 4-33-54	33	050S	040W	4301332871	15040	Indian	OW	P	
UTE TRIBAL 6-33-54	33	050S	040W	4301332872	15059	Indian	OW	P	
UTE TRIBAL 9-22-54	22	050S	040W	4301332889	15607	Indian	OW	P	
UTE TRIBAL 5-26-54	26	050S	040W	4301332890	15268	Indian	OW	P	
UTE TRIBAL 13-26-54	26	050S	040W	4301332891	15287	Indian	OW	P	
UTE TRIBAL 6-28D-54	28	050S	040W	4301332892	15232	Indian	OW	P	
UTE TRIBAL 2-30D-54	30	050S	040W	4301332894	15298	Indian	OW	P	

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UTE TRIBAL 4-32-54	32	050S	040W	4301332896	15555	Indian	OW	P
UTE TRIBAL 6-32D-54	32	050S	040W	4301332897	15312	Indian	OW	P
UTE TRIBAL 2-33D-54	33	050S	040W	4301332898	15271	Indian	OW	P
UTE TRIBAL 12-32-54	32	050S	040W	4301332925	15503	Indian	OW	P
UTE TRIBAL 16-32D-54	32	050S	040W	4301332926	16971	Indian	OW	P
MOON TRIBAL 16-23-54	23	050S	040W	4301332927	15219	Indian	OW	P
UTE TRIBAL 4-25-55	25	050S	050W	4301332928	15421	Indian	OW	P
UTE TRIBAL 7-36-55	36	050S	050W	4301332929	15341	Indian	OW	P
MOON TRIBAL 10-2-54	2	050S	040W	4301332931	15429	Indian	OW	P
UTE TRIBAL 10-24-54	24	050S	040W	4301332932	15364	Indian	OW	P
MYRIN TRIBAL 16-19-55	19	050S	050W	4301332934	15339	Indian	OW	P
UTE TRIBAL 2-31-55	31	050S	050W	4301332935	15428	Indian	OW	P
UTE TRIBAL 10-31-55	31	050S	050W	4301332936	15354	Indian	OW	P
MOON TRIBAL 1-27-54	27	050S	040W	4301332937	15308	Indian	OW	P
MOON TRIBAL 5-23-54	23	050S	040W	4301332938	15584	Indian	OW	P
ST TRIBAL 7-18-54	18	050S	040W	4301332952	15724	Indian	OW	P
ST TRIBAL 5-18-54	18	050S	040W	4301332953	15781	Indian	OW	P
UTE TRIBAL 15-15-54	15	050S	040W	4301332971	15310	Indian	OW	P
UTE TRIBAL 4-19-54	19	050S	040W	4301332972	15382	Indian	OW	P
UTE TRIBAL 8-20-54	20	050S	040W	4301332973	15245	Indian	OW	P
UTE TRIBAL 2-20-54	20	050S	040W	4301332974	15269	Indian	OW	P
UTE TRIBAL 7-15-55	15	050S	050W	4301332976	15311	Indian	OW	P
UTE TRIBAL 10-15-55	15	050S	050W	4301332977	15380	Indian	OW	P
UTE TRIBAL 1-15-55	15	050S	050W	4301332978	15299	Indian	OW	P
UTE TRIBAL 14-15-55	15	050S	050W	4301332979	15369	Indian	OW	P
UTE TRIBAL 11-15-55	15	050S	050W	4301332980	15342	Indian	OW	P
UTE TRIBAL 14-18-55	18	050S	050W	4301332984	15671	Indian	OW	P
UTE TRIBAL 14-24-56	24	050S	060W	4301332988	15740	Indian	OW	P
UTE TRIBAL 7-24-56	24	050S	060W	4301332989	15782	Indian	OW	P
UTE TRIBAL 11-25-56	25	050S	060W	4301332990	15627	Indian	OW	P
UTE TRIBAL 7-25-56	25	050S	060W	4301332991	15617	Indian	OW	P
UTE TRIBAL 5-25-56	25	050S	060W	4301332992	15648	Indian	OW	P
UTE TRIBAL 3-25-56	25	050S	060W	4301332993	15561	Indian	OW	P
UTE TRIBAL 13-15D-54	15	050S	040W	4301333039	15368	Indian	OW	P
UTE TRIBAL 16-28D-54	28	050S	040W	4301333041	15377	Indian	OW	P
UTE TRIBAL 14-31D-54	31	050S	040W	4301333042	15419	Indian	OW	P
UTE TRIBAL 4-22-55	22	050S	050W	4301333044	15381	Indian	OW	P
UTE TRIBAL 2-23-55	23	050S	050W	4301333045	15416	Indian	OW	P
UTE TRIBAL 16-23-55	23	050S	050W	4301333046	15211	Indian	OW	P
UTE TRIBAL 9-35-55	35	050S	050W	4301333047	15378	Indian	OW	P
UTE TRIBAL 7-35-55	35	050S	050W	4301333048	15367	Indian	OW	P
UTE TRIBAL 15-36-55	36	050S	050W	4301333049	15379	Indian	OW	P
UTE TRIBAL 10-12-55	12	050S	050W	4301333055	15618	Indian	OW	P
UTE TRIBAL 5-13-54	13	050S	040W	4301333075	15873	Indian	OW	P
UTE TRIBAL 16-29-54	29	050S	040W	4301333076	17074	Indian	OW	P
UTE TRIBAL 12-18-54	18	050S	040W	4301333077	15575	Indian	OW	P
UTE TRIBAL 8-33-54	33	050S	040W	4301333089	15398	Indian	OW	P
UTE TRIBAL 12-33-54	33	050S	040W	4301333090	15417	Indian	OW	P
UTE TRIBAL 16-33-54	33	050S	040W	4301333091	15397	Indian	OW	P
UTE TRIBAL 10-33-54	33	050S	040W	4301333092	15418	Indian	OW	P
UTE TRIBAL 14-33-54	33	050S	040W	4301333093	15399	Indian	OW	P
UTE TRIBAL 2-14-54	14	050S	040W	4301333111	16832	Indian	OW	P
UTE TRIBAL 14-14-54	14	050S	040W	4301333112	15440	Indian	OW	P
UTE TRIBAL 13-21-54	21	050S	040W	4301333113	15471	Indian	OW	P
UTE TRIBAL 11-21-54	21	050S	040W	4301333115	15470	Indian	OW	P
UTE TRIBAL 11-22-54	22	050S	040W	4301333116	15662	Indian	OW	P
UTE TRIBAL 2-21-55	21	050S	050W	4301333117	15582	Indian	OW	P
UTE TRIBAL 4-28-55	28	050S	050W	4301333118	15506	Indian	OW	P
UTE TRIBAL 8-29-55	29	050S	050W	4301333119	15507	Indian	OW	P
UTE TRIBAL 6-29-55	29	050S	050W	4301333120	15504	Indian	OW	P
TAYLOR FEE 13-22-56	22	050S	060W	4301333121	15525	Fee	OW	P
WILCOX ELIASON 7-15-56	15	050S	060W	4301333122	15526	Fee	OW	P
UTE TRIBAL 14-16-54	16	050S	040W	4301333123	15639	Indian	OW	P
UTE TRIBAL 1-16-54	16	050S	040W	4301333128	15420	Indian	OW	P
UTE TRIBAL 7-16-54	16	050S	040W	4301333130	15455	Indian	OW	P
UTE TRIBAL 12-16-54	16	050S	040W	4301333131	15456	Indian	OW	P

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UTE TRIBAL 16-17-54	17	050S	040W	4301333132	15524	Indian	OW	P
UTE TRIBAL 10-17-54	17	050S	040W	4301333133	15581	Indian	OW	P
UTE TRIBAL 12-24D-55	24	050S	050W	4301333134	15567	Indian	OW	P
WILCOX FEE 1-20-56	20	050S	060W	4301333150	15745	Fee	OW	P
WILCOX FEE 15-16-56	16	050S	060W	4301333151	15527	Fee	OW	P
NIELSEN FEE 13-11-56	11	050S	060W	4301333152	15600	Fee	OW	P
UTE TRIBAL 2-29-54	29	050S	040W	4301333153	15919	Indian	OW	P
UTE TRIBAL 14-29-54	29	050S	040W	4301333154	15831	Indian	OW	P
UTE TRIBAL 10-29-54	29	050S	040W	4301333155	15847	Indian	OW	P
UTE TRIBAL 10-24D-55	24	050S	050W	4301333156	15556	Indian	OW	P
UTE TRIBAL 10-29D-55	29	050S	050W	4301333157	15505	Indian	OW	P
UTE TRIBAL 6-29-54	29	050S	040W	4301333172	15846	Indian	OW	P
UTE TRIBAL 12Q-25-55	25	050S	050W	4301333184	15744	Indian	OW	P
UTE TRIBAL 3G-31-54	31	050S	040W	4301333185	15746	Indian	OW	P
UTE TRIBAL 11-36-55	36	050S	050W	4301333186	15865	Indian	OW	P
UTE TRIBAL 6-23D-55	23	050S	050W	4301333187	15996	Indian	OW	P
UTE TRIBAL 8-14-54	14	050S	040W	4301333204	15656	Indian	OW	P
UTE TRIBAL 10-14-54	14	050S	040W	4301333205	15680	Indian	OW	P
UTE TRIBAL 11-15-54	15	050S	040W	4301333206	15643	Indian	OW	P
UTE TRIBAL 9-16-54	16	050S	040W	4301333207	15660	Indian	OW	P
UTE TRIBAL 3-22-54	22	050S	040W	4301333208	15640	Indian	OW	P
UTE TRIBAL 15-13D-55	13	050S	050W	4301333212	15642	Indian	OW	P
UTE TRIBAL 6-22D-55	22	050S	050W	4301333213	16831	Indian	OW	P
UTE TRIBAL 11-36D-55	36	050S	050W	4301333214	15702	Indian	OW	P
UTE TRIBAL 1-22D-54	22	050S	040W	4301333215	15641	Indian	OW	P
BERRY TRIBAL 1-23-54	23	050S	040W	4301333216	15931	Indian	OW	P
BERRY TRIBAL 15-23-54	23	050S	040W	4301333217	15932	Indian	OW	P
UTE TRIBAL 9-36D-55	36	050S	050W	4301333239	15933	Indian	OW	P
UTE TRIBAL 12-32-55	32	050S	050W	4301333266	15681	Indian	OW	P
UTE TRIBAL 16-22D-55	22	050S	050W	4301333267	15703	Indian	OW	P
UTE TRIBAL 11-13-55	13	050S	050W	4301333268	15692	Indian	OW	P
UTE TRIBAL 7-14-55	14	050S	050W	4301333269	15693	Indian	OW	P
UTE TRIBAL 4-14D-54	14	050S	040W	4301333270	15679	Indian	OW	P
UTE TRIBAL 9S-19-54	19	050S	040W	4301333276	16153	Indian	OW	P
UTE TRIBAL 14Q-28-54	28	050S	040W	4301333277	15818	Indian	OW	P
UTE TRIBAL 14-28D-54	28	050S	040W	4301333278	15817	Indian	OW	P
UTE TRIBAL 1-14D-55	14	050S	050W	4301333279	18408	Indian	OW	P
UTE TRIBAL 10-18-54	18	050S	040W	4301333300	15747	Indian	OW	P
UTE TRIBAL 5-21-54	21	050S	040W	4301333324	15748	Indian	OW	P
UTE TRIBAL 6-31D-54	31	050S	040W	4301333325	16185	Indian	OW	P
UTE TRIBAL 16-31D-54	31	050S	040W	4301333326	15800	Indian	OW	P
UTE TRIBAL 16-13D-55	13	050S	050W	4301333327	15891	Indian	OW	P
UTE TRIBAL 9-13D-55	13	050S	050W	4301333328	15892	Indian	OW	P
UTE TRIBAL 15-21-55	21	050S	050W	4301333357	15791	Indian	OW	P
UTE TRIBAL 10-23D-55	23	050S	050W	4301333358	15799	Indian	OW	P
UTE TRIBAL 9-26D-55	26	050S	050W	4301333359	15853	Indian	OW	P
UTE TRIBAL 10-26D-55	26	050S	050W	4301333360	15852	Indian	OW	P
UTE TRIBAL 14-26D-55	26	050S	050W	4301333361	15938	Indian	OW	P
UTE TRIBAL 15-26D-55	26	050S	050W	4301333362	15869	Indian	OW	P
UTE TRIBAL 3-32D-55	32	050S	050W	4301333363	15936	Indian	OW	P
UTE TRIBAL 13-14-54	14	050S	040W	4301333364	15790	Indian	OW	P
MOON TRIBAL 7-27D-54	27	050S	040W	4301333365	15935	Indian	OW	P
14-11-56 DLB	11	050S	060W	4301333378	15801	Fee	OW	P
UTE TRIBAL 4-32-55	32	050S	050W	4301333379	15819	Indian	OW	P
UTE TRIBAL 13H-16-55	16	050S	050W	4301333380	18357	Indian	OW	P
BERRY TRIBAL 7-23-54	23	050S	040W	4301333381	15934	Indian	OW	P
BERRY TRIBAL 9-34-54	34	050S	040W	4301333382	16024	Indian	OW	P
BERRY TRIBAL 7-34-54	34	050S	040W	4301333383	16102	Indian	OW	P
BERRY TRIBAL 4-34-54	34	050S	040W	4301333384	16588	Indian	OW	P
FEDERAL 2-2-65	2	060S	050W	4301333385	16150	Federal	OW	P
FEDERAL 10-3-65	3	060S	050W	4301333386	16297	Federal	OW	P
FEDERAL 5-4-65	4	060S	050W	4301333387	17599	Federal	OW	P
UTE TRIBAL 1A-29-54	29	050S	040W	4301333393	17075	Indian	OW	P
BERRY TRIBAL 15-34-54	34	050S	040W	4301333411	16037	Indian	OW	P
BERRY TRIBAL 8-23D-54	23	050S	040W	4301333417	16101	Indian	OW	P
UTE TRIBAL 12-29D-55	29	050S	050W	4301333418	17307	Indian	OW	P

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UTE TRIBAL 8-24-55	24	050S	050W	4301333420	15997	Indian	OW	P
UTE TRIBAL 5-25D-55	25	050S	050W	4301333421	16589	Indian	OW	P
BERRY TRIBAL 10-34D-54	34	050S	040W	4301333422	16038	Indian	OW	P
1-15-56 DLB	15	050S	060W	4301333447	15854	Fee	OW	P
FEDERAL 5-3-64	3	060S	040W	4301333448	16098	Federal	OW	P
FEDERAL 8-1-64	1	060S	040W	4301333449	16152	Federal	OW	P
FEDERAL 5-4-64	4	060S	040W	4301333450	17851	Federal	OW	P
FEDERAL 11-10-65	10	060S	050W	4301333451	16281	Federal	OW	P
BERRY TRIBAL 16-34D-54	34	050S	040W	4301333464	16280	Indian	OW	P
BERRY TRIBAL 9-23-54	23	050S	040W	4301333465	16590	Indian	OW	P
UTE TRIBAL 6-26D-55	26	050S	050W	4301333476	16657	Indian	OW	P
UTE TRIBAL 7-26D-55	26	050S	050W	4301333477	16658	Indian	OW	P
UTE TRIBAL 11-26D-55	26	050S	050W	4301333478	16659	Indian	OW	P
UTE TRIBAL 14Q-30-54	30	050S	040W	4301333479	16151	Indian	OW	P
FEDERAL 5-6-65	6	060S	050W	4301333489	17852	Federal	OW	P
FEDERAL 16-5-65	5	060S	050W	4301333490	16833	Federal	OW	P
FEDERAL 6-11-65	11	060S	050W	4301333491	16335	Federal	OW	P
LC TRIBAL 14-2-56	2	050S	060W	4301333492	18358	Indian	OW	P
UTE TRIBAL 1-31-55	31	050S	050W	4301333501	17104	Indian	OW	P
UTE TRIBAL 9-31-55	31	050S	050W	4301333508	17103	Indian	OW	P
BERRY TRIBAL 11-34D-54	34	050S	040W	4301333529	16099	Indian	OW	P
LC TRIBAL 2-16D-56	16	050S	060W	4301333538	17305	Indian	OW	P
LC TRIBAL 4-16-56	16	050S	060W	4301333539	16272	Indian	OW	P
LC TRIBAL 3-17-56	17	050S	060W	4301333541	16459	Indian	OW	P
FEDERAL 10-2-65	2	060S	050W	4301333542	16181	Federal	OW	P
UTE TRIBAL 4-20D-55	20	050S	050W	4301333549	18075	Indian	OW	P
UTE TRIBAL 8-23D-55	23	050S	050W	4301333552	16662	Indian	OW	P
LC TRIBAL 8-28-46	28	040S	060W	4301333576	16155	Indian	OW	P
LC TRIBAL 7-3-56	3	050S	060W	4301333577	16379	Indian	OW	P
LC TRIBAL 3-5-56	5	050S	060W	4301333580	17082	Indian	OW	P
FEDERAL 8-2D-64	2	060S	040W	4301333581	16100	Federal	OW	P
LC TRIBAL 13H-3-56	3	050S	060W	4301333591	18129	Indian	OW	P
LC FEE 6-12-57	12	050S	070W	4301333593	17083	Fee	OW	P
UTE TRIBAL 4-26D-54	26	050S	040W	4301333595	16591	Indian	OW	P
LC TRIBAL 8-4-56	4	050S	060W	4301333605	17046	Indian	OW	P
LC TRIBAL 12H-6-56	6	050S	060W	4301333606	18037	Indian	OW	P
LC TRIBAL 7-7D-56	7	050S	060W	4301333607	18038	Indian	OW	P
LC TRIBAL 1-9-56	9	050S	060W	4301333608	16380	Indian	OW	P
UTE TRIBAL 5-14-54	14	050S	040W	4301333619	16945	Indian	OW	P
UTE TRIBAL 10-26D-54	26	050S	040W	4301333620	16663	Indian	OW	P
UTE TRIBAL 7-26D-54	26	050S	040W	4301333621	16664	Indian	OW	P
UTE TRIBAL 13-36D-55	36	050S	050W	4301333624	17744	Indian	OW	P
UTE TRIBAL 6-26D-54	26	050S	040W	4301333625	16619	Indian	OW	P
UTE TRIBAL 1-22D-55	22	050S	050W	4301333626	16777	Indian	OW	P
UTE TRIBAL 4-23D-55	23	050S	050W	4301333627	16818	Indian	OW	P
UTE TRIBAL 2-27D-55	27	050S	050W	4301333628	16746	Indian	OW	P
UTE TRIBAL 12-28D-55	28	050S	050W	4301333645	17999	Indian	OW	P
UTE TRIBAL 13-28D-55	28	050S	050W	4301333646	18000	Indian	OW	P
UTE TRIBAL 14-26D-54	26	050S	040W	4301333673	16299	Indian	OW	P
UTE FEE 7-13D-55	13	050S	050W	4301333674	18089	Fee	OW	P
UTE TRIBAL 9-20D-55	20	050S	050W	4301333675	17309	Indian	OW	P
LC TRIBAL 11-17-56	17	050S	060W	4301333677	17600	Indian	OW	P
UTE TRIBAL 1-26D-54	26	050S	040W	4301333680	16638	Indian	OW	P
UTE TRIBAL 3-26D-54	26	050S	040W	4301333681	16665	Indian	OW	P
UTE TRIBAL 8-26D-54	26	050S	040W	4301333682	17031	Indian	OW	P
UTE TRIBAL 10-27D-55	27	050S	050W	4301333683	16666	Indian	OW	P
UTE TRIBAL 14-27D-55	27	050S	050W	4301333684	16667	Indian	OW	P
UTE TRIBAL 12-21D-55	21	050S	050W	4301333694	16296	Indian	OW	P
UTE TRIBAL 5-21D-55	21	050S	050W	4301333706	16298	Indian	OW	P
UTE TRIBAL 2-29D-55	29	050S	050W	4301333714	16854	Indian	OW	P
UTE TRIBAL 7-29D-55	29	050S	050W	4301333715	16853	Indian	OW	P
UTE TRIBAL 13-22D-55	22	050S	050W	4301333716	16668	Indian	OW	P
UTE TRIBAL 14-22D-55	22	050S	050W	4301333717	16669	Indian	OW	P
UTE FEE 2-13-55	13	050S	050W	4301333720	18659	Indian	OW	P
UTE TRIBAL 7-22D-55	22	050S	050W	4301333721	16670	Indian	OW	P
UTE TRIBAL 10-22D-55	22	050S	050W	4301333722	16671	Indian	OW	P

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UTE TRIBAL 3-29-55	29	050S	050W	4301333723	16857	Indian	OW	P
BERRY TRIBAL 10-23D-54	23	050S	040W	4301333724	16592	Indian	OW	P
BERRY TRIBAL 11-23D-54	23	050S	040W	4301333725	16672	Indian	OW	P
UTE TRIBAL 4-24D-55	24	050S	050W	4301333726	16673	Indian	OW	P
FEDERAL 6-6D-64	6	060S	040W	4301333745	17084	Federal	OW	P
UTE TRIBAL 15-26D-54	26	050S	040W	4301333768	17450	Indian	OW	P
UTE TRIBAL 1-14D-54	14	050S	040W	4301333769	17483	Indian	OW	P
UTE TRIBAL 12-35D-55	35	050S	050W	4301333782	16856	Indian	OW	P
UTE TRIBAL 11-35-55	35	050S	050W	4301333783	16855	Indian	OW	P
UTE TRIBAL 1-28D-55	28	050S	050W	4301333784	16852	Indian	OW	P
UTE TRIBAL 16-27D-55	27	050S	050W	4301333786	17800	Indian	OW	P
UTE TRIBAL 9-28D-55	28	050S	050W	4301333787	16887	Indian	OW	P
UTE TRIBAL 7-28D-55	28	050S	050W	4301333788	16886	Indian	OW	P
UTE TRIBAL 11-32D-54	32	050S	040W	4301333793	17003	Indian	OW	P
UTE TRIBAL 9-14D-54	14	050S	040W	4301333796	17482	Indian	OW	P
UTE TRIBAL 4-27D-55	27	050S	050W	4301333797	16700	Indian	OW	P
FOY TRIBAL 12H-33-55	33	050S	050W	4301333799	18232	Indian	OW	P
UTE TRIBAL 9-32D-55	32	050S	050W	4301333800	18361	Indian	OW	P
UTE TRIBAL 12-26D-54	26	050S	040W	4301333801	16639	Indian	OW	P
UTE TRIBAL 8-26D-55	26	050S	050W	4301333859	17859	Indian	OW	P
BERRY TRIBAL 2-34D-54	34	050S	040W	4301333867	17889	Indian	OW	P
UTE TRIBAL 3-35D-55	35	050S	050W	4301333888	17421	Indian	OW	P
UTE TRIBAL 10-32-54	32	050S	040W	4301333902	16819	Indian	OW	P
UTE TRIBAL 12-31D-54	31	050S	040W	4301333907	17480	Indian	OW	P
UTE TRIBAL 12-23D-55	23	050S	050W	4301333908	17814	Indian	OW	P
UTE TRIBAL 14-20D-55	20	050S	050W	4301333909	18559	Indian	OW	P
UTE TRIBAL 6-20D-55	20	050S	050W	4301333910	18481	Indian	OW	P
UTE TRIBAL 12-20-55	20	050S	050W	4301333911	18520	Indian	OW	P
UTE TRIBAL 14-24D-55	24	050S	050W	4301333912	16943	Indian	OW	P
UTE TRIBAL 14-23D-55	23	050S	050W	4301333915	17457	Indian	OW	P
ST TRIBAL 1-15D-54	15	050S	040W	4301333916	16889	Indian	OW	P
ST TRIBAL 7-15D-54	15	050S	040W	4301333950	16972	Indian	OW	P
ST TRIBAL 9-15D-54	15	050S	040W	4301333951	16973	Indian	OW	P
UTE TRIBAL 15-35D-55	35	050S	050W	4301333954	17417	Indian	OW	P
UTE TRIBAL 14-35D-55	35	050S	050W	4301333955	17416	Indian	OW	P
UTE TRIBAL 16-26D-55	26	050S	050W	4301333965	17418	Indian	OW	P
FEDERAL 1-2D-65	2	060S	050W	4301333966	16888	Federal	OW	P
UTE TRIBAL 1-35D-55	35	050S	050W	4301333967	17420	Indian	OW	P
UTE TRIBAL 10-36D-55	36	050S	050W	4301333968	17743	Indian	OW	P
UTE TRIBAL 4-26D-55	26	050S	050W	4301333978	17455	Indian	OW	P
UTE TRIBAL 2-26D-55	26	050S	050W	4301333979	17456	Indian	OW	P
BERRY TRIBAL 14-23D-54	23	050S	040W	4301333989	17903	Indian	OW	P
FEDERAL 3-2D-65	2	060S	050W	4301334001	16944	Federal	OW	P
UTE TRIBAL 13-26D-55	26	050S	050W	4301334002	17481	Indian	OW	P
FEDERAL 7-1D-65	1	060S	050W	4301334015	17775	Federal	OW	P
FEDERAL 2-2D-64	2	060S	040W	4301334018	17086	Federal	OW	P
FEDERAL 7-6D-64	6	060S	040W	4301334020	17085	Federal	OW	P
UTE TRIBAL 6-35D-55	35	050S	050W	4301334028	17785	Indian	OW	P
UTE TRIBAL 16-26-54	26	050S	040W	4301334042	17413	Indian	OW	P
BERRY TRIBAL 13-23-54	23	050S	040W	4301334043	17100	Indian	OW	P
UTE TRIBAL 11-28-55	28	050S	050W	4301334057	18001	Indian	OW	P
UTE TRIBAL 8-27D-55	27	050S	050W	4301334058	17842	Indian	OW	P
ST TRIBAL 3-15D-54	15	050S	040W	4301334059	17477	Indian	OW	P
ST TRIBAL 5-15D-54	15	050S	040W	4301334060	17479	Indian	OW	P
FEDERAL 7-11D-65	11	060S	050W	4301334061	17776	Federal	OW	P
FEDERAL 7-3D-65	3	060S	050W	4301334065	17124	Federal	OW	P
MOON TRIBAL 16-27D-54	27	050S	040W	4301334109	17414	Indian	OW	P
UTE TRIBAL 15-22D-54	22	050S	040W	4301334116	17415	Indian	OW	P
UTE TRIBAL 13-35D-55	35	050S	050W	4301334117	18442	Indian	OW	P
UTE TRIBAL 12-26D-55	26	050S	050W	4301334118	17786	Indian	OW	P
LC TRIBAL 13-16D-56	16	050S	060W	4301334282	17601	Indian	OW	P
FEDERAL 11-6D-64	6	060S	040W	4301334284	17615	Federal	OW	P
FEDERAL 14-6D-64	6	060S	040W	4301334285	17616	Federal	OW	P
FEDERAL 2-6D-64	6	060S	040W	4301334286	17663	Federal	OW	P
FEDERAL 3-5D-64	5	060S	040W	4301334287	17617	Federal	OW	P
FEDERAL 6-5D-64	5	060S	040W	4301334288	17649	Federal	OW	P

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SFW TRIBAL 10-10D-54	10	050S	040W	4301334295	17564	Indian	OW	P
SFW TRIBAL 9-10D-54	10	050S	040W	4301334296	17565	Indian	OW	P
STATE TRIBAL 16-10-54	10	050S	040W	4301350245	17553	Indian	OW	P
UTE TRIBAL 6-14D-55	14	050S	050W	4301350246	17602	Indian	OW	P
SFW FEE 15-10-54	10	050S	040W	4301350247	17566	Fee	OW	P
FEDERAL 5-5D-64	5	060S	040W	4301350259	17648	Federal	OW	P
LC TRIBAL 6-22D-56	22	050S	060W	4301350260	17567	Indian	OW	P
FEDERAL 12-6D-64	6	060S	040W	4301350261	17618	Federal	OW	P
LC TRIBAL 4-27D-56	27	050S	060W	4301350262	17568	Indian	OW	P
FEDERAL 4-5D-64	5	060S	040W	4301350263	17661	Federal	OW	P
FEDERAL 1-6-64	6	060S	040W	4301350266	17662	Federal	OW	P
FEDERAL 4-6D-64	6	060S	040W	4301350267	17651	Federal	OW	P
FEDERAL 3-6D-64	6	060S	040W	4301350268	17650	Federal	OW	P
FEDERAL 5-6D-64	6	060S	040W	4301350269	17652	Federal	OW	P
FEDERAL 8-6D-64	6	060S	040W	4301350325	17664	Federal	OW	P
FEDERAL 10-1D-65	1	060S	050W	4301350326	18027	Federal	OW	P
FEDERAL 11-1D-65	1	060S	050W	4301350327	18039	Federal	OW	P
FEDERAL 12-1D-65	1	060S	050W	4301350328	18040	Federal	OW	P
FEDERAL 13-1D-65	1	060S	050W	4301350329	18042	Federal	OW	P
FEDERAL 14-1D-65	1	060S	050W	4301350330	18041	Federal	OW	P
FEDERAL 13-5D-64	5	060S	040W	4301350337	17714	Federal	OW	P
FEDERAL 14-5D-64	5	060S	040W	4301350338	17715	Federal	OW	P
FEDERAL 9-1D-65	1	060S	050W	4301350342	18026	Federal	OW	P
FEDERAL 13-6D-64	6	060S	040W	4301350347	17619	Federal	OW	P
FEDERAL 11-5D-64	5	060S	040W	4301350348	17690	Federal	OW	P
FEDERAL 12-5D-64	5	060S	040W	4301350349	17713	Federal	OW	P
FEDERAL 8-1D-65	1	060S	050W	4301350350	18025	Federal	OW	P
UTE TRIBAL 3-14D-54	14	050S	040W	4301350389	17904	Indian	OW	P
UTE TRIBAL 1-34D-55	34	050S	050W	4301350408	17931	Indian	OW	P
UTE TRIBAL 7-14-54	14	050S	040W	4301350409	17924	Indian	OW	P
UTE TRIBAL 8-21D-55	21	050S	050W	4301350435	17963	Indian	OW	P
UTE TRIBAL 8-34D-55	34	050S	050W	4301350436	17952	Indian	OW	P
UTE TRIBAL 5-16D-54	16	050S	040W	4301350475	17991	Indian	OW	P
UTE TRIBAL 12-14D-55	14	050S	050W	4301350476	17973	Indian	OW	P
UTE TRIBAL 8-15D-55	15	050S	050W	4301350477	17974	Indian	OW	P
UTE TRIBAL 3-14-55	14	050S	050W	4301350478	18002	Indian	OW	P
UTE TRIBAL 5-14-55	14	050S	050W	4301350479	18021	Indian	OW	P
UTE TRIBAL 8-10D-54	10	050S	040W	4301350488	18099	Indian	OW	P
UTE TRIBAL 7-34-55	34	050S	050W	4301350510	17949	Indian	OW	P
FEDERAL 4-4D-65	4	060S	050W	4301350521	18557	Federal	OW	P
FEDERAL 6-3D-64	3	060S	040W	4301350522	18073	Federal	OW	P
FEDERAL 1-1D-64	1	060S	040W	4301350524	18088	Federal	OW	P
FEDERAL 7-2D-65	2	060S	050W	4301350525	18100	Federal	OW	P
BERRY TRIBAL 12-34D-54	34	050S	040W	4301350527	17998	Indian	OW	P
FEDERAL 15-5D-65	5	060S	050W	4301350553	18537	Federal	OW	P
FEDERAL 11-4D-64	4	060S	040W	4301350565	18043	Federal	OW	P
FEDERAL 6-6D-65	6	060S	050W	4301350566	18521	Federal	OW	P
LC TRIBAL 3-15D-56	15	050S	060W	4301350598	18097	Indian	OW	P
LC TRIBAL 8-16D-56	16	050S	060W	4301350599	18161	Indian	OW	P
LC FEE 16-16D-56	16	050S	060W	4301350601	18165	Fee	OW	P
LC TRIBAL 10-16D-56	16	050S	060W	4301350602	18586	Indian	OW	P
LC TRIBAL 15-22D-56	22	050S	060W	4301350606	18278	Indian	OW	P
LC TRIBAL 5-23D-56	23	050S	060W	4301350625	18285	Indian	OW	P
LC TRIBAL 5-14D-56	14	050S	060W	4301350661	18219	Indian	OW	P
SFW FEE 14-10D-54	10	050S	040W	4301350686	18070	Fee	OW	P
LC FEE 1-22D-56	22	050S	060W	4301350718	18101	Fee	OW	P
FEDERAL 8-2D-65	2	060S	050W	4301350719	18614	Federal	OW	P
FEDERAL 1-2D-64	2	060S	040W	4301350730	18585	Federal	OW	P
FEDERAL 7-2D-64	2	060S	040W	4301350734	18584	Federal	OW	P
FEDERAL 10-6D-64	6	060S	040W	4301350735	18162	Federal	OW	P
FEDERAL 4-3D-64	3	060S	040W	4301350736	18621	Federal	OW	P
FEDERAL 12-3D-64	3	060S	040W	4301350737	18620	Federal	OW	P
LC TRIBAL 3-21D-56	21	050S	060W	4301350751	18462	Indian	OW	P
LC TRIBAL 5-21D-56	21	050S	060W	4301350752	18286	Indian	OW	P
FEDERAL 2-1D-65	1	060S	050W	4301350759	18172	Federal	OW	P
FEDERAL 3-1D-65	1	060S	050W	4301350760	18173	Federal	OW	P

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FEDERAL 5-1D-65	1	060S	050W	4301350761	18174	Federal	OW	P	
FEDERAL 9-2D-65	2	060S	050W	4301350762	18245	Federal	OW	P	
FEDERAL 11-2D-65	2	060S	050W	4301350763	18589	Federal	OW	P	
FEDERAL 15-2D-65	2	060S	050W	4301350764	18590	Federal	OW	P	
LC TRIBAL 14-14D-56	14	050S	060W	4301350776	18287	Indian	OW	P	
LC FEE 2-20D-56	20	050S	060W	4301350777	18622	Fee	OW	P	
LC TRIBAL 12-22D-56	22	050S	060W	4301350780	18341	Indian	OW	P	
FEDERAL 3-4D-65	4	060S	050W	4301350782	18556	Federal	OW	P	
FEDERAL 6-4D-65	4	060S	050W	4301350783	19162	Federal	OW	P	
FEDERAL 12-4D-65	4	060S	050W	4301350784	19171	Federal	OW	P	
LC TRIBAL 14-15D-56	15	050S	060W	4301350834	18362	Indian	OW	P	
UTE TRIBAL 7I-21D-54	21	050S	040W	4301350852	18423	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 8L-21D-54	21	050S	040W	4301350853	18423	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 10S-21D-54	21	050S	040W	4301350854	18423	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 11-11-54	11	050S	040W	4301350861	18775	Indian	OW	P	
LC TRIBAL 2-28D-56	28	050S	060W	4301350866	18592	Indian	OW	P	
LC FEE 8-28D-56	28	050S	060W	4301350867	18342	Fee	OW	P	
LC TRIBAL 6-27D-56	27	050S	060W	4301350868	18480	Indian	OW	P	
LC FEE 15-23D-56	23	050S	060W	4301350870	18410	Fee	OW	P	
LC TRIBAL 15-26-56	26	050S	060W	4301350871	18377	Indian	OW	P	
UTE TRIBAL 16-11-55	11	050S	050W	4301350888	18707	Indian	OW	P	
LC TRIBAL 2-5D-56	5	050S	060W	4301350925	18568	Indian	OW	P	
LC TRIBAL 2-9D-56	9	050S	060W	4301350926	18425	Indian	OW	P	
LC FEE 8-29-45	29	040S	050W	4301350928	18313	Fee	OW	P	
LC FEE 13-29-45	29	040S	050W	4301350929	18426	Fee	OW	P	
LC FEE 9-12D-57	12	050S	070W	4301350963	18541	Fee	OW	P	
LC FEE 1-22-57	22	050S	070W	4301350965	18558	Fee	OW	P	
LC TRIBAL 11-3D-56	3	050S	060W	4301350966	18464	Indian	OW	P	
LC TRIBAL 3-34-45	34	040S	050W	4301350976	18661	Indian	OW	P	
LC TRIBAL 9-10D-56	10	050S	060W	4301350987	18944	Indian	OW	P	
LC TRIBAL 10-9D-56	9	050S	060W	4301350990	18864	Indian	OW	P	
LC FEE 10-31D-45	31	040S	050W	4301350994	18443	Fee	OW	P	
VIEIRA TRIBAL 4-4-54	4	050S	040W	4301350997	18747	Indian	OW	P	
LC TRIBAL 10-21-56	21	050S	060W	4301350999	18439	Indian	OW	P	
FEDERAL 1-5D-64	5	060S	040W	4301351012	18720	Federal	OW	P	
FEDERAL 2-5D-64	5	060S	040W	4301351013	18723	Federal	OW	P	
FEDERAL 7-5D-64	5	060S	040W	4301351014	18722	Federal	OW	P	
FEDERAL 8-5D-64	5	060S	040W	4301351015	18721	Federal	OW	P	
MYRIN TRIBAL 15-10-55	10	050S	050W	4301351024	18771	Indian	OW	P	
LC TRIBAL 15-15D-56	15	050S	060W	4301351030	18440	Indian	OW	P	
LC TRIBAL 9-15D-56	15	050S	060W	4301351031	18441	Indian	OW	P	
LC TRIBAL 6-28-45	28	040S	050W	4301351034	18700	Indian	OW	P	
FEDERAL 1-12D-65	12	060S	050W	4301351055	18739	Federal	OW	P	
FEDERAL 8-12D-65	12	060S	050W	4301351056	18718	Federal	OW	P	
FEDERAL 2-12D-65	12	060S	050W	4301351057	18738	Federal	OW	P	
LC TRIBAL 15-8D-56	8	050S	060W	4301351060	18862	Indian	OW	P	
LC TRIBAL 8-22D-56	22	050S	060W	4301351069	19233	Indian	OW	P	
LC TRIBAL 9-17D-56	17	050S	060W	4301351070	18945	Indian	OW	P	
LC TRIBAL 7-27-45	27	040S	050W	4301351073	18685	Indian	OW	P	
LC TRIBAL 11-24-45	24	040S	050W	4301351076	18745	Indian	OW	P	
FEDERAL 3-12D-65	12	060S	050W	4301351093	18705	Federal	OW	P	
FEDERAL 4-12D-65	12	060S	050W	4301351094	18704	Federal	OW	P	
FEDERAL 5-12D-65	12	060S	050W	4301351095	18702	Federal	OW	P	
FEDERAL 6-12D-65	12	060S	050W	4301351096	18703	Federal	OW	P	
LC TRIBAL 9-8D-56	8	050S	060W	4301351112	18522	Indian	OW	P	
UTE TRIBAL 4-9-54	9	050S	040W	4301351126	19059	Indian	OW	P	
UTE TRIBAL 6-9-54	9	050S	040W	4301351127	19017	Indian	OW	P	
UTE TRIBAL 2-9-54	9	050S	040W	4301351128	18946	Indian	OW	P	
UTE TRIBAL 1-10-54	10	050S	040W	4301351129	18879	Indian	OW	P	
LC TRIBAL 8-30D-56	30	050S	060W	4301351131	18539	Indian	OW	P	
LC TRIBAL 16-30D-56	30	050S	060W	4301351132	18540	Indian	OW	P	
FEDERAL 1-1D-65	1	060S	050W	4301351142	18623	Federal	OW	P	
UTE TRIBAL 8-9-54	9	050S	040W	4301351143	18947	Indian	OW	P	
FEDERAL 15-1D-65	1	060S	050W	4301351175	18654	Federal	OW	P	
FEDERAL 16-1D-65	1	060S	050W	4301351176	18655	Federal	OW	P	
LC TRIBAL 11-29D-56	29	050S	060W	4301351183	18873	Indian	OW	P	

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STATE TRIBAL 8-12-55	12	050S	050W	4301351188	18986	Indian	OW	P
LC TRIBAL 11-20D-56	20	050S	060W	4301351189	18819	Indian	OW	P
LC FEE 5-20D-56	20	050S	060W	4301351190	18818	Fee	OW	P
LC FEE 9-19-56	19	050S	060W	4301351192	18596	Fee	OW	P
LC TRIBAL 9-9D-56	9	050S	060W	4301351198	18595	Indian	OW	P
FEDERAL 16-6-64	6	060S	040W	4301351217	18792	Federal	OW	P
FEDERAL 9-6D-64	6	060S	040W	4301351218	18791	Federal	OW	P
UTE TRIBAL 5-17-55	17	050S	050W	4301351220	18841	Indian	OW	P
UTE TRIBAL 16-3-54	3	050S	040W	4301351226	18664	Indian	OW	P
STATE TRIBAL 15-6-54	6	050S	040W	4301351227	18746	Indian	OW	P
STATE TRIBAL 8-7-54	7	050S	040W	4301351228	18743	Indian	OW	P
STATE TRIBAL 12-1-55	1	050S	050W	4301351229	18741	Indian	OW	P
STATE TRIBAL 11-2-55	2	050S	050W	4301351230	18742	Indian	OW	P
FEDERAL 1-11-65	11	060S	050W	4301351231	18689	Federal	OW	P
FEDERAL 8-11D-65	11	060S	050W	4301351232	18688	Federal	OW	P
FEDERAL 2-11D-65	11	060S	050W	4301351233	18690	Federal	OW	P
STATE TRIBAL 12-3-55	3	050S	050W	4301351236	18744	Indian	OW	P
UTE TRIBAL 11-4-55	4	050S	050W	4301351237	18663	Indian	OW	P
UTE TRIBAL 4-9-55	9	050S	050W	4301351238	18796	Indian	OW	P
UTE TRIBAL 15-5-55	5	050S	050W	4301351239	18740	Indian	OW	P
UTE FEE 9-9-54	9	050S	040W	4301351259	18642	Fee	OW	P
LC TRIBAL 4-29-45	29	040S	050W	4301351260	18719	Indian	OW	P
UTE FEE 14-9D-54	9	050S	040W	4301351271	18684	Fee	OW	P
UTE FEE 15-9D-54	9	050S	040W	4301351272	18687	Fee	OW	P
LC FEE 10-28D-56	28	050S	060W	4301351288	18591	Fee	OW	P
UTE TRIBAL 8-16D-54	16	050S	040W	4301351295	19003	Indian	OW	P
FEE TRIBAL 4-5-54	5	050S	040W	4301351303	19187	Indian	OW	P
LC TRIBAL 1-26-56	26	050S	060W	4301351306	18816	Indian	OW	P
UTE TRIBAL 6-16D-54	16	050S	040W	4301351307	19060	Indian	OW	P
LC TRIBAL 7-22D-56	22	050S	060W	4301351308	18795	Indian	OW	P
LC TRIBAL 9-22D-56	22	050S	060W	4301351309	18794	Indian	OW	P
LC TRIBAL 9-32D-56	32	050S	060W	4301351316	19228	Indian	OW	P
LC TRIBAL 7-26D-56	26	050S	060W	4301351319	18817	Indian	OW	P
LC FEE 8-6D-56	6	050S	060W	4301351342	18657	Fee	OW	P
LC FEE 10-29D-45	29	040S	050W	4301351343	18850	Fee	OW	P
LC TRIBAL 1-7D-56	7	050S	060W	4301351344	18774	Indian	OW	P
LC TRIBAL 9-7D-56	7	050S	060W	4301351346	18773	Indian	OW	P
LC TRIBAL 11-10D-56	10	050S	060W	4301351369	18840	Indian	OW	P
LC FEE 1-31D-45	31	040S	050W	4301351371	18686	Fee	OW	P
LC TRIBAL 14-21D-56	21	050S	060W	4301351384	18877	Indian	OW	P
LC TRIBAL 4-22D-56	22	050S	060W	4301351385	18878	Indian	OW	P
LC TRIBAL 8-21D-56	21	050S	060W	4301351392	18874	Indian	OW	P
UTE TRIBAL 1-17-55	17	050S	050W	4301351393	18848	Indian	OW	P
LC TRIBAL 4-33D-45	33	040S	050W	4301351401	18853	Indian	OW	P
LC TRIBAL 16-21D-56	21	050S	060W	4301351407	18875	Indian	OW	P
UTE TRIBAL 2-10D-54	10	050S	040W	4301351411	19172	Indian	OW	P
UTE TRIBAL 4-10D-54	10	050S	040W	4301351414	19069	Indian	OW	P
LC TRIBAL 2-21D-56	16	050S	060W	4301351418	19252	Indian	OW	P
LC TRIBAL 1-23D-45	23	040S	050W	4301351425	18855	Indian	OW	P
LC TRIBAL 2-28D-45	28	040S	050W	4301351429	18701	Indian	OW	P
LC TRIBAL 9-28D-45	28	040S	050W	4301351430	18656	Indian	OW	P
LC TRIBAL 1-29-56	29	050S	060W	4301351442	18876	Indian	OW	P
LC FEE 1-1-56	1	050S	060W	4301351458	18829	Fee	OW	P
LC Tribal 12-32-45	32	040S	050W	4301351465	18772	Indian	OW	P
UTE TRIBAL 2-5-54	5	050S	040W	4301351520	18880	Indian	OW	P
LC Tribal 3-32D-45	32	040S	050W	4301351561	18842	Indian	OW	P
LC TRIBAL 5-15D-56	15	050S	060W	4301351562	19253	Indian	OW	P
LC FEE 16-36-56	36	050S	060W	4301351611	19096	Fee	OW	P
LC TRIBAL 15-34-56	34	050S	060W	4301351647	18962	Indian	OW	P
LC TRIBAL 1-34D-56	34	050S	060W	4301351660	18988	Indian	OW	P
LC FEE 13-23-56	23	050S	060W	4301351706	18994	Fee	OW	P
LC FEE 11-23D-56	23	050S	060W	4301351707	18995	Fee	OW	P
LC TRIBAL 3-33-56	33	050S	060W	4301351711	19242	Indian	OW	P
LC FEE 11-29D-45	29	040S	050W	4301351743	19188	Fee	OW	P
LC FEE 4-28D-45	29	040S	050W	4301351745	18849	Fee	OW	P
CC Fee 7R-28-38	28	030S	080W	4301351852	18863	Fee	OW	P

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FEDERAL 6-7-64	7	060S	040W	4301351915	19117	Federal	OW	P
FEDERAL 3-7D-64	7	060S	040W	4301351916	19115	Federal	OW	P
FEDERAL 4-7D-64	7	060S	040W	4301351917	19110	Federal	OW	P
FEDERAL 5-7D-64	7	060S	040W	4301351918	19111	Federal	OW	P
FEDERAL 2-7-64	7	060S	040W	4301351919	19139	Federal	OW	P
FEDERAL 1-7D-64	7	060S	040W	4301351920	19140	Federal	OW	P
FEDERAL 12-7D-64	7	060S	040W	4301351924	19025	Federal	OW	P
FEDERAL 11-7D-64	7	060S	040W	4301351925	19039	Federal	OW	P
FEDERAL 13-7D-64	7	060S	040W	4301351926	19026	Federal	OW	P
FEDERAL 14-7D-64	7	060S	040W	4301351927	19040	Federal	OW	P
FEDERAL 7-7D-64	7	060S	040W	4301351933	19141	Federal	OW	P
FEDERAL 8-7D-64	7	060S	040W	4301351934	19142	Federal	OW	P
FEDERAL 9-7D-64	7	060S	040W	4301351935	19143	Federal	OW	P
FEDERAL 10-7D-64	7	060S	040W	4301351936	19144	Federal	OW	P
ABBOTT FEE 2-6D-54	6	050S	040W	4301351949	18974	Fee	OW	P
ABBOTT FEE 8-6D-54	6	050S	040W	4301351950	18964	Fee	OW	P
ABBOTT FEE 4-6-54	6	050S	040W	4301351952	18965	Fee	OW	P
Federal 15-12D-65	12	060S	050W	4301351992	19051	Federal	OW	P
Federal 10-12D-65	12	060S	050W	4301351999	19052	Federal	OW	P
Federal 9-12D-65	12	060S	050W	4301352000	19053	Federal	OW	P
Federal 16-12D-65	12	060S	050W	4301352003	19054	Federal	OW	P
Federal 1-6D-65	6	060S	050W	4301352012	19189	Federal	OW	P
Federal 3-6D-65	6	060S	050W	4301352014	19190	Federal	OW	P
Federal 2-6-65	6	060S	050W	4301352017	19191	Federal	OW	P
Federal 7-6D-65	6	060S	050W	4301352018	19192	Federal	OW	P
Federal 16-11D-65	11	060S	050W	4301352045	19070	Federal	OW	P
Federal 15-11D-65	11	060S	050W	4301352046	19076	Federal	OW	P
Federal 10-11D-65	11	060S	050W	4301352047	19077	Federal	OW	P
Federal 9-11D-65	11	060S	050W	4301352048	19071	Federal	OW	P
Federal 11-12D-65	12	060S	050W	4301352049	19121	Federal	OW	P
Federal 12-12D-65	12	060S	050W	4301352050	19122	Federal	OW	P
Federal 13-12D-65	12	060S	050W	4301352052	19123	Federal	OW	P
Federal 14-12D-65	12	060S	050W	4301352053	19124	Federal	OW	P
LC Tribal 12-28D-45	28	040S	050W	4301352089	19378	Indian	OW	P
LC Tribal 2-32D-45	32	040S	050W	4301352113	19348	Indian	OW	P
LC Tribal 16-29D-45	32	040S	050W	4301352114	19349	Indian	OW	P
Vieira Tribal 3-4D-54	4	050S	040W	4301352145	19210	Indian	OW	P
Vieira Tribal 5-4D-54	4	050S	040W	4301352146	19193	Indian	OW	P
Vieira Tribal 6-4D-54	4	050S	040W	4301352147	19216	Indian	OW	P
Lamplugh Tribal 6-3D-54	3	050S	040W	4301352148	19289	Indian	OW	P
Lamplugh Tribal 5-3D-54	3	050S	040W	4301352149	19290	Indian	GW	P
Lamplugh Tribal 4-3D-54	3	050S	040W	4301352150	19291	Indian	OW	P
Lamplugh Tribal 3-3D-54	3	050S	040W	4301352151	19292	Indian	OW	P
UTE Tribal 6-35D-54	35	050S	040W	4301352158	19254	Indian	GW	P
UTE Tribal 4-35D-54	35	050S	040W	4301352159	19255	Indian	GW	P
Heiner Tribal 3-11D-54	11	050S	040W	4301352165	19194	Indian	OW	P
Heiner Tribal 4-11-54	11	050S	040W	4301352166	19195	Indian	OW	P
Heiner Tribal 5-11D-54	11	050S	040W	4301352167	19196	Indian	OW	P
Conolly Tribal 1-11D-54	11	050S	040W	4301352168	19270	Indian	OW	P
Conolly Tribal 2-11D-54	11	050S	040W	4301352169	19197	Indian	OW	P
Conolly Tribal 7-11D-54	11	050S	040W	4301352170	19280	Indian	OW	P
Conolly Tribal 8-11D-54	11	050S	040W	4301352171	19281	Indian	OW	P
Casper Tribal 1-5D-54	5	050S	040W	4301352180	19198	Indian	OW	P
Fee Tribal 6-5D-54	5	050S	040W	4301352181	19199	Indian	OW	P
Fee Tribal 5-5D-54	5	050S	040W	4301352182	19200	Indian	OW	P
Fee Tribal 3-5D-54	5	050S	040W	4301352184	19201	Indian	OW	P
Casper Tribal 7-5D-54	5	050S	040W	4301352185	19202	Indian	OW	P
UTE Tribal 10-35D-54	35	050S	040W	4301352198	19320	Indian	OW	P
UTE Tribal 14-35D-54	35	050S	040W	4301352199	19311	Indian	GW	P
UTE Tribal 12-35D-54	35	050S	040W	4301352200	19312	Indian	OW	P
UTE Tribal 16-35D-54	35	050S	040W	4301352230	19321	Indian	OW	P
Evans Tribal 1-3-54	3	050S	040W	4301352234	19264	Indian	OW	P
Evans Tribal 2-3D-54	3	050S	040W	4301352235	19265	Indian	OW	P
Evans Tribal 7-3D-54	3	050S	040W	4301352236	19256	Indian	OW	P
Evans Tribal 8-3D-54	3	050S	040W	4301352237	19257	Indian	OW	P
Ute Tribal 9-3D-54	3	050S	040W	4301352249	19236	Indian	OW	P

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Ute Tribal 15-3D-54	3	050S	040W	4301352250	19237	Indian	OW	P	
Ute Tribal 10-3-54	3	050S	040W	4301352251	19238	Indian	OW	P	
Ute Tribal 14-3D-54	3	050S	040W	4301352298	19258	Indian	OW	P	
Ute Tribal 12-3D-54	3	050S	040W	4301352299	19259	Indian	OW	P	
Ute Tribal 11-3D-54	3	050S	040W	4301352300	19260	Indian	OW	P	
Ute Tribal 16-4D-54	4	050S	040W	4301352302	19350	Indian	OW	P	
Ute Tribal 15-4D-54	4	050S	040W	4301352303	19293	Indian	OW	P	
Ute Tribal 9-4D-54	4	050S	040W	4301352305	19304	Indian	OW	P	
Ute Tribal 10-4D-54	4	050S	040W	4301352307	19294	Indian	OW	P	
UTE Tribal 2-35D-54	35	050S	040W	4301352319	19322	Indian	OW	P	
UTE Tribal 8-35D-54	35	050S	040W	4301352320	19323	Indian	OW	P	
Abbott Fee 5-6D-54	6	050S	040W	4301352326	19351	Fee	OW	P	
Ute Tribal 6-11D-54	11	050S	040W	4301352330	19243	Indian	OW	P	
Ute Tribal 12-11D-54	11	050S	040W	4301352331	19244	Indian	OW	P	
Ute Tribal 14-11D-54	11	050S	040W	4301352332	19245	Indian	OW	P	
Ute Tribal 11-4D-54	4	050S	040W	4301352343	19305	Indian	OW	P	
Ute Tribal 12-4D-54	4	050S	040W	4301352344	19352	Indian	OW	P	
Ute Tribal 13-4D-54	4	050S	040W	4301352345	19353	Indian	OW	P	
Ute Tribal 14-4D-54	4	050S	040W	4301352346	19306	Indian	OW	P	
Ute Tribal 16-5D-54	5	050S	040W	4301352545	99999	Indian	OW	P	
Ute Tribal 15-5D-54	5	050S	040W	4301352546	99999	Indian	OW	P	
Ute Tribal 10-5D-54	5	050S	040W	4301352547	99999	Indian	OW	P	
Ute Tribal 8-5D-54	5	050S	040W	4301352548	99999	Indian	OW	P	
SCOFIELD-THORPE 26-31	26	120S	070E	4300730987	15218	Fee	D	PA	
SCOFIELD-THORPE 26-43	26	120S	070E	4300730990	14922	Fee	D	PA	
SCOFIELD CHRISTIANSEN 8-23	8	120S	070E	4300730999	15172	Fee	D	PA	
CC FEE 7-28-38	28	030S	080W	4301350887	18288	Fee	D	PA	
CC FEE 8-9-37	9	030S	070W	4301350896	18660	Fee	D	PA	
ST LOST CREEK 32-44	32	110S	070E	4304930023	14450	State	D	PA	
SCOFIELD THORPE 22-41X RIG SKID	22	120S	070E	4300730890	13719	Fee	GW	S	
SCOFIELD-THORPE 35-13	35	120S	070E	4300730991	14846	Fee	GW	S	
SCOFIELD-THORPE 23-31	23	120S	070E	4300731001	14923	Fee	GW	S	
NUTTERS RIDGE FED 5-1	5	060S	040W	4301330403	8231	Federal	OW	S	
WIRE FENCE CYN FED 15-1	15	060S	050W	4301330404	8233	Federal	GW	S	
R FORK ANTELOPE CYN FED 25-1	25	060S	050W	4301330406	8234	Federal	OW	S	
WOLF HOLLOW 22-1	22	060S	050W	4301330425	10370	Federal	GW	S	
ANTELOPE RIDGE 24-1	24	060S	050W	4301330426	10371	Federal	OW	S	
B C UTE TRIBAL 8-21	21	050S	040W	4301330829	8414	Indian	OW	S	BERRY PILOT EOR 246-02
Z and T UTE TRIBAL 10-21	21	050S	040W	4301331283	11133	Indian	GW	S	BERRY PILOT EOR 246-02
Z and T UTE TRIBAL 12-22	22	050S	040W	4301331311	11421	Indian	OW	S	
UTE TRIBAL 15-17	17	050S	040W	4301331649	11956	Indian	OW	S	
UTE TRIBAL 7-30	30	050S	040W	4301332167	12945	Indian	OW	S	
UTE TRIBAL 8-35-55	35	050S	050W	4301332267	13571	Indian	OW	S	
UTE TRIBAL 10-16-55	16	050S	050W	4301332345	13693	Indian	OW	S	
FOY TRIBAL 11-34-55	34	050S	050W	4301332351	13648	Indian	OW	S	
UTE TRIBAL 13-30-54	30	050S	040W	4301332409	13968	Indian	OW	S	
UTE TRIBAL 3-33-54	33	050S	040W	4301332412	13938	Indian	OW	S	
UTE TRIBAL 1-20-55	20	050S	050W	4301332414	14548	Indian	OW	S	
UTE TRIBAL 11-30-54	30	050S	040W	4301332512	13982	Indian	OW	S	
UTE TRIBAL 2-24-54	24	050S	040W	4301332569	14314	Indian	OW	S	
UTE TRIBAL 10-14-55	14	050S	050W	4301332601	14331	Indian	OW	S	
MOON TRIBAL 3-27-54	27	050S	040W	4301332613	14416	Indian	OW	S	
UTE TRIBAL 7-21-54	21	050S	040W	4301332623	14383	Indian	OW	S	BERRY PILOT EOR 246-02
UTE TRIBAL 16-24-55	24	050S	050W	4301332672	14384	Indian	GW	S	
UTE TRIBAL 7-35-54	35	050S	040W	4301332774	15019	Indian	OW	S	
UTE TRIBAL 16-25-54	25	050S	040W	4301332779	15078	Indian	OW	S	
MOON TRIBAL 13-27-54	27	050S	040W	4301332801	15057	Indian	OW	S	
UTE TRIBAL 15-15-55	15	050S	050W	4301332855	15114	Indian	OW	S	
UTE TRIBAL 5-36-55	36	050S	050W	4301332930	15301	Indian	OW	S	
UTE TRIBAL 8-24-54	24	050S	040W	4301332933	15402	Indian	OW	S	
UTE TRIBAL 12-15-55	15	050S	050W	4301332981	15348	Indian	OW	S	
UTE TRIBAL 9-21-54	21	050S	040W	4301333040	15360	Indian	OW	S	BERRY PILOT EOR 246-02
UTE TRIBAL 15-21-54	21	050S	040W	4301333114	15441	Indian	OW	S	BERRY PILOT EOR 246-02
UTE TRIBAL 10-16-54	16	050S	040W	4301333129	15454	Indian	OW	S	
TAYLOR FEE 7-14-56	14	050S	060W	4301333140	15601	Fee	OW	S	
UTE TRIBAL 9S-25-55	25	050S	050W	4301333245	15962	Indian	OW	S	

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UTE TRIBAL 9-5-54	5	050S	040W	4301351111	18909	Indian	OW	S	
ABBOTT FEE 6-6-54	6	050S	040W	4301351948	18963	Fee	OW	S	