



WADE E. MILLER, PH.D.
Paleontological Consultant
2871 Indian Hills Dr. • Provo, Utah 84604
Phone (801) 375-5058 FAX (801) 375-2151

JUL 21 1999

July 13, 1999

School and Institutional Trust lands Administration
Attn: Mr. Kenny Wintch
675 East 500 South, Suite 500
Salt Lake City, UT 84102

Dear Kenny:

Enclosed is a report for the paleontological field survey performed by me on July 12, 1999 on State lands representing potential well sites to be developed. An earlier survey in the general area was also made by me last October in which a couple of important fossils were discovered. Additionally, on a school field trip which I conducted in the general area last April, a student found a partial jaw of a primitive horse-like animal — a significant find.

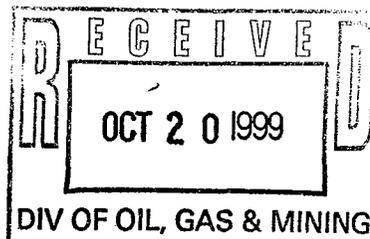
The current paleontological survey covered a fairly broad area covering three U.S.G.S. 7.5' quadrangle maps. The sites are designated as the Ashley unit (well numbers 1-2 and 8-2), the Wells Draw expansion unit (well numbers 9-32, 15-32 and 16-32), the Lone Tree unit (well number 10-16) and the Castle Peak Draw unit (well number 14-2). The only exposed rock units in the region are the Eocene age Uinta Formation (which as indicated in the report, yields many significant to very significant fossils) and Quaternary alluvium. Thus far no important fossils have apparently been found in these units in the region.

Although turtle shell fragments were found at both the Lone Tree and Castle Draw well sites, they were too fragmented to be considered important. However, the potential exists for more complete ancient turtle material at these sites, and that would then be significant. Fossil crocodylian specimens are much more uncommon in the Uinta Basin, and all identifiable specimens are regarded as important. A crocodile vertebra was found at the Castle Peak Draw well site (as given in the report) that came from an animal approximately 15 feet or more in length. Therefore, this well site should be closely monitored by a qualified paleontologist during any land disturbances in the area. And for any extensive excavation to the Uinta Formation at the other sites, they should also be monitored.

If there is further information that I might provide, please contact me at the numbers given above.

Sincerely,


Wade E. Miller
Consulting Paleontologist



INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PROJECT DEVELOPMENT AREAS
SOUTHEASTERN DUCHESNE COUNTY, UTAH**

REPORT OF SURVEY

**By Wade E. Miller, Ph. D.
Consulting Paleontologist**

**2871 Indian Hills Drive
Provo, Utah 84604
Tel: 801.375.5058
Fax: 801.375.2151**

July 17, 1999

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PROJECT DEVELOPMENT AREAS
SOUTHEASTERN DUCHESNE COUNTY, UTAH

1

INTRODUCTION

July 1, 1999, Scott Billat of the Springville, Utah office of JBR Environmental Consultants, Inc. made contact with Wade Miller, paleontologist. Mr. Billat indicated that Inland Resources of Denver, Colorado needed a paleontological field survey made of selected areas to be developed within the oil fields about 10 to 12 miles south and southwest of Myton, Duchesne County, Utah. The specific areas targeted for possible future development by Inland Resources, and now paleontologically surveyed, are: the NE, SE, and SW quarters of the SE 1/4, Sec. 32, T8S, R16E; the NE and SE 1/4, NE 1/4, Sec. 2, T9S, R15E; the NW 1/4, SE 1/4, Sec. 16, T9S, R17E and the SE 1/4, SE 1/4, SW 1/4, the SW, SE, and NE quarters of the SE 1/4, and the SE and NE 1/4 of Sec. 10, T9S, R17E as well as the SW 1/4, SW 1/4, SW 1/4, Sec. 2, T9S, R17E.

Paleontological field surveys typically rely on geologic maps in order to determine the geologic formation(s) and age(s) of rocks. Relevant geologic maps were reviewed for this information relative to the present area to be investigated. This type of map information also helps indicate the types of fossils that might be present. This information thus obtained showed that all the above areas exposed either the late Eocene age (40 to 45 million years ago) Uinta Formation or else Quaternary age (1.8 million to present) alluvial sediments. As determined by the Utah State Paleontologist's office, the Uinta Formation is one of Utah's paleontologically most sensitive of all the state's geologic formations. It includes dozens of important fossils, many restricted to the age of this formation. The North American Land Mammal Age for the late Eocene is based on mammals from this formation. The Uinta Formation is variegated in color

throughout the Uinta Basin and is composed mostly of fluvial and floodplain deposits, but 2
contains lacustrine ones as well. The fluvial deposits consist of coarse sandstones, mostly as
stream deposits that currently are expressed in sinuous ridges because of their resistance to
erosion. Floodplain deposits are generally finer grained, ranging from fine sands, through silts, to
muds. Lacustrine deposits usually consist of muds, clays and some limestones which commonly
are green or greenish in color. All the above sediments are known to contain fossils. Known
fossils represent a variety of plants, a few types of invertebrates and large numbers of vertebrate
fossils. The latter include fish, limited lizards and rare snakes, abundant turtles, occasional
crocodiles, a few birds, and a multitude of mammals.

Before the field survey began, Blaine Phillips of the regional BLM office at Vernal, Utah,
and Martha Hayden of the Utah State Paleontologist's office in Salt Lake City, were contacted.
This was done in order to determine whether fossil sites in the area to be surveyed as described
above were present but unknown to me. Mr. Phillips had a copy of an unpublished paleontological
report made by Mr. Alden Hamblin (1994) for the PG & E Wells Draw Unit near the present
areas of study. I received a copy of this report to study before the present paleontological field
survey was made on July 13, 1999. Reports of other fossil finds from the general area had already
been accessible, and reviewed. Additionally, geological and topographic maps covering the
investigated area were studied. These items are all contained in my files. A copy of a letter
showing State fossil sites along with a site locality form are included in this report.

RESULTS OF SURVEY

Due to the discontinuous nature of the oil field roads in the study area, it took several
attempts to locate the four areas to be surveyed as listed above. Nevertheless, each site was

eventually accurately located and surveyed on foot. The first investigated site consisted of the 3 three 1/16th section plots in the SE 1/4, Sec. 32, T8S, R16E. Wells Draw, a major drainage channel in the area, runs through the southern half of the study area. Within it exposed units of sandstone, tan to dark brown, make up the channel walls. The only fossils found in the area were burrowing structures made by an unknown invertebrate. They are locally common. Quaternary sediments along the base of the channel did not reveal any fossils. The same was true for the nearly flat expanse to the north of the channel including the northern portion of the area surveyed.

The second area checked for fossils was the eastern half of the NE 1/4, Sec. 2, T9S, R15E. Most of this area was covered in rock rubble resting in and on a thin desert soil. A small arroyo cuts across the northernmost portion of this proposed site. In it are thin lenses of sandstone and silty shale in situ. No fossils were found throughout this area.

Much of the third area, NW 1/4, SE 1/4, Sec. 16, T9S, R17E consists of an ancient, now elevated because of resistant sandstone, stream channel with a present shallow arroyo running along its northern flank. Light colored coarse to fine sandstone units make up this ridge. Some burrow structures similar to those seen at the first site occur in the sandstones. Turtle shell pieces were also found here as loose fragments on the lower slope of the ridge in the southeast corner of the surveyed area.

The fourth and last area surveyed is also the largest. However, much of it is soil covered and does not show the underlying Uinta Formation. But two arroyos that run through the designated area do expose portions of the formation. Some turtle shell fragments, but more importantly a crocodile vertebra, were found in this arroyo in the center of the NE 1/4, SE 1/4, Sec. 10, T9S, R17E.

RECOMMENDED MITIGATION

4

No fossils of importance are known in the desert soil cover of the region, and apparently none have been found in the Quaternary alluvium that fills some of the arroyos/draws. However, the Uinta Formation with its numerous fossils does underlie these deposits, usually at shallow depth. Exposed Uinta Formation at the four listed sites above did not yield important fossils, with one exception. This is the crocodile vertebra found in the arroyo near the center of the NE 1/4, SE 1/4, Sec. 10, T9S, R17E. If any excavation takes place here, careful examination needs to be made by a trained paleontologist. The fossilized burrow structures seen at sites listed above are not deemed paleontologically significant. Since turtle shell fragments are so abundant throughout the Uinta Basin, in and of themselves they too are not considered very important. However, if larger to complete or nearly complete portions of turtle shell occur, especially if other skeletal elements are present, then they do become significant fossils. While no mammalian fossils were discovered during the present survey, they have the potential of occurring in the Uinta Formation and are considered very important. Therefore, when excavations of even moderate extent are made invasive to this formation, a paleontologist should be present to salvage any important fossils uncovered.

With the exception of the site yielding the crocodile vertebra, there is no paleontological reason why projected development plans for the areas surveyed cannot be carried out. Again, though, it is very important that a qualified vertebrate paleontologist be on hand when significant excavations are made anywhere within the Uinta Formation.

Wade E. Miller, Ph.D.

PALEONTOLOGY ATTACHMENT

Locality No.(s) 42 Dc. 335 V

1. Type of Locality: Invertebrate Plant Vertebrate Trace Other

2. Formation/Horizon/Geologic Age: JUNTA FORMATION / LATE EOCENE

3. Description of Geology and Topography: SANDSTONES, SILTSTONES & MUDSTONES OF THE JUNTA FM. WIDELY EXPOSED WITH COAL COVER IN MUCH OF THE AREA. COLORS RANGE FROM DARK TO LIGHT BROWN FOR COARSER SEDIMENTS AND RED - PURPLE - GREEN (VARIEGATED) FOR MUDSTONES. FLUVIAL & FLOODPLAIN DEPOSITS UNDERGOING EROSION ON IRREGULAR SURFACES

4. Location of Outcrop: OUTCROP LOCATED ABOUT 1/2 MILE SOUTH OF MYTON

5. Map Ref.: USGS Quad: PARLETTE DRAW SW Scale 1:24000 Min. 7.5' Ed. 1964
CENTER of NE 1/4 of SE 1/4 of Sec. 10 T. 9S R. 17E Meridian SLC

6. County DUCHESNE 7. Federal Admin. Unit(s) _____

8. Specimens Collected and Field Accession No.: CROCODILE VERTEBRA (MISSING NEURAL ARCH) REPRESENTING AN INDIVIDUAL 15 FEET OR MORE IN LENGTH
FIELD # WEM 99-3

9. Repository: BRIGHAM YOUNG UNIVERSITY PALEONTOLOGY COLLECTIONS

10. Specimens Observed and Disposition: IN ADDITION TO VERTEBRA LISTED ABOVE A NUMBER OF TURTLE SHELL FRAGMENTS OBSERVED BUT NOT COLLECTED

11. Ownership: Priv. State BLM USFS NPS Ind. Mil. Other

12. Recommendations for Further Work or Mitigation: QUALIFIED PALEONTOLOGIST TO BE AT SITE IF ANY EXCAVATIONS TAKE PLACE

13. Type of Map made by Recorder: PHOTOCOPY OF 7.5' QUADRANGLE (AS ABOVE)

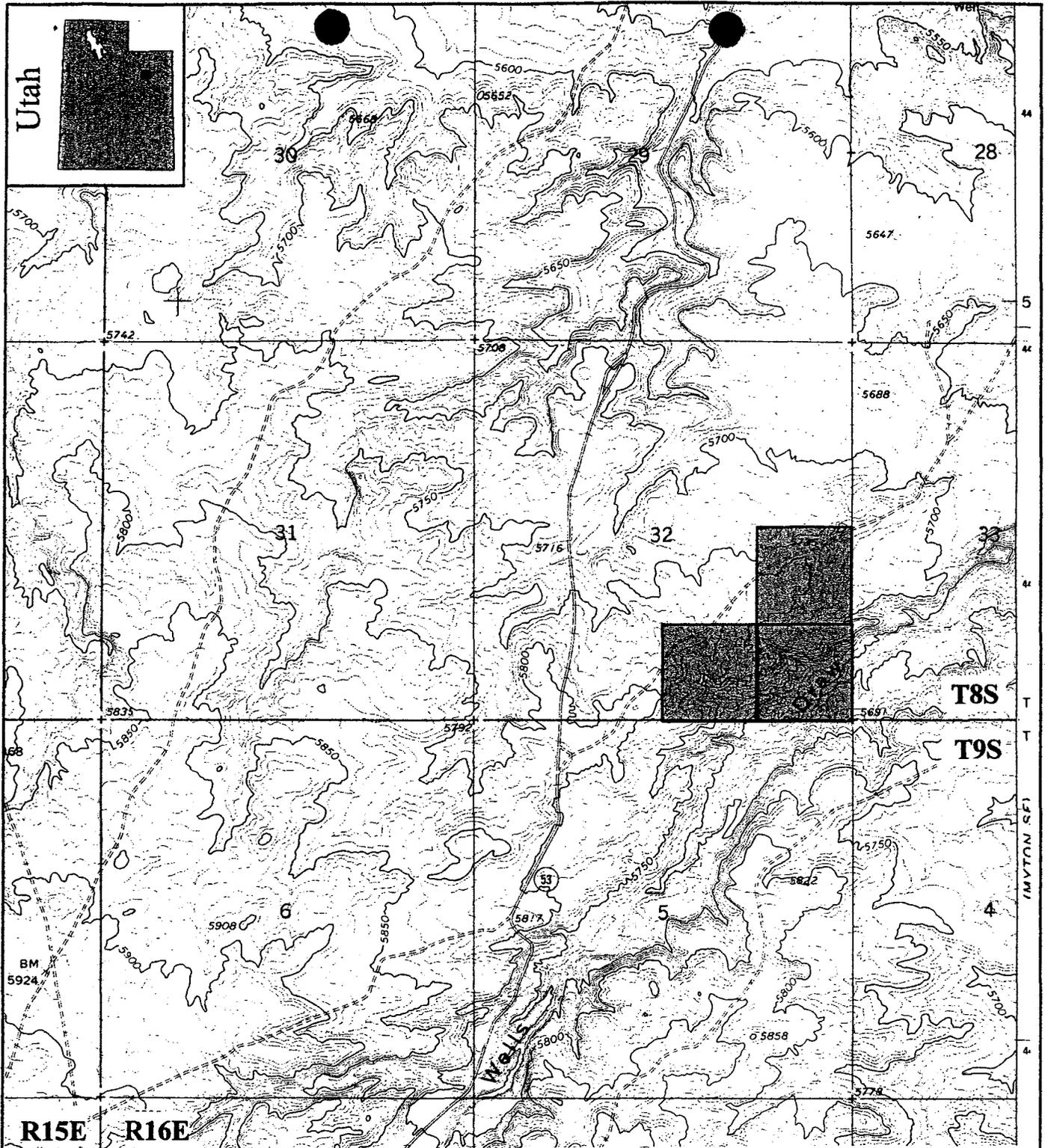
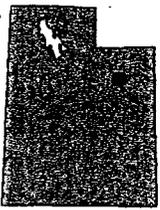
14. Published References: NONE

15. Remarks: POTENTIAL MODERATE FOR VERTEBRATE FOSSILS IN THIS AREA

16. Sensitivity: Critical Significant Important Insignificant

17. Recorded by: WADE E. MILLER

Utah



R15E R16E

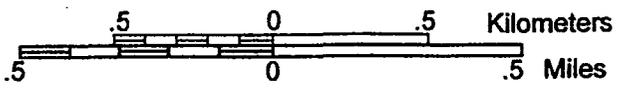
T8S
T9S

KEY:

BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT

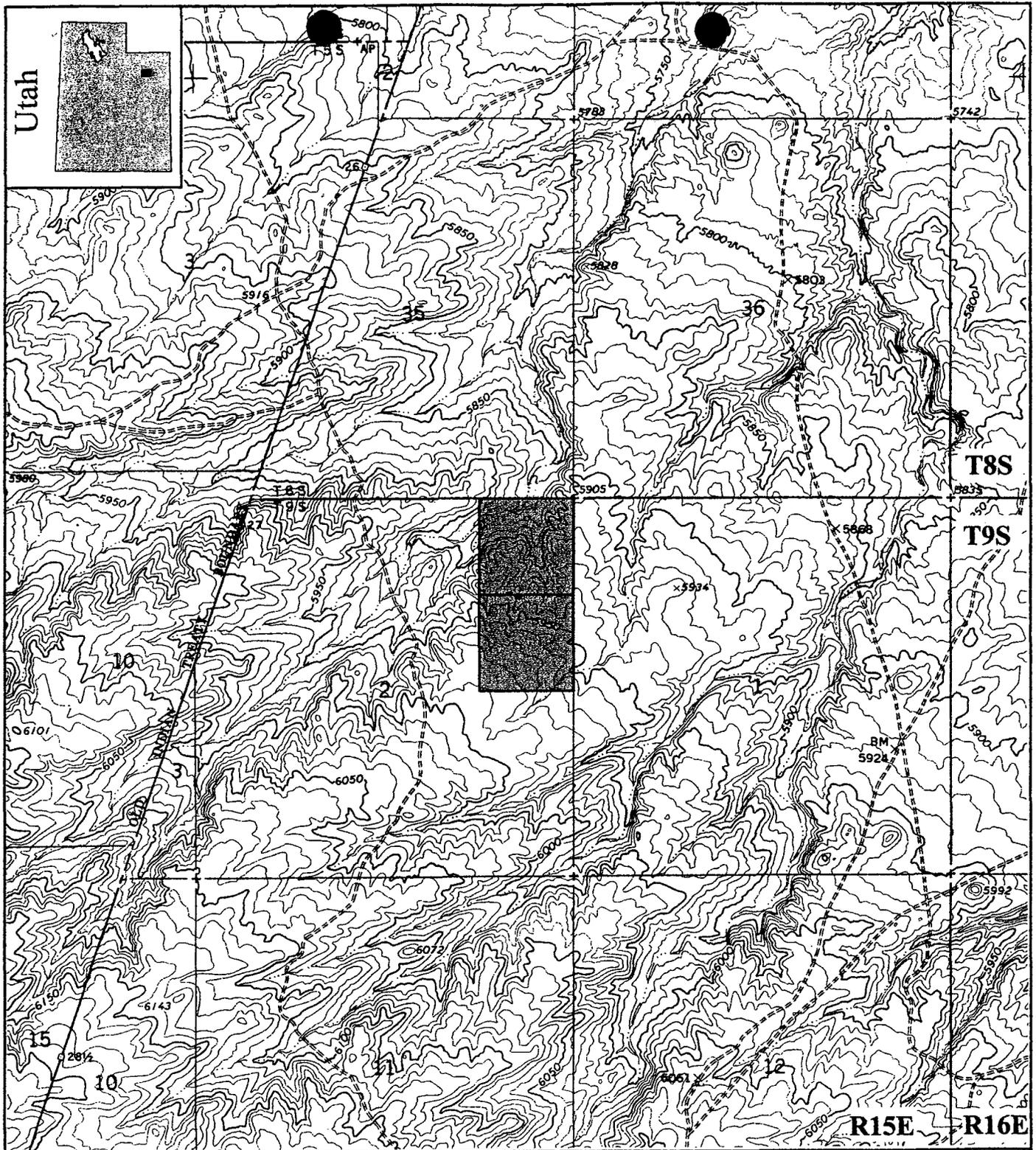
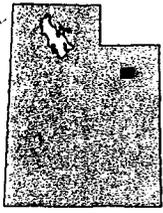
INLAND RESOURCES

FIGURE 3
PROJECT AREA
AND CULTURAL RESOURCES



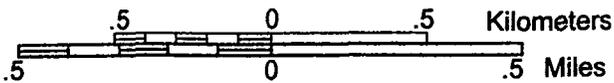
jbr
environmental consultants, inc.
Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada

Utah



KEY:

BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT



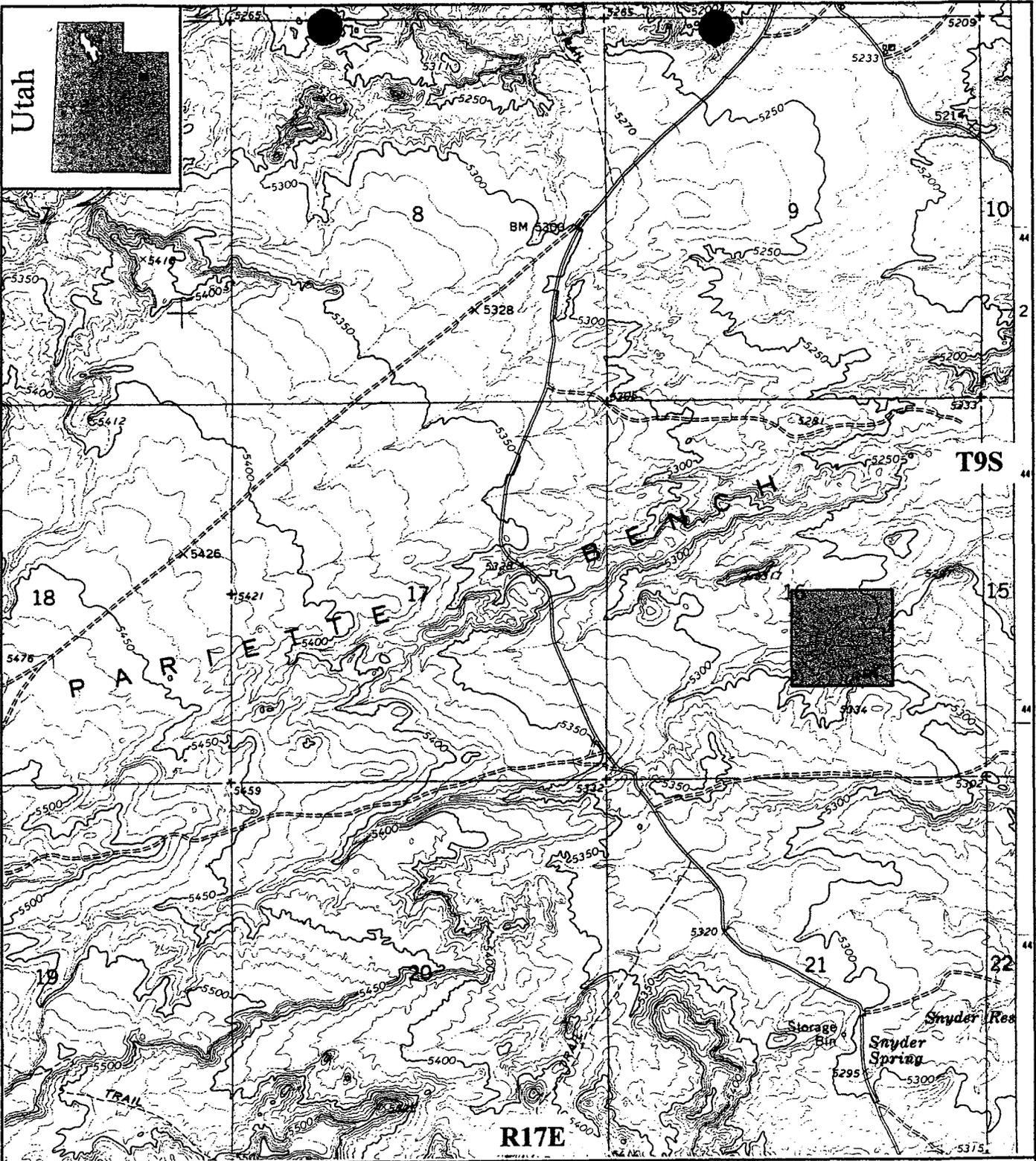
INLAND RESOURCES

FIGURE 4 PROJECT AREA AND CULTURAL RESOURCES

jbr

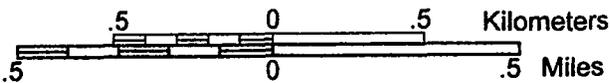
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KEY:

BASE FROM MYTON SE, UT - 7.5 MIN QUAD, 1964
 CONTOUR INTERVAL 10 FT



INLAND RESOURCES

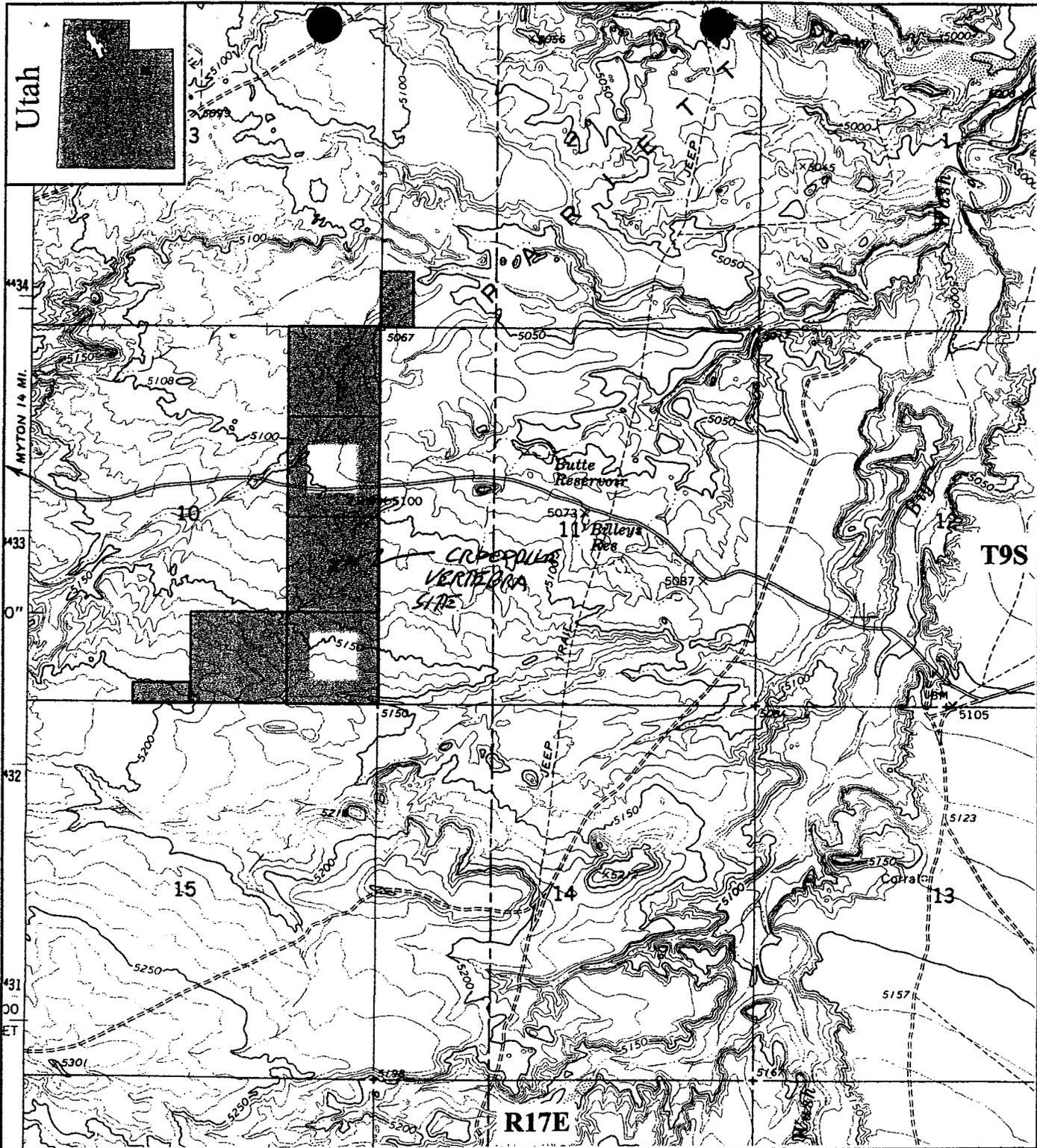
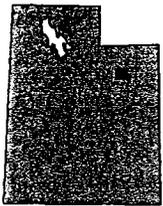
**FIGURE 5
 PROJECT AREA
 AND CULTURAL RESOURCES**



environmental consultants, inc.

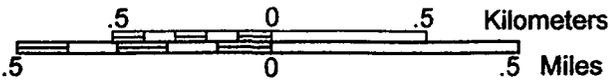
Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada

Utah



KEY:

BASE FROM PARIETTE DRAW SW, UT -
7.5 MIN QUAD, 1964.
CONTOUR INTERVAL 10 FT



INLAND RESOURCES

**FIGURE 6
PROJECT AREA
AND CULTURAL RESOURCES**



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March 20, 2000

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
ATTN: Lisha Cordova
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill
Lone Tree 10-16-9-17
Section 16, T9S, R17E
Duchesne County, Utah

Dear Ms. Cordova:

Enclosed please find an Application for Permit to Drill the above captioned well, which is being submitted in triplicate for your approval.

If you should require any additional information or if you have any questions, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

A. L. Shipman
Operations Secretary

Enclosures

cc: Roosevelt Office

STATE OF UTAH
 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-3453B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

2. NAME OF OPERATOR
Inland Production Company

3. ADDRESS AND TELEPHONE NUMBER:
410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102

7. UNIT AGREEMENT NAME
~~Beluga/Lone Tree~~

8. FARM OR LEASE NAME
Lone Tree

4. LOCATION OF WELL (FOOTAGE)
 At Surface NW/SE 1830' FSL & 1863' FEL **443/213 N**
 At proposed Producing Zone **584629E**

9. WELL NO.
#10-16-9-17

10. FIELD AND POOL OR WILDCAT
Monument Butte

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx 14.6 Miles southeast of Myton, UT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NWSE Sec. 16, T9S, R17E

12. County
Duchesne

13. STATE
UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1657' FLL & Approx 777' f/unit line	16. NO. OF ACRES IN LEASE 560	17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1203'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5273.7 GR

22. APPROX. DATE WORK WILL START*
2nd Quarter 2000

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#	300'	120 sx * back to surface
7 7/8	5 1/2	15.5#	TD	400 sx followed by 330 sx
				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 - Class G Cement, w/ 2% CaCl₂ & 1/4#/sk Cello-flake
 Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H₂O Req: 6.4 gal/sk

LONG STRING - Lead: Premium Lite w/3% KCl & 10% gel
 Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H₂O Req: 21.04 gal/sk
 Tail: 50-50 POZ w/2% gel & 3% KCl
 Weight: 14.2 PPG YIELD: 1.24 Cu Ft/sk H₂O Req: 5.5 gal/sk

24. Name & Signature *Jon Holst* Title: **Counsel** Date: **3/6/00**
 Jon Holst

(This space for State use only)

API Number Assigned: 43-013-32087 APPROVAL: _____

Approved by the Utah Division of Oil, Gas and Mining
 Date: 5/15/00
 By: *[Signature]*

*See Instructions On Reverse Side

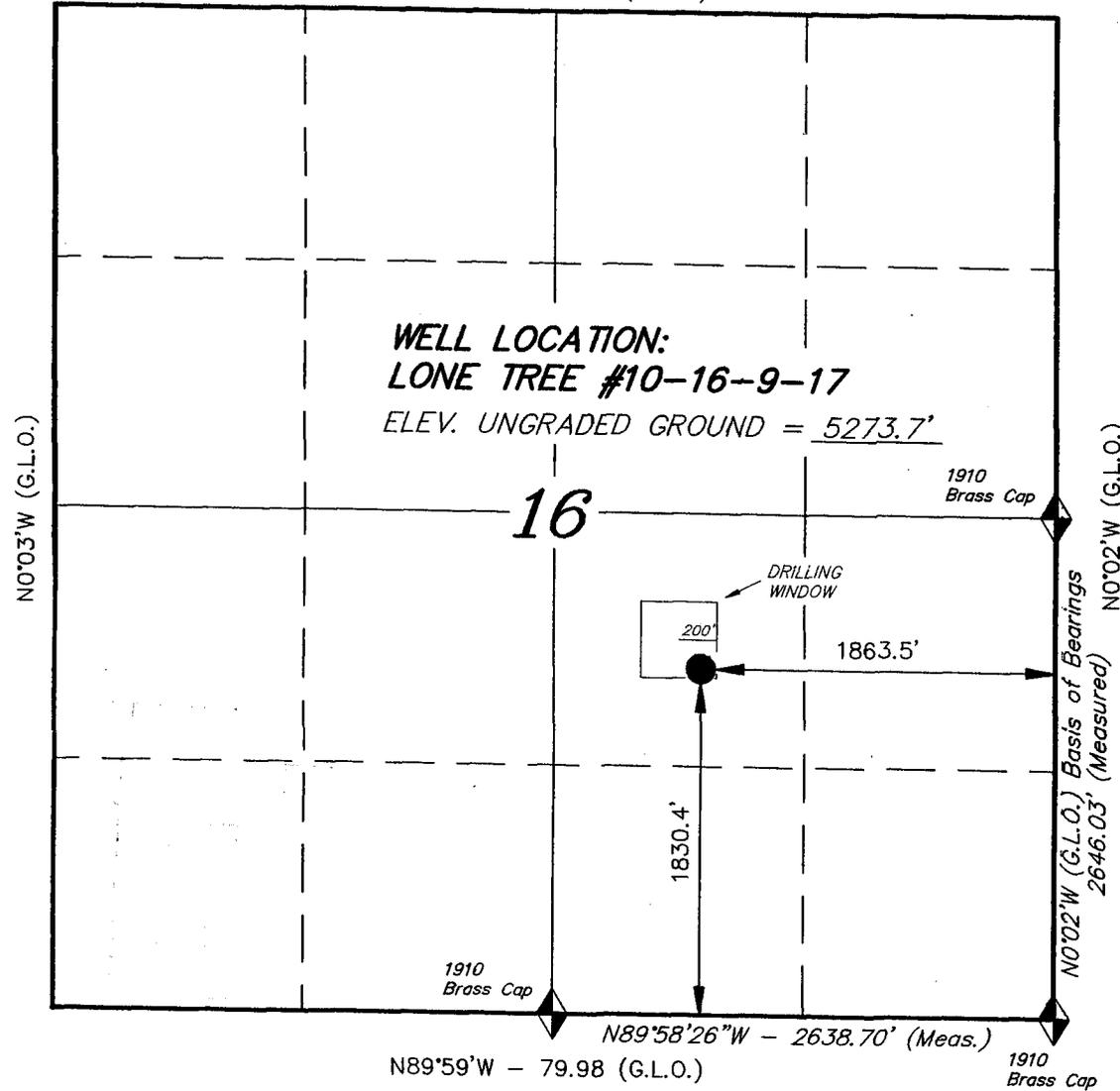
T9S, R17E, S.L.B.&M.

INLAND PRODUCTION COMPANY

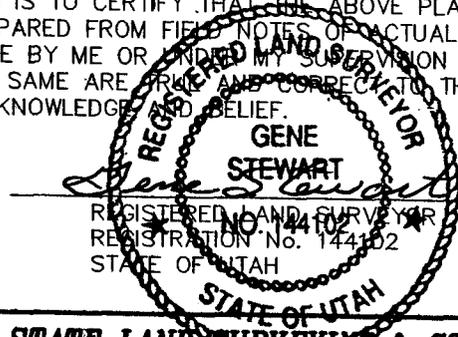
N89°58'W - 79.94 (G.L.O.)

WELL LOCATION, LONE TREE #10-16-9-17,
 LOCATED AS SHOWN IN THE NW 1/4 SE 1/4
 OF SECTION 16, T9S, R17E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.

WELL LOCATION:
LONE TREE #10-16-9-17
 ELEV. UNGRADED GROUND = 5273.7'



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.



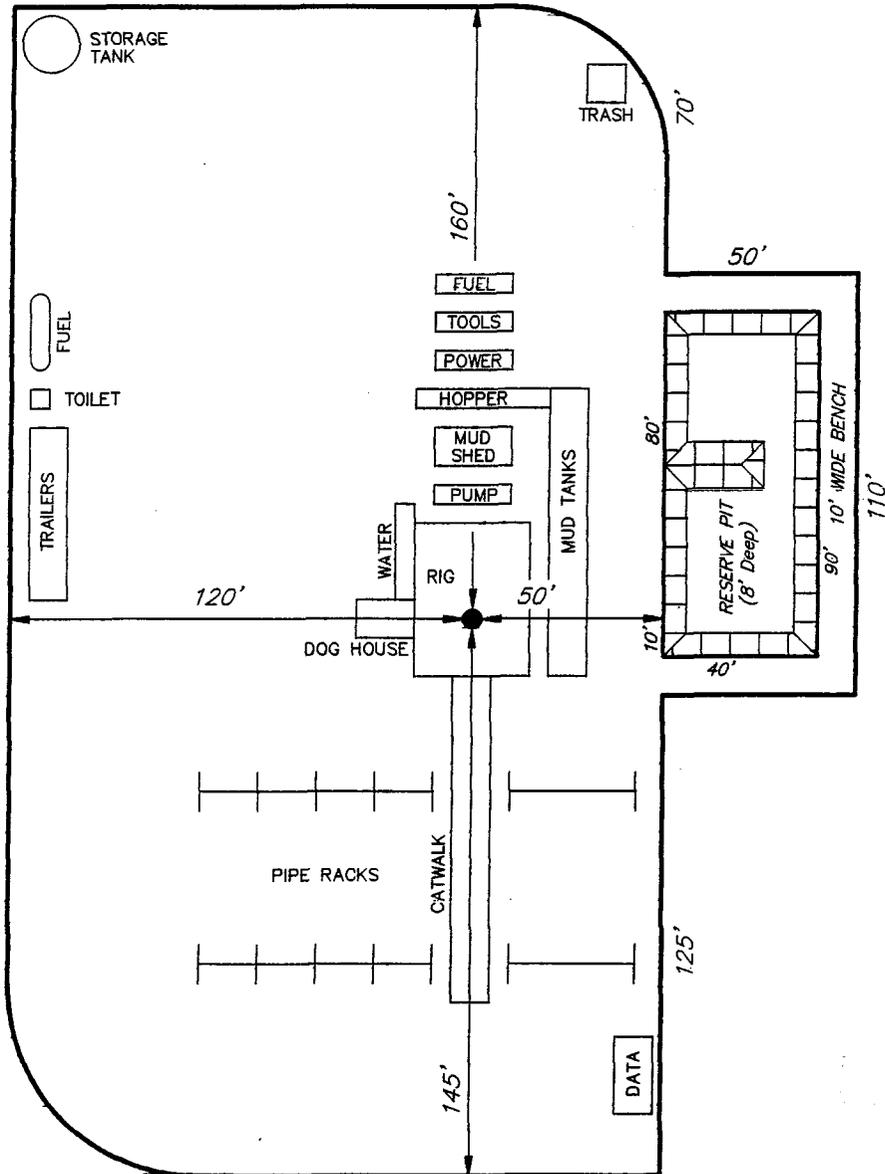
TRI STATE LAND SURVEYING & CONSULTING	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 12-27-99	WEATHER: FAIR
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

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

TYPICAL RIG LAYOUT

LONE TREE #10-16-9-17



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH, VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY
LONE TREE 10-16-9-17
SESE SECTION 16, T9S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT WELL PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0 - 1250'
Green River	1250'
Wasatch	6500'

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

Green River Formation 1250' - 6500' - Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 300' (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected); or
4-1/2" J-55 11.6# 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" Series 900 Annular Bag type BOP and an 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

(See Exhibit F)

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

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 1250' +/- 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 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

MUD TYPE

Surface – 320'

Air

320' – 3800'

Air/Mist & Foam

3800' – TD

The well will be drilled with fresh water through the Green River Formation @ 4200' +/-, 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. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). Typically, this fresh water/polymer system 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.

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 @ 300' +/-, 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 second quarter of 2000, and take approximately eight (8) days from spud to rig release.

INLAND PRODUCTION COMPANY
LONE TREE 10-16-9-17
SESE SECTION 16, T9S, R17E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Inland Production Company well location site Lone Tree 10-16-9-17 located in the NWSE Section 16, T9S, R17E S.L.B. & M., Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.6 miles to its junction with Sandwash Road and continue southeast on Sandwash Road for approximately 8.1 miles where it junctions with Eight Mile Flat Road. Turn right to continue in a southwesterly direction on Sandwash Road for approximately 2.7 miles, turn left and proceed east for approximately 6/10 of a mile to the beginning of the proposed access road.

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 0.4 miles of access road is proposed.
See **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 D**.

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

There are no existing facilities that will be used by this well.

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

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank 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 water supply line from the Johnson Water District, or trucked from Inland Production Company's water supply line.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet – **Exhibit E**.

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**

See Location Layout Sheet - See **Exhibit E**.

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. A water-processing unit may be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily 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, the operator may use a liner for the purpose of reducing water loss through percolation.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

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 in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of this, as a permanent disposal method.

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 – **Exhibit E.**

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** 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 Lone Tree 10-16-9-17, 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 Lone Tree 10-16-9-17 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: Jon Holst
Address: 410 Seventeenth Street
Suite 700
Denver, CO 80202
Telephone: (303) 893-0102

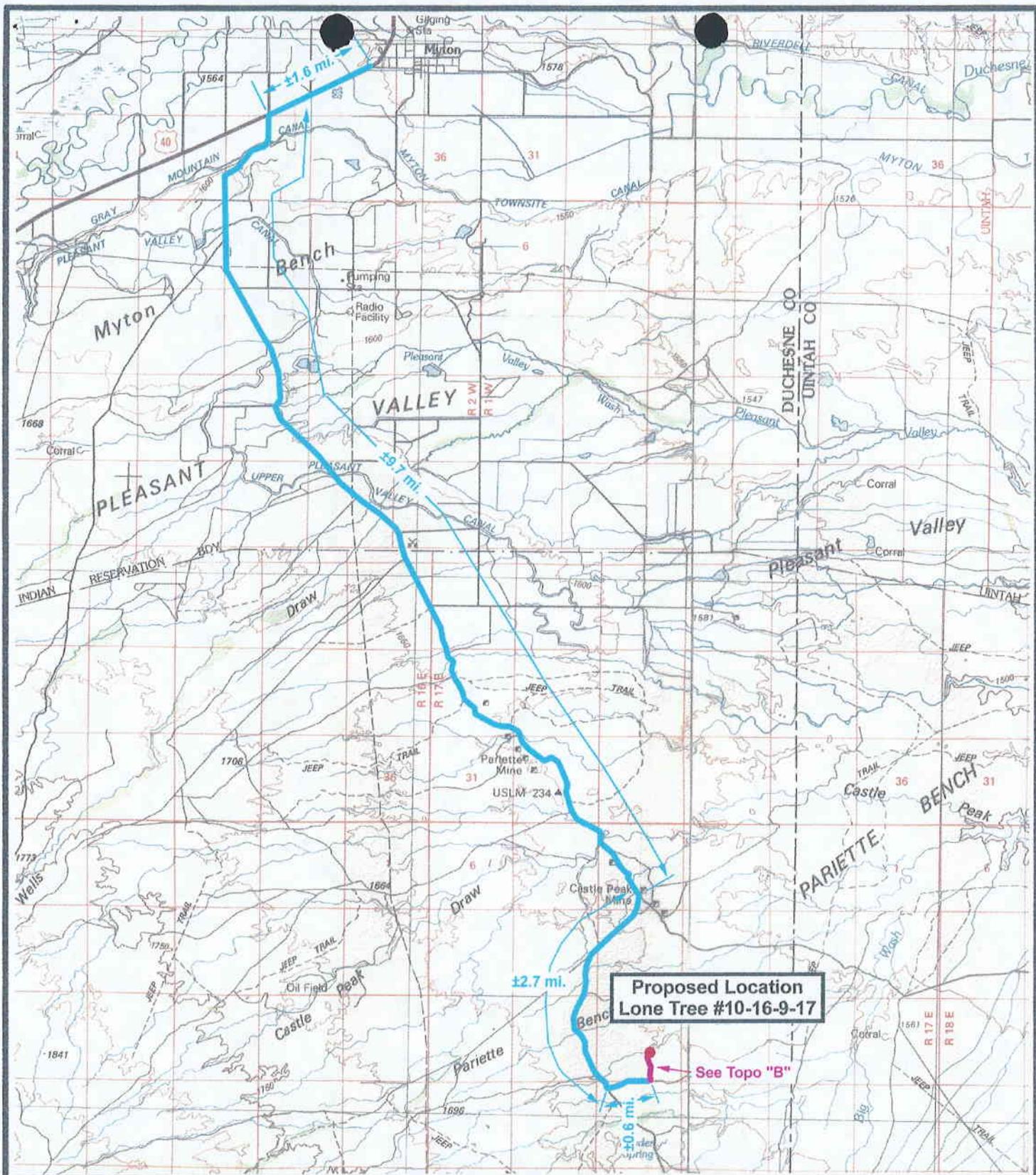
Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #10-16-9-17, NWSE Section 16, T9S, R17E, Lease #ML-3453B, Duchesne 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.

3/16/00
Date


Jon Holst
Counsel



**Proposed Location
Lone Tree #10-16-9-17**

See Topo "B"

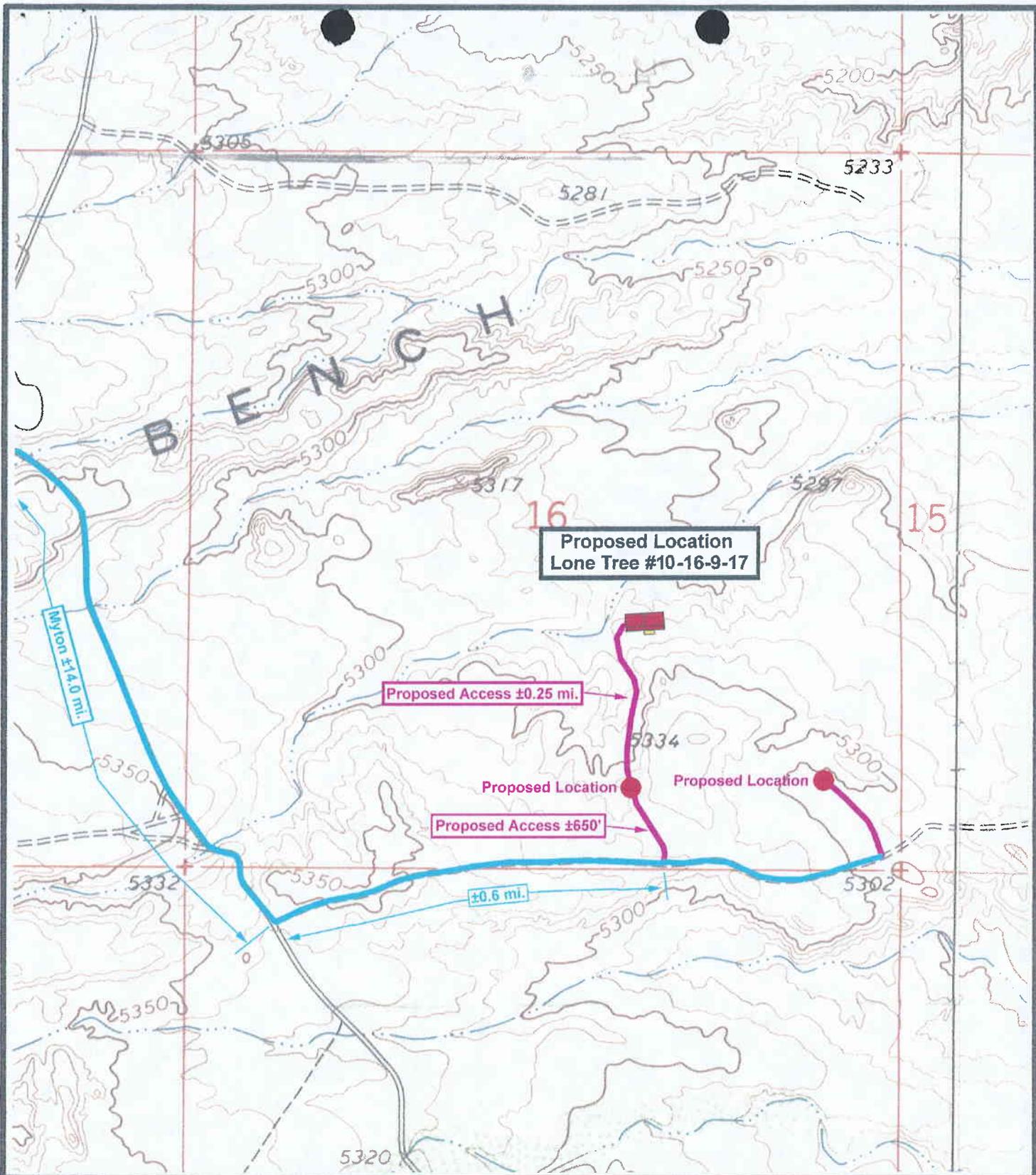


**LONE TREE #10-16-9-17
SEC. 16, T9S, R17E, S.L.B.&M.
TOPOGRAPHIC MAP "A"**

RECEIVED
MAR 22 2000
DIVISION OF
OIL, GAS AND MINING



Drawn By: SS	Revision:
Scale: 1 : 100,000	File:
Date: 1-3-00	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	



LONE TREE #10-16-9-17
SEC. 16, T9S, R17E, S.L.B.&M.
TOPOGRAPHIC MAP "B"

RECEIVED

MAR 22 2000

DIVISION OF
 OIL, GAS AND MINING



Drawn By: SS

Revision:

Scale: 1" = 1000'

File:

Date: 12-28-99

Tri-State Land Surveying Inc.
P.O. Box 533, Vernal, UT 84078
435-781-2501 Fax 435-781-2518

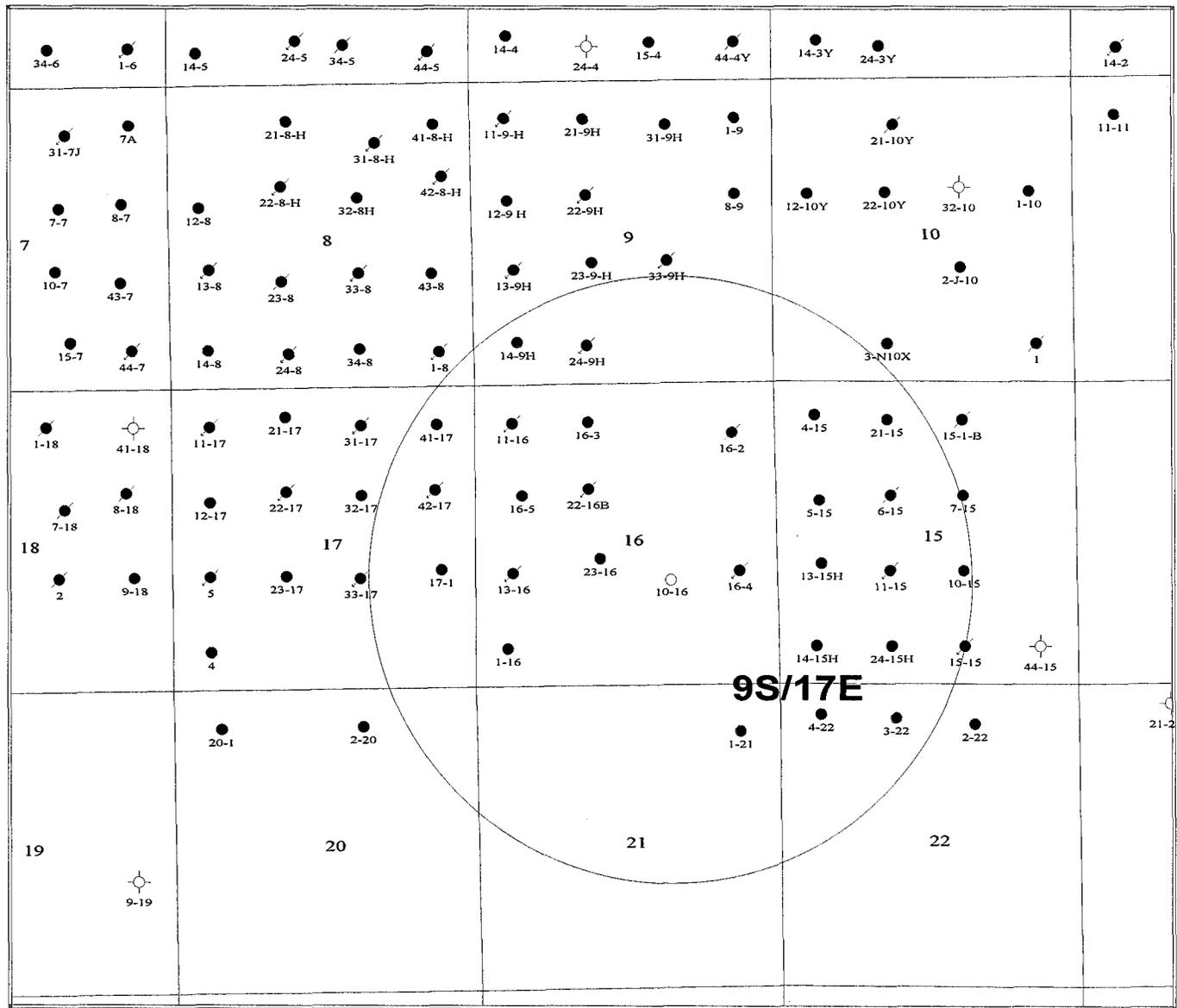
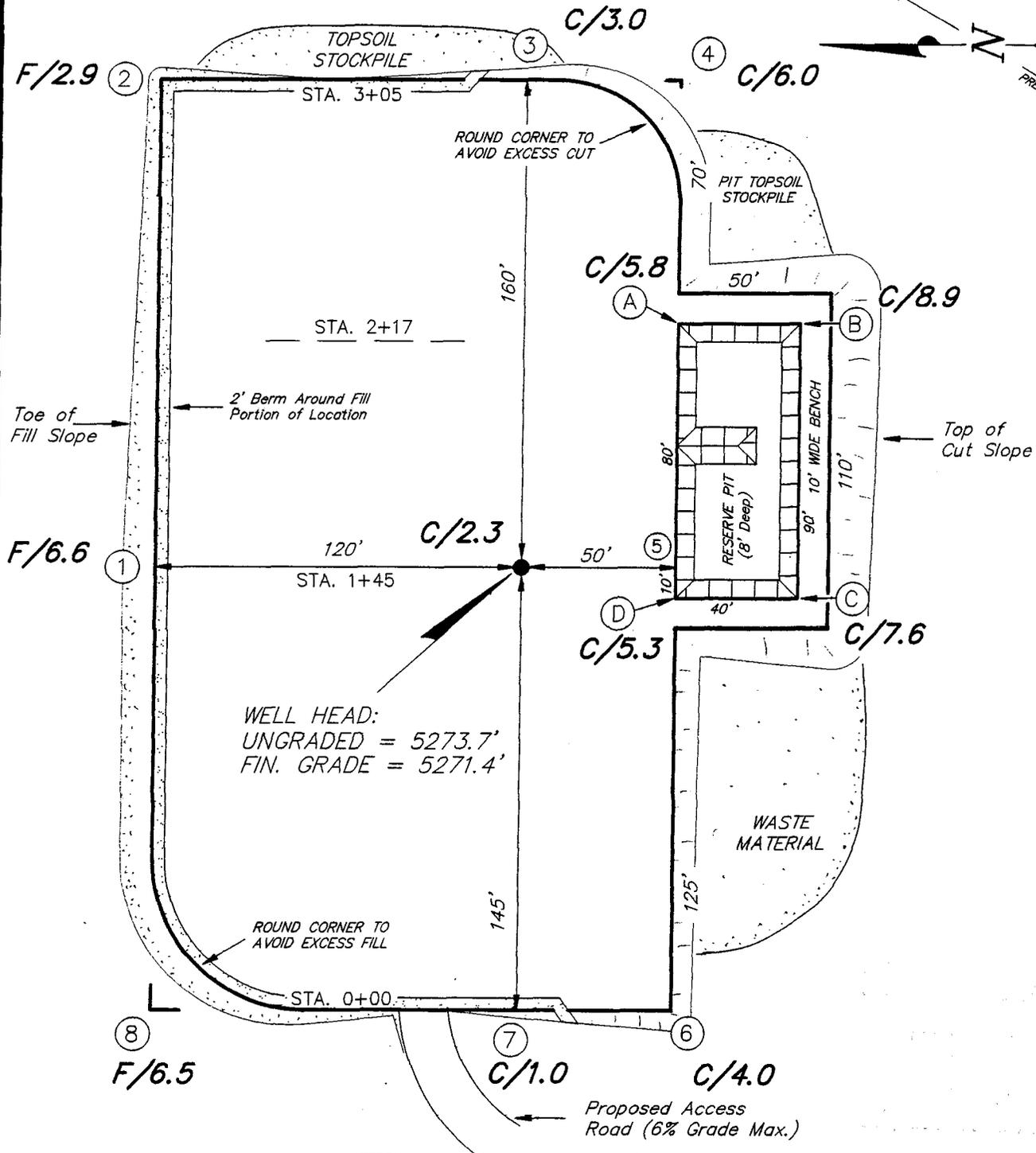
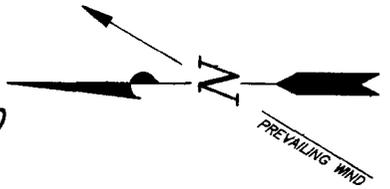


EXHIBIT D

INLAND PRODUCTION COMPANY		
One Mile Radius Lone Tree #10-16		
Josh Axelson	Scale 1:3456783	1/26/2000

INLAND PRODUCTION COMPANY

LONE TREE #10-16-9-17
SEC. 16, T9S, R17E, S.L.B.&M.

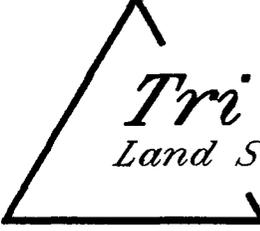


WELL HEAD:
 UNGRADED = 5273.7'
 FIN. GRADE = 5271.4'

REFERENCE POINTS

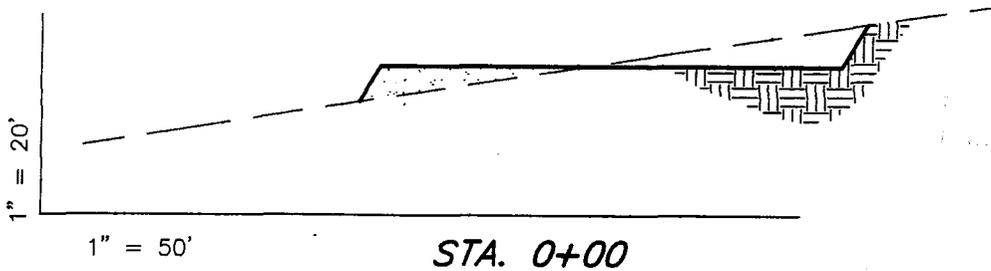
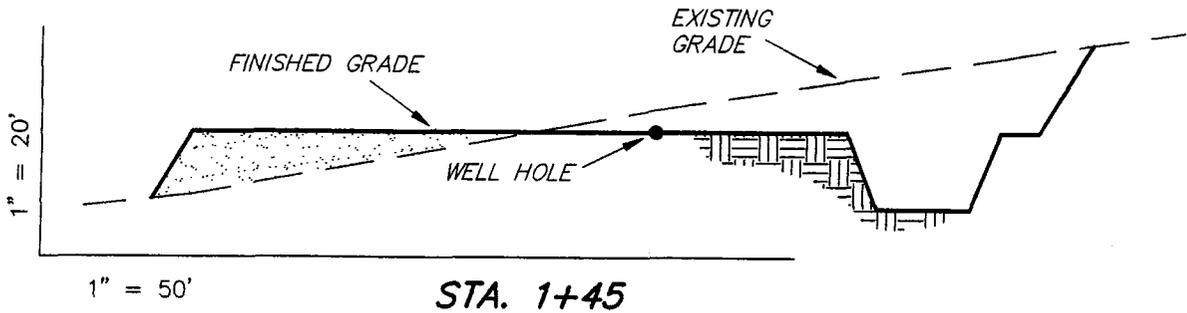
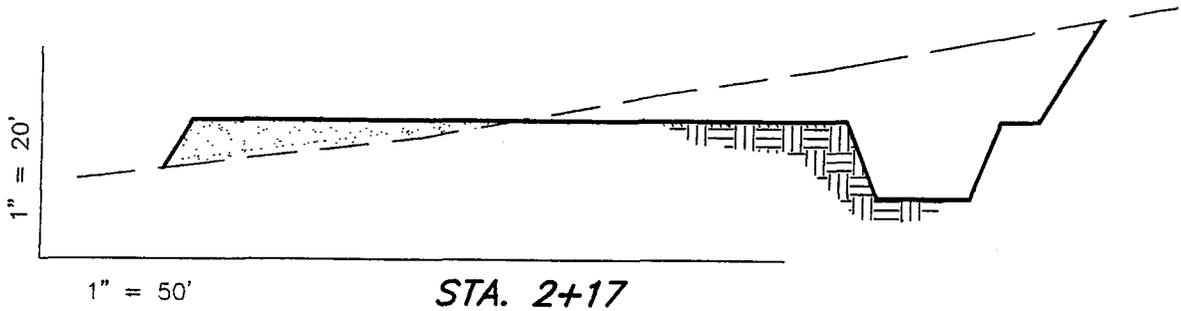
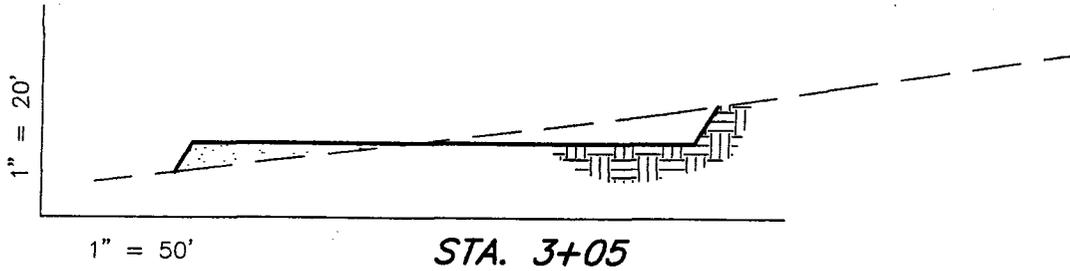
- 170' NORTH = 5262.6'
- 220' NORTH = 5260.3'
- 195' EAST = 5274.9'
- 245' EAST = 5276.0'

SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	1-14-00
SCALE:	1" = 50'
REVISIONS:	


Tri State
Land Surveying, Inc.
 (801) 781-2501
 38 WEST 100 NORTH VERNAL, UTAH 84078

CROSS SECTIONS

LONE TREE #10-16-9-17



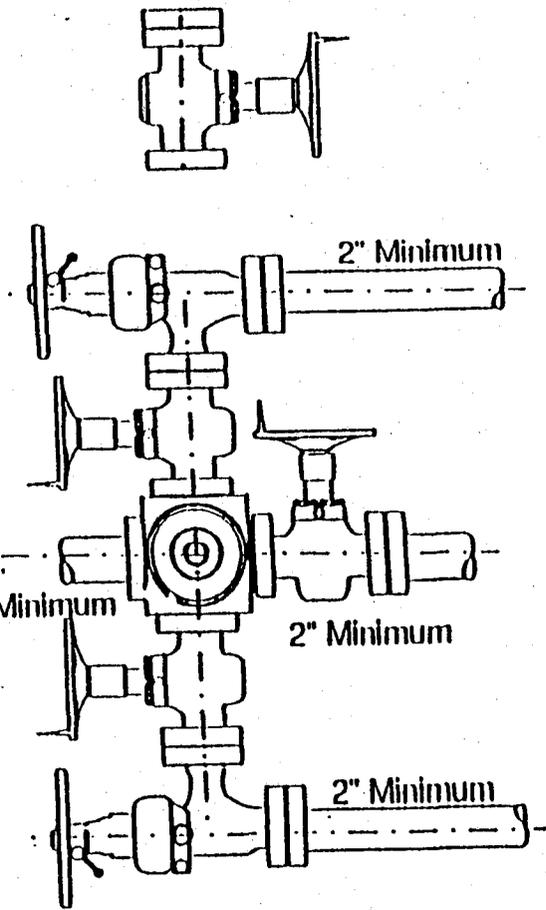
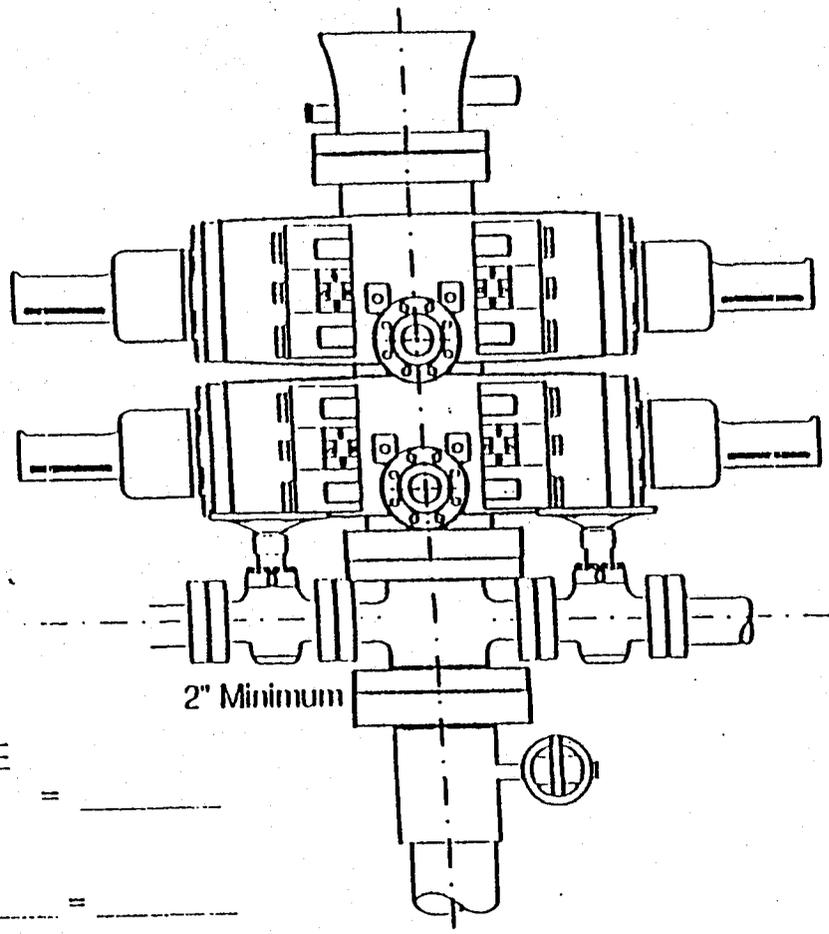
APPROXIMATE YARDAGES

- CUT = 3,660 Cu. Yds.
- FILL = 3,660 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,060 Cu. Yds.

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2-M SYSTEM

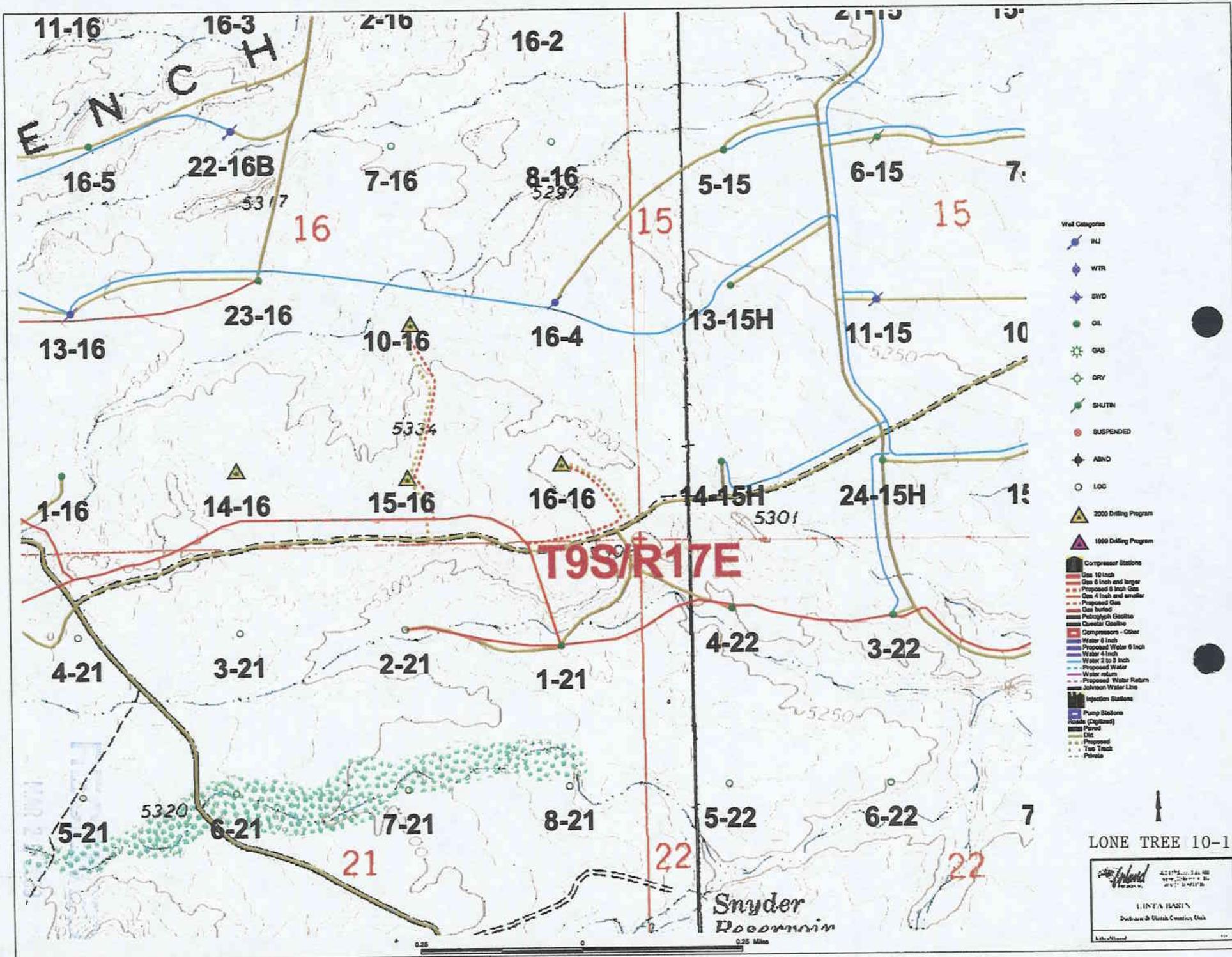
TYPE B.O.P.
:
:
:
1:



AL TO CLOSE
 annular BOP = _____
 ramtype BOP
 _____ Rams x _____ = _____
 _____ = _____ Gal.
 _____ x 2 = _____ Total Gal.

Rounding off to the next higher
 increment of 10 gal. would require
 _____ Gal. (total fluid & nitro volume)

DIVISION OF
OIL, GAS AND MINING



- Well Categories
- BU
 - WTR
 - DVD
 - OL
 - GAS
 - DRY
 - SHUTN
 - SUSPENDED
 - ABND
 - LOC
 - 2000 Drilling Program
 - 1980 Drilling Program
- Compressor Stations
- Gas 10 inch
 - Gas 8 inch and larger
 - Proposed 8 inch Gas
 - Gas 4 inch and smaller
 - Proposed Gas
 - Gas buried
 - Petrobraya Gasline
 - Coventry Gasline
 - Compressor - Other
 - Water 6 inch
 - Proposed Water 6 inch
 - Water 4 inch
 - Water 2 to 3 inch
 - Proposed Water
 - Water return
 - Proposed Water Return
 - Johnson Water Line
- Injection Stations
- Pump Stations
 - Roads (Digitized)
 - Proposed
 - Top Truck
 - Private

LONE TREE 10-16

4-11-76... 1-14-80
www.dor.state.co.us
LONE TREE
Snyder Reservoir
Snyder & Utah Counties, Colo.

**CULTURAL RESOURCE INVENTORY OF
NINE WELL PADS AND IN-FILL
LOCATIONS IN THE ASHLEY, LONE TREE,
BLACK JACK, WELLS DRAW EXPANSION,
AND CASTLE DRAW UNITS
DUCHESNE AND UINTAH COUNTIES, UTAH**

JBR Cultural Resource Report 99-26

by
*Jenni Prince-Mahoney and
Richard Crosland*

prepared for
Inland Resources Inc.
Denver, Colorado

submitted by

JBR Environmental Consultants Inc.
Springville, UT

July 12, 1999

Fax 801-489-7129

801-489-7120
943-4144

Federal BLM Permit No. 99UT55134
Utah State Project Authorization No. U-99-JB-0331bs

MANAGEMENT SUMMARY

ies: School and Institutional Trust Lands Administration, Bureau of Land Management, Vernal District and Utah State Historic Preservation Office.	.. i
ct Number: Utah State Project Authorization No. U-99-JB-0331bs	. ii
at Description: The project consists of a cultural resource inventory nine 40 acre well pads and an additional 75 acres of in-fill around existing wells. The well pads included in the survey consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack units. In-fill acreage is located in the Castle Draw and the Black Jack Unit. A total of 435 acres are included in the project, of which 250 acres are administered by SITLA and 185 acres by the Vernal District, Diamond Mountain Resource Area, BLM.	. iii .. 1 .. 1 ... 4 ... 4 ... 4 ... 5
on: Inventoried well pads in the Ashley Unit and Wells Draw Expansion are located approximately 11 miles southwest of Myton, Utah, in Duchesne County. Inventoried well pads and in-fill areas are in the Lone Tree, Castle Draw, and Black Jack units are located approximately 12 miles southeast of Myton, Utah, in Duchesne County 5 ... 7 ... 7 .. 10
al Resources: The Class III inventory identified one previously recorded site, four newly recorded sites, and six isolated artifacts. All five sites are prehistoric in nature.	.. 11 .. 11 .. 12 .. 12 .. 17 .. 27 .. 28

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1.0 INTRODUCTION

JBR Environmental Consultants, Inc. of Springville, Utah, completed a cultural resource inventory of nine well pad locations and an additional 75 acres of in-fill surrounding existing well pads. The well pad locations surveyed for the present project consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack Unit. In-fill acreage is located in the Castle Draw and the Black Jack units.

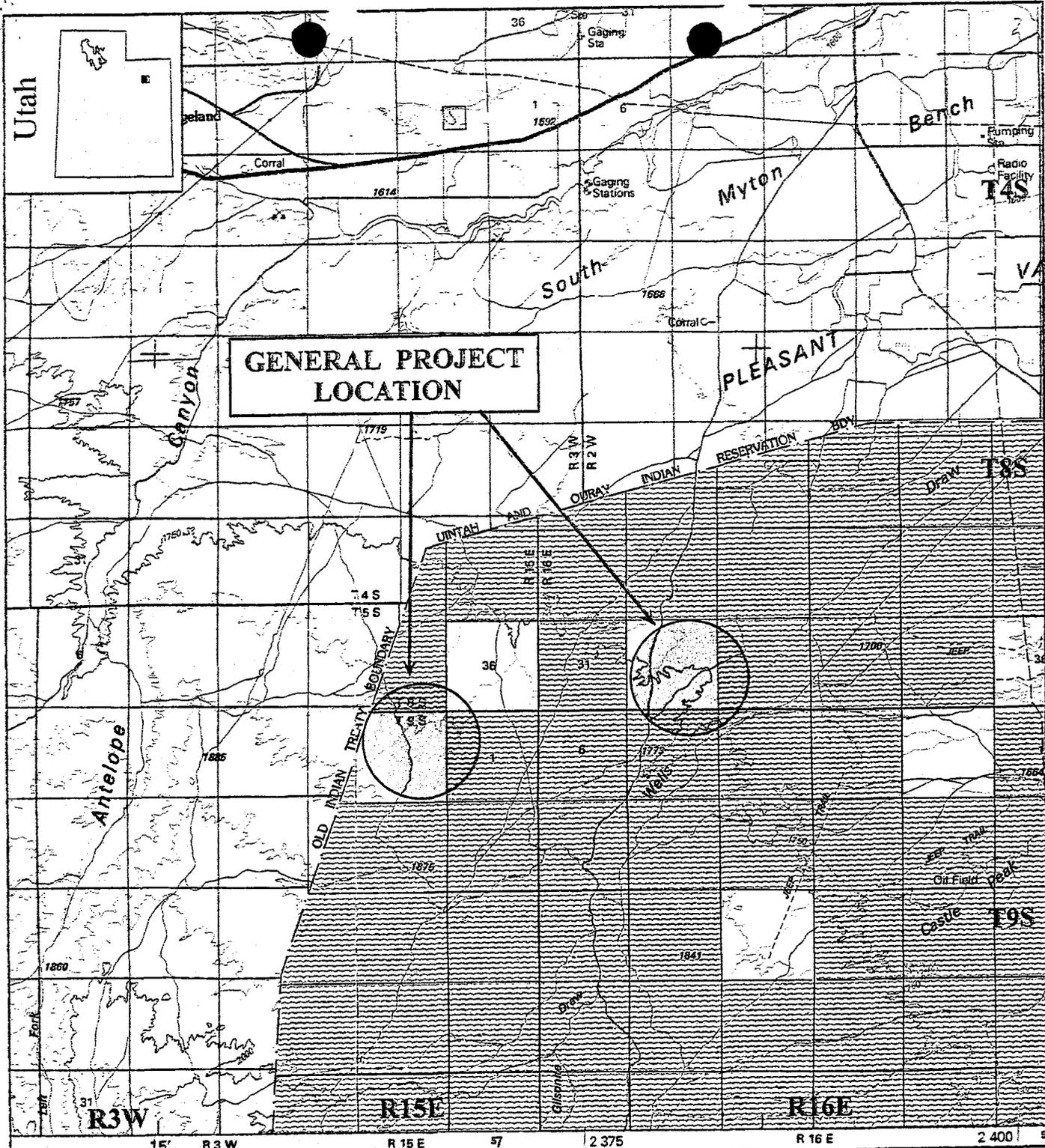
The cultural resource inventory of the nine well pad locations and in-fill acreage encountered five prehistoric sites and six isolated finds. The project inventory was conducted on June 24 and 25, 1999, by JBR personnel Richard Crosland, Jeffrey Rust, Steve Ice, and Tuula Rose.

2.0 PROJECT LOCATION

The proposed project area is located on lands administered by the School and Institutional Trust Lands Administration (SITLA) and the Bureau of Land Management (BLM) Vernal District. Well pads located on State Lands include 1-2 and 8-2 (Ashley Unit); 9-32, 15-32, and 16-32 (Wells Draw Expansion); 10-16 (Lone Tree Unit) and in-fill location 14-2 (Castle Draw Unit) for a total of 250 acres. Well pads located on BLM lands include well pads 1A-10, 9-10, and 15-10 (Black Jack Unit) and in-fill locations in the Black Jack Unit for a total of 185 acres (Figure 1). The legal locations for the project acreage are listed in Table 1.

Table 1. Project Area Legal Locations

Well Locations	Township/Range Section	Legal Locations	Ownership	USGS Quad
1-2 and 8-2 Ashley Unit	T. 9S R.15E, Sec. 2	E $\frac{1}{2}$ NE $\frac{1}{4}$	SITLA	Myton SW, UT
9-32, 15-32 and 16-32 Wells Draw Expansion	T. 8S R.16E, Sec. 32	E $\frac{1}{2}$ SE $\frac{1}{4}$; SW $\frac{1}{4}$ SE $\frac{1}{4}$	SITLA	Myton SW, UT
10-16 Lone Tree Unit	T. 9S R.17E, Sec. 16	NW $\frac{1}{4}$ SE $\frac{1}{4}$	SITLA	Myton SE, UT
1A-10, 9-10 In-fill 1-10, 1 (Castle Draw Unit) 15-10, In- fill 3-N10 (Black Jack Unit)	T. 9S R.17E, Sec. 10	E $\frac{1}{2}$ E $\frac{1}{2}$; SW $\frac{1}{4}$ SE $\frac{1}{4}$; S $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$; SW $\frac{1}{4}$;	BLM	Pariette Draw SW, UT
In-fill 14-2 (Castle Draw Unit)	T. 9S R.17E, Sec. 2	SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$	SITLA	Pariette Draw SW, UT

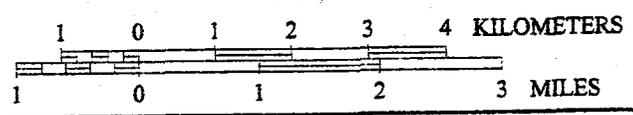


KEY: BASE FROM DUCHESNE, UT - 1:100,000 MAP

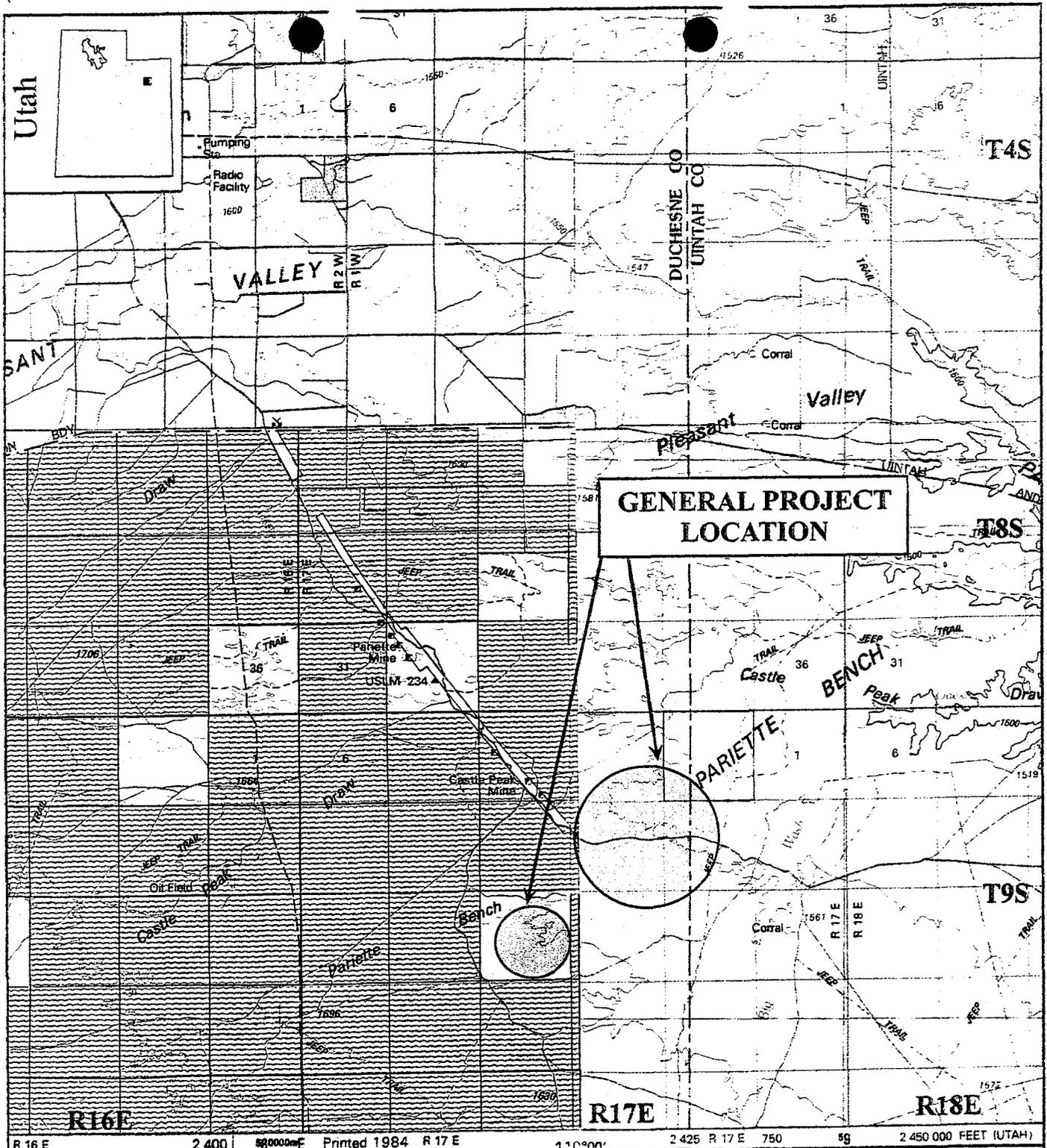
**INLAND RESOURCES -
NINE WELLS WITHIN FIVE UNITS**



**FIGURE 1
GENERAL PROJECT LOCATION**



Jbr
environmental consultants, inc.
Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada



R 16 E 2 400 500000E Printed 1984 R 17 E 110000 2 425 R 17 E 750 59 2 450 000 FEET (UTAH)

KEY: BASE FROM VERNAL & DUCHESE, UT - 1:100,000 MAPS

**INLAND RESOURCES -
NINE WELLS WITHIN FIVE UNITS**

**FIGURE 2
GENERAL PROJECT LOCATION**



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environmental consultants, inc.
Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada

3.0 NATURE OF PROPOSED IMPACTS

Inland Resources proposes to develop nine well locations within the identified project area. Less than 10 acres per well pad will be impacted by Inland during drilling operations. The completion of 40 acre well tracts will give Inland an area to situate the final well placement and associated facilities during development. Also, access roads can be adjusted into the 40 acre well tracts. Many of these proposed wells will be accessed from existing wells roads. The in-fill acreage will complete 40 acre pads which had only 10 acres previously completed, to allow development of access roads and other facilities.

4.0 ENVIRONMENTAL SETTING

The well pads in the Ashley Unit are located approximately two miles west of Wells Draw and two miles east of Antelope Canyon. The terrain consists of dissected tableland with a large intermittent drainage located along the north end. The three well pads located in the Wells Draw Expansion are found partially within the Wells Draw drainage system. The draw runs through the southeast portion of the area while the northern area of the well pads on tableland areas. The well pad in the Lone Tree Unit is located immediately south of the Pariette Bench. The remaining survey area in the Castle Draw Unit and the Black Jack Unit are located approximately one mile west of Big Wash along Pariette Bench. A drainage which feeds in to Big Wash runs through the northern portion of the survey area. Aeolian sand deposits are located north of this drainage. The land slopes gradually to the south with one small butte feature located near the center of the survey area.

4.1 Geology

The area is characterized by low rolling tablelands dissected by deep draws and low eroding bedrock outcrops of sandstone and limestone. Soils in the area are a fine light tan to medium brown silty sands. The surface sediments consist of an inter-fingering of fluvial deposits and thinly bedded Pleistocene lake bed deposits. Sediments contain a moderate amount of Pleistocene gravels and some small areas of Eocene Green River Formation are visible in eroded areas. Aeolian sand deposits are also present in some areas.

4.2 Flora/Fauna

The project area is within the Upper Sonoran Life Zone. Vegetation within the project area includes four-wing saltbrush, winterfat, narrow leafed yucca, greasewood, and a variety of forbs and low grasses. Fauna noted in the project area includes antelope, jackrabbit, cottontail rabbit, and ground squirrel.

5.0 PREVIOUS RESEARCH

A Class I file search was conducted at the State Historic Preservation Office and at the Vernal District Bureau of Land Management on June 25, 1999. Over 150 cultural resource inventories have been completed in areas surrounding the current project blocks. The majority of these inventories have been associated with the gas and oil industry and include well pads, access roads, and pipeline projects. Over fifty cultural resource projects were located within or immediately adjacent to the current project blocks. A select listing of these projects is incorporated below in Table 2.

No historic GLO maps or historic indices are available for the area and could not be reviewed for existing historic properties.

Table 2. Previous Cultural Inventories Near the Current Project Areas

Report No.	Project	Date	Firm	Sites
013-92	Inventory of a well pad	1983	Grand River Consultants	None
013-160	Inventory of a well pad	1984	Grand River Consultants	None
013-177	Inventory of a pipeline	1984	Grand River Consultants	None
013-208	Inventory of a well pad and access road	1994	Senco-Phoenix	None
013-241	Inventory of three well pads	1984	Archaeological- Environmental Research Corp. (AERC)	1 site
013-232	Inventory of two well pads	1985	Sagebrush Archaeological Consult.	None

Report No.	Project	Date	Firm	Sites
81-UT-181	Inventory of two well pads	1981	Utah Archaeological Research Corp. (UARC)	None
82-UT-358	Inventory of a well pad and access road	1982	Environmental Consultants	None
82-UT-373	Inventory of a well pad and access road	1982	UARC	None
U86-AF-770s	Inventory of a well pad	1986	AERC	None
U89-SJ-097b	Inventory of 2 well pads	1989	Sagebrush	None
U93--SJ-720b	1,160 acre block survey	1994	Sagebrush	11 sites
U94-SJ-448b	Inventory of three well pads	1994	Sagebrush	2 sites
U95-SJ-658b	Inventory of a well pad and access road	1995	Sagebrush	None
U95-AF-664b,s	Inventory of four well pads and access roads	1996	AERC	None
U95-AF-773b	Inventory of 13 well pads and access roads	1996	AERC	None
U95-CH-0776b	Inventory of eight power lines	1996	Complete Archaeological Service Assoc. (CASA)	2 Paleontological sites
U96-SJ-0075b	Inventory of a pipeline	1996	Sagebrush	None
U98-AF-0164b,s	3,919 acre block survey	1998	AERC	28 sites
U98-JB-0659b	Inventory of three well pads	1998	JBR Environmental Consultants	8 sites
U-98-JB-0681b	50 acre well pad inventory	1998	JBR Environmental Consultants	1 site

The majority of the projects located near the current project encountered few if any cultural resource sites. Only eight sites were located within ¼ mile of the project areas and are listed below in Table 3. The sites include five lithic scatters, a lithic quarry, a prehistoric campsite, and an historic trash scatter. Only one of the sites (42DC795) was located within the current project area.

Table 3. Cultural Resource Sites within ¼ Mile of Current Project.

Site #	Site Type	Cultural Affiliation	Eligibility	Location
42DC586	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 2
42DC587	Lithic Quarry	Unknown Aboriginal	Ineligible	Near Block 2
42DC782	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 2
42DC794	Historic Trash Scatter	Euro-American	Ineligible	Near Block 2
42DC795	Lithic Scatter	Unknown Aboriginal	Ineligible	Inside Block 2
42DC796	Prehistoric Campsite	Archaic	Eligible	Near Block 2
42DC942	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 4
42DC1192	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 4

6.0 CULTURE HISTORY

A number of overviews have been written for the region and adjacent regions including Jennings (1974, 1978, 1986), Aikens (1970), Madsen (1980), and Aikens and Madsen (1986).

6.1 Prehistoric Overview

Jennings (1986) and Aikens and Madsen (1986), proposed a chronology for the eastern Great Basin that divides the cultural sequence into three periods that are somewhat equivalent to the general Basin-wide chronological sequence: Bonneville period (11,000-9,500 B.P.), Wendover period (9,500-6,000 B.P.), and the Black Rock period (6,000-1,500 B.P.). Madsen (1982) also presents a model of the prehistory of the region that include the following: Paleoindian (12,000-9,000 B.P.), Archaic (8,500-1,600 B.P.), Formative Fremont (1,600-650 B.P.), and Numic (700 B.P.-present). Below is a brief summary and overview of these periods.

The Paleoindian period (12,000-9,000 B.P.) was first defined on the high plains east of the Rocky Mountains as a time of specialized hunting of large game animals such as mammoth, bison, horse, etc. (Jennings 1974). Tools associated with this culture include a series of diagnostic projectile points known as Clovis, Folsom, and Plano points. The Great Basin Stemmed points and crescents are considered by Hester (1973) to be diagnostic of the pre-Archaic Western Pluvial Lakes Tradition in the Great Basin as well, but few have been noted in Utah.

In Utah, significant Paleoindian sites were found in the Sevier Lake region, in the Escalante Desert, south of Green River, and in southeastern Utah. Clovis, Folsom, Dalton-Meserve, Plainview, and Great Basin Stemmed projectile points and crescents have been recovered from these areas (Davis 1986; Janetski and Holmer 1982). Folsom and Plano points and crescents from this period have been reported in Millard County, near the Beaver and Sevier river areas (Janetski and Holmer 1982), and near Delta (Simms and Lindsay 1984). To date, no Paleoindian sites have been formally reported in Uinta County, although at least two Folsom points have been recovered to the west in Duchesne County.

The Archaic period (8,500-1,600 B.P.) is well represented in Utah. The Archaic lifeway was highly adaptive, based on hunting and gathering subsistence practices. Archaic subsistence included a wide array of food sources. During the earlier stages of this period, Archaic people resided around pluvial lake margins and riverine environments. Later, in response to the decline of these ecozones, populations shifted to upland areas to take advantage of available resources. Cultural remains from this period include items such as metates, baskets, bone implements and a variety of diagnostic projectile points. Common point types include Elko and Humboldt series, Pinto, Sudden Side-notched and Gypsum.

Evidence of the Archaic is exhibited by recorded surface sites and rockshelters throughout the region. Rockshelters and cave sites have been the primary means for defining what we know about the culture. Some of these shelters include Walters and Cowboy Caves with C-14 dates of ca. 6875 BC and ca. 6690 BC, which marks the earliest known occupation of the Colorado Plateau (Schroedl 1976). Schroedl (1976) has subdivided the Archaic period into four different phases based on diagnostic point styles to provide temporal control.

The earliest phase is known as the Black Knoll Phase (6350-4250 BC), and is marked by the presence of Elko Corner-notched points, and Pinto series points. An early Pinto variant has been found on the same site as Folsom points, and together, the styles from the Moab Complex (Hunt and

Tanner 1960). The following phase is the Castle Valley Phase (4250-2550 BC). Point styles are more diversified during this period and include Rocker Base, Sudden and Hawken Side-notched points. During the later half of the period Humboldt points appear and become the dominate point style. The beginning of the Green River Phase (1550-1350 BC) coincides with the dichotomy in point styles between the western and eastern sections of the Plateau. The western variant includes San Rafael Side-notched and Gypsum points, while the eastern variant is predominated by Duncan Hanna Points. The final Archaic phase is the Dirty Devil Phase (1350 BC - AD 450) which exhibits a continuity from earlier phases with the Gypsum and Elko Series points. This phase is evidenced more from unfired clay objects, basketry, and sandals rather than point styles as the previous phases (Madsen and Berry 1975). Significant excavated sites in the Uinta Basin that contain Archaic cultural material include Hells Midden (Lister 1951), Thorne Cave (Day 1964), Deluge Shelter, and Swelter Shelter (Leach 1970).

The Fremont inhabited the region between 1600-650 B.P. (Jennings 1978). They were horticulturalists with varying dependencies on corn, beans and squash. The Fremont also hunted small and large game animals and utilized wild plant foods. They built semi-subterranean pit houses, surface jacal and masonry habitation units and coursed adobe granaries. The remains of the structures often appear as low lying mounds in valleys, and on alluvial fans and ridge tops. Diagnostic artifacts from this period include the Utah type metate, clay figurines and small to medium size corner-notched and side-notched projectile points. Ceramics consist mostly of graywares, but also include some corrugated, incised, and black-on-white styles. The Turner-Look site exhibited semi-subterranean houses of dry laid masonry, cultivating corn and possibly squash. The diagnostic Uinta Gray ceramics at the site, place occupation at AD 1050 or later (Wormington 1955; Jennings 1978).

Numic speaking groups (Ute and Gosiute) appear to have replaced the Fremont after about 700 B.P., during the Late Prehistoric period. These groups relied on a hunter-gatherer lifestyle, similar to that of the Archaic. They lived in temporary brush wickiups and rockshelters (Steward 1938). These groups depended on a variety of wild plants, and employed seasonal movements; gathering resources produced in various ecological zones. Evidence of the Late Prehistoric period comes from surface sites, containing light artifact remains, and shallow rockshelter deposits. Diagnostic artifacts include non-painted brownware ceramics and the Desert Side-notched point.

6.2 History

The first European contact with Native Americans of the region was the 1776 Dominguez-Escalante expedition in Colorado, Utah and Arizona (Fowler 1986; Warner 1976). Detailed descriptions of the dress, weapons and manner of the groups they encountered were recorded. The Dominguez-Escalante expedition traversed the territory of the Utes, Western Shoshone, Southern Paiute and the Navajo. After the Dominguez-Escalante expedition, the Spanish continued to return to Utah to trade for horses, slaves and gold.

In 1805, the Lewis and Clark expedition encountered Northern Shoshone groups in the Snake River region and kept detailed records of their political organization, dress, territory and subsistence. Beginning in the 1820s, fur trappers from Canada, eastern U.S. and Taos entered Utah and began trapping beaver. By 1840, the beaver were gone. However, these mountain men, Jedediah Smith (1826-1829), Etienne Provost (1824-1825), Peter Skene Ogden (1825-1829) and William Ashley (1825-26) had managed to explore much of the state and had encountered numerous Native American peoples.

The first U.S. Government explorers arrived in Utah in the 1840s and recorded some encounters with Native Americans. These included Fremont in 1845, Stansbury in 1852, Simpson in 1876, and Gunnison-Beckwith in 1856. In 1847, the first Mormon settlers arrived in the Salt Lake Valley. From this point the pioneers were almost in constant contact with Native American cultures and people. A result of this continuing contact was armed conflict and four major battles or wars: The Provo River Battles (1850), Walker War (1853), Goshute War (1860-1863), and the Black Hawk War (1865-1867).

By the 1870s, Native American cultures were receiving attention as ethnographic resources. In 1876, John Wesley Powell documented the language, territory, culture, religion and social organization of the Shoshone and Southern Paiute. This body of material has been used to classify and reconstruct the ethnohistory of these cultures by other ethnographers; A.L. Kroeber (1907), Julian Steward (1938), Isabel Kelly (1964), Catherine and Don Fowler (1971), and others.

The settlement of Duchesne County is unique to the state in that it was not settled by Mormon pioneers, since early scouting parties had deemed the area unfit for settlers. The area was settled in 160 acre parcels under the Homestead Act. The Dry Gulch Irrigation Company was incorporated in 1905 by William H. Smart and Reuben S. Collett to help individual farmers obtain water rights

from the state (Powell 1994). The county's economy is based primarily on the livestock industry, but rich oil and gas reserves are also present.

Myton is an historical community located to the north of the project area. The settlement was built at the only bridge crossing the Duchesne River and had the early name of Bridge City. For many years the town functioned as a river crossing and trading post. The community received its present name from Major H. P. Myton who was assigned to the area in 1905 as the region was opened to settlers (Van Cott 1990).

7.0 ARCHAEOLOGICAL METHODS

A Class III inventory was completed for the project by four JBR cultural resource personnel, walking parallel transects at fifteen meter intervals. When cultural resources were encountered during the survey, they were recorded on IMACS site forms or Utah Isolated Find forms. Each site was plotted on a USGS topographic map, site sketches were drawn, tools or diagnostic artifacts were drawn, photographs taken, and 18-inch white PVC pipe datums with aluminum tag were placed on all site locations. No datum was relocated at site 42DC795 and none was indicated on the original site sketch. JBR placed a PVC datum with a temporary number of IN9-1 on the site as indicated on the updated site sketch. Isolated finds were also plotted on a USGS topographic map. All field notes are on file at JBR Environmental Consultants Inc., Springville, Utah.

7.1 Archaeological Expectations

Previous projects indicate that the potential for historic properties would be greatest near the Wells Draw Expansion and relatively low in the remaining project area. Gas and oil exploration activities have occurred in the area for the past three decades but rarely date prior to 1950. Prehistoric site potential was expected to vary with the terrain. Terraces and edges of large drainages were expected to have a relatively high prehistoric site potential. Other areas of undulating open spaces were expected to have a relatively low site potential.

8.0 INVENTORY RESULTS

8.1 Cultural Resource Inventory

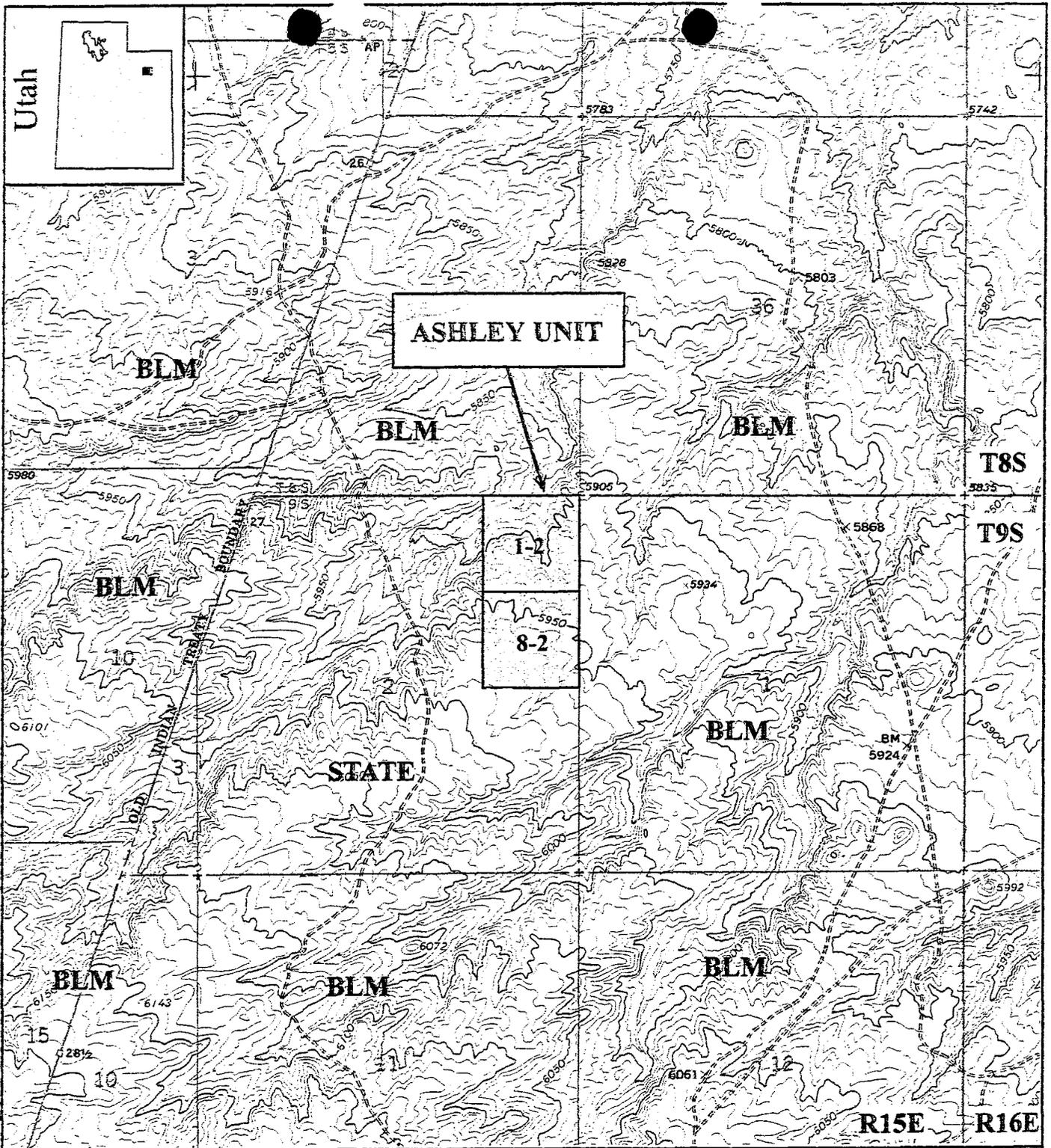
The class III inventory identified one previously recorded site, four newly recorded sites, and six isolated finds. The cultural resource sites consist of two prehistoric campsites and three lithic scatters. No historic sites were encountered. A summary of the cultural resource sites can be found in Table 4 and a short description of each of the five encountered sites is included in the following pages. The isolated finds are summarized in Table 5. Site locations are shown on Figures 4 and 6.

Table 4. Summary of Cultural Resource Sites.

Site Number	Ownership	Site Type	Cultural Affiliation	Evaluation
42DC795	SITLA	Lithic Scatter	Unknown Aboriginal	Ineligible
42DC1247	SITLA	Campsite	Unknown Aboriginal	Eligible
42DC1248	SITLA	Campsite	Unknown Aboriginal	Ineligible
42DC1249	SITLA	Lithic Scatter	Unknown Aboriginal	Ineligible
42DC1250	BLM	Lithic Scatter	Unknown Aboriginal	Ineligible

Table 5. Summary of Isolated Finds.

Number	Description	Location
IF-1	Hand soldered can	573170 mE 4435420 mN T8S R16E Section 32 SW¼ SW¼ SW¼ SE¼
IF-2	Green/tan primary flake	573780 mE 4435660 mN T8S R16E Section 32 NW¼ NE¼ SE¼ SE¼
IF-3	Hole-in-cap can	573170 mE 4435750 mN T8S R16E Section 32 NW¼ NW¼ SE¼ SE¼
IF-4	White chert biface	586420 mE 4433890 mN T9S R17E Section 10 NW¼ NW¼ NE¼ NE¼
IF-5	Cream chert secondary flake	586460 mE 4433550 mN T9S R17E Section 10 SW¼ SW¼ NE¼ NE¼
IF-6	Simonis Type #13 can	586260 mE 4432370 mN T9S R17E Section 10 SW¼ SE¼ SW¼ SE¼



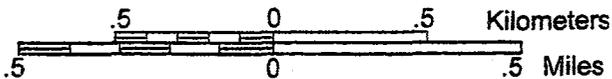
KEY:

BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT



CLASS III INVENTORY

N



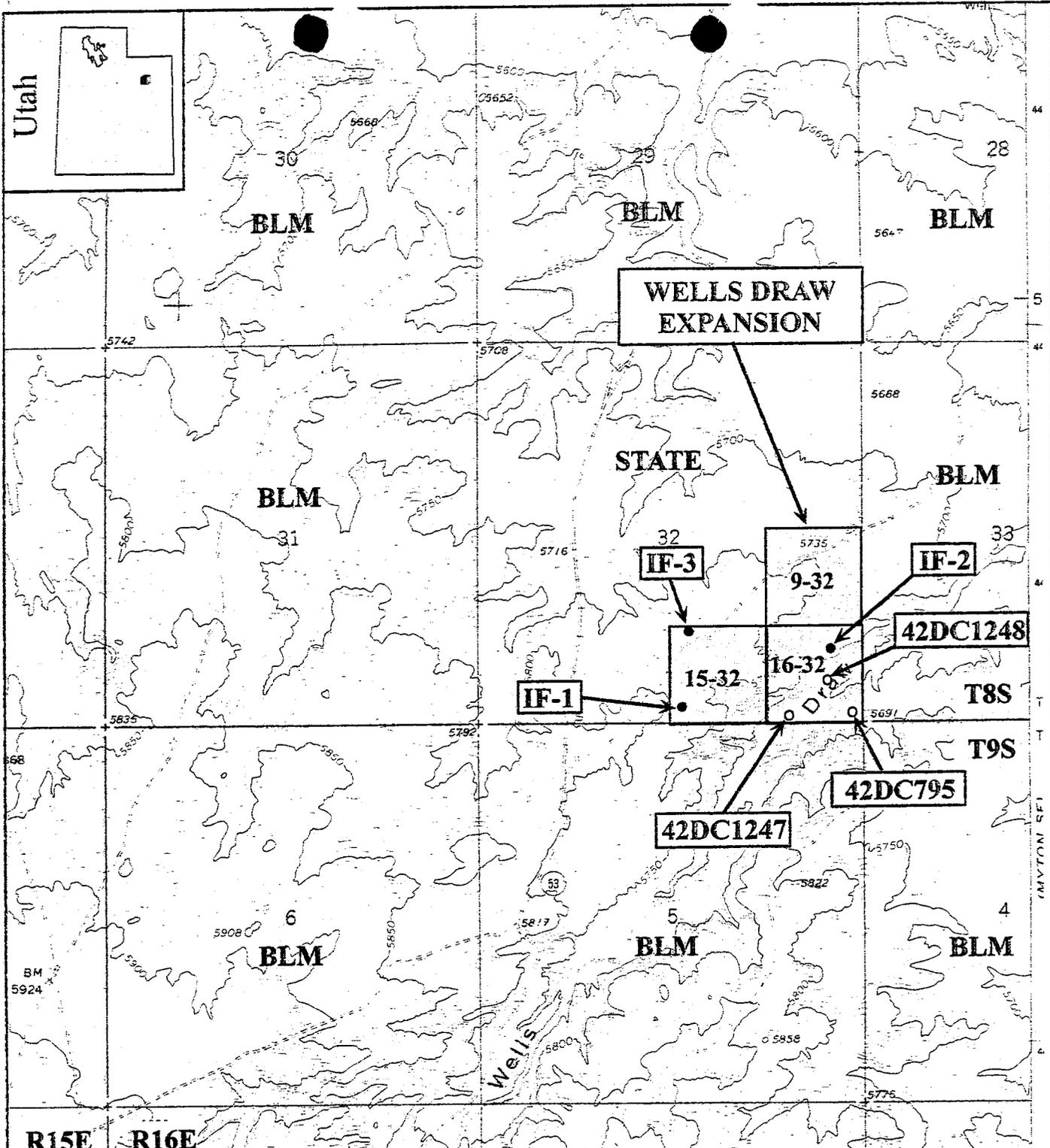
**INLAND RESOURCES -
NINE WELLS WITHIN FIVE UNITS**

**FIGURE 3
PROJECT AREA**



Environmental consultants, inc.

Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada



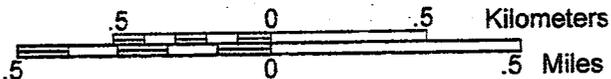
KEY:

BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT

○ CULTURAL RESOURCE SITE

● ISOLATED FIND

□ CLASS III INVENTORY



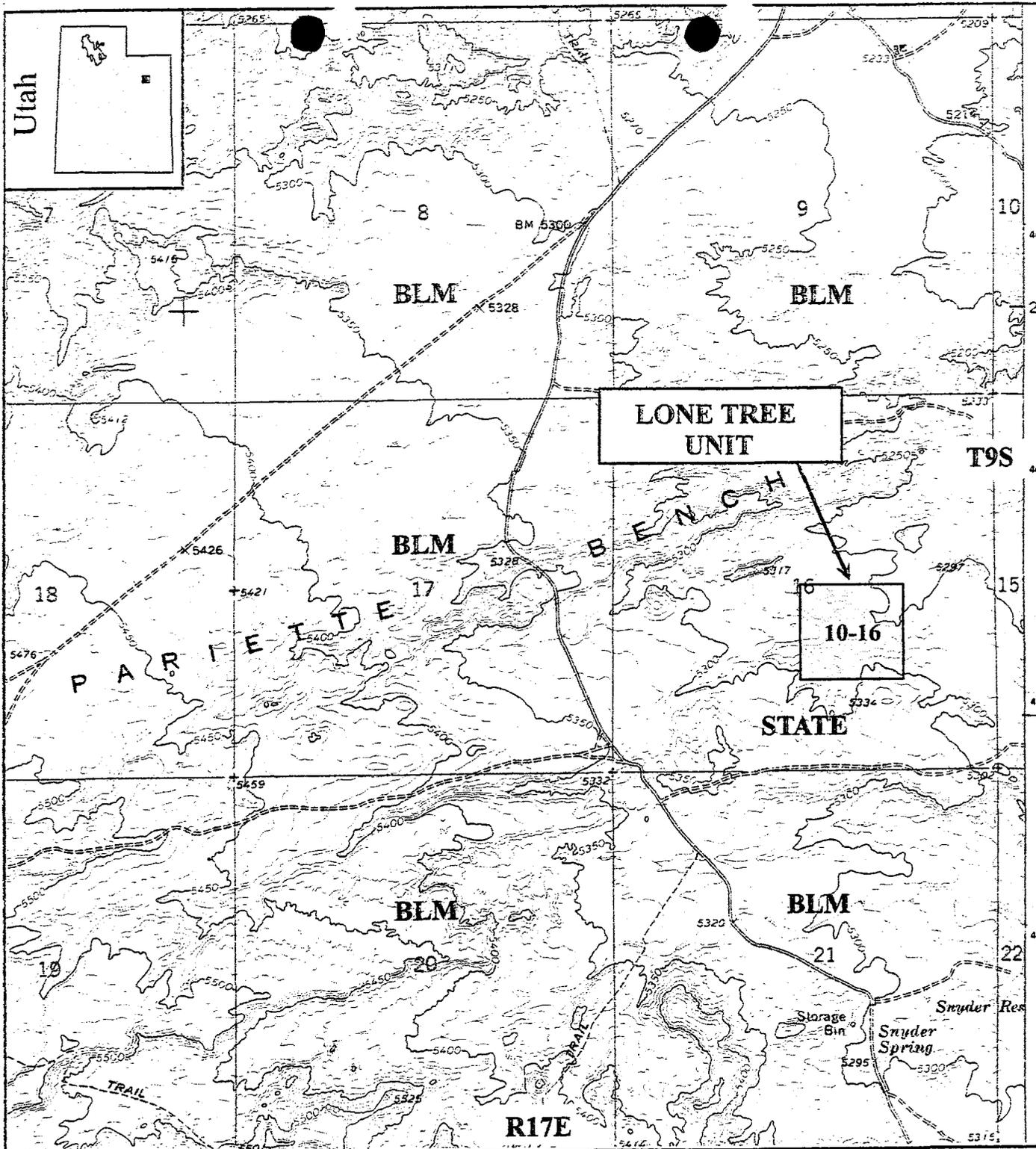
**INLAND RESOURCES -
NINE WELLS WITHIN FIVE UNITS**

**FIGURE 4
PROJECT AREA
AND CULTURAL RESOURCES**



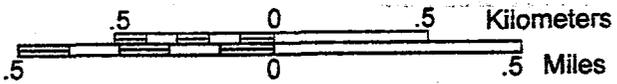
environmental consultants, inc.

Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada



KEY: BASE FROM MYTON SE, UT - 7.5 MIN QUAD, 1964
 CONTOUR INTERVAL 10 FT

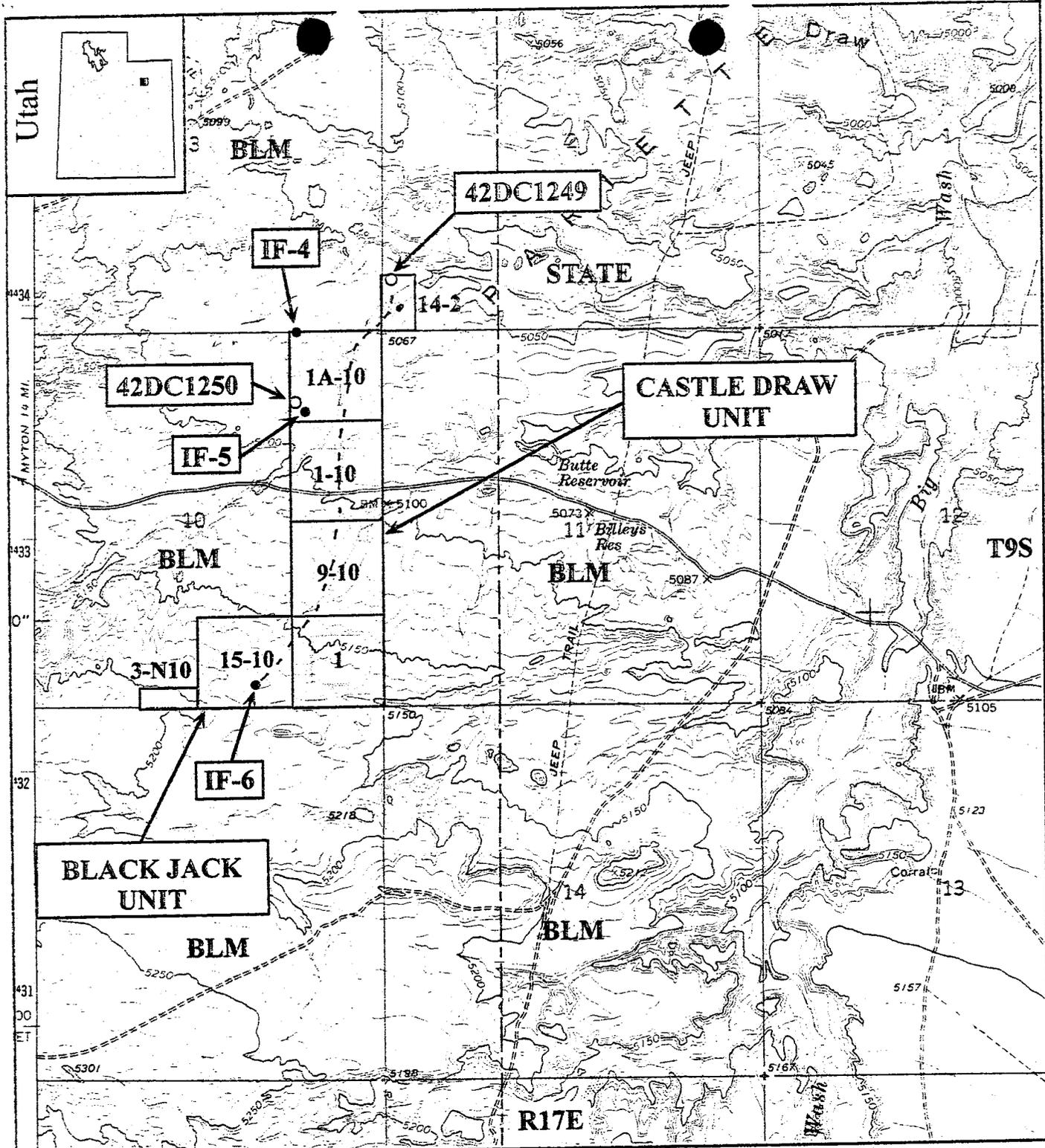
 CLASS III INVENTORY



**INLAND RESOURCES -
 NINE WELLS WITHIN FIVE UNITS**

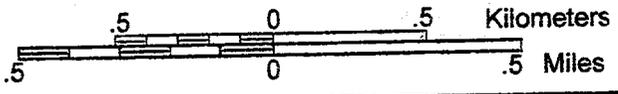
**FIGURE 5
 PROJECT AREA**

jbr
 environmental consultants, inc.
 Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada



KEY:
 BASE FROM PARIETTE DRAW SW, UT -
 7.5 MIN QUAD, 1964.
 CONTOUR INTERVAL 10 FT

- CULTURAL RESOURCE SITE
- ISOLATED FIND
- ▭ CLASS III INVENTORY



**INLAND RESOURCES -
 NINE WELLS WITHIN FIVE UNITS**

**FIGURE 6
 PROJECT AREA
 AND CULTURAL RESOURCES**

jbr
 Environmental consultants, inc.
 Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada

8.2 Site Summaries

Site Number: 42DC795

Temp Number: IN9-1

Figure Numbers: 4 and 7

Site Type: Lithic Scatter

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a north-south trending finger ridge south of Wells Draw.

Description: The site was originally recorded by Sagebrush in 1993. It is a lithic scatter located on a north-south trending finger to the south of Wells Draw. During the current revisit, the site appears the same as when originally recorded but extends over a larger area, 60 by 45 meters in size. It contains 40-50 flakes, two scrapers, a biface, a drill, and a core. Lithic debitage is 75% secondary flakes, 20% primary flakes, 4% tertiary flakes, and 1% shatter. Lithic material includes gray/brown chert, white chert, tan chert, and brown chert. Maximum density of flakes is five per square meter. No diagnostic tools, features, or fire-cracked rock were found. An area of dense lithics is present in the south end of the site next to an arroyo. No cultural depth was found in the more eroded areas of the site. Soils are semi-compact sands with small pebbles.

National Register Assessment: The site is a moderate size lithic scatter with four non-diagnostic tools. An erosional channel, next to the lithic concentration, was inspected for evidence of cultural deposition with negative results. It is unlikely that the site can provide further substantive data regarding lithic technology, site spatial patterning, chronology, or settlement patterns. The site does not meet any of the NRHP criteria and is recommended as **ineligible** for the NRHP.

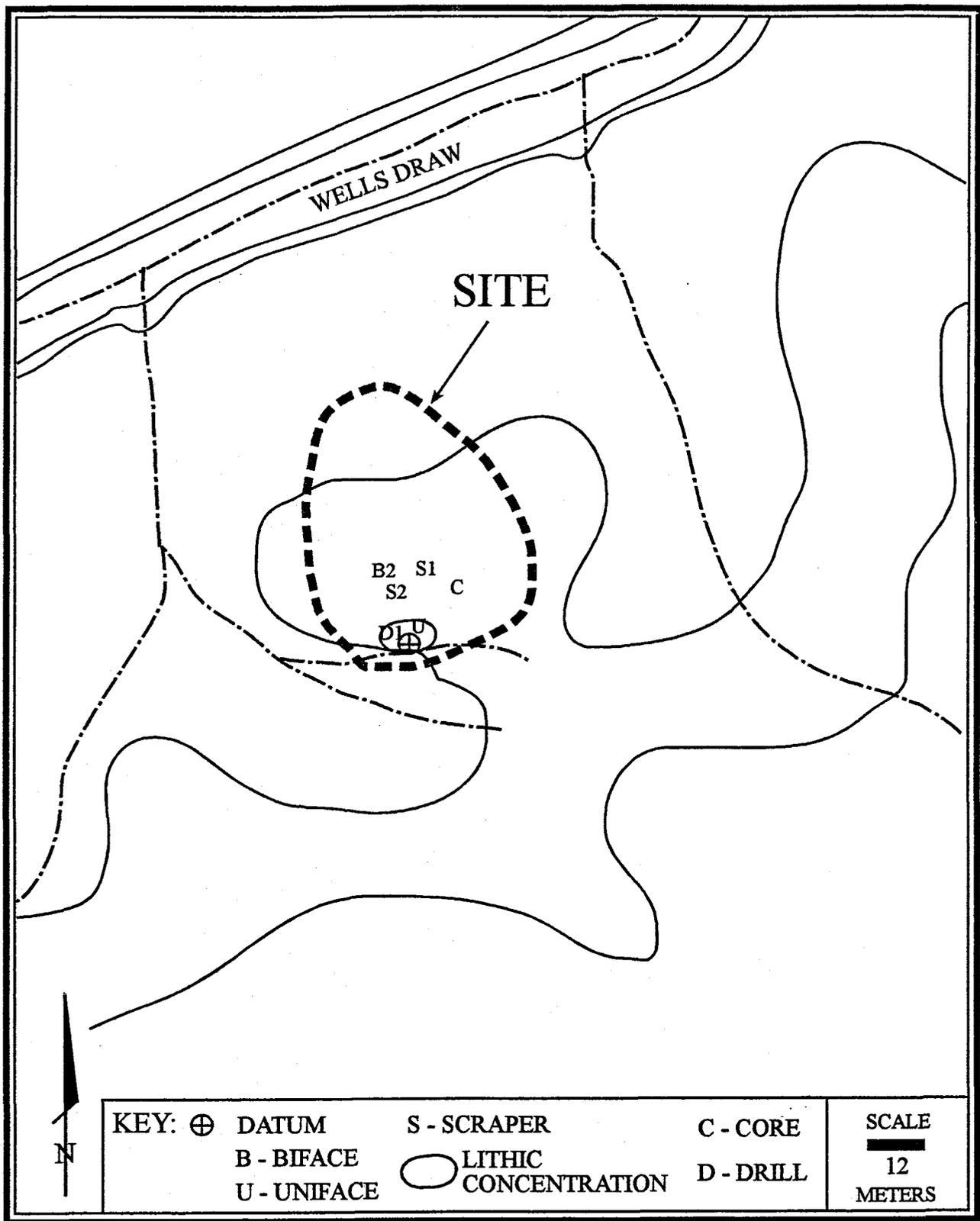


Figure 7. Plan map of site 42DC795.

Site Number: 42DC1247

Temp Number: IN9-2

Figure Numbers: 4 and 8

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a small finger between a drainage and Wells Draw in an area of undulating tableland.

Description: The site is a campsite located on a low finger between a drainage and Wells Draw. It is 30 by 18 meters in size and contains 40-50 flakes and 30-50 FCR fragments. Lithic debitage is mostly secondary flakes with a few primary flakes and shatter also noted. Most of the FCR and flakes are concentrated within a 16 by 8 meter area (Area 1). Lithic materials are primarily cherts but a few pieces of sandstone have also been flaked. Tools include four chert bifaces and a rhyolite chopper. No diagnostic tools, features, or ceramic were noted. There is some potential for subsurface deposits as flakes and FCR were noted partially buried. Soils are fine tan silts with numerous angular and sandstone gravels.

National Register Assessment: The site is a small campsite with one main concentration of artifacts. Several tools were found on site. The site may have cultural deposition as flakes and FCR were found partially buried. The site has the potential to provide substantive data regarding site spatial patterning, lithic technology, and settlement patterns. The site meets criterion D of the NRHP and is therefore recommended **eligible**.

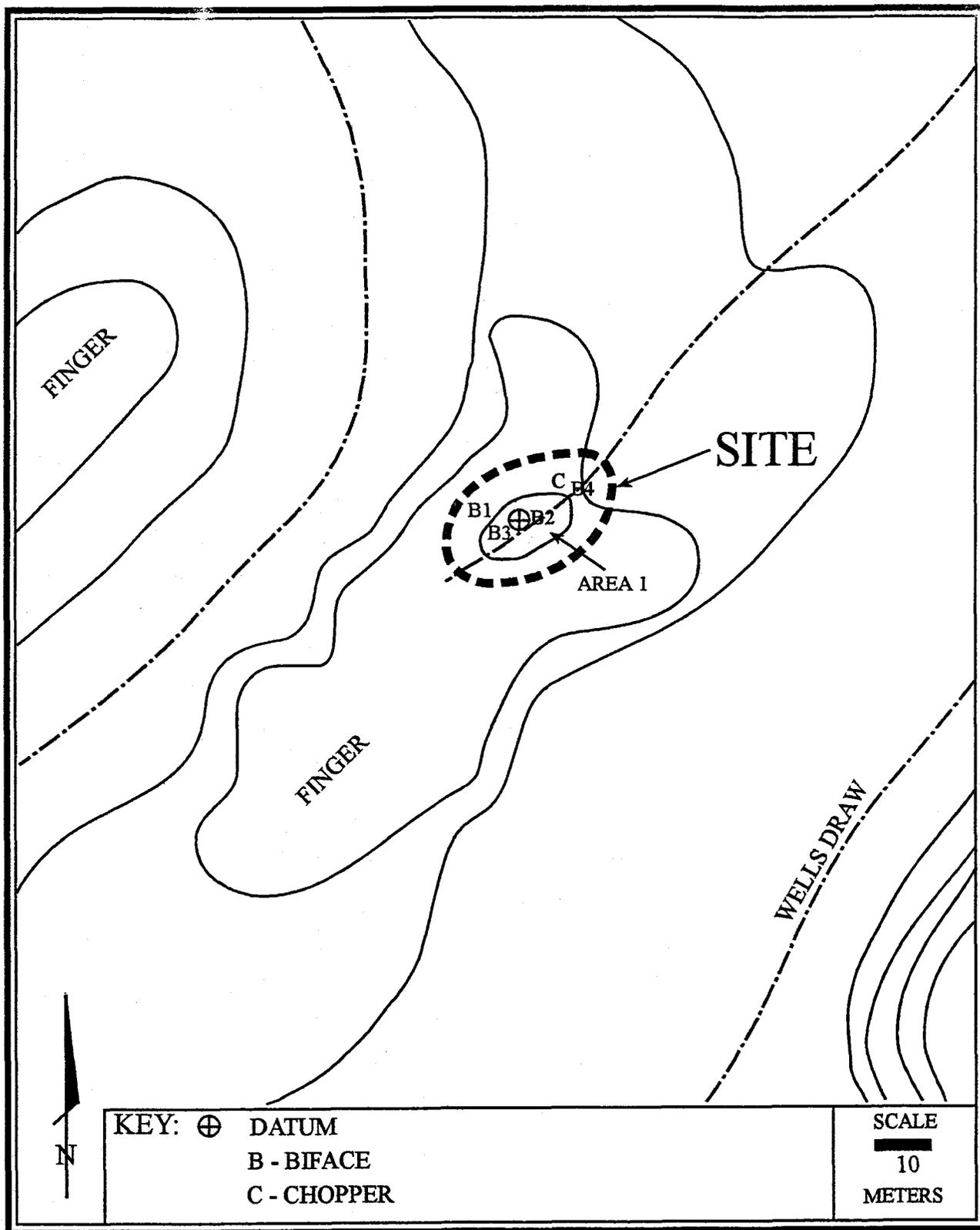


Figure 8. Plan map of site 42DC1247.

Site Number: 42DC1248

Temp Number: IN9-3

Figure Numbers: 4 and 9

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a low bench within Wells Draw in an area of undulating tableland.

Description: The site consists of a small campsite located on a small bench within Wells Draw. The site measures 40 by 15 meters and consists of 20-25 flakes and two pieces of FCR. Lithic materials are primarily cherts. Debitage consists of primary and secondary flakes. Two bifaces and a scraper were the only tools noted. No features, debitage concentrations, or diagnostic tools were found. Maximum density of flakes is two per square meter. Soils are tan silts with few sandstone and limestone gravels. No indications of cultural depth was evident in nearby arroyos.

National Register Assessment: The site is a small campsite with few flakes and only two pieces of FCR. Although three tools were noted, none are diagnostic. Eroded areas of the site boundary were inspected for subsurface cultural remains with negative results. There does not appear to be any potential for substantial cultural deposition. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site does not meet any of the NRHP criteria and is therefore recommended as **ineligible** for the NRHP.

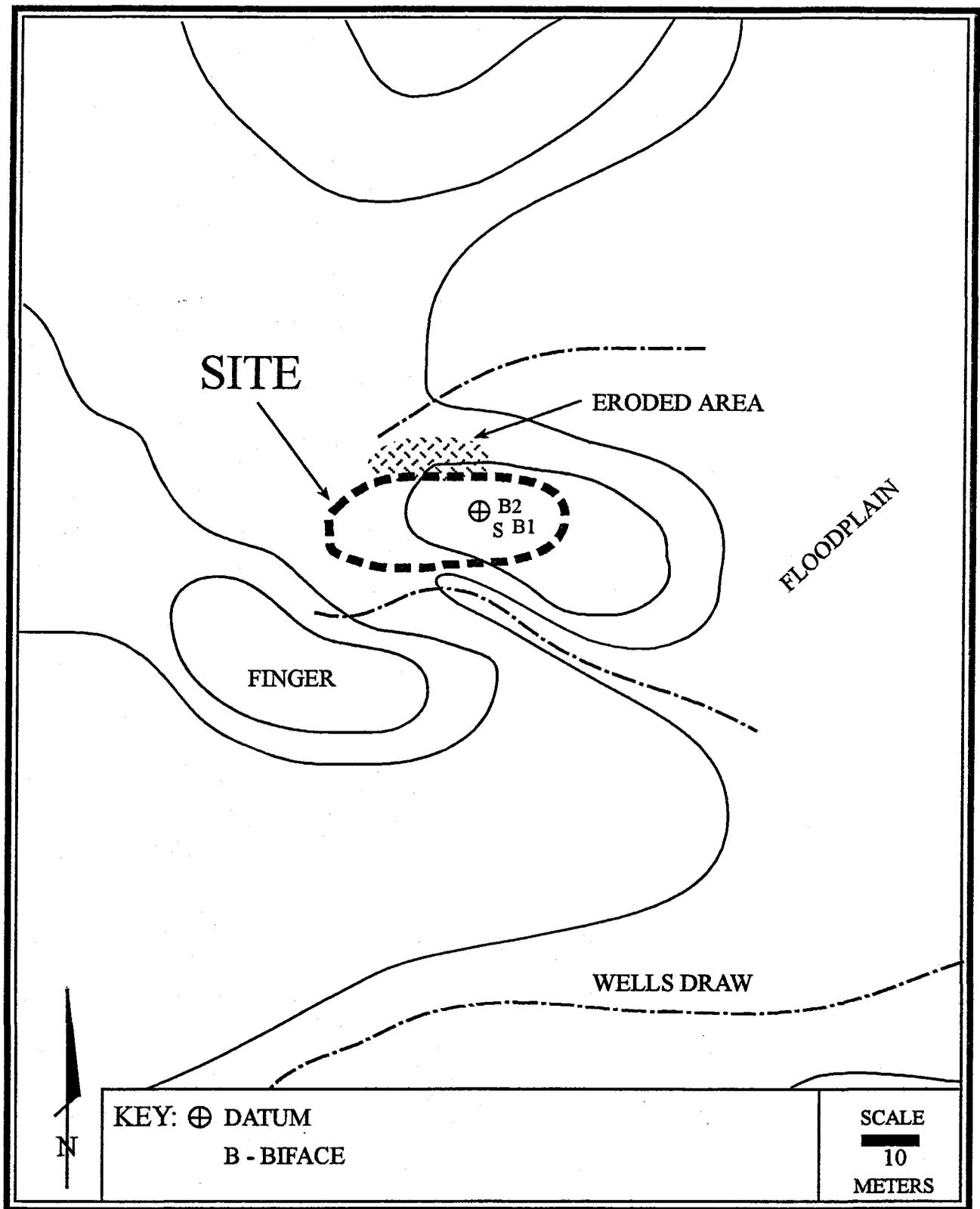


Figure 9. Plan map of site 42DC1248.

Site Number: 42DC1249

Temp Number: IN9-4

Figure Numbers: 6 and 10

Site Type: Lithic Scatter

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located in a deflated area at the edge of an aeolian sand deposit.

Description: The site is a small lithic scatter located in a deflated area at the edge of an aeolian sand deposit. It is 20 by 12 meters and consists of five secondary chert flakes and three primary chert flakes. One biface of white chert was also noted. Maximum density is two flakes per square meter. No debitage concentrations, features, or fire-cracked rock were found. Soils are loose sand dunes and semi-compact tan sands to the south and west of the site, with a gravel matrix in the deflated area of the site.

National Register Assessment: The site is small and sparse with only six artifacts noted. The five flakes and biface are scattered over a 20 by 12 meter area. There does not appear to be any potential for substantial cultural deposition as the site is situated in a deflated area. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site does not meet any of the NRHP criteria and is therefore recommended as **ineligible** for the NRHP.

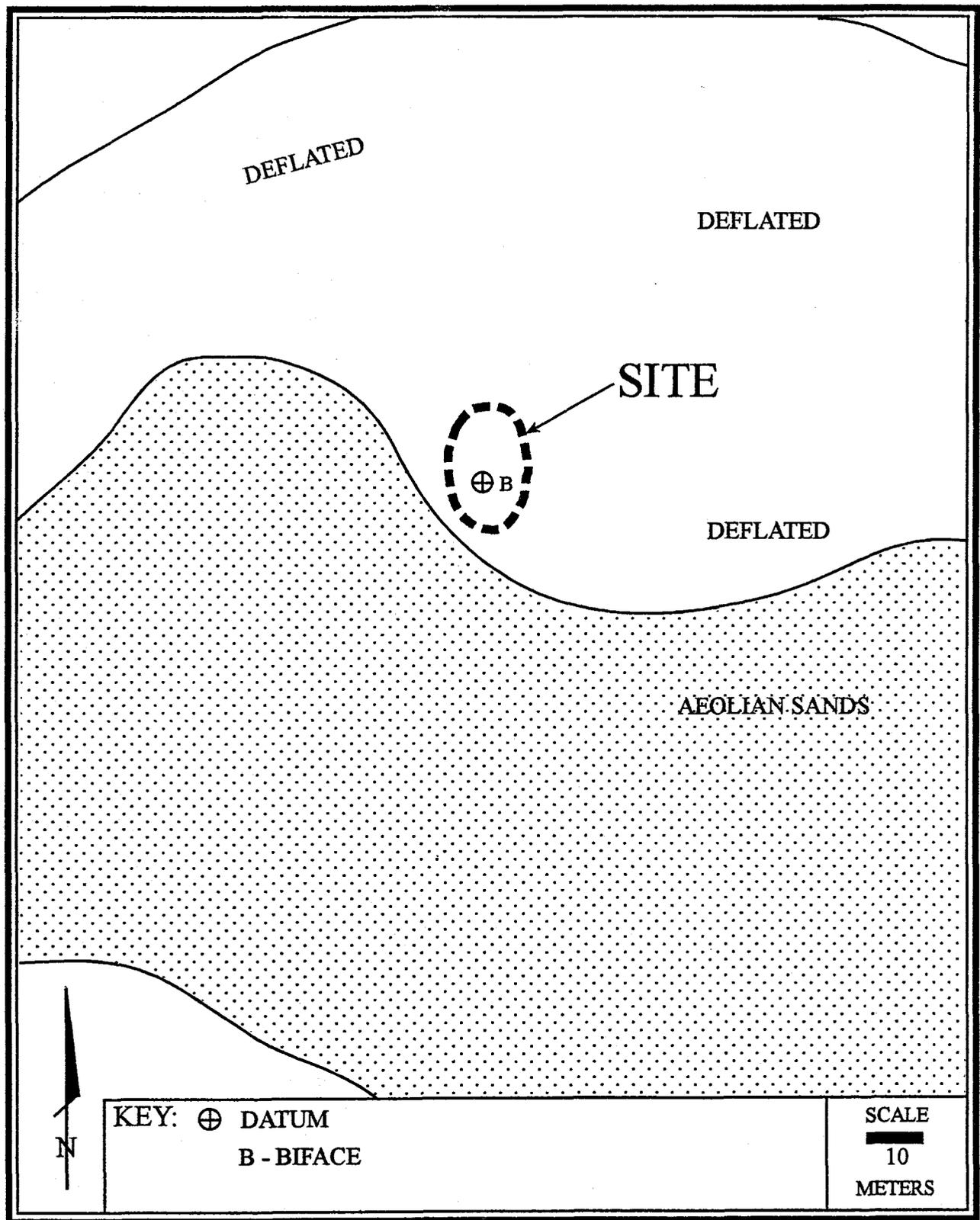


Figure 10. Plan map of site 42DC1249.

Site Number: 42DC1250

Temp Number: IN9-5

Figure Numbers: 6 and 11

Site Type: Lithic Scatter

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located in a deflated area between low aeolian dunes.

Description: The site is a lithic scatter located in a deflated area between aeolian sand deposits. It is 20 by 25 meters with 10-15 secondary flakes and three projectile points. Lithic material includes cream, white, and gray chert. The maximum density of flakes is two per square meter. No debitage concentrations, features, or fire-cracked rock were found. The site is located in a deflated area with little potential for subsurface cultural deposits. Soils are a gravel matrix surrounded by aeolian sand deposits.

National Register Assessment: The site is a small lithic scatter with few artifacts. Artifacts found on site include three projectile points which are not diagnostic or identifiable. No debitage concentrations, features, or fire-cracked rock were found. The site does not exhibit potential for subsurface cultural deposition. It is unlikely that the site will provide further substantive data regarding lithic technology, site spatial patterns, settlement patterns, or subsistence. The site does not meet any of the NRHP criteria and is therefore recommended **ineligible**.

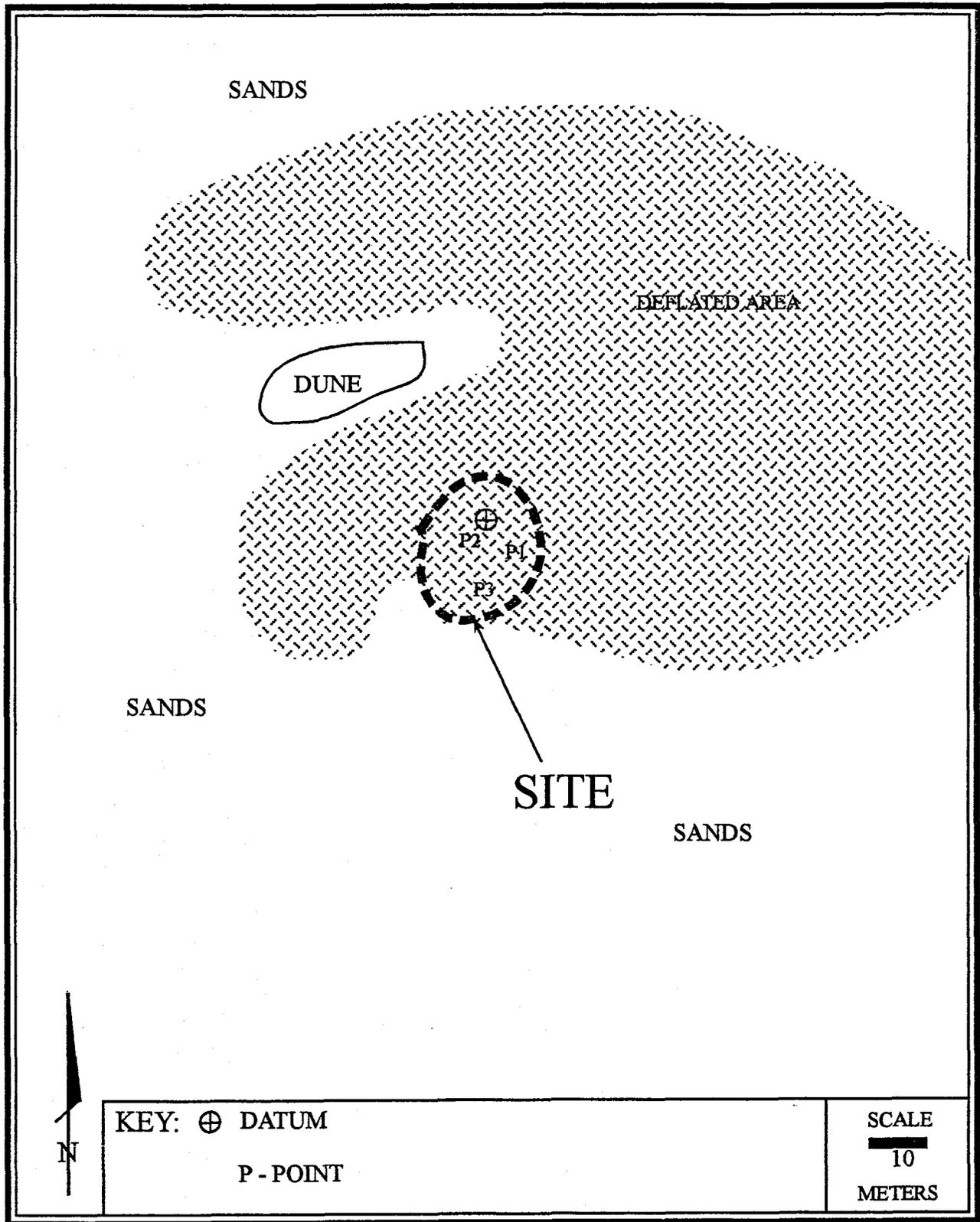


Figure 11. Plan map of site 42DC1250.

9.0 SUMMARY AND RECOMMENDATIONS

The Class III inventory identified one previously recorded cultural resource site and four newly recorded sites. Of the five sites, only one is recommended as eligible for the National Register of Historic Places (NRHP). The remaining four sites are recommended as ineligible for the NRHP. Based on the literature search, it was expected that few cultural resource sites would be found. Expected site types would be small lithic scatters and possibly a few small historic debris scatters. In addition, six isolated finds were recorded during the inventory. The paleontology work for the identified project is being completed under a separate report by Wade Miller.

No sites were encountered in the Ashley Unit well pads 1-2 and 8-2, and Lone Tree Unit 10-16.. Well pads 9-32, 15-32, and 16-32, in the Wells Draw Expansion, contained three prehistoric sites (42DC795, 42DC1247, 42DC1248), of which only one (42DC1247) is recommended as eligible for inclusion into the NRHP. Well pad 1A-10 and in-fill location 14-2 in the Castle Draw Unit contained two prehistoric sites (42DC1249, 42DC1250), both of which are recommended as ineligible for inclusion into the NRHP. The only eligible site (42DC1247) is located within well pad 16-32 of the Wells Draw Expansion and should be avoided. If avoidance is impractical, a research design and data recovery plan should be prepared for mitigation of the site. The development of well pads 1-2 and 8-2 in the Ashley Unit, 9-32 and 15-32 in the Wells Draw Expansion Unit, 10-16 in the Lone Tree Unit, 15-10 and in-fill 3-N10 in the Black Jack Unit, and 1A-10, 9-10, and in-fill locations 1-10, 1, and 14-2 in the Castle Draw Unit by Inland Resources will not affect any known significant cultural resource properties.

The nature and age of prehistoric cultural resources indicates that there is always the possibility of encountering previously unidentified cultural resources during any ground disturbing activities. In order to protect any unidentified or unrecorded cultural properties which may exist, the following restrictions should apply during construction of the drill pad:

1. Personnel and equipment associated with the project should be restricted to the area cleared for the project.
2. Personnel associated with the project should refrain from collecting or otherwise disturbing cultural materials that may be encountered during development.
3. If unrecorded cultural materials are encountered during the project, activities in the affected area(s) should cease, and the appropriate State office (SHPO), or BLM office, Vernal District should be notified before development in the area is resumed.
4. Human burials or other physical remains encountered during the project, require immediate cessation of activity in the affected area, as well as immediate notification of proper authorities. Native American burials or other remains must be reported to the BLM, Utah SHPO and appropriate Native American groups.

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**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/22/2000

API NO. ASSIGNED: 43-013-32087

WELL NAME: LONE TREE 10-16-9-17
 OPERATOR: INLAND PRODUCTION (N5160)
 CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:
 NWSE 16 090S 170E
 SURFACE: 1830 FSL 1863 FEL
 BOTTOM: 1830 FSL 1863 FEL
 DUCHESNE
 MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	<i>RJK</i>	5-11-00
Geology		
Surface		

LEASE TYPE: 3-State
 LEASE NUMBER: ML-3453B
 SURFACE OWNER: 3-State

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta³ Fee[]
(No. RN 4471291)
- Potash (Y/N)
- Oil Shale (Y/N) *190 - 5 (B)
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit Lone Tree (CR)
- R649-3-2. General
- Siting: _____
- R649-3-3. Exception
- Drilling Unit # Unit Operations &
Enhanced Recovery
- Board Cause No: 228-5
- Eff Date: 6-18-98
- Siting: Statewide Rules Suspended
- R649-3-11. Directional Drill

COMMENTS: Need Pmsite. (4/5/00)

STIPULATIONS: STATEMENT OF BASIS

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

Operator Name: Inland Production Company
Name & Number: Lone Tree #10-16-9-17
API Number: 43-013-32087
Location: 1/4,1/4 NW/SE Sec. 16 T. 9S R. 17E

Geology/Ground Water:

Inland has proposed setting surface casing to a depth of 300 feet at this location. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The depth to the base of the moderately saline ground water is estimated to be approximately 270 feet. The surface and near-surface material at this location is comprised of Uinta Formation and weathered Uinta Formation. The Uinta formation is made up of interbedded sandstones and shales. The sandstones are irregular in shape and laterally discontinuous and are not seen as an extensive or prolific source of water. The surface casing will be cemented back to surface and should adequately protect any ground water resources.

Reviewer: Brad Hill
Date: 5/9/2000

Surface:

A presite investigation of the surface area was done by the Roosevelt Field Office and Inland Production Company on April 5, 2000. State Lands (SITLA) and the Division of Wildlife Resources were invited to attend the onsite meeting, but neither agency attended. Surface area is well vegetated with sagebrush. The shallow, broad, dry wash to the north not an issue. No other problems with location construction were noted during visit.

Reviewer: Dennis L. Ingram
Date: April 17, 2000

Conditions of Approval/Application for Permit to Drill:

1. A reserve pit liner is optional but not required on this location.
2. If brine water is used to control a gas kick these fluids shall be hauled to appropriate disposal facilities and not dumped in reserve pit.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Inland Production Company
WELL NAME & NUMBER: Lone Tree #10-16-9-17
API NUMBER: 43-013-32087
LEASE: ML-3453B FIELD/UNIT: Monument Butte/Beluga/Lone Tree
LOCATION: 1/4, 1/4 NW/SE Sec: 16 TWP: 9S RNG: 17E 1830 FSL 1863 FEL
GPS COORD (UTM): No reading
SURFACE OWNER: State Lands (SITLA)

PARTICIPANTS

Brad Mecham (Inland Production Company); Dennis L. Ingram (DOGM)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Located approximately 1/4 mile south of Pariette Bench in the Monument Butte Field, on a north/northwest sloping bench on south side of a dry wash.

SURFACE USE PLAN

CURRENT SURFACE USE: Livestock grazing, wildlife use, hunting,

PROPOSED SURFACE DISTURBANCE: Proposed as 305'x 170' with reserve pit measuring 90'x 40' and an access road of .3 miles.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See map generated from GIS data base. (attached)

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production tanks And equipment will be located on location with residue and sales gas line leaving same and connecting to main field lines.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill or borrowed material.

ANCILLARY FACILITIES: None required

WASTE MANAGEMENT PLAN:

Attached to Application to Drill and submitted to DOGM

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Shallow and broad dry wash just north of location.

FLORA/FAUNA: Typical of region, shadscale, prickly-pear cactus, grease wood, sagebrush, native grass. Fauna also typical, antelope, deer, coyote, cougar, rabbit, birds of prey and other small mammals.

SOIL TYPE AND CHARACTERISTICS: Soils are tan silts with scattered sandstone and limestone gravels.

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation of Upper Eocene age.

EROSION/SEDIMENTATION/STABILITY: Minor erosion, some sedimentation, no stability problems anticipated with construction of location.

PALEONTOLOGICAL POTENTIAL: None observed during onsite meeting

RESERVE PIT

CHARACTERISTICS: Located on south side of location in cut and measuring 40' 90' x 8' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points. A synthetic liner will not be required.

SURFACE RESTORATION/RECLAMATION PLAN

According to SITLA stipulations at time of reclamation

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Done by JBR Environmental Consultants Inc

OTHER OBSERVATIONS/COMMENTS

Shallow dry wash to the north

ATTACHMENTS:

Photos of surface from north clockwise and surface vegetation

Dennis L. Ingram
DOGM REPRESENTATIVE

04/05/00 10:00 am
DATE/TIME

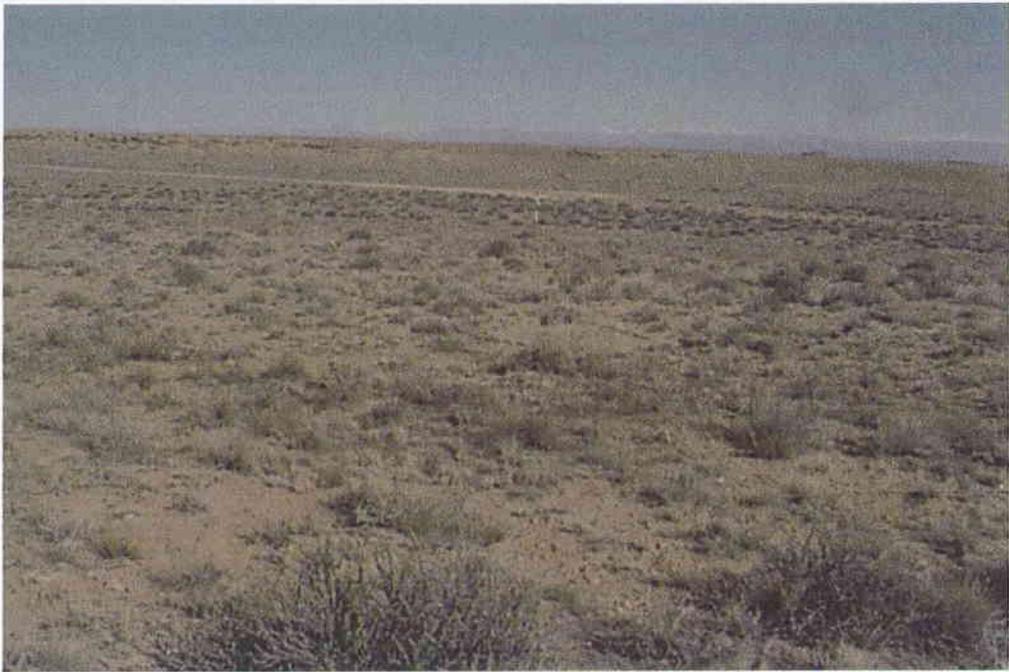
**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<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	15	<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	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<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 (Level II Sensitivity)		<u>15</u>











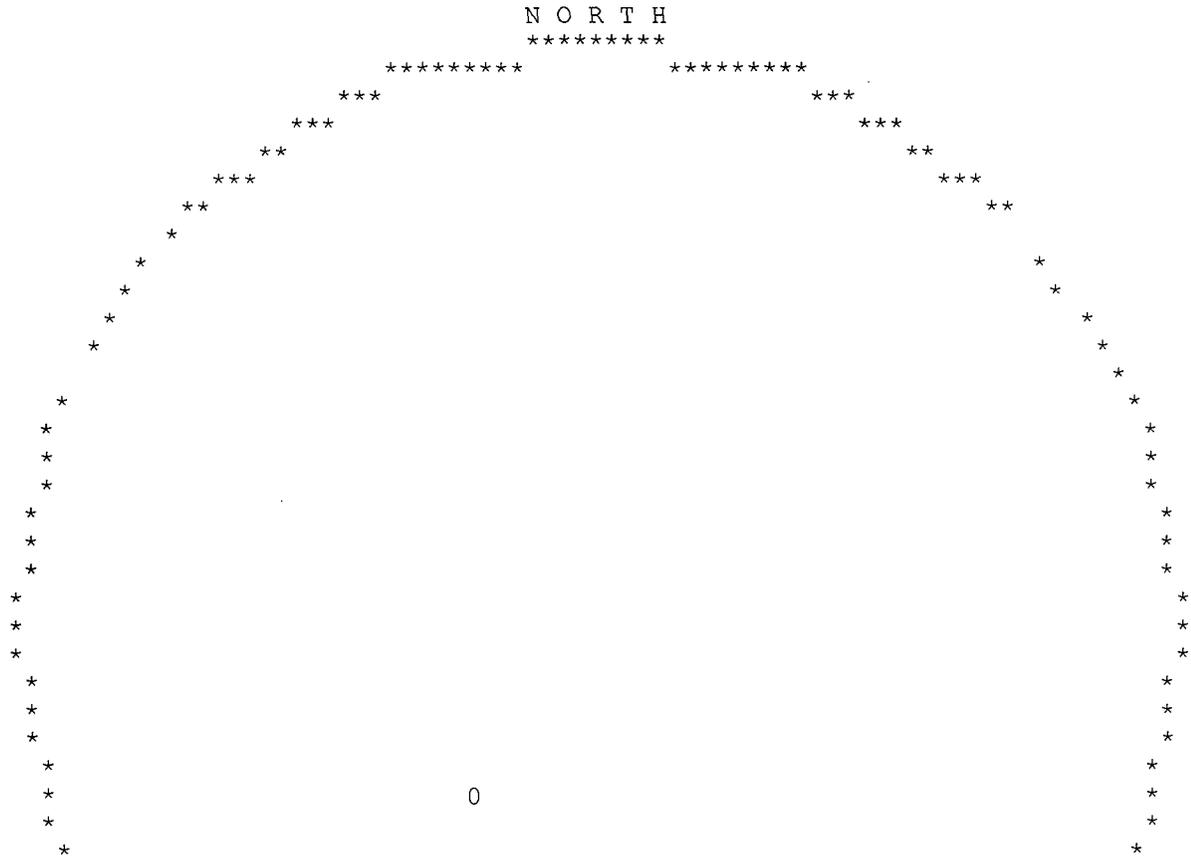


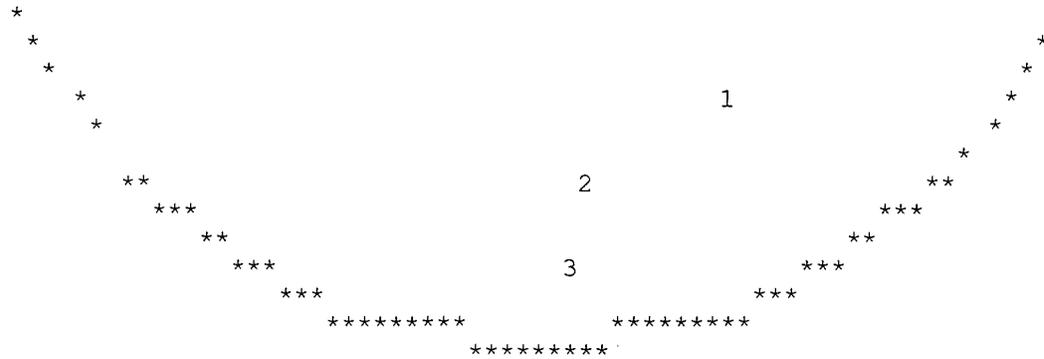


UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, MAY 9, 2000, 9:47 AM
PLOT SHOWS LOCATION OF 4 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 16 TOWNSHIP 9S RANGE 17E SL BASE AND MERIDIAN

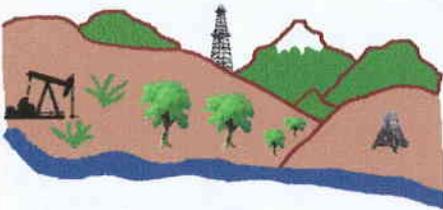
PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





UTAH DIVISION OF WATER RIGHTS
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

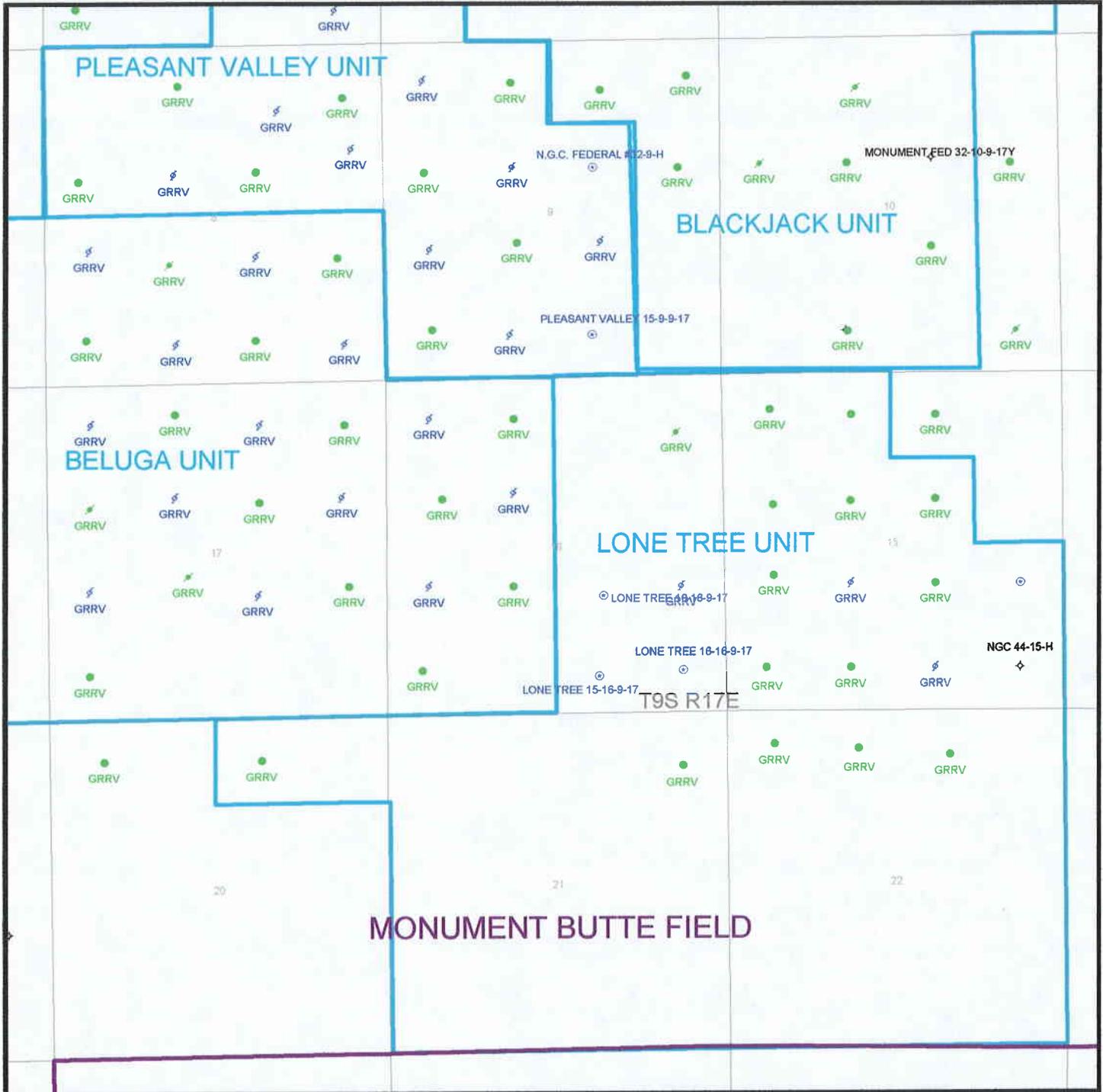
MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO	POINT OF DIVERSION DESCRIPTION
CHAR	RIGHT	CFS	AND/OR AC-FT	DIAMETER DEPTH YEAR LOG	NORTH EAST CNR SEC TWN RNG B&M
0	47 1758	.0000	9.85	Snyder Springs Reservoir # 1	S 250 E 400 NW 21 9S 17E SL WATER USE(S): STOCKWATERING OTHER USA Bureau of Land Management (Vernal Di 170 South 500 East) PRIORITY DATE: 01/02/198 Vernal
1	47 1584	.0000	.00	unnamed stream	170 South 500 East PRIORITY DATE: 00/00/188 Vernal
2	47 1333	.0020	.00	Unnamed Spring	N 680 E 810 S4 21 9S 17E SL WATER USE(S): STOCKWATERING USA Bureau of Land Management 2370 South 2300 West PRIORITY DATE: 00/00/188 Salt Lake City
3	47 1320	.0110	.00	Snyder Spring	2370 South 2300 West PRIORITY DATE: 00/00/188 Salt Lake City



Utah Oil Gas and Mining

Serving the Industry, Protecting the Environment

OPERATOR: INLAND PRODUCTION CO. (N5160)
FIELD: MONUMENT BUTTE (105)
SEC. 16, T 9 S, R 17 E
COUNTY: DUCHESNE SPACING: STATE



PREPARED
DATE: 23-Mar-2000

Well name:

5-00 Inland LTU 10-16-9-17

Operator: **Inland**

String type: **Surface**

Project ID:

43-013-32087

Location: **Duchesne Co.**

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: 75 °F
Bottom hole temperature: 79 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 0 ft

Burst

Max anticipated surface pressure: -2,574 psi
Internal gradient: 9.018 psi/ft
Calculated BHP 131 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: 262 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 300 ft
Next mud weight: 8.400 ppg
Next setting BHP: 131 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure 300 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 (ft ³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4
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	131	1370	10.47	131	2950	22.54	6	244	38.79 J

Prepared RJK
by: Utah Dept. of Natural Resources

Date: May 11,2000
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
In addition, burst strength is biaxially adjusted for tension.

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

Well name:

5-00 Inland LTU 10-16-9-17

Operator: Inland

String type: Production

Project ID:

43-013-32087

Location: Duchesne Co.

Design parameters:

Collapse

Mud weight: 8.330 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: 75 °F
Bottom hole temperature: 166 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 191 ft

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 2,813 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)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 5,681 ft

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 (ft ³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.8
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	2813	4040	1.44	2813	4812	1.71	88	217	2.46 J

Prepared RJK
by: Utah Dept. of Natural Resources

Date: May 11,2000
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
In addition, burst strength is biaxially adjusted for tension.

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

5-00 Inland LTU 10-16-9-

Casing Schematic

Surface

8-5/8"
MW 8.4
Frac 19.3

TOC @
191.
Surface
300. MD

TOC @
0.

8%

~15%

Cement tops
w/ $\frac{1}{2}$ inch
Cody
washout.

5-1/2"
MW 8.3

Production
6500. MD

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

May 12, 2000

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2000 Plan of Development Lone Tree Unit
Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2000 within the Lone Tree Unit, Duchesne County, Utah.

43-013-32087 Lone Tree 10-16-9-17 1830 FSL 1863 FEL Sec. 16, T9S, R17E Prop PZ-Grrv
43-013-32089 Lone Tree 15-16-9-17 575 FSL 1929 FEL Sec. 16, T9S, R17E Prop PZ-Grrv
43-013-32150 Lone Tree 16-16-9-17 660 FSL 660 FEL Sec. 16, T9S, R17E Prop PZ-Grrv

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Greater Boundary
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

Mcoulthard:mc:5-12-0



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

May 15, 2000

Inland Production Company
410 - 17th Street, Suite 700
Denver CO 80202

Re: Lone Tree 10-16-9-17 Well, 1830' FSL, 1863' FEL, NW SE, Sec. 16, T. 9S, R. 17E,
Duchesne County, Utah

Gentlemen:

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

This approval will expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32087.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza
Associate Director

er

Enclosures

cc: Duchesne County Assessor

SITLA

Bureau of Land Management, Vernal District Office

Operator: Inland Production Company

Well Name & Number: Lone Tree 10-16-9-17

API Number: 43-013-32087

Lease: ML-3453B

Location: NW SE **Sec.** 16 **T.** 9S **R.** 17E

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division 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

Division contacts (please leave a voice mail message if the person is not available to take the call):

- . Dan Jarvis at (801)538-5338
- . Robert Krueger at (801)538-5274 (plugging)
- . 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)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Com pany: INLAND PRODUCTION COMPANY

Well Name: LONE TREE 10-16-9-17

Api No.. 43-013-32087 LEASE TYPE: STATE

Section 16 Township 09S Range 17E County DUCHESNE

Drilling Contractor LEON ROSS DRILLING RIG # 14

SPUDDED:

Date 02/05/2001

Time 8:30 AM

How DRY

Drilling will commence _____

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 02/06/2001 Signed: CHD

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

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

OPERATOR ACCT. NO N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B A	99999	12419	43-013-32178	Ashley #16-12	SE/SE	12	9S	15E	Duchesne	January 24, 2001	01/24/2001

WELL 1 COMMENTS:
 2-15-01

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B A	99999	12419	43-013-32181	Ashley #5-12	SW/NW	12	9S	15E	Duchesne	January 30, 2001	01/30/2001

WELL 2 COMMENTS:
 2-15-01

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B A	99999	12417	43-013-32087	Lone Tree #10-16-9-17	SW/SE	16	9S	17E	Duchesne	February 5, 2001	02/05/2001

WELL 3 COMMENTS:
 2-15-01

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B A	99999	12417	43-013-32089	Lone Tree #15-16-9-17	SW/SE	16	9S	17E	Duchesne	February 7, 2001	02/07/2001

WELL 4 COMMENTS:
 2-15-01

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or individual)
 - 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
 Production Clerk
 February 15, 2001
 Date



PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

February 12, 2001

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

Dear Carol:

Please find enclosed Form-5. For the Lone Tree 10-16-9-17. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

Pat Wisener,
Drilling Foreman

Enclosures;
Cc: Denver office well file
Pleasant Valley office well file

pw

RECEIVED

FEB 14 2001

DIVISION OF
OIL, GAS AND MINING

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

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. ML - 3453B	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Beluga/Lone Tree	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME Lone Tree	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		9. # 10-16-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1830' FSL & 1863' FEL NW/SE		10. FIELD AND POOL OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 16, T9s, R17E	
14. API NUMBER 43-013-32087	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5273.7 GR	12. COUNTY OR PARISH Duchesne	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRAC TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
ABANDON* <input type="checkbox"/>	(OTHER) <u>Spud notice</u> <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	
(OTHER) _____ <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU Ross rig #14. Spud well @on 2/05/01. Drill 12 1/4" hole to a depth of 300'. PU & MU 7 jt's 85/8" J-55 24# csgn set depth of 295.35/ GL. 2/9/01. Cement with 155 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 2 bbls cement returned to surface.

18 I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Drilling Foreman DATE 02/12/2001

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY

* See Instructions On Reverse Side



December 16, 2003

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels
Re: Completion reports

Dear Ms. Carol Daniels

Enclosed are the preliminary completion reports for the wells spud more than 4 months ago, but not reported as completed.

Inland Resources intends to drill and complete most of the wells on this list in the year 2004. At that time, I will be sending to you the final completion reports for these wells.

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

Sincerely,

Brian Harris
Engineering Tech

RECEIVED
DEC 22 2003
DIV. OF OIL, GAS & MINING

**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-3453B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Lone Tree

8. FARM OR LEASE NAME, WELL NO.
Lone Tree 10-16-9-17

2. NAME OF OPERATOR
INLAND RESOURCES INC.

9. WELL NO.
43-013-32087

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 1830' FSL & 1863' FEL (NW SE) Sec. 16, T9S, R17E
 At top prod. Interval reported below

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 16, T9S, R17E

At total depth

14. API NO. 43-013-32087 DATE ISSUED 5/15/2000

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 2/5/2001 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 8-9-01 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5273' GL 19. ELEV. CASINGHEAD 5285' KB

20. TOTAL DEPTH, MD & TVD 305 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY -----> 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River

25. WAS DIRECTIONAL SURVEY MADE No 27. WAS WELL CORED No

26. TYPE ELECTRIC AND OTHER LOGS RUN

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#	305'	12-1/4"	To surface with 145 sx Class "G" cmt	
5-1/2" - J-55	15.5#		7-7/8"		

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 @	TA @

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) _____ WELL STATUS (Producing or shut-in) **TA W/O Drill rig**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->				#VALUE!

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** **RECEIVED DEC 22 2003** WITNESSED BY _____

35. LIST OF ATTACHMENTS **DIV. OF OIL, GAS & MINING**

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

SIGNED Brian Harris TITLE Engineering Technician DATE 12/16/03

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	
				MEAS. DEPTH	TRUE VERT. DEPTH
			<p style="text-align: center;">Well Name Lone Tree 10-16-9-17</p>		
				<p>Garden Gulch Mkr Garden Gulch 1 Garden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr B Limestone Mkr Castle Peak Basal Carbonate Total Depth (LOGGERS)</p>	

Wells Spudded More than 4 Months Ago But Not Yet Reported As Completed

Well Name			Twp-Rng-Sec		API Number		Spud Date
S WELLS DRAW 13-3-9-16			09S 16E 03		4301332106		9/22/2000
LONE TREE 10-16-9-17			09S 17E 16		4301332087		2/5/2001
LONE TREE 15-16-9-17			09S 17E 16		4301332089		2/7/2001
LONE TREE 16-16-9-17			09S 17E 16		4301332150		2/13/2001
ODEKIRK SPRINGS 15-35-8-17			08S 17E 35		4304733550		4/11/2001
GBU 1-34-8-17			08S 17E 34		4301332252		8/12/2001
GBU 7-34-8-17			08S 17E 34		4301332257		8/30/2001
ASHLEY 2-11-9-15			09S 15E 11		4301332214		10/24/2001
S WELLS DRAW 14-3-9-16			09S 16E 03		4301332139		2/18/2002
S WELLS DRAW 11-3-9-16			09S 16E 03		4301332138		2/19/2002
ASHLEY 7-11-9-15			09S 15E 11		4301332215		7/8/2002
JONAH 4-11-9-16			09S 16E 11		4301332279		1/2/2003
GBU 10-26-8-17			08S 17E 26		4304734309		1/29/2003
GBU 2-26-8-17			08S 17E 26		4304734163		4/29/2003
JONAH 7-14-9-16			09S 16E 14		4301332338		5/12/2003
JONAH 6-14-9-16			09S 16E 14		4301332337		6/9/2003
JONAH 5-14-9-16			09S 16E 14		4301332336		6/11/2003
LONE TREE U 8-16-9-17			09S 17E 16		4301332311		7/15/2003
HUMPBACK FED 9-24-8-17			08S 17E 24		4304734881		7/21/2003
LONE TREE U 7-16-9-17			09S 17E 16		4301332310		7/25/2003

DEC 22 2003

DIV OF OIL, GAS & MINING

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

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-3453B	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME MONUMENT BUTTE	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME LONE TREE 10-16-9-17	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. WELL NO. LONE TREE 10-16-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SE Section 16, T9S R17E 1830 FSL 1863 FEL		10. FIELD AND POOL, OR WILDCAT LONE TREE	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SE Section 16, T9S R17E		12. COUNTY OR PARISH DUCHESNE	
14. API NUMBER 43-013-32087		13. STATE UT	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5274 GR			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/>	Weekly Status report
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 3-13-04. MIRU Patterson #155. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Roosevelt, SLC office was notified of test. PU BHA and tag cement @ 243'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 5665'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 129 Jt's 51/2" J-55 15.5# csgn. Set @ 5644' KB. Cement with 300 sks Prem Lite II w/ 3% KCL, 10 % Gel, 5#"s sk CSE, 3#"s sk Kalseal, .8% Sms, 1/2# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 400 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/2# sk Celloflake.

18 I hereby certify that the foregoing is true and correct

SIGNED *Roy Hanna* TITLE Drilling Foreman DATE 3-18-04

cc: BLM
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
MAR 23 2004
DIV. OF OIL, GAS & MINING

* See Instructions On Reverse Side

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5644.2

Fit cllr @

LAST CASING 8 5/8" SET AT 306'

OPERATOR Inland Production Company

DATUM 12.5 KB

WELL Lone Tree 10-16-9-17

DATUM TO CUT OFF CASING 12.5

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Patterson 155

TD DRILLER 5665 LOGGER 5660'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6.13' 3992' short jt					
129	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5610.45
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	20
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5645.7
TOTAL LENGTH OF STRING	5645.7	130	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12.5
PLUS FULL JTS. LEFT OUT	174.4	4	CASING SET DEPTH	5644.2
TOTAL	5804.85	134	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	5804.85	134		
TIMING	1ST STAGE	2nd STAGE		
BEGIN RUN CSG.	7:00 AM	3/18/04	GOOD CIRC THRU JOB	YES
CSG. IN HOLE	11:30 AM	3/18/04	Bbls CMT CIRC TO SURFACE	40 OF 50 bbls dye water to pit
BEGIN CIRC	12:00 PM	3/18/04	RECIPROCATED PIPE FOR	THRUSTROKE
BEGIN PUMP CMT	12:25 PM	3/18/04	DID BACK PRES. VALVE HOLD ?	yes
BEGIN DSPL. CMT	1:08 PM	3/18/04	BUMPED PLUG TO	2200 PSI
PLUG DOWN	1:42 PM	3/18/04		

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1		Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2		50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.	
RECEIVED	
MAR 23 2004	
DIV. OF OIL, GAS & MINING	

COMPANY REPRESENTATIVE Ray Herrera

DATE 3/18/04

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.</p> <p>OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/></p> <p>2. NAME OF OPERATOR INLAND PRODUCTION COMPANY</p> <p>3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</p> <p>4. LOCATION OF WELL</p> <p>Footages 1830 FSL 1863 FEL</p> <p>QQ, SEC, T, R, M: NW/SE Section 16, T9S R17E</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. ML-3453B</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p> <p>7. UNIT AGREEMENT NAME MONUMENT BUTTE</p> <p>8. WELL NAME and NUMBER LONE TREE 10-16-9-17</p> <p>9. API NUMBER 43-013-32087</p> <p>10. FIELD AND POOL, OR WILDCAT LONE TREE</p> <p>COUNTY DUCHESNE STATE UTAH</p>
---	---

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

<p>NOTICE OF INTENT: (Submit in Duplicate)</p> <p><input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF</p> <p><input checked="" type="checkbox"/> OTHER <u>Dispose Water</u></p>	<p>SUBSEQUENT REPORT OF: (Submit Original Form Only)</p> <p><input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> OTHER _____</p> <p>DATE WORK COMPLETED _____</p> <p>Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p><small>*Must be accompanied by a cement verification report.</small></p>
--	---

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

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.

13. NAME & SIGNATURE: Mandie Crozier TITLE Regulatory Specialist DATE 4/14/2004
Mandie Crozier

(This space for State use only)

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

**RECEIVED
APR 15 2004
DIV. OF OIL, GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Inland Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1830 FSL 1863 FEL

NW/SE Section 16 T9S R17E

5. Lease Serial No.

UTU77236X

6. If Indian, Allottee or Tribe Name.

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

LONE TREE UNIT

8. Well Name and No.

LONE TREE 10-16-9-17

9. API Well No.

4301332087

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

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

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

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

Status report for time period 3/29/04 - 4/07/04

Subject well had completion procedures initiated in the Green River formation on 3/29/04 without the use of a service rig over the well. A cement bond log was run and a total of six Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5498-5510') (4 JSPF); #2 (5228-5245') (4 JSPF); #3 (4778-4792') (4 JSPF); #5 (4458-4462') & (4428-4441') (ALL 4 JSPF); #6 (3928-3948') (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 4/01/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 5624'. Zones were swab tested for sand cleanup. A BHA & production tubing string were run in and anchored in well. End of tubing string @ 4608'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 4/07/04.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)
Jodi Wyatt

Signature
Jodi Wyatt

Title

Production Clerk

Date

4/15/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title

Office

Date

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

(Instructions on reverse)

RECEIVED

APR 16 2004

DIV. OF OIL, GAS & MINING

Inland Resources Inc.

May 11, 2004

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

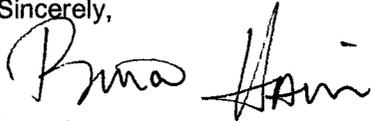
Lonetree 10-16-9-17 (43-013-32087)
Duchesne County, Utah

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
Matt Richmond/Roosevelt

RECEIVED
MAY 13 2004
DIV. OF OIL, GAS & MINING

Alamo Plaza Building
1401 Seventeenth Street, Suite 1000
Denver, CO 80202
303-893-0102 • Fax: 303-893-0103

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 _____

2. NAME OF OPERATOR
INLAND RESOURCES INC.
 3. ADDRESS AND TELEPHONE NO.
1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
 At Surface 1830' FSL & 1863' FEL (NW SE) Sec. 16, T9S, R17E
 At top prod. Interval reported below
 At total depth _____

14. API NO. 43-013-32087 DATE ISSUED 5/15/2000
 12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 2/5/2001 16. DATE T.D. REACHED 3/17/2004 17. DATE COMPL. (Ready to prod.) 4/7/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5273' GL 5285' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5665' 21. PLUG BACK T.D., MD & TVD 5624' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY -----> ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 3928'-5510'
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIGL/SP/CDL/GR/Cal (CBL)
 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#	305'	12-1/4"	To surface with 145 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5644'	7-7/8"	300 sx Premite II and 400 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 @ 5534'	TA @ 5433'

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5498-5510'	.038"	4/48	5498-5510'	Frac w/ 34,697# 20/40 sand in 356 bbls fluid.
(CP1) 5228-5245'	.038"	4/68	5228-5245'	Frac w/ 34,678# 20/40 sand in 350 bbls fluid.
(A1) 4778-4792'	.038"	4/56	4778-4792'	Frac w/ 34,709# 20/40 sand in 335 bbls fluid.
(B2) 4664-4674'	.038"	4/40	4664-4674'	Left Un-fraced
(D2) 4428-41', 4458-62'	.038"	4/68	4428-4462'	Frac w/ 79,907# 20/40 sand in 619 bbls fluid.
(GB6) 3928-3948'	.038"	4/80	3928-3948'	Left Un-fraced

33.* PRODUCTION
 DATE FIRST PRODUCTION 4/7/2004 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) _____ WELL STATUS (Producing or shut-in) Producing
 DATE OF TEST 10 day ave HOURS TESTED _____ CHOKER SIZE _____ PROD'N. FOR TEST PERIOD -----> OIL--BBL. 119 GAS--MCF. 74 WATER--BBL. 20 GAS-OIL RATIO 622
 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
 35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED Brian Harris TITLE Engineering Technician DATE 5/11/2004

RECEIVED
MAY 13 2004
DIV. OF OIL, GAS & MINING

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.	38. GEOLOGIC MARKERS				
				MEAS. DEPTH	TOP			TRUE VERT. DEPTH
			<p style="text-align: center;">Well Name Lone Tree 10-16-9-17</p>	3393'				
				3587'				
				3694'				
				3966'				
				4195'				
				4229'				
				4351'				
				4583'				
				4695'				
				5185'				
				5605'				
				5665'				



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 1st 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	

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:

9/1/2004

FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

CA No.

Unit:

LONE TREE (GREEN RIVER)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FED NGC 21-15	15	090S	170E	4301330614	12417	Federal	WI	A
NGC 24-15H FED	15	090S	170E	4301330681	12417	Federal	OW	P
FEDERAL 14-15H	15	090S	170E	4301331695	12417	Federal	WI	A
FEDERAL 13-15H	15	090S	170E	4301331698	12417	Federal	OW	P
S PLEASANT VALLEY 5-15-9-17	15	090S	170E	4301331886	12417	Federal	WI	A
S PLEASANT VALLEY 11-15-9-17	15	090S	170E	4301331991	12417	Federal	WI	A
S PLEASANT VALLEY 15-15-9-17	15	090S	170E	4301331992	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-15-9-17	15	090S	170E	4301332018	12417	Federal	OW	P
S PLEASANT VALLEY FED 6-15-9-17	15	090S	170E	4301332019	12417	Federal	OW	P
S PLEASANT VALLEY FED 7-15-9-17	15	090S	170E	4301332020	12417	Federal	WI	A
S PLEASANT VALLEY FED 10-15-9-17	15	090S	170E	4301332022	12417	Federal	OW	P
STATE 16-2	16	090S	170E	4301330552	12417	State	OW	TA
K JORGENSON ST 16-4	16	090S	170E	4301330572	12417	State	WI	A
LONE TREE 10-16-9-17	16	090S	170E	4301332087	12417	State	OW	P
LONE TREE 15-16-9-17	16	090S	170E	4301332089	12417	State	OW	P
LONE TREE 16-16-9-17	16	090S	170E	4301332150	12417	State	OW	P
S PLEASANT VALLEY FED 2-20	20	090S	170E	4301331737	12417	Federal	OW	P
S PLEASANT VALLEY FED 1-21	21	090S	170E	4301331563	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-22	22	090S	170E	4301331522	12417	Federal	OW	P
S PLEASANT VALLEY FED 2-22-9-17	22	090S	170E	4301332023	12417	Federal	OW	P
S PLEASANT VALLEY FED 3-22-9-17	22	090S	170E	4301332024	12417	Federal	WI	A

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: LONE TREE 10-16-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013320870000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1830 FSL 1863 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/1/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input checked="" type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

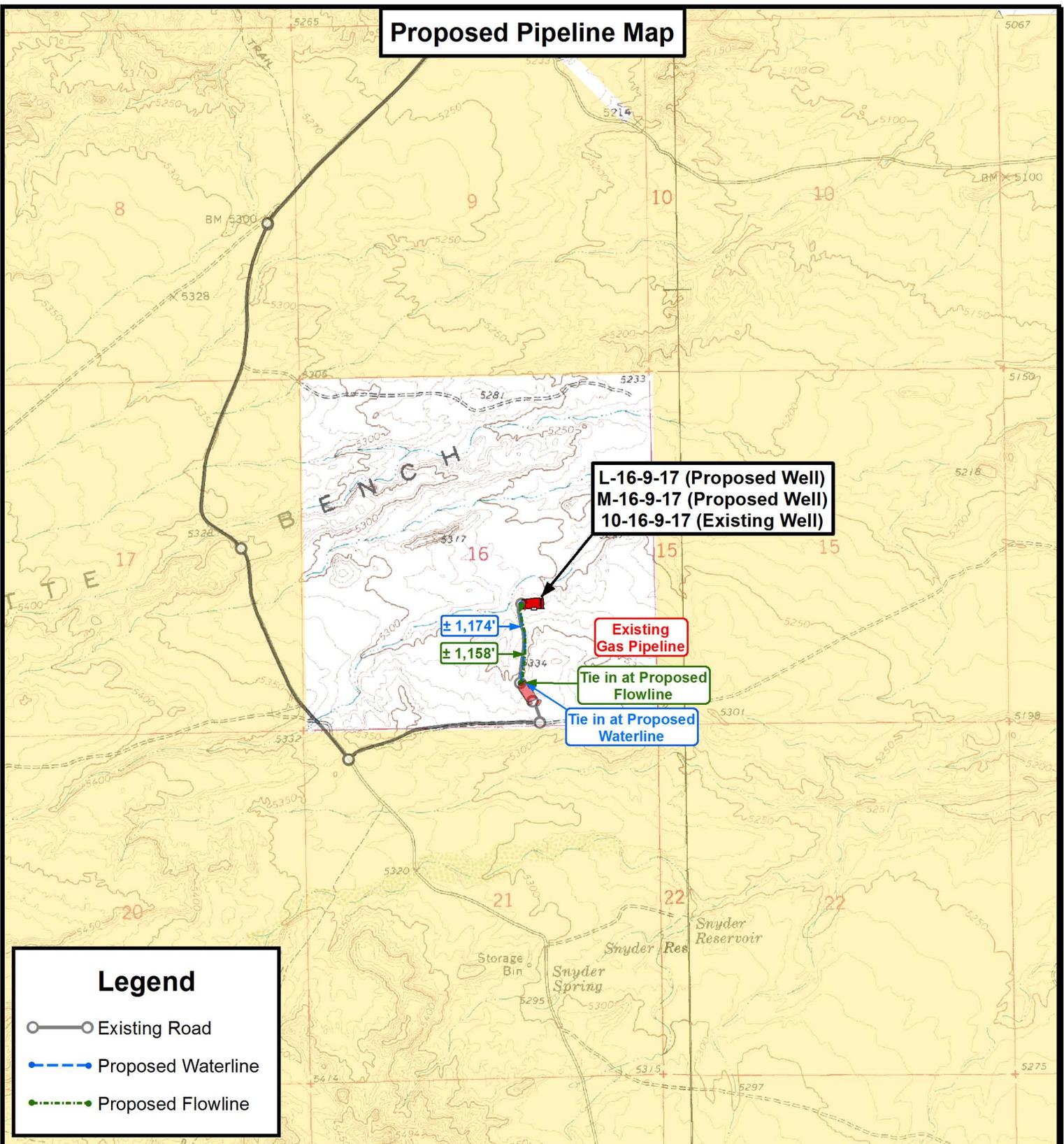
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production proposes to install 1174' of 3" buried waterline to the 10-16-9-17 for the purpose of water injection. Disturbance would follow existing roadways and be limited to 15 feet in width, depending on terrain.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
July 10, 2012**

NAME (PLEASE PRINT) Tim Eaton	PHONE NUMBER 465 646-4858	TITLE Regulatory Tech
SIGNATURE N/A	DATE 6/15/2012	

Proposed Pipeline Map



L-16-9-17 (Proposed Well)
 M-16-9-17 (Proposed Well)
 10-16-9-17 (Existing Well)

Existing Gas Pipeline
 Tie in at Proposed Flowline
 Tie in at Proposed Waterline

± 1,174'
 ± 1,158'

Legend

- Existing Road
- Proposed Waterline
- Proposed Flowline

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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

P: (435) 781-2501
 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY
 L-16-9-17 (Proposed Well)
 M-16-9-17 (Proposed Well)
 10-16-9-17 (Existing Well)
 SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	05-24-2011	VERSION:	
DATE:	04-05-2011			V2	
SCALE:	1" = 2,000'				

TOPOGRAPHIC MAP

SHEET
C

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
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: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LONE TREE 10-16-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013320870000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1830 FSL 1863 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 16 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

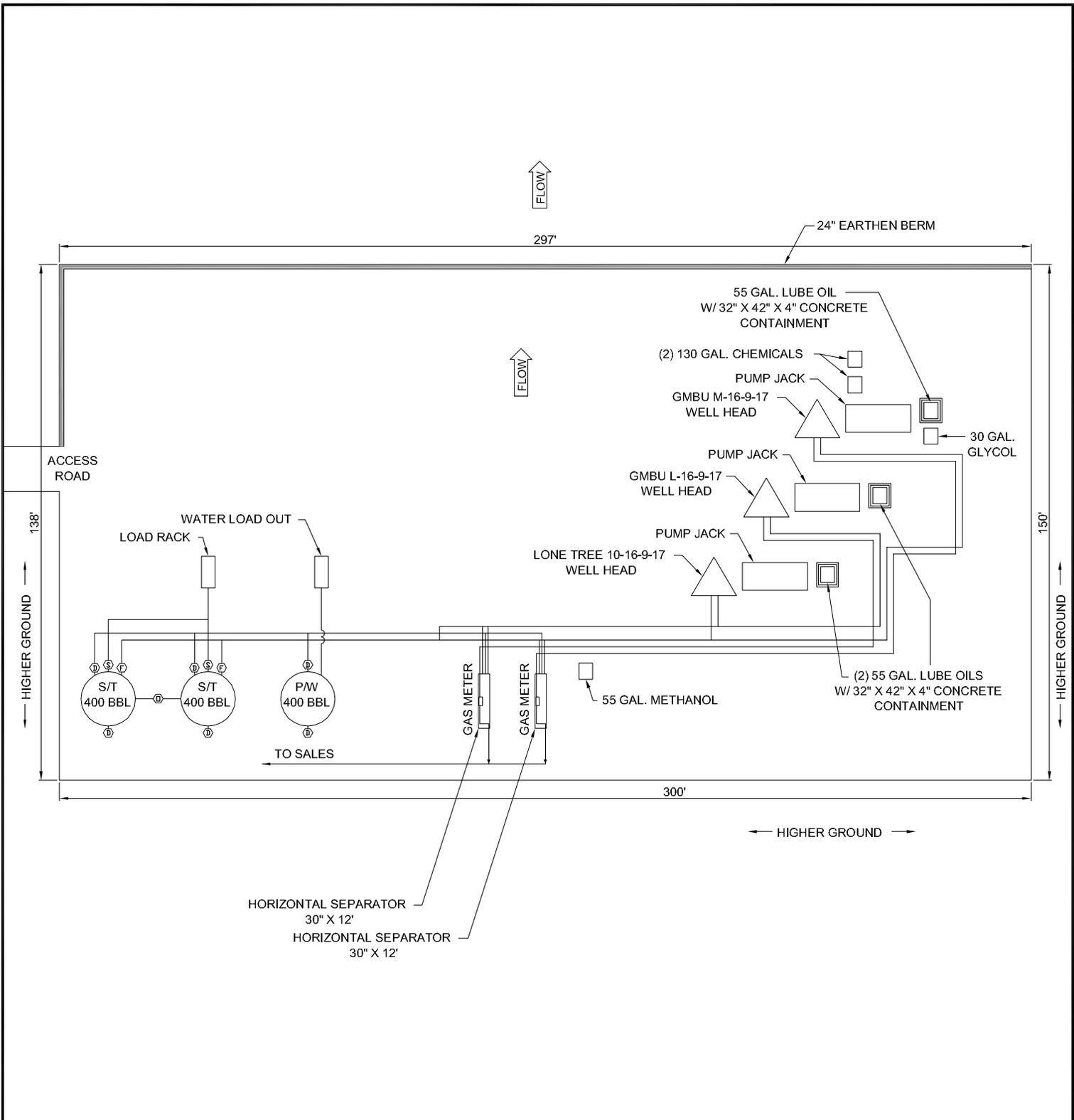
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/1/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="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

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 27, 2012

NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A	DATE 8/13/2012	



LONE TREE 10-16-9-17 (LOCATION) - API #: 4301332087
 GMBU L-16-9-17 (DIRECTIONAL) - API #: 4301350791
 GMBU M-16-9-17 (DIRECTIONAL) - API #: 4301350794

UTU87538X

POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION <table border="1"> <tr><th>Valve</th><th>Line Purpose</th><th>Position</th><th>Seal Installed</th></tr> <tr><td>D</td><td>Drain</td><td>Closed</td><td>Yes</td></tr> <tr><td>F</td><td>Oil, Gas, Water</td><td>Open</td><td>No</td></tr> <tr><td>O</td><td>Overflow</td><td>Open/Closed</td><td>No</td></tr> <tr><td>V</td><td>Vent</td><td>Open</td><td>No</td></tr> <tr><td>R</td><td>Recycle</td><td>Closed</td><td>Yes</td></tr> <tr><td>B</td><td>Blowdown</td><td>Open/Closed</td><td>No</td></tr> <tr><td>S</td><td>Sales</td><td>Closed</td><td>Yes</td></tr> </table>				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 87538 X (ML 3453B) This lease is subject to the Site Security Plan for: Newfield Exploration Company 19 East Pine Street Pinedale, WY 82941				LONE TREE 10-16-9-17, GMBU L-16-9-17 AND GMBU M-16-9-17 Newfield Exploration Company NWSE Sec 16, T9S, R17E Duchesne County, UT																																	
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Valve	Line Purpose	Position	Seal Installed																																																																										
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RECEIVED: Aug. 13, 2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B	
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1830 FSL 1863 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/15/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well. See attached proposed wellbore diagram.</p>			
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 20, 2013</p>			
NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician	
SIGNATURE N/A		DATE 3/11/2013	

Spud Date: 2/5/01
 Put on Production: 4/7/04
 GL: 5274' KB:5286'

Lone Tree 10-16-9-17

Initial Production: 119 BOPD,
 74 MCFD, 20 BWPD

Proposed Injection
 Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (296.15')
 DEPTH LANDED: 306.65' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 145sxs Class "G" cmt, est 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 130 jts. (5645.7')
 DEPTH LANDED: 5644.2' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.
 CEMENT TOP AT: 804'

TUBING

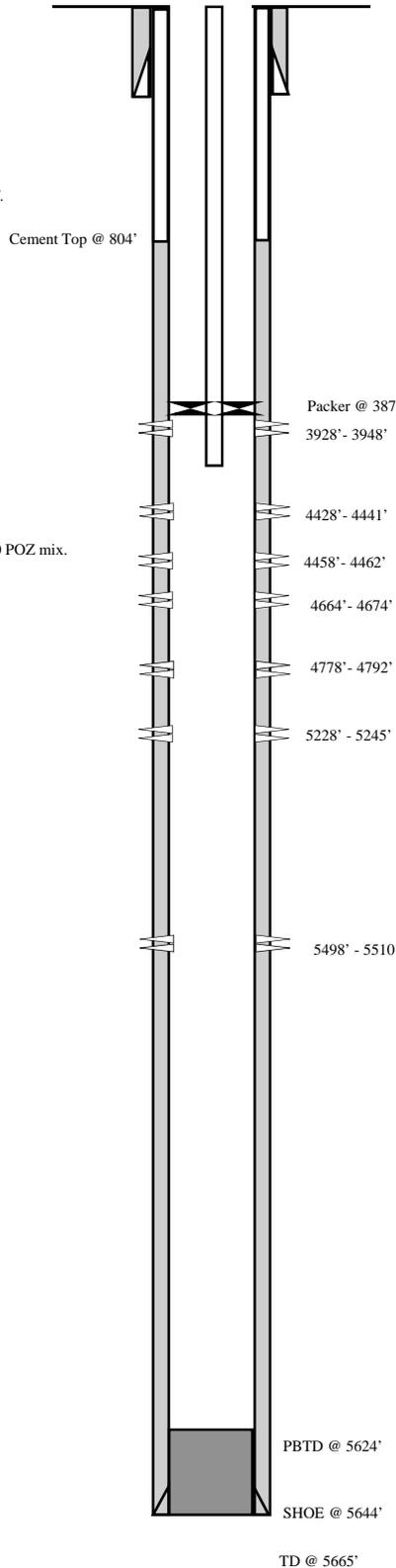
SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 172 jts (5420.47')
 TUBING ANCHOR: 5432.97' KB
 NO. OF JOINTS: 1 jts (31.59')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5467.36' KB
 NO. OF JOINTS: 2 jts (64.62')
 TOTAL STRING LENGTH: EOT @ 5533.53' w/12.5KB'

FRAC JOB

3/30/04	5498'-5510'	Frac CP5 sands as follows: 34,697# 20/40 sand in 356 bbls lightning Frac 17 fluid. Treated @ avg press of 1870 psi w/avg rate of 24.7 BPM. ISIP 1970 psi. Calc flush: 5496 gal. Actual flush: 5494 gal.
3/30/04	5228'-5245'	Frac CPI sands as follows: 34,678# 20/40 sand in 350 bbls lightning Frac 17 fluid. Treated @ avg press of 2195 psi w/avg rate of 24.7 BPM. ISIP 2180 psi. Calc flush: 5226 gal. Actual flush: 5225 gal.
3/30/04	4778'-4792'	Frac A1 sands as follows: 34,709# 20/40 sand in 335 bbls lightning Frac 17 fluid. Treated @ avg press of 2110 psi w/avg rate of 24.7 BPM. ISIP 2070 psi. Calc flush: 4776 gal. Actual flush: 4775 gal.
3/31/04	4428'-4462'	Frac D2 sands as follows: 79,907# 20/40 sand in 619bbls lightning Frac 17 fluid. Treated @ avg press of 2115 psi w/avg rate of 24.6 BPM. ISIP 2265 psi. Calc flush: 4426 gal. Actual flush: 4410 gal.
4/05/04	4664'-4674'	Frac B2 sands as follows: 47,986# 20/40 sand in 388 bbls lightning Frac 17 fluid. Treated @ avg press of 3800 psi w/avg rate of 16.7 BPM. ISIP 2020 psi. Calc flush: 1226 gal. Actual flush: 1134 gal.
4/05/04	3928'-3948'	Frac GB6 sands as follows: 87,571# 20/40 sand in 609 bbls lightning Frac 17 fluid. Treated @ avg press of 1960 psi w/avg rate of 24.5 BPM. ISIP 2190 psi. Calc flush: 3927 gal. Actual flush: 3843 gal.
11-26-07		Pump Change. Updated rod & tubing details.

PERFORATION RECORD

3/29/04	5498'-5510'	4 JSPF	48 holes
3/30/04	5228'-5245'	4 JSPF	68 holes
3/30/04	4778'-4792'	4 JSPF	56 holes
3/30/04	4664'-4674'	4 JSPF	40 holes
3/30/04	4458'-4462'	4 JSPF	16 holes
3/30/04	4428'-4441'	4 JSPF	52 holes
3/31/04	3928'-3948'	4 JSPF	80 holes





Lone Tree 10-16-9-17
 1830' FSL & 1863' FEL
 NWSE Section 16-T9S-R17E
 Duchesne Co, Utah
 API #43-013-32087; Lease #ML-3453B

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: LONE TREE 10-16-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013320870000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1830 FSL 1863 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/3/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 05/01/2013. Initial MIT on the above listed well. On 05/03/2013 the casing was pressured up to 1610 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-09938

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 14, 2013

NAME (PLEASE PRINT)

Lucy Chavez-Naupoto

PHONE NUMBER

435 646-4874

TITLE

Water Services Technician

SIGNATURE

N/A

DATE

5/6/2013

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 5 13 2013
 Test conducted by: Shannon Lazenby
 Others present: _____

Well Name: <u>Lone Tree 10/16/17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>10/16/17</u> Sec: <u>16</u> T <u>9S</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Brandon Curry</u>		
Last MIT: <u> / / </u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1610 / 0 _____ psig

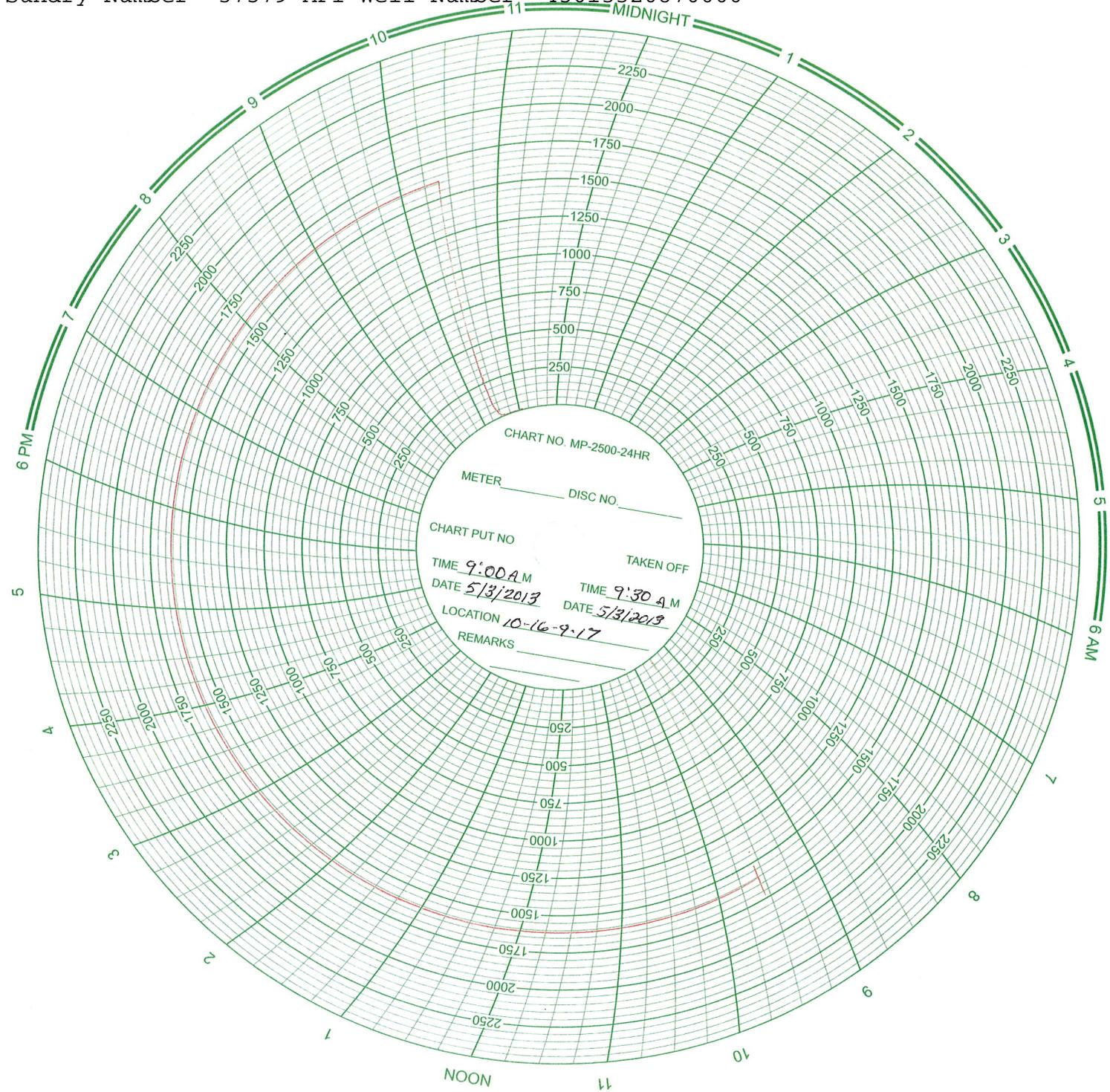
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	0 psig	psig	psig
End of test pressure	0 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1610</u> psig	psig	psig
5 minutes	<u>1610</u> psig	psig	psig
10 minutes	<u>1610</u> psig	psig	psig
15 minutes	<u>1610</u> psig	psig	psig
20 minutes	<u>1610</u> psig	psig	psig
25 minutes	<u>1610</u> psig	psig	psig
30 minutes	<u>1610</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? Yes No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Daily Activity Report

Format For Sundry
LONETREE 10-16-9-17
3/1/2013 To 7/30/2013

4/30/2013 Day: 1

Conversion

WWS #9 on 4/30/2013 - Move on, rig up - Crew travel. Saftey meeting. Work on rig putting in new kill switch on motor. Road rig fromute tribal 4a-18 3-3 to 10 16-9-17, rig up. Pump 60 bbls down csg @ 250. pu on rods, unseat pump. Flush tbg w 35 bbls @ 250. reset pump. Fill tbg w 10 bbls. Test tbg to 3000 psi. good. Ld 50 -3/4 4. pu pol rod. Sdwifn crew travel. - Crew travel. Saftey meeting. Work on rig putting in new kill switch on motor. Road rig fromute tribal 4a-18 3-3 to 10 16-9-17, rig up. Pump 60 bbls down csg @ 250. pu on rods, unseat pump. Flush tbg w 35 bbls @ 250. reset pump. Fill tbg w 10 bbls. Test tbg to 3000 psi. good. Ld 50 -3/4 4. pu pol rod. Sdwifn crew travel. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$15,412

5/1/2013 Day: 2

Conversion

WWS #9 on 5/1/2013 - day down rods, and tubing - Crew travel Safety meeting. Cont ld rods 50 3/4 4 per flush. Tbg w 30 bbls cont ld rods. 102-3/4 slick. 10-3/4 4 per 6-1/2 wt rods. Pump x-over. To tbg eqp, pu on tubing release tac, change ram blocks to 2-7/8 nu bops rd floor tooh. Talling pipe breaking collars 80 jts out flush. Tbg w 30 bbls @ 250 cont tooh 43 jts ld 52 jts Extra onto trailer swif, crew travel. - Crew travel Safety meeting. Cont ld rods 50 3/4 4 per flush. Tbg w 30 bbls cont ld rods. 102-3/4 slick. 10-3/4 4 per 6-1/2 wt rods. Pump x-over. To tbg eqp, pu on tubing release tac, change ram blocks to 2-7/8 nu bops rd floor tooh. Talling pipe breaking collars 80 jts out flush. Tbg w 30 bbls @ 250 cont tooh 43 jts ld 52 jts Extra onto trailer swif, crew travel. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$22,714

5/2/2013 Day: 3

Conversion

WWS #9 on 5/2/2013 - set packer, got good test - Crew travel & safety meeting. Pic bha rih w 5-1/2 pkr assembly 123 jts pump 10 bbls drop sv fill tbg w 18 bbls, test to 3000 psii watch 30 min. lost 250 psi. pump back up to 3000 psi. watch 30 min. lost 120 psi. up to 3000 again watch 30 min. lost 60 psibump back up to 3000. watch 30 min. good. Rih w sandline, retrieve sv pooh. Rd floor nd bops. Pump 65 bbls pkr fluid. Set @ 3895 to ce @ 15,000 tenchain nu injection treefill csg w 5 bblstest to 1500 psi good. Eot @ 3905 rig down, move off. Road rig over to te 1a-3-9-17. - Crew travel & safety meeting. Pic bha rih w 5-1/2 pkr assembly 123 jts pump 10 bbls drop sv fill tbg w 18 bbls, test to 3000 psii watch 30 min. lost 250 psi. pump back up to 3000 psi. watch 30 min. lost 120 psi. up to 3000 again watch 30 min. lost 60 psibump back up to 3000. watch 30 min. good. Rih w sandline, retrieve sv pooh. Rd floor nd bops. Pump 65 bbls pkr fluid. Set @ 3895 to ce @ 15,000 tenchain nu injection treefill csg w 5 bblstest to 1500 psi good. Eot @ 3905 rig down, move off. Road rig over to te 1a-3-9-17.

Daily Cost: \$0

Cumulative Cost: \$25,870

5/6/2013 Day: 4

Conversion

Rigless on 5/6/2013 - Conduct initial MIT - Initial MIT on the above listed well. On 05/03/2013

the casing was pressured up to 1610 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-09938 - Initial MIT on the above listed well. On 05/03/2013 the casing was pressured up to 1610 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-09938 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$51,204

Pertinent Files: [Go to File List](#)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: LONE TREE 10-16-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013320870000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1830 FSL 1863 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/17/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 2:40 PM on
05/17/2013. EPA # UT22197-09938

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 21, 2013**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/20/2013	

Spud Date: 2-5-01
 Put on Production: 4-7-04
 GL: 5274' KB: 5286'

Lone Tree 10-16-9-17

Initial Production: 119 BOPD,
 74 MCFD, 20 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

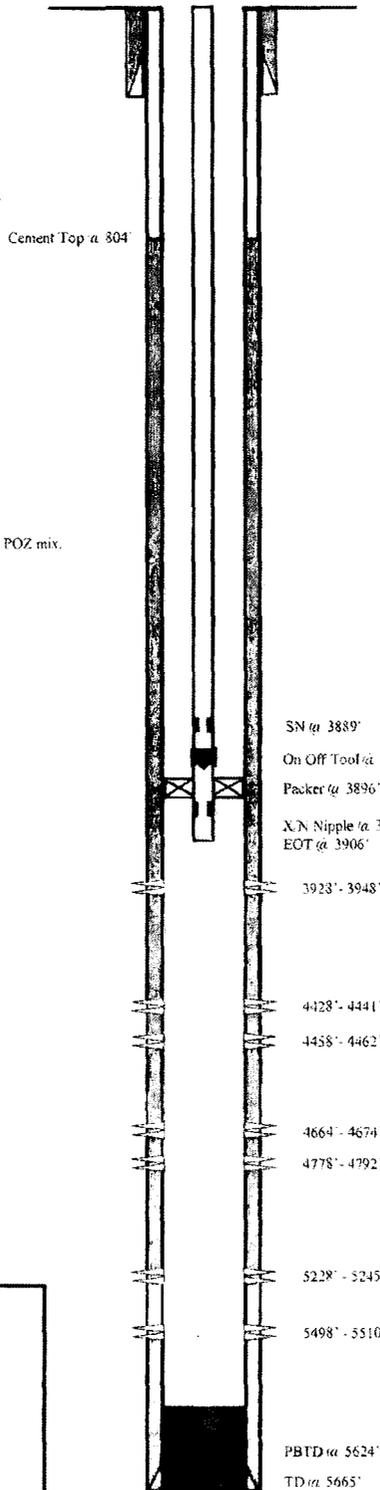
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (296.15')
 DEPTH LANDED: 306.65' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 145sxs Class "G" cement, est 2 bbls cement to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 130 jts. (5645.7')
 DEPTH LANDED: 5644.2' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.
 CEMENT TOP AT: 804'

TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#
 NO. OF JOINTS: 123 jts (3877.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3889.4' KB
 ON/OFF TOOL AT: 3990.5'
 ARROW #1 PACKER CE AT: 3996.4'
 XO 2-3/8 x 2-7/8 J-55 AT: 3899.5'
 TBG PUP 2-3/8 J-55 AT: 3900.0'
 X N NIPPLE AT: 3904.2'
 TOTAL STRING LENGTH: EOT @ 3905.69'



FRAC JOB

3-30-04 5498'-5510' Frac CP5 sands as follows:
 34,697# 20-40 sand in 356 bbls lightning Frac
 17 fluid. Treated @ avg press of 1870 psi
 w avg rate of 24.7 BPM. ISIP 1970 psi. Calc
 flush: 5496 gal. Actual flush: 5494 gal

3-30-04 5228'-5245' Frac CP1 sands as follows:
 34,678# 20-40 sand in 350 bbls lightning
 Frac 17 fluid. Treated @ avg press of 2195 psi
 w avg rate of 24.7 BPM. ISIP 2180 psi. Calc
 flush: 5226 gal. Actual flush: 5225 gal.

3-30-04 4778'-4792' Frac A1 sands as follows:
 34,709# 20-40 sand in 335 bbls lightning Frac
 17 fluid. Treated @ avg press of 2110 psi
 w avg rate of 24.7 BPM. ISIP 2070 psi. Calc
 flush: 4776 gal. Actual flush: 4775 gal.

3-31-04 4428'-4462' Frac D2 sands as follows:
 79,907# 20-40 sand in 619 bbls lightning Frac
 17 fluid. Treated @ avg press of 2115 psi
 w avg rate of 24.6 BPM. ISIP 2265 psi. Calc
 flush: 4426 gal. Actual flush: 4410 gal.

4-05-04 4664'-4674' Frac B2 sands as follows:
 47,986# 20-40 sand in 388 bbls lightning Frac
 17 fluid. Treated @ avg press of 3800 psi
 w avg rate of 16.7 BPM. ISIP 2020 psi. Calc
 flush: 1226 gal. Actual flush: 1134 gal.

4-05-04 3925'-3948' Frac GB6 sands as follows:
 87,571# 20-40 sand in 609 bbls lightning Frac
 17 fluid. Treated @ avg press of 1960 psi
 w avg rate of 24.5 BPM. ISIP 2190 psi. Calc
 flush: 3927 gal. Actual flush: 3843 gal.

11-26-07 Pump Change. Updated rod & tubing details.
 05-01-13 Convert to Injection Well
 05-03-13 Conversion MIT Finalized - update tbg
 detail

PERFORATION RECORD

Date	Depth Range	Tool	Holes
3-29-04	5498'-5510'	4 JSPF	48 holes
3-30-04	5228'-5245'	4 JSPF	68 holes
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NEWFIELD

Lone Tree 10-16-9-17

1830' FSL & 1863' FEL

NWSE Section 16-T9S-R17E

Duchesne Co, Utah

API #43-013-32087; Lease #ML-3453B