



June 1, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: State 1-2-9-18, 2-2-9-18, 3-2-9-18, 4-2-9-18,  
5-2-9-18, 6-2-9-18, 7-2-9-18, 8-2-9-18, 9-2-9-18, 10-2-9-18, 12-2-9-18, 13-2-9-  
18, 14-2-9-18, 15-2-9-18, and 16-2-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 3-2-9-18 and 13-2-9-18 are Exception Locations. I have notified our office in Denver, and they will be getting you the appropriate paperwork. When these APD's are received, please contact Brad Meham to set up a State On-Site. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUN 13 2004

DIV. OF OIL, GAS & MINING

**001 DIVISION OF OIL, GAS AND MINING**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN**

1a. TYPE OF WORK **DRILL**  **DEEPEN**

1b. TYPE OF WELL

OIL  GAS  OTHER  SINGLE ZONE  MULTIPLE ZONE

5. LEASE DESIGNATION AND SERIAL NO.  
**ML-48377**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME  
**N/A**

9. WELL NO.  
**State #5-2-9-18**

10. FIELD AND POOL OR WILDCAT  
**Eight Mile Flat**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SW/NW Sec. 2, T9S, R18E**

12. County  
**Uintah**

13. STATE  
**UT**

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS AND TELEPHONE NUMBER:  
**Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721**

4. LOCATION OF WELL (FOOTAGE)  
At Surface **SW/NW 1988' FNL 660' FWL 596603 X 40.06162**  
At proposed Producing Zone **4435001 Y -109.86731**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 22.2 miles southeast of Myton, UT**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx 660' f/lse line</b>	16. NO. OF ACRES IN LEASE <b>640.40</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approximately 1131'</b>	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4878' GL**

22. APPROX. DATE WORK WILL START\*  
**4th Quarter 2004**

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
				See Detail Below

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

**\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

**SURFACE PIPE** - 155 sx Class G Cement +/I 10%, w/ 2% CaCl2 & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H2O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 gal/sk

24. Name & Signature *Mandie Crozier* Title: Regulatory Specialist Date: 6/2/04  
**Mandie Crozier**

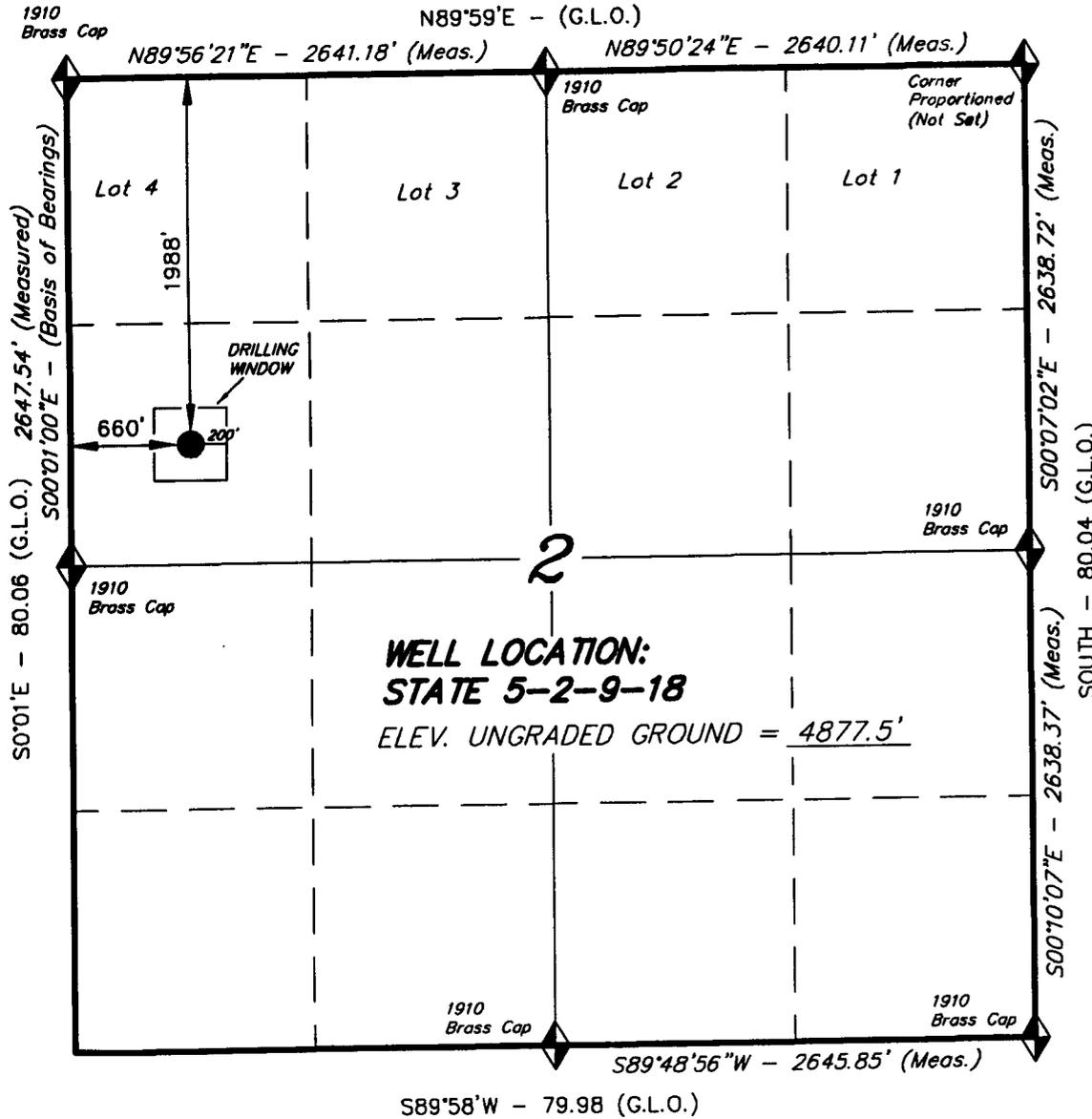
(This space for State use only)  
API Number Assigned: 43-047-35777

APPROVAL:  
**Approved by the Utah Division of Oil, Gas and Mining**  
Date: 07-19-04  
By: [Signature]

**RECEIVED**  
**JUN 03 2004**  
DIV. OF OIL, GAS & MINING

# T9S, R18E, S.L.B.&M.

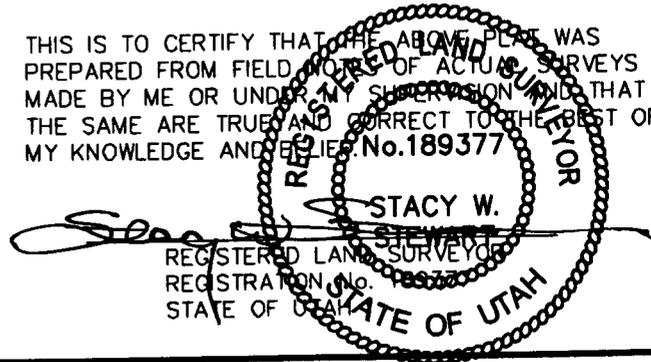
## INLAND PRODUCTION COMPANY



WELL LOCATION, STATE 5-2-9-18,  
LOCATED AS SHOWN IN THE SW 1/4 NW  
1/4 OF SECTION 2, T9S, R18E, S.L.B.&M.  
UINTATH COUNTY, UTAH.



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. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 3-23-04	DRAWN BY: J.R.S.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (UTELAND BUTTE)

**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 7/14/2004 10:34:16 AM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

**Inland Production Company**

- State 1-2-9-18
- State 2-2-9-18
- State 3-2-9-18
- State 4-2-9-18
- State 5-2-9-18
- State 6-2-9-18
- State 7-2-9-18
- State 8-2-9-18
- State 9-2-9-18
- State 10-2-9-18
- State 12-2-9-18
- State 13-2-9-18
- State 14-2-9-18
- State 15-2-9-18
- State 16-2-9-18

If you have any questions regarding this matter please give me a call.

**CC:** Garrison, LaVonne; Hill, Brad; Hunt, Gil

INLAND PRODUCTION COMPANY  
STATE #5-2-9-18  
SW/NW SECTION 2, T9S, R18E  
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New)  
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with air mist system to 3200', then from 3200' +/- to TD a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**AIR DRILLING**

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

Surface – 3200’  
3200’ – TD’

**MUD TYPE**

fresh water or air/mist system  
fresh water system

From surface to ± 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's preference. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290’ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500’ +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the fourth quarter of 2004, and take approximately seven (7) days from spud to rig release.

INLAND PRODUCTION COMPANY  
STATE #5-2-9-18  
SW/NW SECTION 2, T9S, R18E  
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Inland Production Company well location site State 5-2-9-18 located in the SW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 2, T9S, R18E, S.L.B. & M., Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles  $\pm$  to it's junction with an existing road to the east; proceed northeasterly - 1.8 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 3.4 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 0.1 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southerly along the proposed access road 375'  $\pm$  to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 375' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

It is anticipated that this well will be a producing oil well.

The flow lines from the wells in Section 2, T9S R18E, will run along access roads leading to the Central Battery located at the proposed State 5-2-9-18 location. **See attached Topographic Map "D"**.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Inland Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Inland requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

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

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) 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 SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from

the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

**The Archaeological Cultural Resource Survey for this area is attached.**

**Additional Surface Stipulations**

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

**Hazardous Material Declaration**

Inland Production Company guarantees that during the drilling and completion of the State 5-2-9-18. Inland will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the State 5-2-9-18 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Brad Mecham  
Address: Inland Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #5-2-9-18, SW/NW Section 2, T9S, R18E, LEASE #ML-48377, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. 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 the 18 U.S.C. 1001 for the filing of a false statement.

6/2/04  
Date

  
Mandie Crozier  
Regulatory Specialist  
Inland Production Company

CULTURAL RESOURCE INVENTORY FOR INLAND  
RESOURCES OF SECTIONS 2 AND 16, T 9S, R 18E  
ON EIGHT MILE FLAT, UINTAH COUNTY, UTAH

BY:

Angela Whitfield  
and  
Amanda Wilson

Prepared For:

State and Institutional  
Trust Land Administration

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-37

April 16, 2004

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0109s

RECEIVED

JUN 03 2004

DIV. OF OIL, GAS & MINING

## ABSTRACT

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of T 9S, R 18E, Sections 2 and 16 for Inland Resources. The project area is located on Eightmile Flat, Uintah County, Utah. Inland Resources, Inc. proposes to develop oil/gas well locations, access roads, and pipelines within these blocks. The inventory was implemented at the request of Ms. Mandie Crozier of Inland Resources. The project occurs entirely on land administered by the School and Institutional Trust Land Administration (SITLA).

The project area lies approximately 20 miles south of Roosevelt, Utah. The inventory resulted in the identification of thirteen new archaeological sites (42Un3669 through 42Un3681) and one isolated find of artifact. Five of the sites (42Un3674, 42Un3678, 42Un3679, 42Un3680, and 42Un3681) are recommended as eligible to the NRHP (see Table 1). These consist of three prehistoric temporary camps (42Un3674, 42Un3678, and 42Un3680), a lithic scatter (42Un3679), and a rock art site (42Un3681). The prehistoric camps and lithic scatter are deemed eligible to the NRHP under Criterion D due to their potential to yield additional information on the prehistory of the area. One of the sites (42Un3674) contains three single-hand manos and a core, all located near overhangs that are potential rock shelters. Colluvial deposits cover the site area, and could obscure the presence of additional cultural materials. Another prehistoric temporary camp (42Un3680) contains a core, several flakes, and a fire-cracked rock concentration. Aeolian soils covering the site area could obscure the presence of additional cultural materials. Site 42Un3678 contains lithic debitage and nine tools, including one diagnostic tool - the base of an Elko corner-notched projectile point. The lithic scatter (42Un3679) contains 15 pieces of lithic debitage of a variety of material types, a core, and a utilized flake. It is located near an ephemeral wash, and alluvial soils in the area suggest the potential for buried cultural materials. The rock art site (42Un3681) is evaluated as eligible to the NRHP under Criteria C and D. It possesses high artistic values as it is one of the few rock art sites that have been identified in the immediate area, and has potential to yield information important to the prehistory of the area.

Eight of the sites are evaluated as not eligible to the NRHP (Table 1). The prehistoric site types include two lithic scatters (42Un3675 and 42Un3677). These sites lack temporal indicators and spatial patterning and occur on sediments that are unlikely to yield buried cultural materials. The remainder of the sites evaluated as not eligible to the NRHP include five historic temporary camps (42Un3669 through 42Un3673) and a site containing two cairns (42Un3676). These sites all possess a limited class of artifacts and little depth potential. They are common site types to the area, and are unlikely to contribute to the historic research domains of the area.

It is recommended that the eligible sites be avoided by any future undertakings. Based on adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

## TABLE OF CONTENTS

ABSTRACT .....	i
TABLE OF CONTENTS .....	ii
LIST OF FIGURES .....	ii
LIST OF TABLE .....	ii
INTRODUCTION .....	1
DESCRIPTION OF PROJECT AREA .....	2
Environmental Setting .....	2
Cultural Overview .....	2
SURVEY METHODOLOGY .....	6
INVENTORY RESULTS .....	7
Archaeological Sites .....	7
Isolated Find of Artifacts .....	11
NATIONAL REGISTER OF HISTORIC PLACES EVALUATION .....	12
MANAGEMENT RECOMMENDATIONS .....	13
REFERENCES CITED .....	14
APPENDIX A: INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM (IMACS) SITE FORMS .....	16

### LIST OF FIGURES

1. Inventory Area of Section 16, Township 9S, Range 18E on Eight Mile Flat for Inland Resources, Uintah County, Utah showing cultural resources ..... 3
2. Inventory Area of Section 2, Township 9S, Range 18E on Eight Mile Flat for Inland Resources, Uintah County, Utah showing cultural resources ..... 4

### LIST OF TABLE

1. Cultural Resources and NRHP Assessment ..... 13

## INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of T 9S, R 18E, Sections 2 and 16. The project area is located on Eightmile Flat, Uintah County, Utah. Inland Resources, Inc. proposes to develop oil/gas well locations, access roads, and pipelines within these blocks. The inventory was implemented at the request of Ms. Mandie Crozier of Inland Resources. The project occurs entirely on land administered by the School and Institutional Trust Land Administration (SITLA).

The objective of the inventory was to locate, document and evaluate any cultural resources within the project area. This project was carried out in compliance with Federal and State legislation including the Antiquities Act of 1906, the National Historic Preservation Act (NHPA) of 1966 (as amended), the National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was conducted on March 8-13, 2004 under the direction of Keith R. Montgomery (Principal Investigator) and assisted by Mark Beeson, Mike Carlisle, and Greg Woodall. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 04-UT-60122 and State of Utah Antiquities Project (Survey) No. U-04-MQ-0109s.

A file search for previous inventories was conducted by Marty Thomas on March 4, 2004 at the Utah State Historic Preservation Office in Salt Lake City. According to this consultation, a number of inventories have been conducted within the immediate project area. In 1979, Archeological-Environmental Research Corporation (AERC) conducted a cultural resource survey of three proposed drill locations for Mapco Corporation (Norman and Hauck 1979). The survey area included a portion of Section 16. No cultural resources were identified during the project. In 1981, Nickens and Associates performed a cultural resource inventory for the proposed Bonanza-Castle Peak-Upalco Transmission Line corridor and access roads for Deseret Generation and Transmission Co-operative (Christensen 1981). The transmission line was approximately 57 miles long, and a portion of it passed through Section 16, Township 9 South, Range 18 East. Thirty three archaeological sites and 56 isolated finds were identified during the project. One of the sites, 42Un1174, was deemed a possible NRHP eligible site. In 1984, AERC performed cultural resource inventories of two proposed well locations and access routes for Diamond Shamrock Exploration (Hauck 1984). A portion of the access route to well location 23-1 was located in Section 2, Township 9 South, Range 18 East. No sites were identified during the project, however several isolated tools and primary flakes were observed. In February 2004, MOAC performed a cultural resource inventory adjacent to the current project area that resulted in the documentation of four new archaeological sites (Wilson and Montgomery 2004a). The sites were all historic short-term camps or trash scatters evaluated as not eligible to the NRHP. In April 2004, MOAC conducted another cultural resource inventory in the area that included Sections 9, 10, 11, 14, 15, and 23, Township 9 South, Range 18 East (Wilson and Montgomery 2004b). The inventory resulted in documentation of seventy-one new archaeological sites. Twenty-eight of the sites were evaluated as eligible to the NRHP. These include one historic site, two multi-component sites, and twenty five prehistoric sites. The prehistoric sites consist of nineteen lithic scatters and six temporary camps.

## DESCRIPTION OF PROJECT AREA

The project area lies approximately 20 miles south of Roosevelt, Utah on Eightmile Flat, Uintah County, Utah. The inventory area is located in Township 9 South, Range 18 East, Section 2 and Section 16 (Figures 1 and 2). A total of 1240 acres, including 640 acres in Section 16 and 600 acres in Section 2, was inventoried on lands administered by School and Institutional Trust Land Administration (SITLA).

### Environmental Setting

The project area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The entire Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. Topographically, this area consists of highly dissected sandstone and mudstone rock formations and broad sandy silt ridges. Recent alluvial deposits, older alluvial terrace deposits, and rock outcrops of the Upper Eocene Uinta Formation constitute the surface geology of the area. The Uinta Formation is seen as eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossil vertebrates, including turtles, crocodilians, fish, and mammals. The elevation ranges from 5100 to 5140 feet a.s.l. Named water sources north of the project area include Pariette Draw and Castle Peak Draw. In addition, there are numerous unnamed washes in the immediate project vicinity. The project area lies within the Upper Sonoran life zone, dominated by a mixed desert shrub zone. Vegetation in the area includes shadscale, low sagebrush, mat saltbush, greasewood, rabbitbrush, snakeweed, prickly pear cactus, pincushion cactus, and bunch grasses. Modern disturbances to the landscape include oil and gas development, access roads, pipelines, and livestock grazing.

### Cultural Overview

The cultural-chronological sequence represented in the area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.), characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is implied by the discovery of Clovis and Folsom fluted points (ca. 12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate points (ca. 10,000 B.P. - 7,000 B.P.). Near the project area, a variety of Plano Complex Paleoindian projectile points have been documented, including Goshen, Alberta, and Midland styles (Hauck 1998). No sites with evidence of Folsom lithic technology have previously been documented near the project area. Spangler (1995:332) reports that there are no sealed cultural deposits in association with extinct fauna or with chronologically distinct Paleoindian artifacts in Utah. Specifically in the Uinta Basin, few Paleoindian sites have been adequately documented, and most evidence of Paleoindian exploitation of the area is restricted to isolated projectile points recovered in nonstratigraphic contexts. Copeland and Fike (1998:21) argue that many areas in Utah are conducive to the herding behavior of megafauna, and that there is a high probability that many of the sites in Utah of unknown age are Paleoindian.

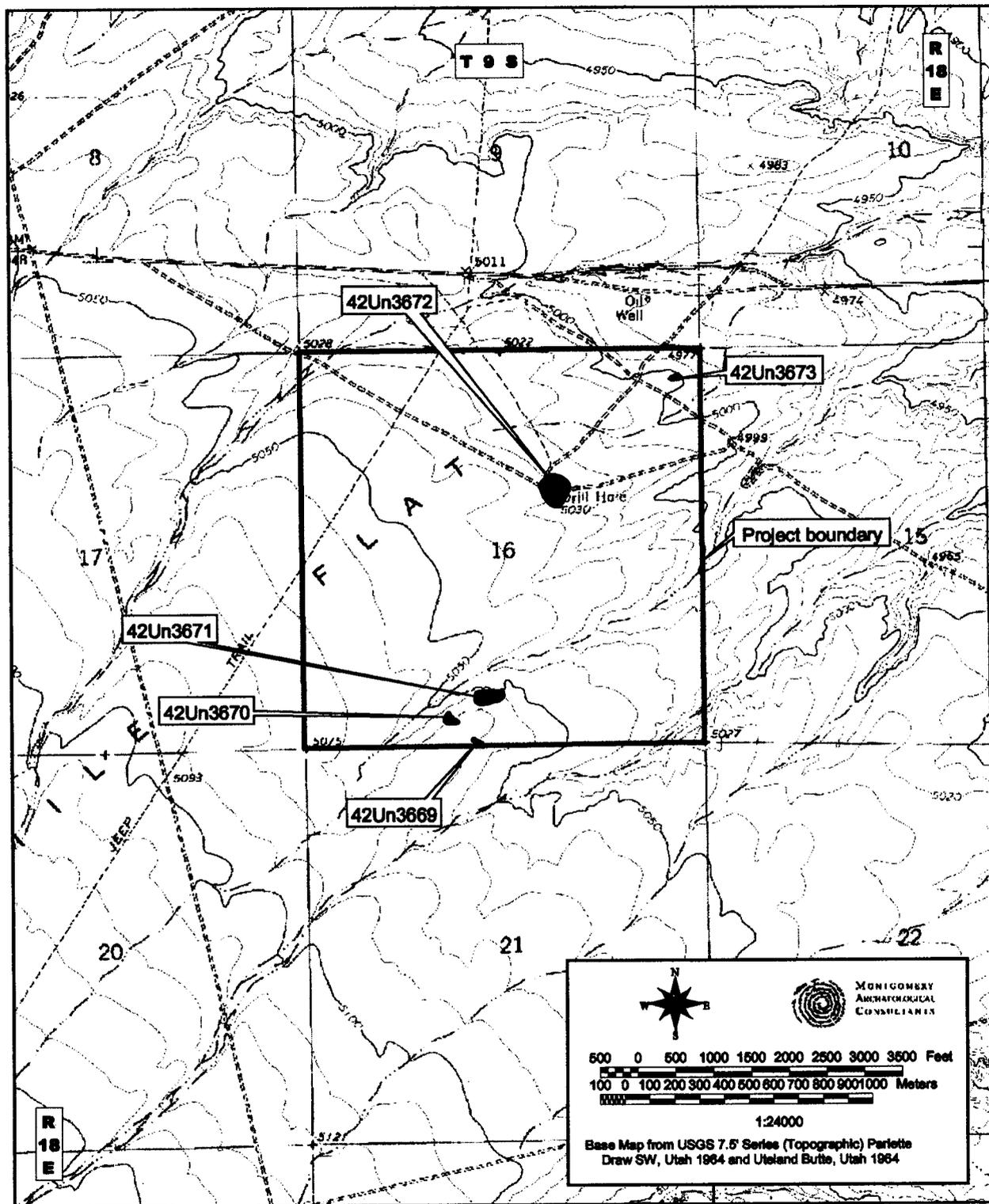


Figure 1. Inventory Area of Section 16, Township 9S, Range 18E on Eight Mile Flat for Inland Resources, Uintah County, Utah showing cultural resources.

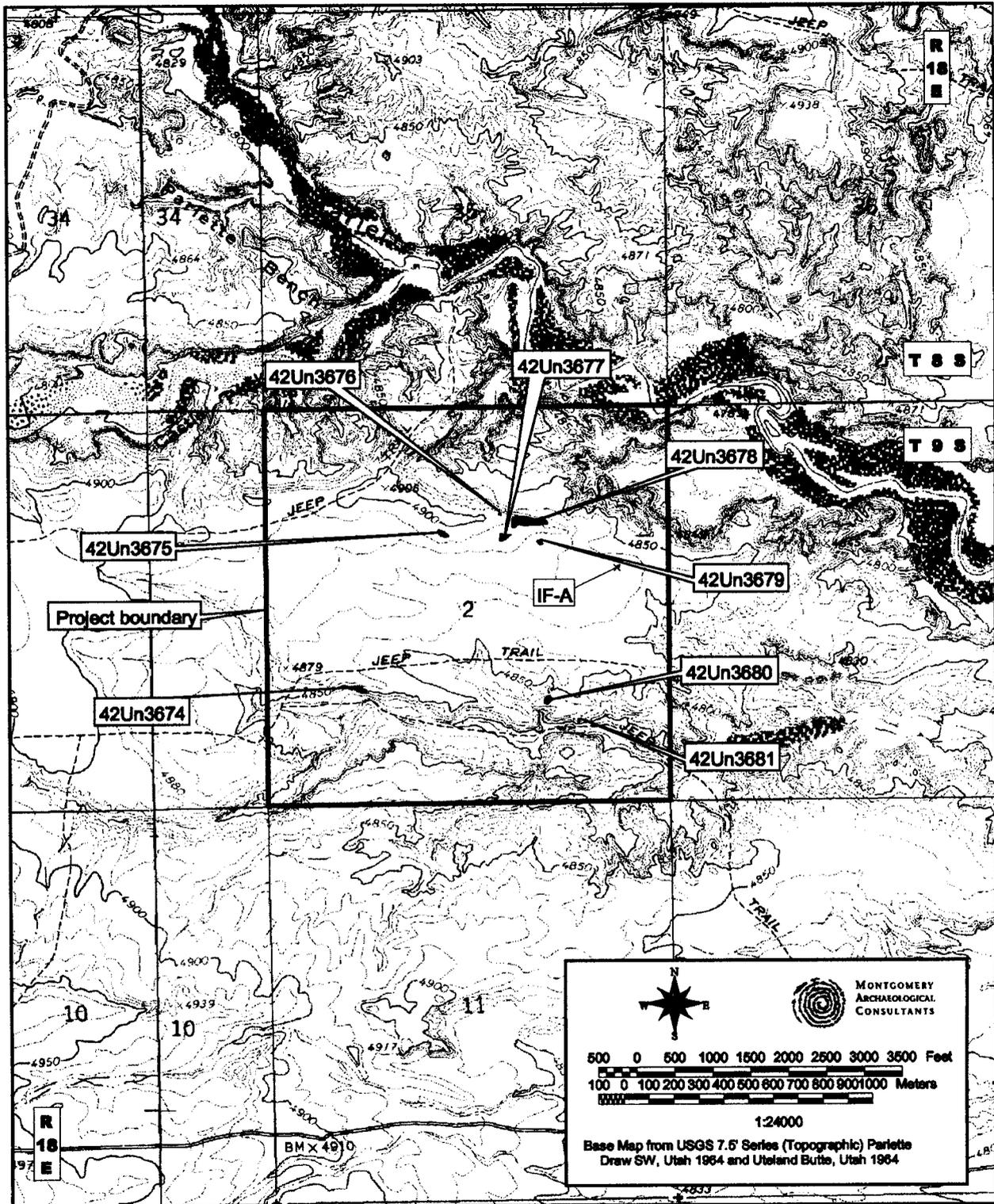


Figure 2. Inventory Area of Section 2, Township 9S, Range 18E on Eight Mile Flat for Inland Resources, Uintah County, Utah showing cultural resources.

Reed, and Chandler 1994:130). The Ute appear to have been hunters and gatherers who exploited various fauna and flora resources. According to macrobotanical and faunal data from dated components, deer, elk, pronghorn, bison, and small game were acquired (Reed 1994:191). Plant materials thought to have been exploited for food include goosefoot, grass seeds, pinyon nuts, juniper berries, squawbush berries and leaves, hackberry seeds and possibly saltbush seeds, knotweed, chokecherry, and chickweed (Reed 1994:191).

## SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. The two parcels were examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. A total of 1240 acres, including 640 acres in Section 16 and 600 acres in Section 2, was inventoried on lands administered by School and Institutional Trust Land Administration (SITLA).

Cultural resources were recorded either as archaeological sites or isolated finds of artifacts. Archaeological sites are defined as spatially definable areas with ten or more artifacts and/or features. Sites were documented by the archaeologists walking transects across the site, spaced no more than 3 m (10 ft) apart and marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a Brunton compass was employed to point-provenience diagnostic artifacts and other relevant features in reference to the site datum, a steel rebar stamped with a temporary site number. Archaeological sites were plotted on a 7.5' USGS quadrangle, photographed, and documented with site data entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form (Appendix A). Isolated finds were defined as individual artifacts or light scatters of items lacking sufficient material culture to warrant IMACS forms or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

## INVENTORY RESULTS

The inventory of T 9S, R 18E, Sections 2 and 16 on Eight Mile Flat for Inland Resources resulted in the identification of thirteen new archaeological sites (42Un3669 through 42Un3681) and one isolated find of artifact.

### Archaeological Sites

Smithsonian Site No.: 42Un3669  
Temporary Site No.: 04-37-12  
Legal Description: T 9S, R 18E, Sec. 16 and 21  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located at the top edge of a flat, broad ridge. The cultural materials at the site include glass, tin cans, a cartridge with the headstamp "30-30 WIN SuperSpeed, one battery bank with 30 'D' cells stuck together, one large battery core, one hay bail wire tie, one cast iron wood stove burner lid with a 7" diameter and the markings "GW 7R", and one metal frying pan handle. The glass consists of 69 fragments of selenium glass all representing different jars with 2" diameter screw on metal lids. Two of the jars contain trademarks: one jar has a Latchford Marble trademark on the base (1939-1957) and a diameter of 4" and the other jar had

The Archaic stage (ca. 8,000 B.P.-1,500 B.P.) is characterized by the dependence on a foraging subsistence, with peoples seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types, and the development of the atlatl, perhaps in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of Early Archaic presence is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000-3000 B.C.) sites in the Basin include sand dune sites and rockshelters primarily clustered in the lower White River drainage (Spangler 1995:373). Early Archaic projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Side-notched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National Monument, and open campsites along the Green River and on the Diamond Mountain Plateau (Spangler 1995:374). The Middle Archaic (ca. 3000-500 B.C.) is characterized by improved climatic conditions and an increase in human population on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile points. Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late Archaic period (ca. 500 B.C.-A.D. 550) in the Uinta Basin is distinguished by the continuation of Elko Series projectile points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cockleburr Wash Site (42Un1476) where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. (Tucker 1986). The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek.

The Formative stage (A.D. 500-1300) is recognized in the area as the Uinta Fremont as first defined by Marwitt (1970). This stage is characterized by a reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Utah type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn,

a Glass Container's Corporation trademark (since 1945). The tin cans at the site include three sanitary cut around medium food cans; seven hole-in-top milk cans with ice pick or knife cut openings; two shirt pocket, hinged lid tobacco tins; and one removable lid with 12 nail holes punched in it. There is one Feature at the site consisting of 30 juniper wood chips and splinters in an area with a diameter of 10 meters. The site was most likely a camp used by sheep herders between 1939-1955.

Smithsonian Site No.: 42Un3670  
Temporary Site No.: 04-37-13  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located on top of a broad flat ridge. The cultural materials at the site include one selenium glass jar with a threaded neck and the Alexander Kerr trademark on the base (since 1944); one internal friction tobacco tin (1960s); four external friction wire hinge tobacco tins (1910-1960); ten medium cut around sanitary cans; one tall cut around sanitary can with "Canco" embossed on it (1912-1921); ten knife tip cut hole-in-top milk cans with "Punch Here" embossed on them (1935-1945); two, one pound round key strip coffee cans; one, one quart oil can; one screw cap fluid can with a spout and "Canco" on the bottom (1912-1921); one pry out can lid with "Walter Baker's Breakfast Cocoa" on it; two key strip coffee can lids with "Regular Grind" embossed on them; one metal screw cap; and one sanitary can lid with "RCCanco St. Louis" on it. There are two features at the site that consist of wood piles with over one hundred juniper chips and splinters in each. The site represents a camp used by sheep herders or other ranchers in the area on multiple occasions between 1920 and 1960.

Smithsonian Site No.: 42Un3671  
Temporary Site No.: 04-37-11  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located at the top edge of a low, broad ridge. The cultural materials at the site were found in two distinct loci. Locus A contained Feature A which consists of three wood chips, one rifle cartridge with "REM-UMC 25-35" on the headstamp (1911-1960), 14 sanitary food cans, eight hole-in-top milk cans, one spice can lid, one coffee can lid, one grease can, and one selenium medicine bottle with "DR. NUNN's Black Oil Healing Compound" embossed on the side and a finish that required a stopper or cork. Locus B contained Feature B which consists of six wood chips, two hay bail wire ties, two sanitary food cans, and two "Punch Here" hole-in-top milk cans (1935-1945). The site was most likely used by sheep herders on multiple occasions from 1920-1950.

Smithsonian Site No.: 42Un3672  
Temporary Site No.: 04-37-10  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a temporary camp mixed with modern trash located on the crest of a broad, slightly rounded ridge. The cultural materials at the site include five hole-in-top milk cans with "Punch Here" embossed on the lid (1935-1945), ten medium cut-around sanitary food cans, and

modern trash and debris. There are five features at the site: Feature A is a pen or corral, Feature B is a wood pile, Feature C is a drill hole, Feature D is a brick/slag pile, and Feature E is a trash pile. The site dates from 1935 to the present based on the hole-in-top cans and modern trash. The historic aspect of the site was most likely used by sheep herders or other ranchers in the 1940s.

Smithsonian Site No.: 42Un3673  
Temporary Site No.: 04-37-09  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located on a low rounded ridgetop in the Uinta Basin. Cultural materials include three knife punched hole-in-top milk cans, one key strip meat can, one broken selenium glass jar with a Knox Glass Bottle Company of Parker trademark on the base (1930-1952) and a metal screw cap, and one wood pile remnant with coal chunks. The feature of wood and coal probably represents the remains of a wood pile while the coal is left over from a stove. The site dates around 1930-1950 based on the glass maker's mark and was most likely used on one occasion by sheep herders or other ranchers in the area.

Smithsonian Site No.: 42Un3674  
Temporary Site No.: 04-37-01  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

Description: This site is a prehistoric temporary camp located on a sandstone shelf ledge that rises 1-2 meters with three rock alcoves/overhangs that could be possible shelters. There are four tools at the site. Tool 1 is a possible single-handed mano manufactured from coarse-grained brown quartzite measuring 15 cm long, 8 cm wide, and 5 cm thick. This mano exhibits 2-5% polish on the convex face and has five margins. Tool 2 is a single-handed mano with eight margins manufactured from reddish brown coarse-grained quartzite measuring 13 cm long, 9 cm wide, and 6 cm thick. The mano has one ground and polished surface measuring 8 x 6 cm and one lateral, natural fracture. The distal end of the cobble exhibits minimal to moderate wear on a 2 x 2 cm flat surface. Tool 3 is a single-handed mano with nine margins manufactured from brown, medium-grained quartzite. There is one grinding surface with minimal use wear that measures 6 x 6 cm on the convex side of the cobble. Tool 4 is a cobble core of light tan-brown opaque chert that measures 8 cm long, 5 cm wide, and 2 cm thick. Ten flakes have been removed from the core and use wear is exhibited on one small edge. The site was most likely used as a temporary camp that can not be dated since no diagnostic artifacts were present. A modern beer bottle was found on the site indicating the possibility of vandalism.

Smithsonian Site No.: 42Un3675  
Temporary Site No.: 04-37-02  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a prehistoric lithic scatter located on a gentle south slope of a low knoll. The cultural materials present at the site include ten pieces of debitage and one lithic tool. The

debitage includes mainly tertiary flakes with a few broken flakes, one primary flake, and one secondary flake. Material types include grey-pink opaque chert, mottled grey-tan-pink opaque chert, mottled tan-brown opaque chert, brown opaque chert, yellow-brown quartzite, and white quartzite. The lithic tool is a uniface manufactured from semi-translucent brown chert with pressure flaking on the dorsal side. There were no features present at the site.

Smithsonian Site No.: 42Un3676  
Temporary Site No.: 04-37-03  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is composed of two cairns located on top of a low, long, flat ridge. A collapsed/tipped cairn is located on the east end and a standing cairn is visible at the west end of this same ridge approximately 1/8th of a mile away. The collapsed cairn appears to have been approximately 35 slabs high (4-5 feet) and constructed from local flat sandstone irregular slabs. The slabs measure between 1-2" thick, 6-18" wide, and 24-30" long. There is no discernible placement pattern and the cairn has collapsed to the west off the base location. The standing cairn is 4-5 feet tall and visible at the west end of the ridgeline. There are no associated artifacts at the site.

Smithsonian Site No.: 42Un3677  
Temporary Site No.: 04-37-04  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a lithic scatter located along the base of a low ridge or knoll. The cultural materials at the site include 15 pieces ofdebitage and two lithic tools. The tools consist of a Stage 1 biface manufactured from grey-pink opaque chert and a bifacial core of grey-pink opaque chert. Thedebitage at the site consists mainly of primary and secondary flakes with one tertiary flake and no shatter. Material types include grey-pink opaque chert, tan opaque chert, tan-brown mottled opaque chert, grey quartzite, and cream quartzite. There were no diagnostic artifacts or features at the site which was mostly likely used as a brief lithic reduction locality.

Smithsonian Site No.: 42Un3678  
Temporary Site No.: 04-37-05  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

Description: This site is an Archaic temporary camp located on a slickrock and sand ridgetop. A bedrock natural water pocket in the slickrock is present, measuring 1.5 m long, 1 m wide, and 0.2 m deep. Cultural materials at the site include nine lithic tools, including two pieces of ground stone, and 20 pieces ofdebitage. Thedebitage includes mainly secondary and tertiary flakes with a few pieces of shatter and primary flakes. Material types include tan opaque chert, tan-brown mottled opaque chert, white-pink mottled opaque chert, cream opaque chert, yellow-orange quartzite, butterscotch quartzite, and cream quartzite. The tools at the site include three small cores of pink-grey opaque chert; one utilized flake with use wear on one bifacial edge; one slab grinding stone with a ground area on one side; one unknown hand stone with battering on one end and possible grinding on one face; one Elko Corner-notched projectile point base of salmon semi-translucent chert; one large side scraper with minimal use wear on one bifacial margin; and one early stage

biface of pink-grey opaque chert with a fracture on the distal end. There were no features present at the site. The Elko projectile point dates to the Archaic period and the site most likely represents a brief camp or lithic reduction locality. A modern beer can was found on the site indicating the possibility of vandalism.

Smithsonian Site No.: 42Un3679  
Temporary Site No.: 04-37-06  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

Description: This site is a prehistoric lithic scatter located in a slight depression and ephemeral wash in the Uinta Basin. The cultural materials at the site include 15 pieces of debitage and two lithic tools. The debitage consists of mainly secondary flakes with a few tertiary and primary flakes. Material types include tan-brown mottled opaque chert, tan opaque chert, orange semi-translucent chert, cream opaque chert, salmon quartzite, white-pink mottled opaque chert, grey opaque chert, grey quartzite, and brown opaque chert. The tools at the site include a core manufactured from a cream quartzite cobble with four flake scars and a utilized flake manufactured from a grey opaque chert secondary flake with use wear exhibited on one margin. There are no features present at the site. The site can not be dated since no diagnostic materials were found.

Smithsonian Site No.: 42Un3680  
Temporary Site No.: 04-37-07  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

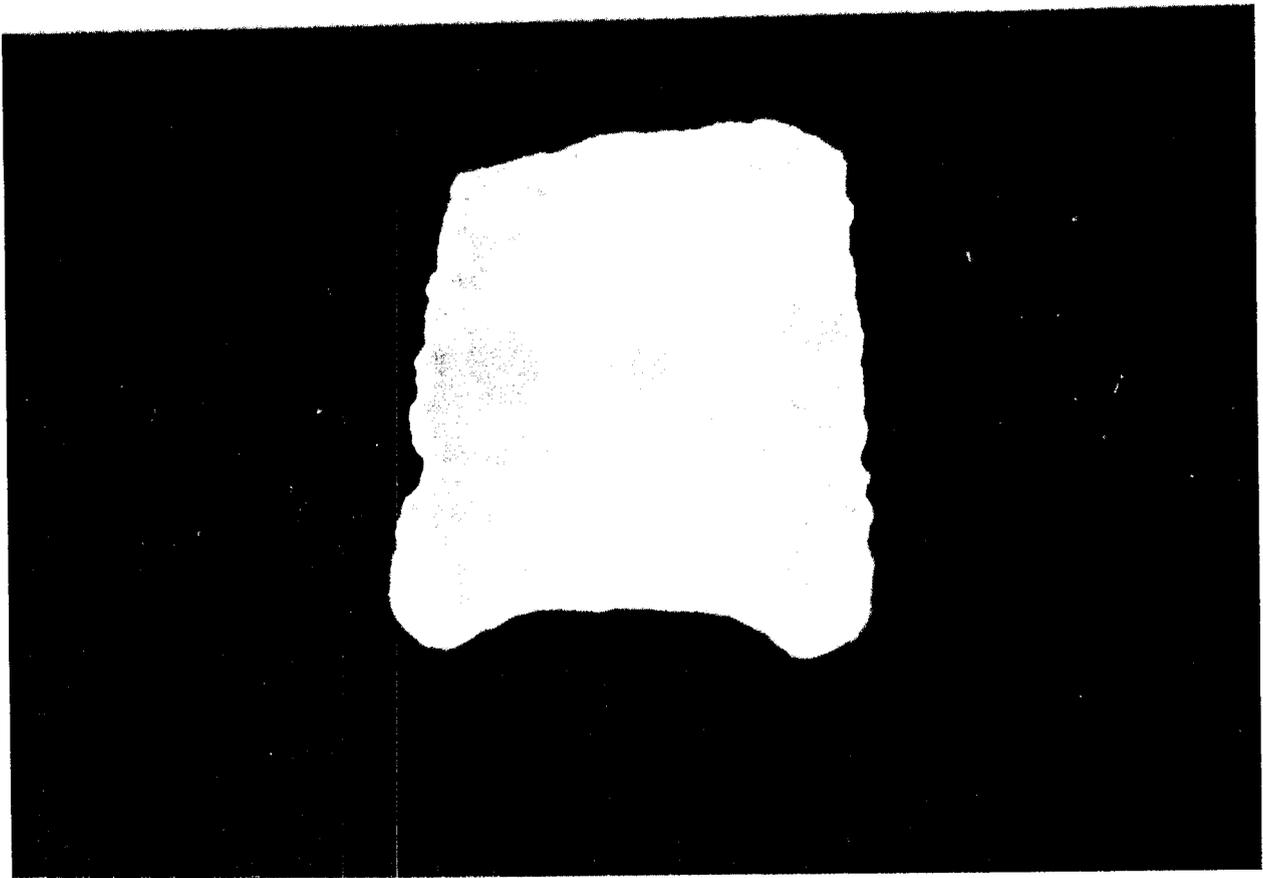
Description: This site is a prehistoric temporary camp located at the top edge of a ridge overlooking a large draw. Cultural materials at the site include one lithic tool, three pieces of debitage, and a fire-cracked rock concentration. The tool at the site is a butterscotch quartzite bifacial core with numerous flake scars and 5% cortex remaining. The debitage includes two secondary flakes and one tertiary flake. Material types are cream opaque chert and tan-brown mottled opaque chert. Feature A consists of 12 reddened quartzite cobbles in a circular area with a diameter of 2 meters. Another ten reddened and cracked quartzite cobbles and fragments are located within 5 meters down slope and across the slope of the concentration. No charcoal or soil staining was noted. The site was mostly likely used as a brief temporary camp and lithic reduction locality that can not be dated since no diagnostic artifacts were observed.

Smithsonian Site No.: 42Un3681  
Temporary Site No.: 04-37-08  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion C and D

Description: This site is a rock art site consisting of two petroglyph panels on large detached canyon wall bedrock boulders. Panel (Feature) A faces west on a sandstone boulder and consists of several anthropomorphic and zoomorphic figures as well as a few geometric designs. The panel is faded since it was subject to weathering. Panel (Feature) B consists of two of more figures on a boulder. One of the petroglyphs is a possible snake figure and the other an anthropomorph, but it is hard to distinguish the figures since the panel is faded due to weathering. There were no associated artifacts at the site.

### Isolated Find of Artifact

Isolated Find A (IF-A) is located in the SW/SE/NE of Section 2, T9S, R18E; UTM 597807E/4434899N. It is situated on a gentle ridge slope southeast of Pariette Draw, a major semi-permanent drainage. The deposition environment is a stable residual soil with a veneer of small rocks. This isolated find appears to be the base of a plano-type projectile point. It exhibits a broad concave base with rounded tangs and parallel sides. It is broken near the midsection and exhibits diagonal flake removal as well as margin retouch. The point is very similar to lanceolate points classified as Angostura Points dating ca. 9,000 to 7,000 B.P. The artifact is manufactured from a semitranslucent white chert. Measurements: L=2.5 cm (IC), W=2.0 cm, T=0.25cm.



Isolated Find A. Late Paleoindian Angostura Type Point.

## NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:

- 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 to our past; or
- c)...embody the distinctive characteristics of a type, period, or method of construction; or that represents 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.

The inventory of T 9S, R 18E, Sections 2 and 16 on Eight Mile Flat for Inland Resources resulted in the documentation of thirteen new archaeological sites (42Un3669 through 42Un3681). Five of the sites (42Un3674, 42Un3678, 42Un3679, 42Un3680, and 42Un3681) are recommended as eligible to the NRHP (see Table 1). These consist of three prehistoric temporary camps (42Un3674, 42Un3678, and 42Un3680), a lithic scatter (42Un3679), and a rock art site (42Un3681). The prehistoric camps and lithic scatter are deemed eligible to the NRHP under Criterion D due to their potential to yield additional information on the prehistory of the area. One of the sites (42Un3674) contains three single-hand manos and a core, all located near overhangs that are potential rock shelters. Colluvial deposits cover the site area, and could obscure the presence of additional cultural materials. Another prehistoric temporary camp (42Un3680) contains a core, several flakes, and a fire-cracked rock concentration. Aeolian soils covering the site area could obscure the presence of additional cultural materials. Site 42Un3678 contains lithic debitage and nine tools, including an Elko Corner-notched projectile point base. The lithic scatter (42Un3679) contains 15 pieces of lithic debitage of a variety of material types, a core, and a utilized flake. It is located near an ephemeral wash, and alluvial soils in the area suggest the potential for buried cultural materials. The rock art site (42Un3681) is evaluated as eligible to the NRHP under Criteria C and D. It possesses high artistic values as it is one of the few rock art sites that have been identified in the immediate area, and has potential to yield information important to the prehistory of the area.

Eight of the sites are evaluated as not eligible to the NRHP (Table 1). The prehistoric site types include two lithic scatters (42Un3675 and 42Un3677). These sites lack temporal indicators and spatial patterning and occur on sediments that are unlikely to yield buried cultural materials. The remainder of the sites evaluated as not eligible to the NRHP include five historic temporary camps (42Un3669 through 42Un3673) and a site containing two cairns (42Un3676). These sites all possess a limited class of artifacts and little depth potential. They are common site types to the area, and are unlikely to contribute to the historic research domains of the area.

Table 1. Cultural Resources and NRHP Assessment

Site Number	Legal Description	Site Type	NRHP Assessment
42Un3669	T9S, R18E, S. 16 and 21	Historic Temporary Camp	Not Eligible
42Un3670	T9S, R18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3671	T9S, R18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3672	T 9S, R 18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3673	T 9S, R 18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3674	T 9S, R 18E, S. 2	Prehistoric Temporary Camp	Eligible, Criterion D
42Un3675	T 9S, R 18E, S. 2	Lithic Scatter	Not Eligible
42Un3676	T 9S, R 18E, S. 2	Cairns	Not Eligible
42Un3677	T 9S, R 18E, S. 2	Lithic Scatter	Not Eligible
42Un3678	T 9S, R 18E, S. 2	Prehistoric Temporary Camp	Eligible, Criterion D
42Un3679	T 9S, R 18E, S. 2	Lithic Scatter	Eligible, Criterion D
42Un3680	T 9S, R 18E, S. 2	Prehistoric Temporary Camp	Eligible, Criterion D
42Un3681	T 9S, R 18E, S. 2	Rock Art	Eligible, Criteria C & D

#### MANAGEMENT RECOMMENDATIONS

The inventory of T 9S, R 18E, Sections 2 and 16 on Eight Mile Flat for Inland Resources resulted in the identification of thirteen new archaeological sites (42Un3669 through 42Un3681). Five of the prehistoric sites (42Un3674, 42Un3678, 42Un3679, 42Un3680, and 42Un3681) are recommended as eligible to the NRHP under Criteria C and D. It is recommended that these sites be avoided by any future undertakings. Based on adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

## REFERENCES CITED

- Christensen, D.  
1981 Archaeological Survey of the Bonanza-Castle Peak-Upalco Transmission Line, Bonanza Power Plant Project 1981, Nickens and Associates, Montrose, Colorado. Report No. U-81-NH-429.
- Copeland, J.M and R.E. Fike  
1988 Fluted Projectile Points in Utah. In *Utah Archaeology 1988*, Salt Lake City.
- Hauck, F.R.  
1984 Cultural Resource Evaluation of Two Proposed Well Locations in the Pariette Bench Locality of Uintah County, Utah, Archeological-Environmental Research Corporation, Bountiful, Utah. Report No. U-84-AF-0205b.
- Holmer, R.  
1986 Projectile Points of the Intermountain West. In *Anthropology of the Desert West: Essays in Honor of Jesse D. Jennings*, edited by Carol J. Condie and Don D. Fowler, pp. 89-116. *University of Utah Anthropological Papers* No. 110. Salt Lake City.
- Horn, J.C., A.D. Reed, and S.M. Chandler  
1994 Grand Resource Area Class I Cultural Resource Inventory. Alpine Archaeological Consultants, Inc. Montrose. Bureau of Land Management, Moab, Utah.
- Marwitt, J.P.  
1970 Median Village and Fremont Culture Regional Variation. *University of Utah Anthropological Papers* No. 95. Salt Lake City.
- Norman, V.G. and F.R. Hauck  
1979 Archaeological Survey of Three Proposed Drill Locations and Access Roads in the Eightmile Flat Locality, Uintah County, Utah. Archeological-Environmental Research Corporation, Bountiful, Utah. Report No. U-79-AF-0328b.
- Reed A.D.  
1994 The Numic Occupation of Western Colorado and Eastern Utah during the Prehistoric and Protohistoric Periods. In *Across the West: Human Population Movement and the Expansion of the Numas*, edited by D.B. Madsen and D. Rhode, pp. 188-199. University of Utah Press, Salt Lake City.
- Shields, W.F.  
1970 The Fremont Culture in the Uinta Basin. Paper presented at the Fremont Culture Symposium, 35<sup>th</sup> Annual Meeting of the Society for American Archaeology, Mexico City.
- Spangler, J.D.  
1995 Paradigms and Perspectives, A Class I Overview of Cultural Resources in the Uinta Basin and Tavaputs Plateau, Volume II. Uinta Research, Salt Lake City, Utah.

Stokes, W.L.  
1986

*Geology of Utah*. Utah Museum of Natural History, University of Utah, Salt Lake City.

Tucker, G.C. Jr.  
1986

Results of Archaeological Investigations Along the Chevron CO-2/PO-4 Pipelines in Northeastern Utah and Northwestern Colorado. Manuscript on file, Bureau of Land Management, Vernal, Utah.

Wilson, A. And K.R. Montgomery

2004a

Cultural Resource Inventory of Inland Resources Block Survey on Eightmile Flat, Township 9 South, Range 18 East, Sections 17, 20, 21, in Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-04-MQ-800b.

2004b

Cultural Resource Inventory of Inland Resources Block Survey on Eightmile Flat, Township 9 South, Range 18 East, Sections 9, 10, 11, 14, 15 and 23, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-04-MQ-801b.

**APPENDIX A:  
INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM (IMACS)  
SITE INVENTORY FORMS  
42Un3669 through 42Un3681**

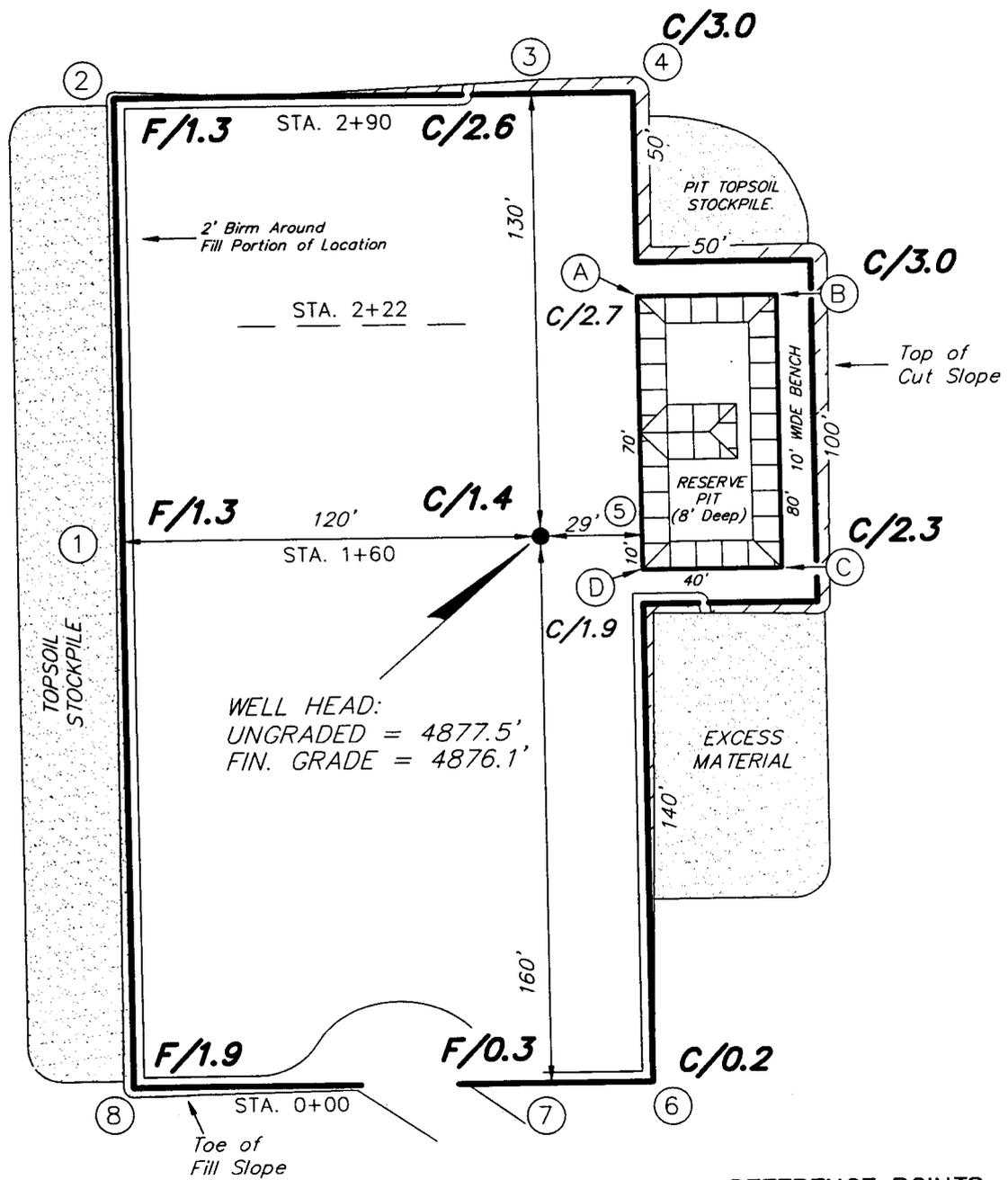
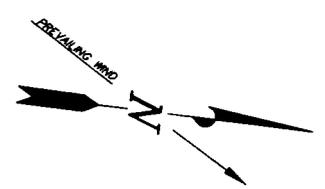
**On File At:**

**Utah Division of State History  
Salt Lake City, Utah**

# INLAND PRODUCTION COMPANY

STATE 5-2-9-18

Section 2, T9S, R18E, S.L.B.&M.



### REFERENCE POINTS

- 180' SW = 4878.5'
- 230' SW = 4877.6'
- 170' SE = 4874.0'
- 220' SE = 4873.2'

(435) 781-2501

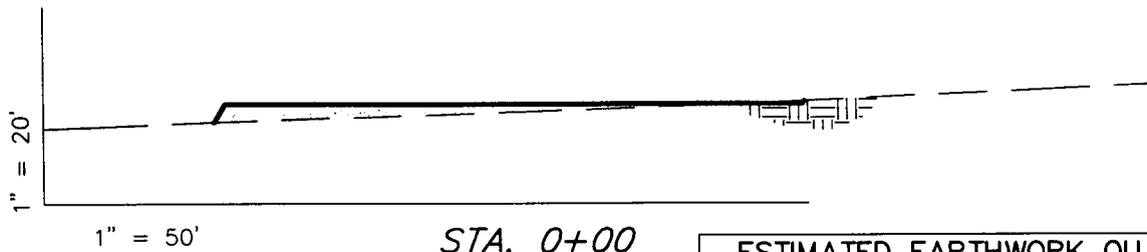
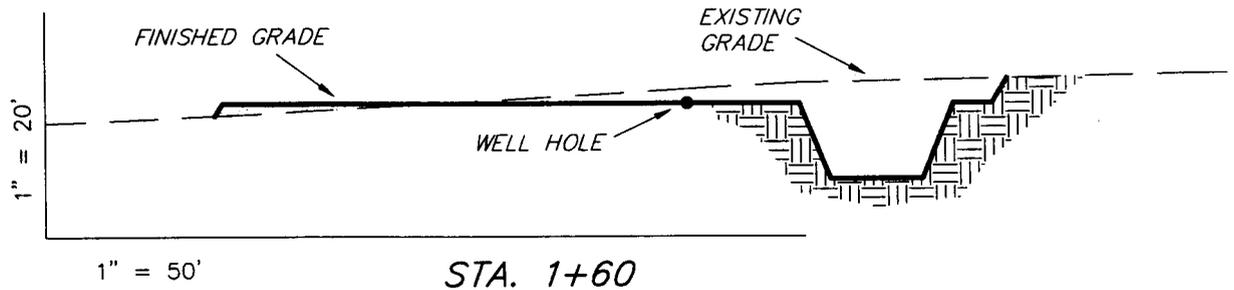
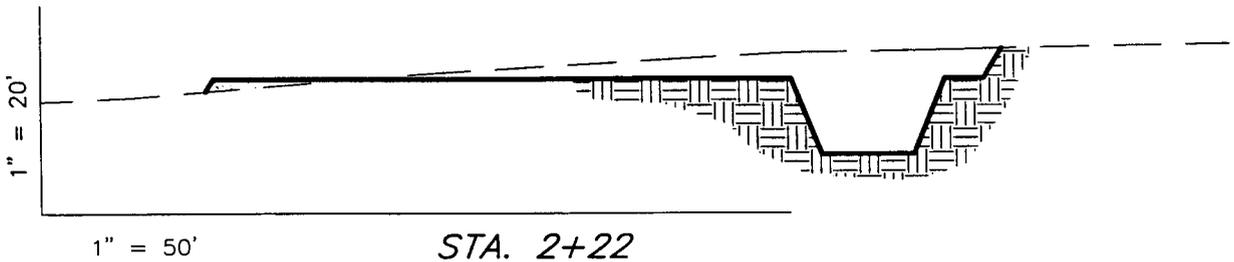
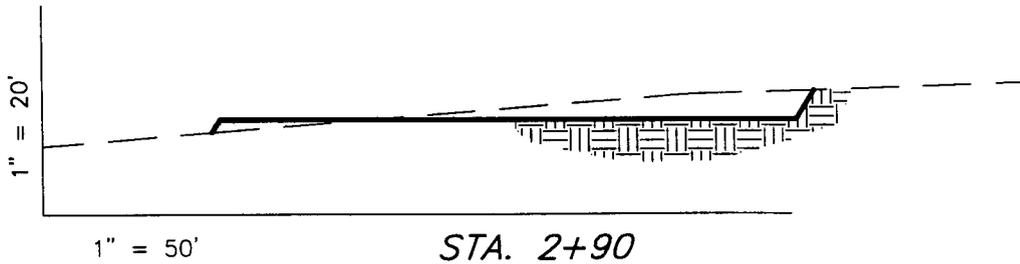
SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 3-23-04

**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

STATE 5-2-9-18



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,040	1,040	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	1,680	1,040	890	640

SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

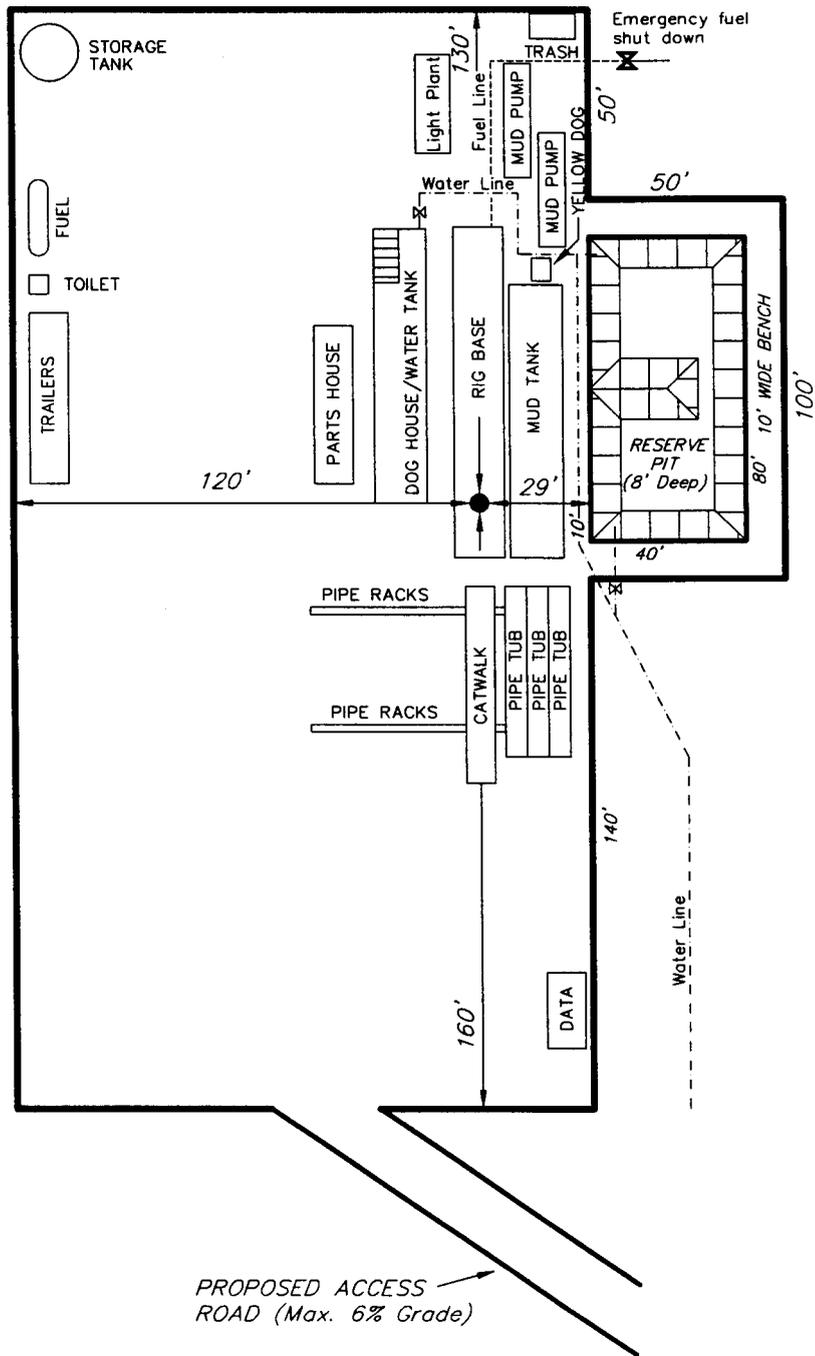
DATE: 3-23-04

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

STATE 5-2-9-18



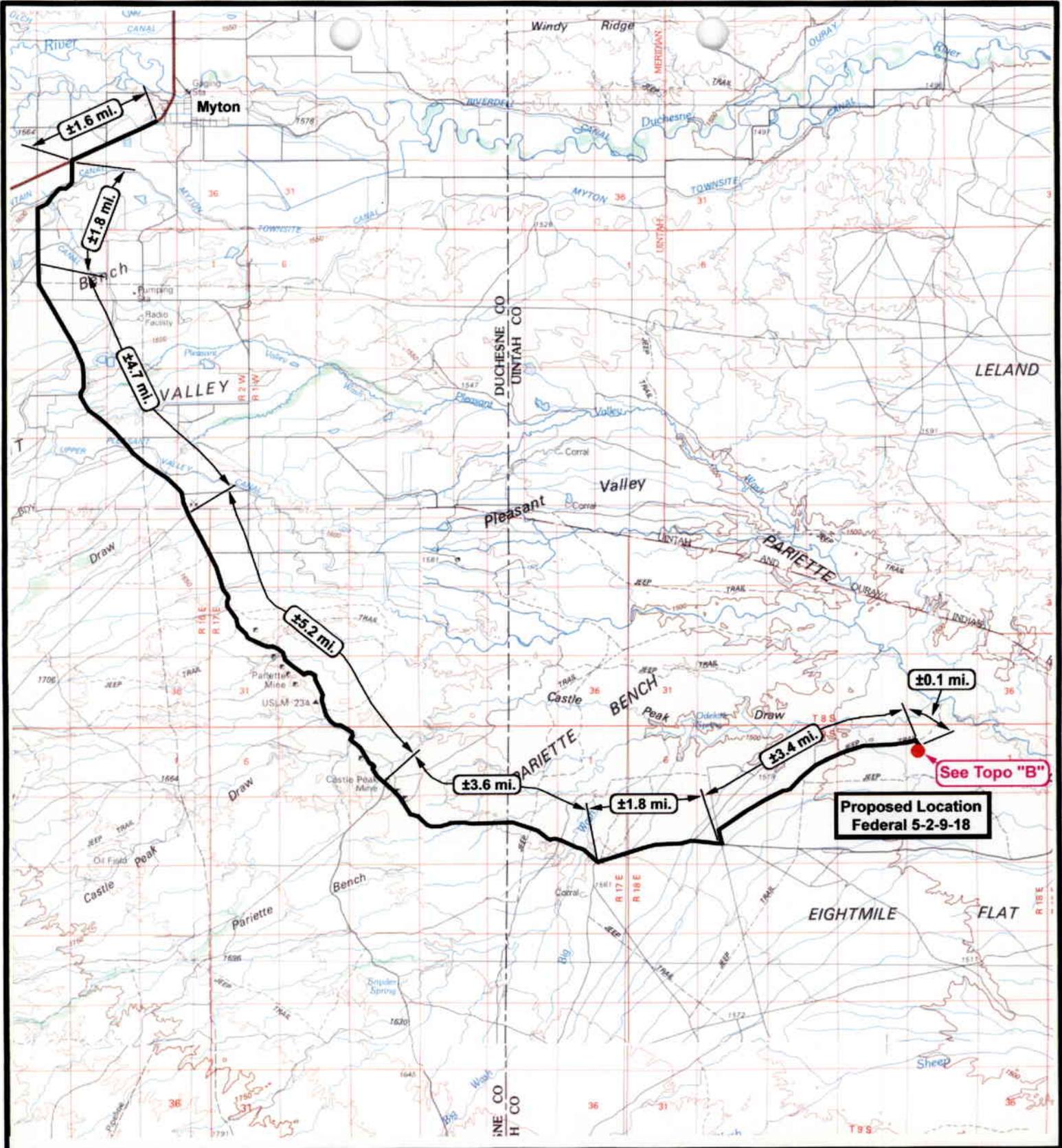
SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 3-23-04

Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Federal 5-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

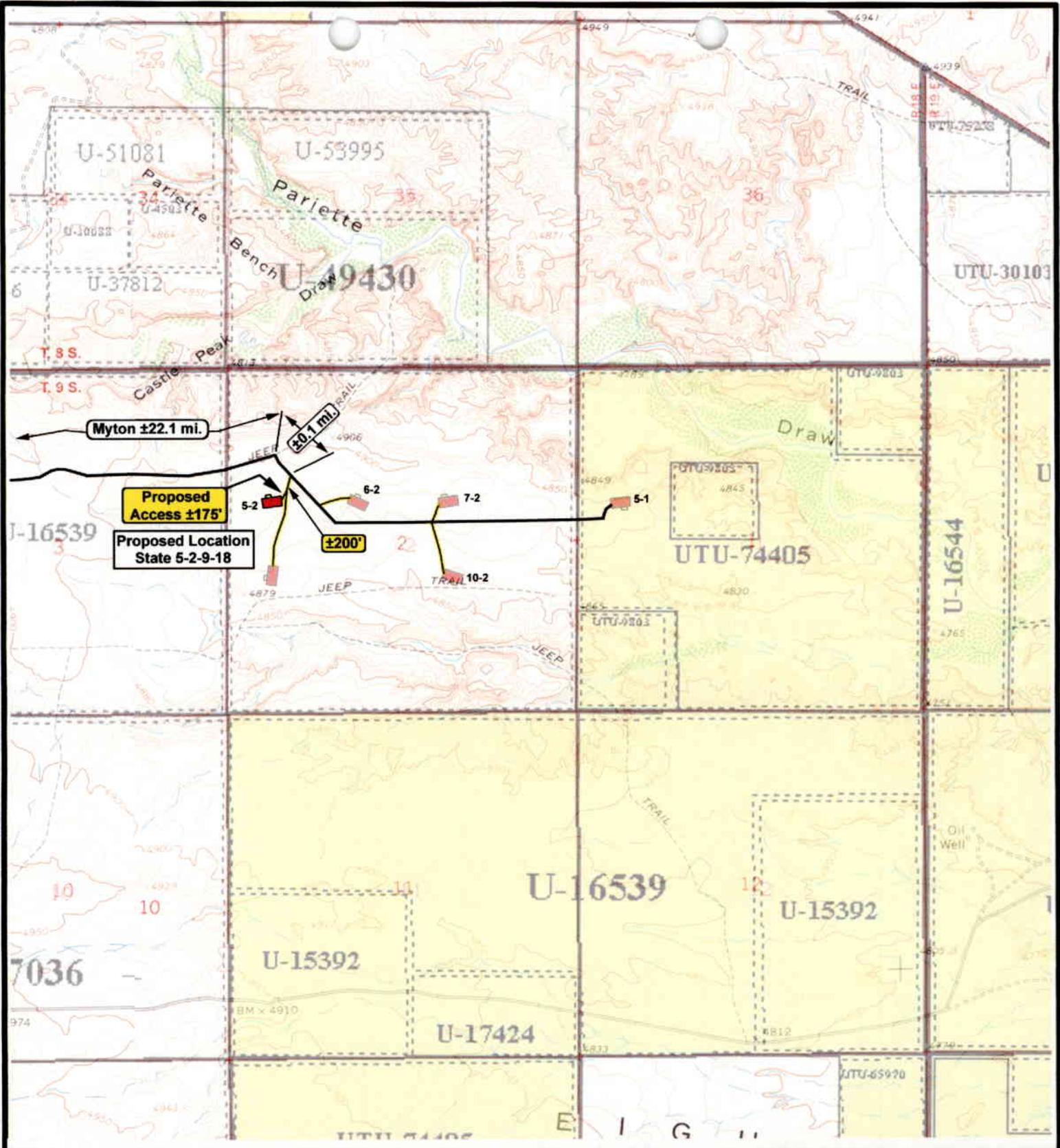
SCALE: 1 = 120,000  
 DRAWN BY: bgm  
 DATE: 03-29-2004

**Legend**

— Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

**"A"**



**State 5-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**



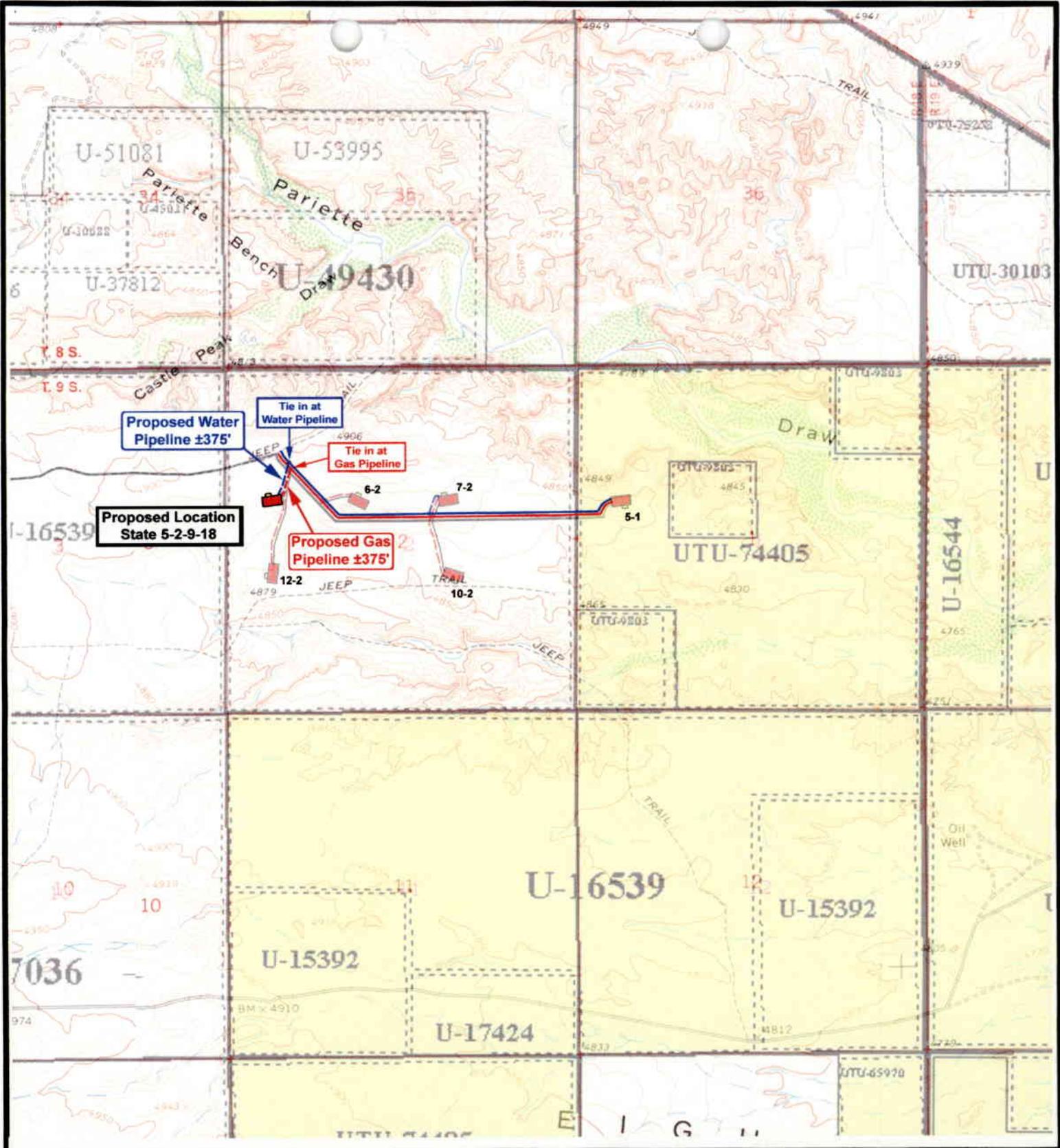
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 03-26-2004

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**  
**"B"**



**State 5-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**

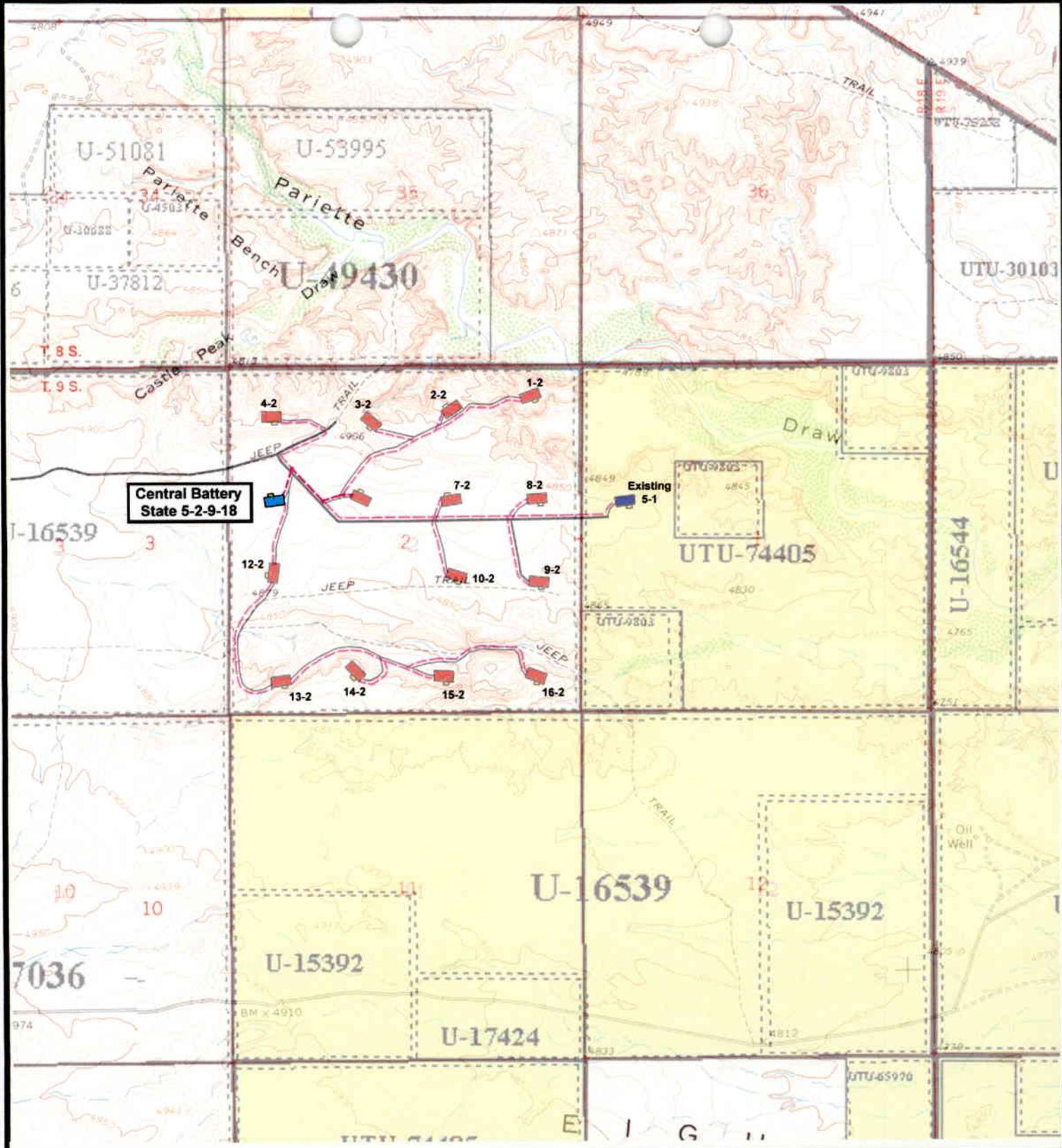


**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 03-26-2004

Legend	
	Roads
	Existing Gas Line
	Proposed Gas Line
	Existing Water Line
	Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**



**Central Battery  
State 5-2-9-18**

Existing  
5-1



**State 5-2-9-18 (Central Battery)  
SEC. 2, T9S, R18E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

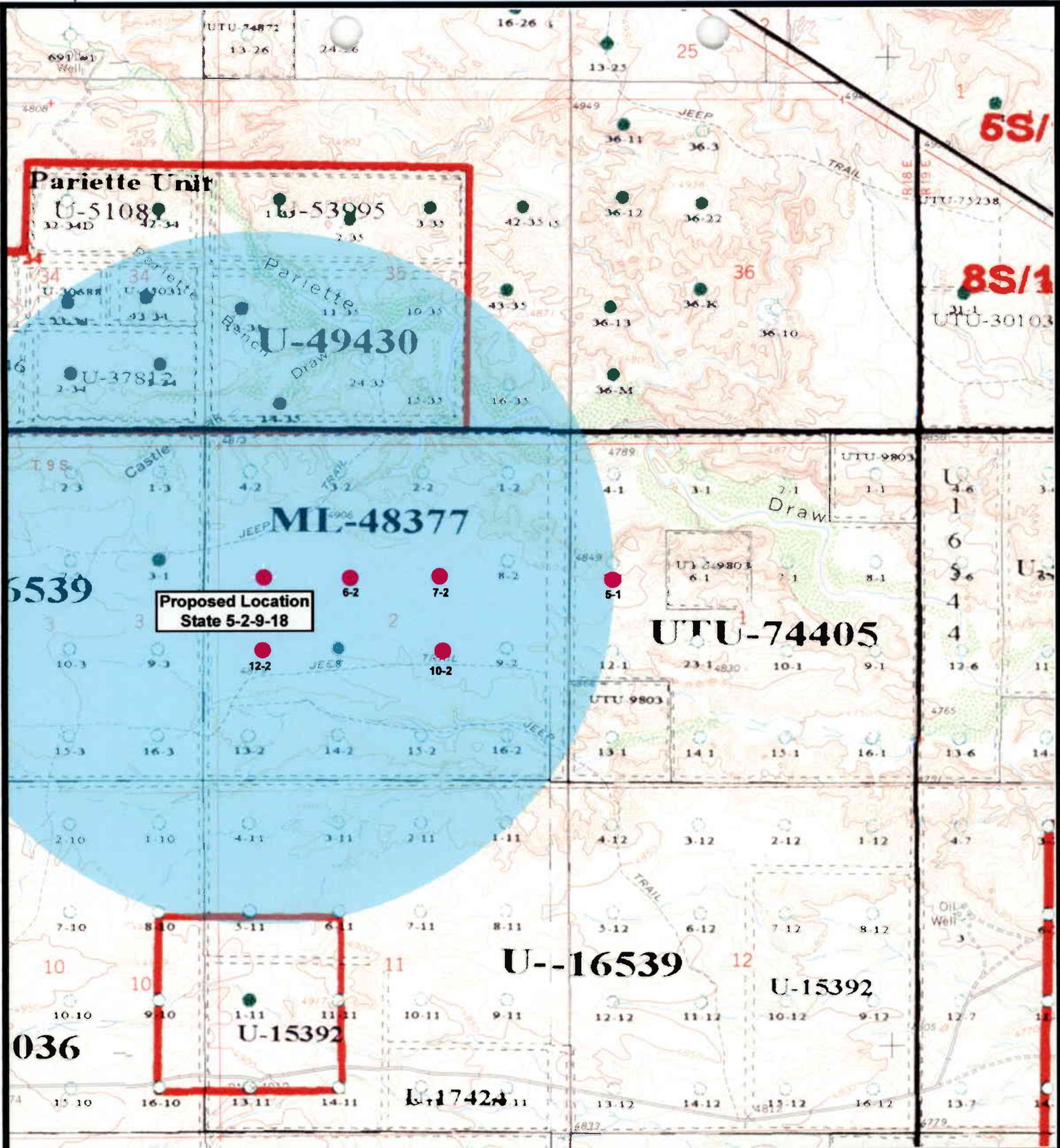
SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 05-20-2004

**Legend**

- Roads
- Proposed Flow Line

TOPOGRAPHIC MAP  
**"D"**





**State 5-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 03-26-2004

**Legend**

- Proposed Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

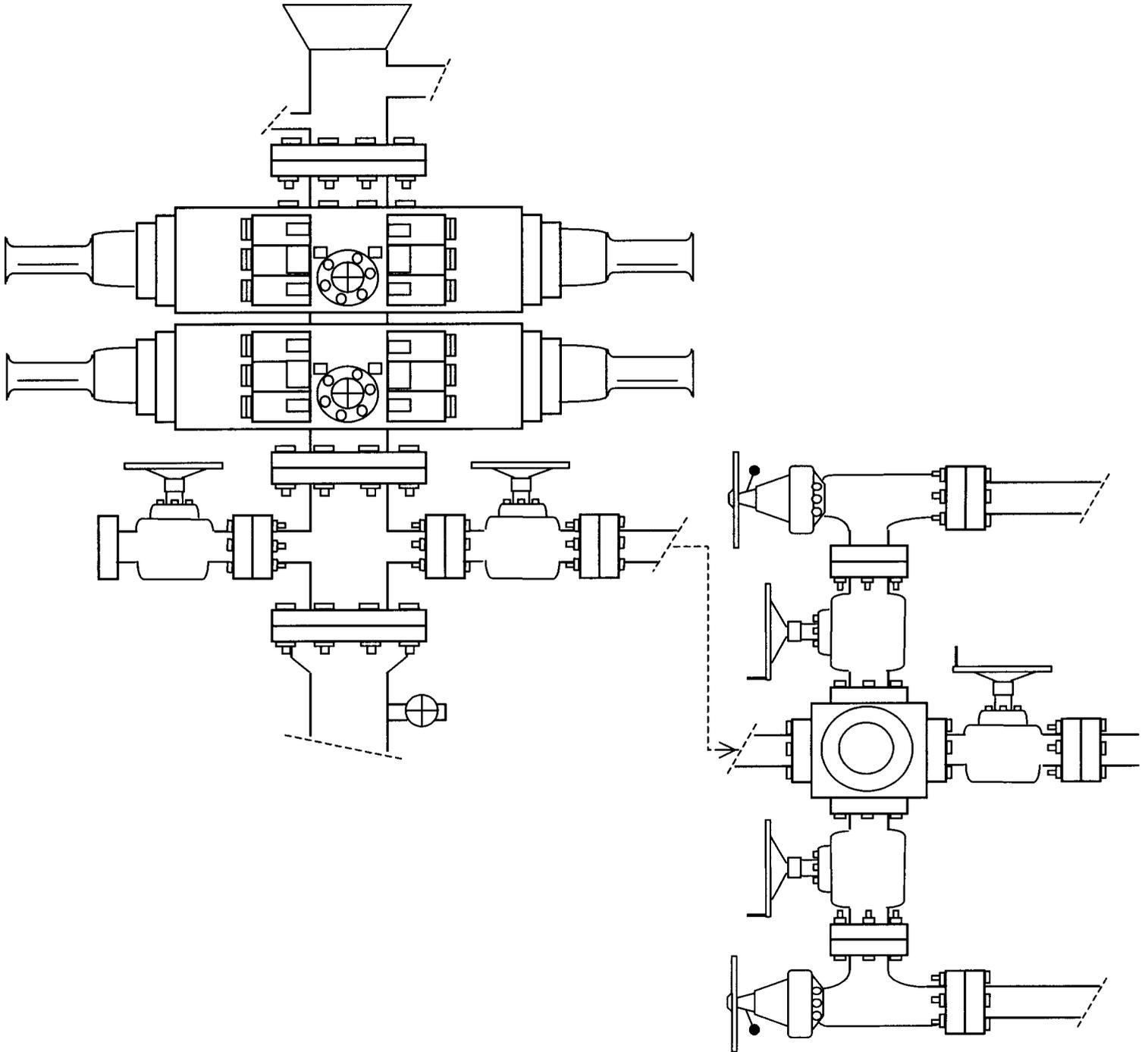


EXHIBIT C

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/03/2004

API NO. ASSIGNED: 43-047-35777

WELL NAME: STATE 5-2-9-18  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNW 02 090S 180E  
SURFACE: 1988 FNL 0660 FWL  
BOTTOM: 1988 FNL 0660 FWL  
UINTAH  
8 MILE FLAT NORTH ( 590 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	7/19/04
Geology		
Surface		

LEASE TYPE: 3 - State  
LEASE NUMBER: ML-48377 *OK*  
SURFACE OWNER: 3 - State  
PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

LATITUDE: 40.06162  
LONGITUDE: 109.86731

RECEIVED AND/OR REVIEWED:

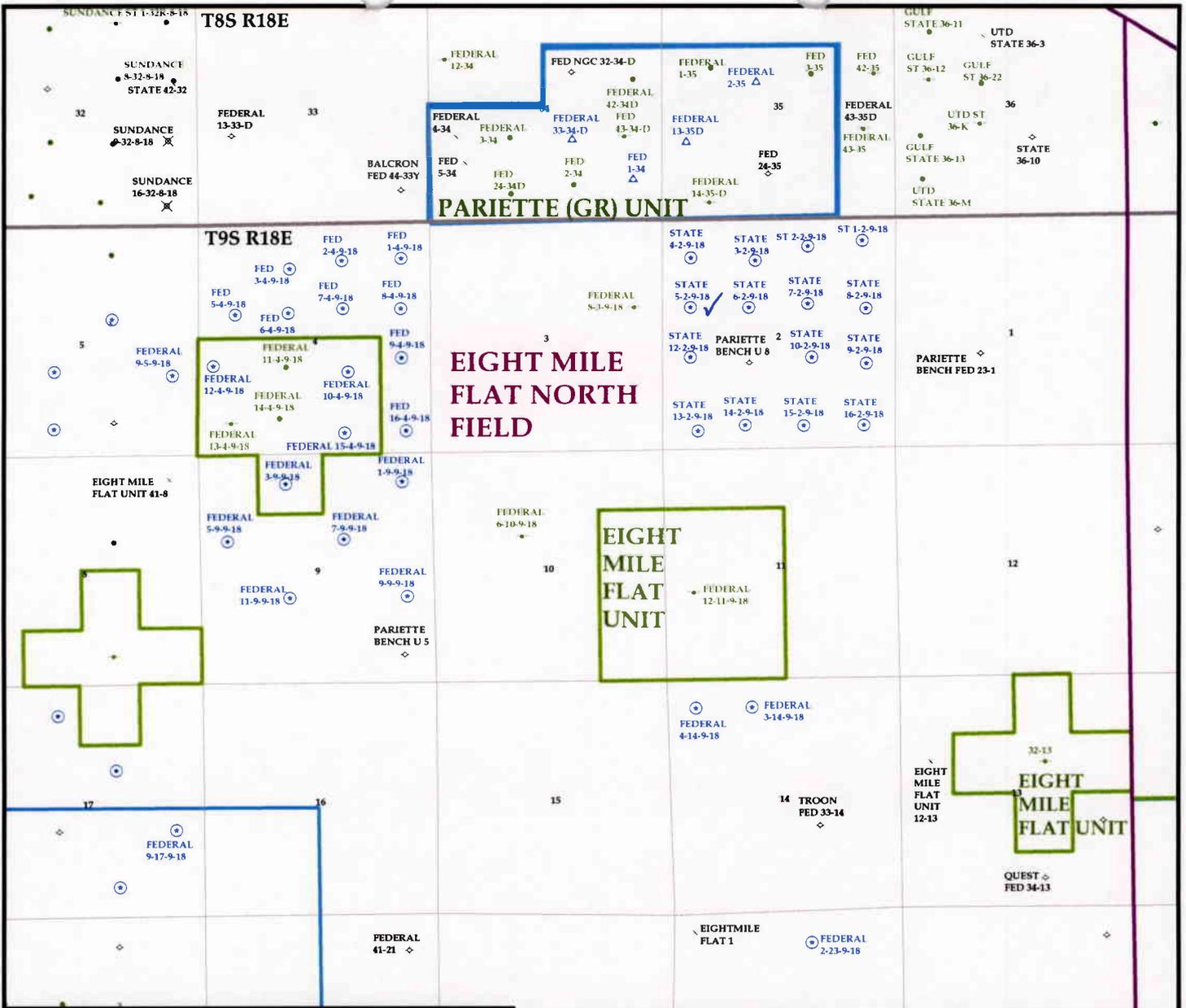
- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. 34BSBCO4369 *OK* )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

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 (06-24-04)

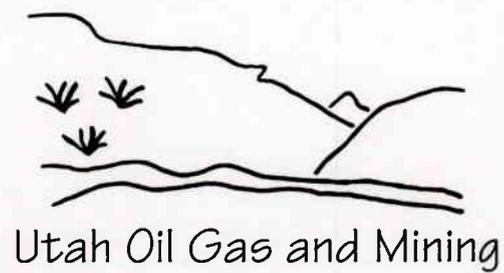
STIPULATIONS: 1- Spacing Strip  
2- Surface Csg Cont Strip  
3- STATEMENT OF BASIS



**OPERATOR: INLAND PRODUCTION CO (N5160)**  
**SEC. 2 T.9S, R.18E**  
**FIELD: EIGHT MILE FLAT NORTH (590)**  
**COUNTY: UINTAH**  
**SPACING: R649-3-2 / GENERAL SITING**

- Well Status**
- ⊕ GAS INJECTION
  - ◇ GAS STORAGE
  - ⊗ LOCATION ABANDONED
  - ⊕ NEW LOCATION
  - ◇ PLUGGED & ABANDONED
  - ⊕ PRODUCING GAS
  - PRODUCING OIL
  - ⊕ SHUT-IN GAS
  - SHUT-IN OIL
  - ⊗ TEMP. ABANDONED
  - TEST WELL
  - △ WATER INJECTION
  - ◆ WATER SUPPLY
  - ↗ WATER DISPOSAL

- Land Status**
- Private Not Classed
  - Forest Service
  - BLM
  - State Lands
  - Native American
  - Private
  - Military
  - National Parks
  - State Parks
  - State Wilderness
  - National Recreation
  - US Wildlife
  - Wilderness
  - Bankhead Jones
  - Sovereign Lands
  - Water
  - Intermittent Water
  - Section Line
  - Township Boundary



PREPARED BY: DIANA WHITNEY  
 DATE: 8-JUNE-2004

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** Inland Production Company  
**WELL NAME & NUMBER:** State #5-2-9-18  
**API NUMBER:** 43-047-35777  
**LOCATION:** 1/4,1/4 SW/NW Sec: 2 TWP: 9S RNG: 18E 1988' FNL 660' FWL

**Geology/Ground Water:**

Inland proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water and nearby wells.

**Reviewer:** Brad Hill **Date:** 07/01/04

**Surface:**

The Roosevelt Office conducted onsite with Inland for this well on June 24, 2004 to take input and address any concerns regarding the construction and drilling of said well. Ed Bonner with SITLA was notified by telephone and through email one week prior to the onsite visit to allow the landowner input regarding surface use. Likewise, Floyd Bartlett with UDWR was also notified to address any wildlife concerns they might have with this project. Representatives (Ed Bonner) from SITLA have given UDWR the authorization to provide reclamation seed mixture to DOGM and the operator for future reclamation use. No critical or sensitive wildlife species were documented by UDWR as a problem with this project. This well was staked within the 200-foot tolerance required by 40 acre spacing. Pariette Wash to northeast has surface water and vegetation indicating a potential for shallow ground water. Another pond and drainage system is also located south and west of this wellsite. Both of these drainages are far enough away from the location there might not be any ground water present, drilling will tell. Inland should construct the reserve pit and determine whether it will hold water or a liner is needed.

**Reviewer:** Dennis L. Ingram **Date:** June 29, 2004

**Conditions of Approval/Application for Permit to Drill:**

None.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

OPERATOR: Inland Production Company  
WELL NAME & NUMBER: State #5-2-9-18  
API NUMBER: 43-047-35777  
LEASE: ML-48377 FIELD/UNIT: Eight Mile Flat  
LOCATION: 1/4,1/4 SW/NW Sec: 2 TWP: 9S RNG: 18E 1988' FNL 660' FWL  
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.  
GPS COORD (UTM): X =0596622 E; Y =4435014 N SURFACE OWNER: SITLA

**PARTICIPANTS**

Dennis L. Ingram (DOGM) Brad Mecham (Inland) Floyd Bartlett (UDWR)

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Proposed 22 miles southeast of Myton, Utah on relatively flat bench north of Eight Mile Flat and southeast of Pariette Bench, overlooking Pariette Draw and/or wetlands, approximately 1.0 miles northeast of location. Shallow canyons and drainages break off from the northern portion of this section—in a northeasterly fashion—and provide run off into Pariette Wash, which has standing and flowing water that moves southeast toward the river. Another drainage runs from west to east along the southern portion of this section, which collects standing water or a large pond.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Domestic grazing, wildlife, recreational,

PROPOSED SURFACE DISTURBANCE: Proposed 175' of new access road plus location measuring 290'x 149' with reserve pit and surface soil storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 33-34; 43-34; 12-35; 2-34; 1-34; 14-34; 3-1; and a P&A marker in the NE/SW of this section

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: This wellsite has been proposed as a central battery for all wells in this section.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed material

ANCILLARY FACILITIES: None requested

**WASTE MANAGEMENT PLAN:**

Submitted to the division with Application to Drill

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: N/A

FLORA/FAUNA: Shadscale, Globe Mallow, Russian Thistle, Aster; High value yearlong antelope range, two active prairie dog holes, no borrowing owl droppings, smaller mammals and birds.

SOIL TYPE AND CHARACTERISTICS: Tan fine grained sandy loam

SURFACE FORMATION & CHARACTERISTICS: Uintah

EROSION/SEDIMENTATION/STABILITY: No erosion, minor sedimentation, no stability problems

PALEONTOLOGICAL POTENTIAL: None observed during onsite

**RESERVE PIT**

CHARACTERISTICS: Proposed on north side of location in cut measuring 90'x 40'x 8' deep—wellhead and reserve pit are adjacent to prevailing winds.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points

**SURFACE RESTORATION/RECLAMATION PLAN**

According to landowner agreement or stipulations by SITLA at time of reclamation

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Submitted to the division with Application to Drill

**OTHER OBSERVATIONS/COMMENTS**

Surface slopes gently toward the south but is relatively flat, drainage to north and south,

**ATTACHMENTS**

Photos of this location were taken and placed on file.

Dennis L. Ingram  
DOGM REPRESENTATIVE

June 23, 2004 2:45 PM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      15      (Level II      Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.







07-04 Inland 5-2-9-18

Casing Schematic

Surface Strip

200' BMSW

Uinta

Surface

8-5/8"  
MW 8.4  
Frac 19.3

TOC @  
43.  
Surface  
290. MD

w/ 18% Washout  
12% → Surface

TOC @  
625.

BHP

$(.052)(8.4)(6500) = 2839$   
Anticipated 2000

$(.12)(6500) = 780$

$(.22)(6500) = 1430$

MASP - 1409

BOPE - 2000 ✓

Surf/sg - 2950  
70% = 2065

Test to 2000 psi ✓

Adequate DWD 7/19/04

1700 Green River

w/ 15% Washout  
11% → Surface

3965  
TOC Tail

Washout

5-1/2"  
MW 8.4

Production  
6500. MD

Well name:	<b>07-04 Inland 5-2-9-18</b>	
Operator:	<b>Inland Production Company</b>	
String type:	Surface	Project ID: 43-047-35777
Location:	Uintah County	

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 69 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

Cement top: 43 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.436 psi/ft  
Calculated BHP 127 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 253 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 6,500 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,836 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 290 ft  
Injection pressure 290 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	290	8.625	24.00	J-55	ST&C	290	290	7.972	14
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	127	1370	10.826	127	2950	23.31	6	244	40.12 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: July 8,2004  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 290 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>07-04 Inland 5-2-9-18</b>	
Operator:	<b>Inland Production Company</b>	
String type:	Production	Project ID: 43-047-35777
Location:	Uintah County	

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.436 psi/ft  
Calculated BHP: 2,836 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 5,674 ft

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 156 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 625 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.424	2836	4810	1.70	101	217	2.15 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: July 8, 2004  
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

July 19, 2004

Inland Production Company  
Route #3 Box 3630  
Myton, Utah 84052

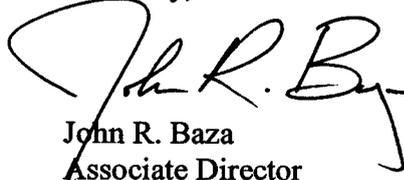
Re: State #5-2-9-18 Well, 1988' FNL, 660' FWL, SW NW, Sec. 2, T. 9 South,  
R. 18 East, Uintah County, Utah

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.

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 43-047-35777.

Sincerely,



John R. Baza  
Associate Director

jc  
Enclosures

cc: Uintah County Assessor  
SITLA

Operator: Inland Production Company  
Well Name & Number State #5-2-9-18  
API Number: 43-047-35777  
Lease: ML-48377

Location: SW NW Sec. 2 T. 9 South R. 18 East

### 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**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. Surface casing shall be cemented to the surface.

7. 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.

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: STATE 5-2-9-18Api No: 43-047-35777 Lease Type: STATESection 02 Township 09S Range 18E County UINTAHDrilling Contractor NEWFIELDS RIG # 1**SPUDDED:**Date 11/06/2004Time 9:30 AMHow DRY**Drilling will commence:** \_\_\_\_\_Reported by RAY HERRERATelephone # 1-435-823-1990Date 11/08/2004 Signed CHD

006

RECEIVED

NOV 16 2004

Inland

115160

PAGE 02

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

DIV. OF OIL, GAS & MINING

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12704	43-013-32554	BlackJack Federal 7-5-9-17	SW/NE	5	9S	17E	Duchesne	November 4, 2004	11/18/04
WELL 1 COMMENTS: GRRV											
A	99999	14389	43-047-35777	State 5-2-9-18	SW/NW	2	9S	18E	Utah	November 6, 2004	11/18/04
WELL 2 COMMENTS: GRRV											
A	99999	14390	43-047-35811	State 1-16-9-18	NE/NE	16	9S	18E	Utah	November 08, 2004	11/18/04
WELL 3 COMMENTS: GRRV											
A	99999	14391	43-047-35166	Federal 9-12-9-17	NE/SE	12	9S	17E	Utah	November 11, 2004	11/18/04
WELL 4 COMMENTS: GRRV											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 5 COMMENTS:											

K

K

K

K

INLAND

4356463031

11/15/2004 17:06

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

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

*Kebbie S. Jones*  
Signature

Kebbie S. Jones

Production Clerk  
Title

November 15, 2004  
Date

0469

007

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML48377

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT 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.

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
STATE 5-2-9-18

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4304735777

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Mvton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: SWNW 1988FNL 660 FWL

COUNTY: Uintah

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SW/NW, 2, T9S, R18E

STATE: Utah

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

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will

SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of Work Completion:

08/11/2004

ACIDIZE

ALTER CASING

CASING REPAIR

CHANGE TO PREVIOUS PLANS

CHANGE TUBING

CHANGE WELL NAME

CHANGE WELL STATUS

COMMINGLE PRODUCING FORMATIONS

CONVERT WELL TYPE

DEEPEN

FRACTURE TREAT

NEW CONSTRUCTION

OPERATOR CHANGE

PLUG AND ABANDON

PLUG BACK

PRODUCTION (START/STOP)

RECLAMATION OF WELL SITE

RECOMPLETE - DIFFERENT FORMATION

REPERFORATE CURRENT FORMATION

SIDETRACK TO REPAIR WELL

TEMPORARILY ABANDON

TUBING REPAIR

VENT OR FLAIR

WATER DISPOSAL

WATER SHUT-OFF

OTHER: - Spud Notice

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

On 11-7-04 MIRU NDSI spud rig #1. Drill 335' of 12 1/4" hole with air mist. TIH W/8 Jt's 8 5/8" J-55 24# csgn. Set @ 337.63'KB. On 11-7-04 Cement with 150 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 3 bbls cement to pit.

RECEIVED  
NOV 10 2004  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Justin Crum

TITLE Drilling Foreman

SIGNATURE

DATE November 08, 2004

(This space for State use only)

008

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML48377

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  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
STATE 5-2-9-18

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4304735777

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1988 FNL 660 FWL

COUNTY: Uintah

STATE: Utah

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SW/NW, 2, T9S, R18E

RECEIVED  
DEC 21 2004

DIV. OF OIL, GAS & MINING

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

TYPE OF ACTION

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<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"/> TEMPORARITLY 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 FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/14/2004	<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/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

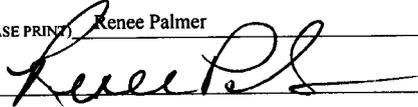
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Status report for time period 12/01/04 – 12/14/04

Subject well had completion procedures initiated in the Green River formation on 12/01/04 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5865-5869'), (5792-5797'), (5708-5713'), (5682-5688') (ALL 4 JSPF); #2 (5593-5598'), (5545-5549') (ALL 4 JSPF); #3 (4280-4303') (4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 12/10/04. Bridge plugs were drilled out. Well was cleaned out to PBSD @ 5948'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 5854.51'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12/14/04.

NAME (PLEASE PRINT) Renee Palmer

TITLE Production Clerk

SIGNATURE 

DATE December 15, 2004

009

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML48377

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  GAS WELL  OTHER

8. WELL NAME and NUMBER:

STATE 5-2-9-18

2. NAME OF OPERATOR:

Newfield Production Company

9. API NUMBER:

4304735777

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

Monument Butte

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1988 FNL 660 FWL

COUNTY: Uintah

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NW, 2, T9S, R18E

STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will <u>12/14/2004</u>	<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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY 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 FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<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.

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 01-25-05

By: [Signature]

COPY SENT TO OPERATOR

Date: 1-25-05

Initials: CHD

NAME (PLEASE PRINT) Mandie Crozier

TITLE Regulatory Specialist

SIGNATURE [Signature]

DATE January 20, 2005

(This space for State use only)

RECEIVED

JAN 25 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD



January 19, 2005

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attn: Ms. Carol Daniels

State 1-16-9-18 (43-047-35811)  
**State 5-2-9-18 (43-047-35777)**  
Blackjack Fed. 7-5-9-19 (43-013-32554)  
Blackjack Fed. 1-5-9-19 (43-013-32555)  
Federal 7-12-9-17 (43-047-35165)

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris  
Engineering Tech

Enclosures

cc: Bureau of Land Management  
Vernal District Office, Division of Minerals  
Attn: Edwin I. Forsman  
170 South 500 East  
Vernal, Utah 84078

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver  
Renee Palmer/Roosevelt

RECEIVED  
JAN 21 2005

DIV. OF OIL, GAS & MINING

010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 1b. TYPE OF WELL  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
ML-48377  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME, WELL NO.  
State 5-2-9-18

2. NAME OF OPERATOR  
Newfield Exploration Company

9. WELL NO.  
43-047-35777

3. ADDRESS AND TELEPHONE NO.  
1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT  
Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface 1988' FNL & 660' FWL (SW NW) Sec. 2, Twp 9S, Rng 18E  
 At top prod. Interval reported below

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 2, T9S, R18E

At total depth  
 14. API NO. 43-047-35777 DATE ISSUED 7/19/2004  
 12. COUNTY OR PARISH Uintah 13. STATE UT

15. DATE SPUDDED 11/6/2004 16. DATE T.D. REACHED 11/16/2004 17. DATE COMPL. (Ready to prod.) 12/14/2004  
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4878' GL 4890' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6000' 21. PLUG BACK T.D., MD & TVD 5948' 22. IF MULTIPLE COMPL., HOW MANY\*  
 23. INTERVALS DRILLED BY -----> 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River  
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log  
 27. WAS WELL CORED No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	338'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5986'	7-7/8"	310 sx Premlite II and 375 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5854'	TA @ 5752'

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

INTERVAL	SIZE	SPR/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP 2, 3, 4, 5)				
5682-88', 5708-13', 5792-97', 5865-89'	.41"	4/80	5682'-5869'	Frac w/ 30,341# 20/40 sand in 359 bbls fluid.
(CP.5) 5545'-5549'	.41"	4/16	5545'-5549'	Frac w/ 29,861# 20/40 sand in 340 bbls fluid.
(GB4) 4280'-4303'	.41"	4/92	4280'-4303'	Frac w/ 77,833# 20/40 sand in 591 bbls fluid.

33.\* PRODUCTION

DATE FIRST PRODUCTION 12/14/2004 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 14' RHAC Pump WELL STATUS (Producing or shut-in) PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			→	17	0	8	0

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

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available reports  
 SIGNED Brian Harris TITLE Engineering Technician DATE 1/18/2005

RECEIVED  
JAN 21 2005

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TRUE
				MEAS. DEPTH	VERT. DEPTH
			Well Name State 5-2-9-18	Garden Gulch Mkr	3787'
				Garden Gulch 1	3993'
				Garden Gulch 2	4110'
				Point 3 Mkr	4373'
				X Mkr	4590'
				Y-Mkr	4624'
				Douglas Creek Mkr	4752'
				BiCarbonate Mkr	5009'
				B Limestone Mkr	5155'
				Castle Peak	5534'
			Basal Carbonate	5930'	
			Total Depth (LOGGERS)	5995'	



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

011

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:		<b>9/1/2004</b>
<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: (New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

**CA No. Unit:**

<b>WELL(S)</b>									
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 6-11-9-17	11	090S	170E	4304735769		Federal	OW	APD	K
STATE 1-2-9-18	02	090S	180E	4304735773		State	OW	APD	K
STATE 2-2-9-18	02	090S	180E	4304735774		State	OW	APD	K
STATE 3-2-9-18	02	090S	180E	4304735775		State	OW	APD	K
STATE 4-2-9-18	02	090S	180E	4304735776		State	OW	APD	K
STATE 5-2-9-18	02	090S	180E	4304735777	14389	State	OW	P	K
STATE 6-2-9-18	02	090S	180E	4304735778		State	OW	APD	K
STATE 16-2-9-18	02	090S	180E	4304735779		State	OW	APD	K
STATE 15-2-9-18	02	090S	180E	4304735780		State	OW	APD	K
STATE 14-2-9-18	02	090S	180E	4304735781		State	GW	APD	K
STATE 13-2-9-18	02	090S	180E	4304735782		State	OW	APD	K
STATE 12-2-9-18	02	090S	180E	4304735783		State	OW	APD	K
STATE 10-2-9-18	02	090S	180E	4304735784		State	OW	APD	K
STATE 9-2-9-18	02	090S	180E	4304735785		State	OW	APD	K
STATE 8-2-9-18	02	090S	180E	4304735786		State	OW	APD	K
FEDERAL 9-9-9-18	09	090S	180E	4304735764		Federal	OW	APD	K
FEDERAL 7-9-9-18	09	090S	180E	4304735765		Federal	OW	APD	K
FEDERAL 5-9-9-18	09	090S	180E	4304735766		Federal	OW	APD	K
FEDERAL 3-9-9-18	09	090S	180E	4304735767		Federal	OW	APD	K
FEDERAL 1-9-9-18	09	090S	180E	4304735768		Federal	OW	APD	K

**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: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **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 BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The 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: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER 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: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



## Daily Activity Report

Format For Sundry

**STATE 5-2-9-18**

**7/1/2008 To 11/30/2008**

**9/5/2008 Day: 1**

**Recompletion**

NC #2 on 9/4/2008 - Hot oiler had pumped 65 BW down csg @ 250°. MIRU NC #2. RD pumping unit. Soft seat rods & pump. Fill tbg w/ 10 BW & pressure test tbg to 3000 psi. Unseat rod pump. Flush tbg & rods w/ 40 BW @ 250°. TOH w/rods as detailed below. LD 84- 3/4" plain rods & 16- 3/4" guided rods due to planned changes in rod string. Flush tbg & rods w/ additional 20 BW @ 250° halfway out of hole. LD pump. Pump had light show of scale. X-over for tbg. ND wellhead. Release TA. NU BOPs. RU rig floor. PU 2- jts tbg & tag fill @ 5901' (no new fill). TOH w/ tbg as detailed below. Flushed tbg w/ 30 BW @ 250° during TOH. RU Perforators LLC. RIH w/ 4.75" gauge ring & 7' perf gun to 4950'. Perforate D2 sands from 4834-4841' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 holes. POOH w/ wireline. RD Perforators LLC. PU Weatherford TS plug & HD packer. TIH w/ 71- jts of 2 7/8" N-80 tbg, PU from trailer (tallying & drifting). SDFN.

**9/6/2008 Day: 2**

**Recompletion**

NC #2 on 9/5/2008 - Continue to PU 2 7/8" N-80 workstring, PU total of 155- jts. Set LS RBP @ 4900' & HD packer @ 4871'. Fill tbg & pressure test tools to 2000 psi. Release HD packer. PUH & set packer w/ CE @ 4720' & EOT @ 4730'. RU hot oiler & break down D2 sands @ 4000 psi, Establish injection rate of 1 BPM @ 3200 psi. RD hot oiler. RU BJ services. 45 psi on well. Fill annulus & hold pressure w/ rig pump during frac. Frac D2 sds down tbg w/ 42,481#'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Broke @ 3400 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 4056 psi @ ave rate of 16.2 BPM. ISIP 1637 psi. Flow well back @ 3 BPM starting w/ 28/64 choke. Flow well back until dead. Recovered 166 BW. Release HD packer. RU swab equipment. Made 13- swab runs w/ SFL @ surface & EFL @ 3200'. Recovered total of 135 bbls of fluid. Ending w/ approx. 20% oil cut, good show of gas & no show of sand. SDFN.

**9/9/2008 Day: 3**

**Recompletion**

NC #2 on 9/8/2008 - TIH & tag fill @ 4865'. Clean out to RBP @ 4900'. Circulate well clean. Latch onto & release TS RBP. TOH w/ 2 7/8" N-80 workstring (LD on trailer). TIH w/ production tbg as follows: 2 7/8" NC, 1- jt 2 7/8" J-55 tbg, SN, 1- jt 2 7/8" tbg, TA, 180- jts 2 7/8" J-55 tbg. PU tbg & tag fill @ 5901'. Clean out to PBTD @ 5948', circulate well clean. LD tbg used to clean out. Set TA @5807 w/ 16000# tension. RD rig floor. ND BOPs. NU wellhead. Flush tbg w/ 60 BW @ 250°. X-over for rods. PU & prime Central Hydraulic 2 1/1" X 1 3/4" X 17' X 20' RHAC rod pump. TIH w/ rods as follows: 6- 1 1/2" weight rods, 127- 3/4" guided rods, 100- 7/8" guided rods, 6',4' X 7/8" pony rods, 1 1/2" X 26' polished rod. Fill tbg w/ 4 BW & test to 200 psi. Rod pump acted sticky & would not stroke properly. Line up hot oiler to pump 100 BW down annulus @ 250° by 7:00 am 9-9-08. SDFN.

**9/10/2008 Day: 4**

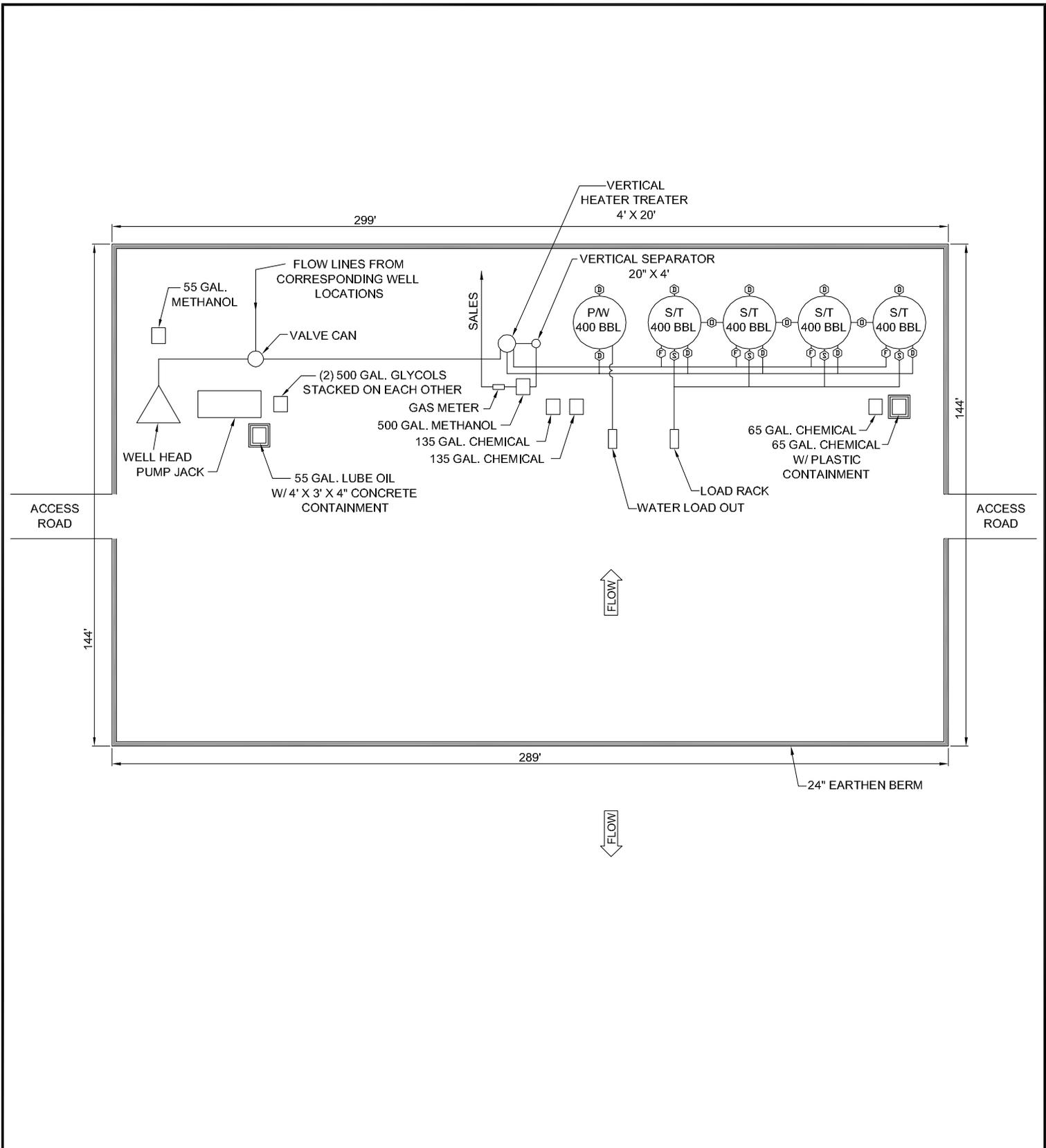
**Recompletion**

NC #2 on 9/9/2008 - Hot oiler had pumped 100 BW down annulus @ 250°. Seat pump & attempt to stroke. Plunger was not stroking properly. Unseat rod pump. Flush tbg w/ 40 BW @ 250°. Seat pump & attempt to stroke w/o success. TOH w/

- rods as detailed below. LD pump, pull rod was stuck open. Wait for new pump. Broke pump down & found rag to be left in pump barrel from repair shop. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 17' X 20' RHAC rod pump. TIH w/ rods as detailed below. Fill tbg w/ 2 BW & test to 200 psi. Stroke test pump w/ rig to 800 psi. RU pumping unit. Stroke test pump w/ unit to 800 psi. RDMOSU. PWOP @ 12:30 PM w/ 88" SL & 4.6 SPM. Final Report!
- 

**Pertinent Files: Go to File List**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-48377	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> STATE 5-2-9-18	
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047357770000	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1988 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 02 Township: 09.0S Range: 18.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH	
		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/6/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" 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" value="Site Facility/Site Security"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
SEE ATTACHED REVISED SITE FACILITY DIAGRAM			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 08, 2014</b>			
<b>NAME (PLEASE PRINT)</b> Jill L Loyle		<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/6/2014	



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION

Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Open	No
O	Overflow	Open/Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Open/Closed	No
S	Sales	Closed	Yes

Valve Type

D - Drain Valve
F - Flow Valve
O - Overflow
V - Vent
R - Recycle
B - Blow Down
S - Sales Valve

Federal Lease #: UTU-87538X (ML-48377)  
 This lease is subject to the Site Security Plan for:  
 Newfield Exploration Company  
 19 East Pine Street  
 Pinedale, WY 82941



**STATE 5-2-9-18**  
 Newfield Exploration Company  
 SWNW Sec 2, T9S, R18E  
 Uintah County, UT

POSITION OF VALVES AND USE OF SEALS DURING SALES

Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Closed	Yes
O	Overflow	Closed	Yes
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Open	No

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN

Valve	Line Purpose	Position	Seal Installed
D	Drain	Open	No
F	Oil, Gas, Water	Closed	No
O	Overflow	Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Closed	Yes

M.G.

DEC 2012



Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 21, 2014

CERTIFIED MAIL NO.: 7011 2970 0001 8828 1559

Mr. Kirby Carroll  
Newfield Production Company  
1001 17<sup>th</sup> Street, STE 2000  
Denver, CO 80202

43 047 35777  
State 5-2-9-18  
2 95 18E

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Carroll:

As of April 2014, Newfield Production Company (Newfield) has eighteen (18) State Lease Wells and three (3) Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Fifteen (15) wells were added to Newfield's SI/TA list in 2014.

Six (6) of these wells (attachment A) have previously been issued notices of non-compliance and were later granted extensions which have since expired in August, 2013. Five (5) of these wells (attachment A) have been shut-in beyond five (5) years and are cause for concern due to possible surface issues. The Gulf State wells were inspected by the Division and the State of Utah School & Institutional Trust Lands Administration (SITLA) recently showing multiple issues on site. These wells need to be addressed immediately and comply with rule R649-3-36-1.3.3 concerning the length of time SI/TA.

The State 16-2 well has known surface issues. It has been shut-in for over 50 years. The Division had previously granted SI/TA extension for the State 16-2 based on well integrity and under the intention of waiting for water flood expansion. The area was drilled for 20 acre wells in early 2013; therefore the reason for the State 16-2 remaining shut-in is no longer valid.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1)
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and



Page 2  
Newfield Production Company  
August 21, 2014

3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

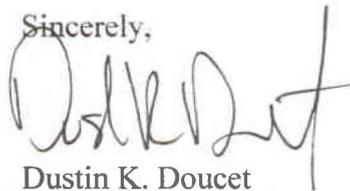
Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js

cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Prior Notice
1	STATE 16-2	43-013-30552	ML-3453B	50 years 3 months	2 <sup>nd</sup> NOTICE
2	SUNDANCE 16-32-8-18	43-047-34466	ML-22058	10 years 3 months	2 <sup>nd</sup> NOTICE
3	GULF STATE 36-22	43-047-31892	ML-22057	7 years 3 months	2 <sup>nd</sup> NOTICE
4	GULF STATE 36-13	43-047-31345	ML-22057	6 years 6 months	1 <sup>ST</sup> NOTICE
5	GULF STATE 36-12	43-047-31864	ML-22057	5 years 3 months	1 <sup>ST</sup> NOTICE
6	NGC ST 33-32	43-047-31116	ML-22058	2 years 5 month	1 <sup>ST</sup> NOTICE
7	ASHLEY ST 12-2-9-15	43-013-32576	ML-43538	1 year 5 months	
8	ODEKIRK SPRING 4-36-8-17	43-047-32764	ML-44305	1 year 6 months	
9	GMBU G-32-8-16	43-013-50835	ML-21836	2 years 8 months	
10	HANCOCK 11-23-4-1	43-047-33081	FEE	1 year 3 months	
11	MOON 3-20-4-2	43-013-50007	FEE	1 year 1 month	
12	S MON BUTTE ST P-2-9-16	43-013-50118	ML-21839	1 year 9 months	
13	STATE 2-2-9-18	43-047-35774	ML-48377	2 years 2 months	
14	STATE 3-16-9-18	43-047-35813	ML-48378	1 year 1 month	
15	STATE 5-2-9-18	43-047-35777	ML-48377	1 year 2 months	
16	STATE 5-36-8-15	43-013-34230	ML-21835	1 year 11 months	
17	STATE 6-36-8-15	43-013-34229	ML-21835	3 years 3 months	
18	STATE 7-2-9-18	43-047-35787	ML-48377	1 year 5 months	
19	TERRY-PREWITT 11-19-4-1	43-013-50074	FEE	2 years 2 months	
20	WELLS DRAW 4-32-8-16	43-013-32222	ML-21836	1 year 2 months	
21	WELLS DRAW ST 7-36	43-013-30934	ML-21835	1 year	