



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 15-16-9-17
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

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

8. FARM OR LEASE NAME
Lone Tree

9. WELL NO.
#15-16-9-17

10. FIELD AND POOL OR WILDCAT
Monument Butte

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

12. County
Duchesne

13. STATE
UT

2. NAME OF OPERATOR
Inland Production Company

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

4. LOCATION OF WELL (FOOTAGE)
At Surface **SWSE 1929.3' FEL & 574.7' FSL** **4430 830N**
At proposed Producing Zone **584609E**

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
Approx 1929' FLL & 711' 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 1269'

19. PROPOSED DEPTH
6500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5316 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: 3/8/00

(This space for State use only)

API Number Assigned: 43013-32089 APPROVAL: _____

Approved by the Utah Division of Oil, Gas and Mining

Date: 5/15/00

By: *[Signature]*

*See Instructions On Reverse Side

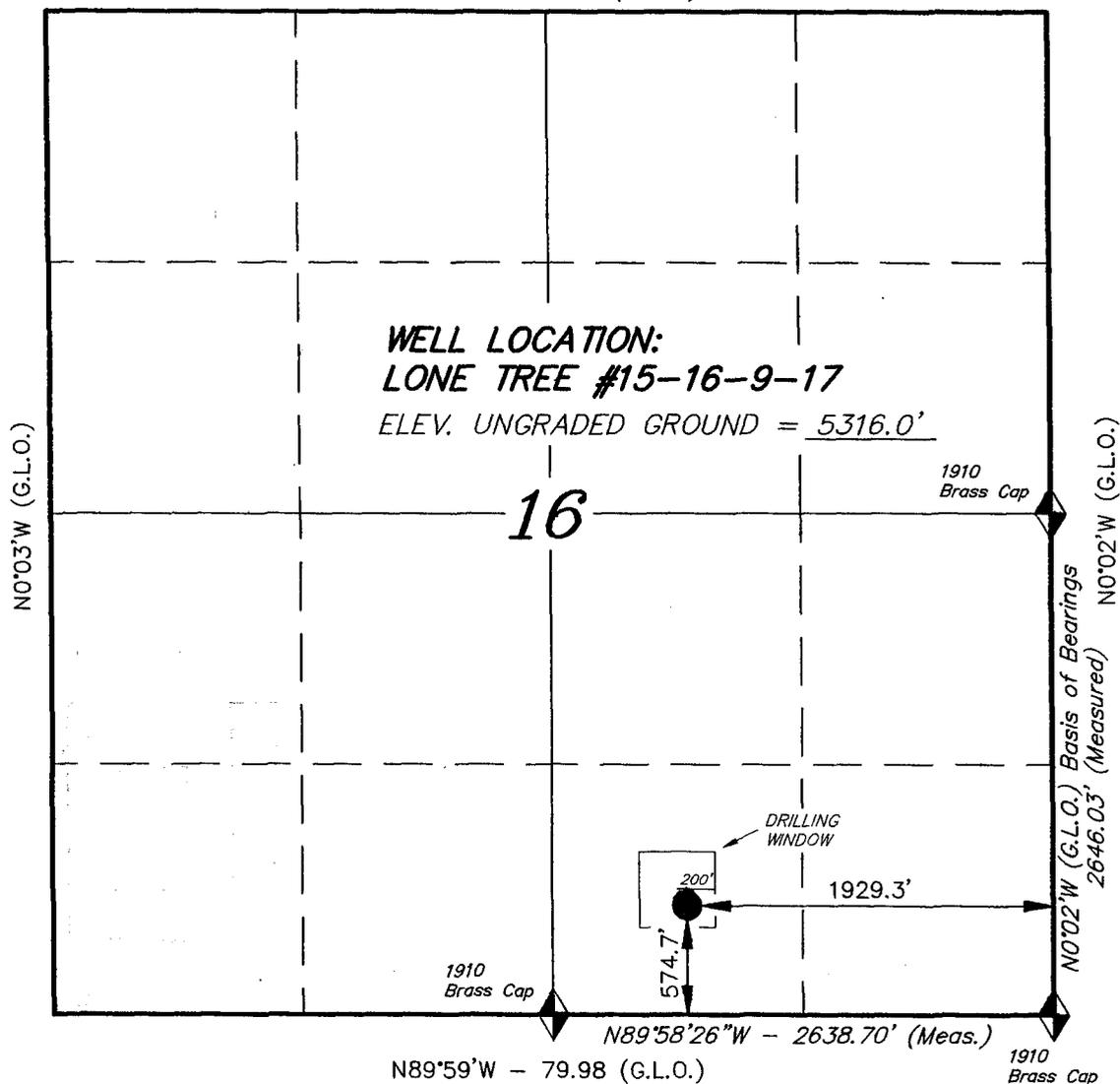
SEARCHED
SERIALIZED
INDEXED
FILED
MAR 15 2000
Duchesne, Utah

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

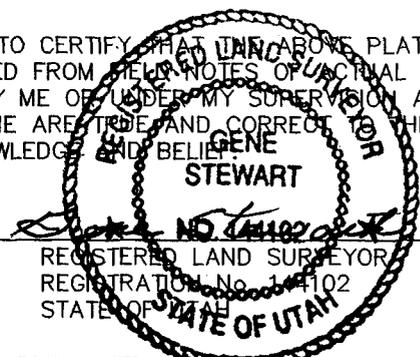
INLAND PRODUCTION COMPANY

N89°58'W - 79.94 (G.L.O.)

WELL LOCATION, LONE TREE #15-16-9-17,
 LOCATED AS SHOWN IN THE SW 1/4 SE 1/4
 OF SECTION 16, T9S, R17E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.



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



TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
 (435) 781-2501

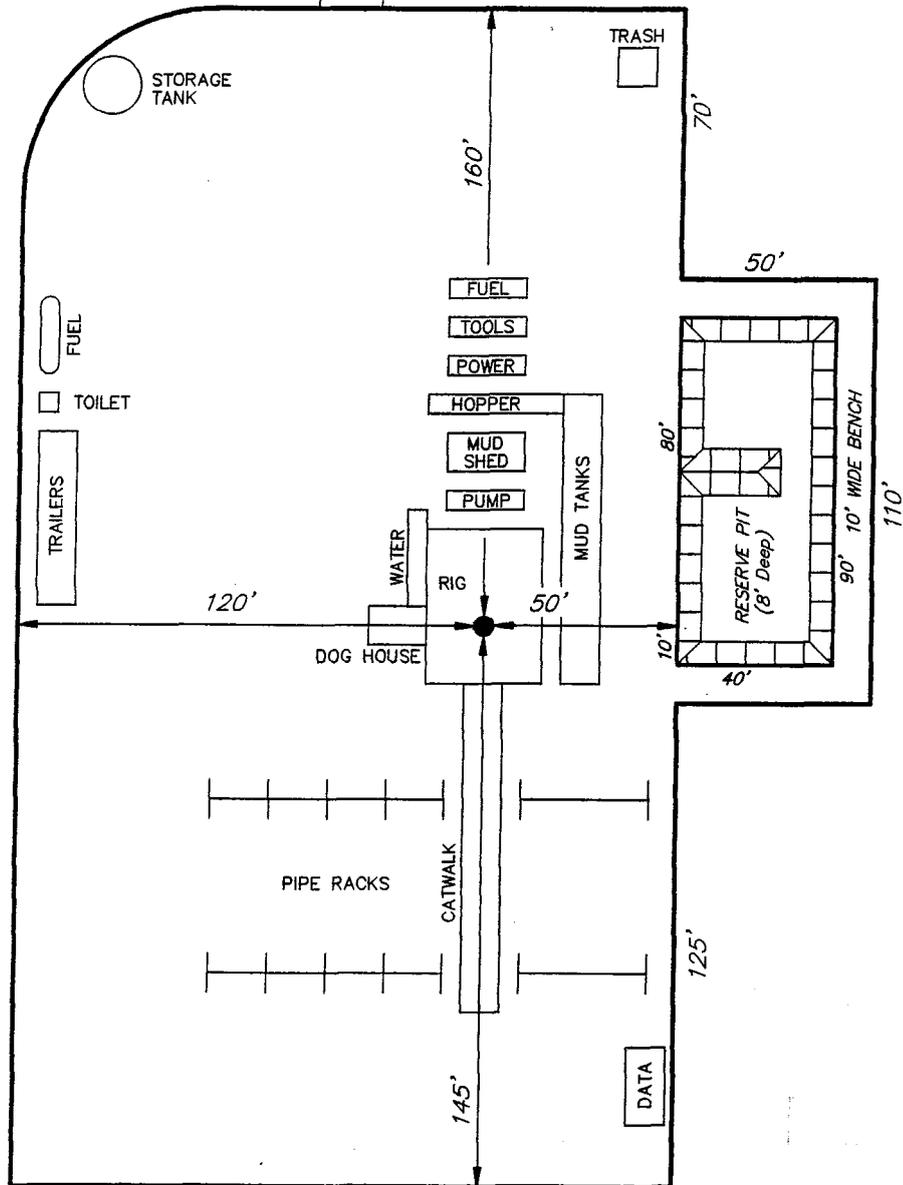
SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 12-27-99	WEATHER: FAIR
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

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

TYPICAL RIG LAYOUT

LONE TREE #15-16-9-17



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

INLAND PRODUCTION COMPANY
LONE TREE 15-16-9-17
SWSE 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 - 1225'
Green River	1225'
Wasatch	6500'

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

Green River Formation 1225' - 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 @ 1225' +/- 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 15-16-9-17
SWSE 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 15-16-9-17 located in the SWSE 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 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 approximately 6/10 if 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 15-16-9-17, 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 15-16-9-17 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

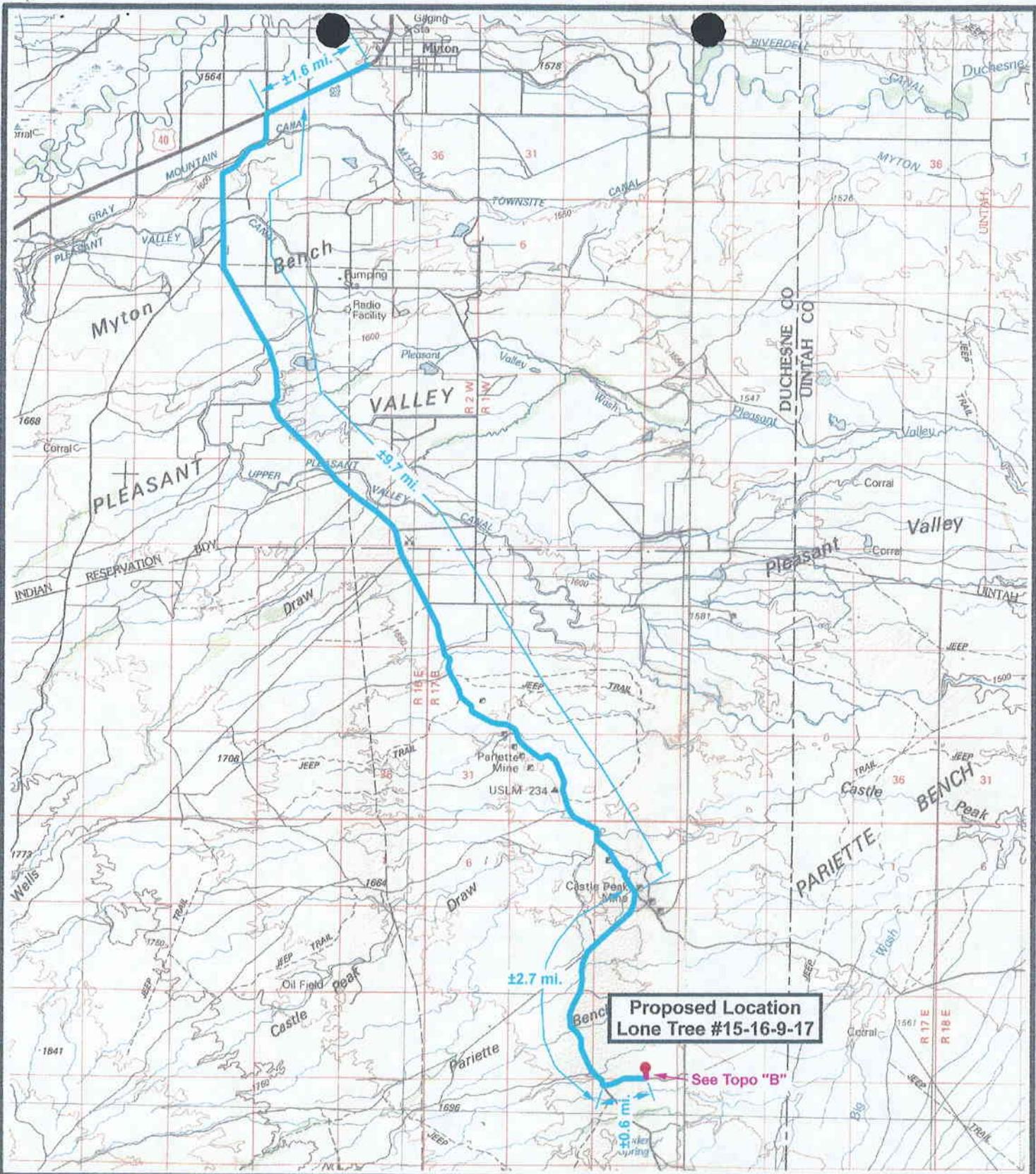
Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #15-16-9-17, SWSE 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
Jon Holst
Counsel



LONE TREE #15-16-9-17
SEC. 16, T9S, R17E, S.L.B.&M.
TOPOGRAPHIC MAP "A"

RECEIVED

MAR 22 2000

DIVISION OF
 OIL, GAS AND MINING



Drawn By: SS

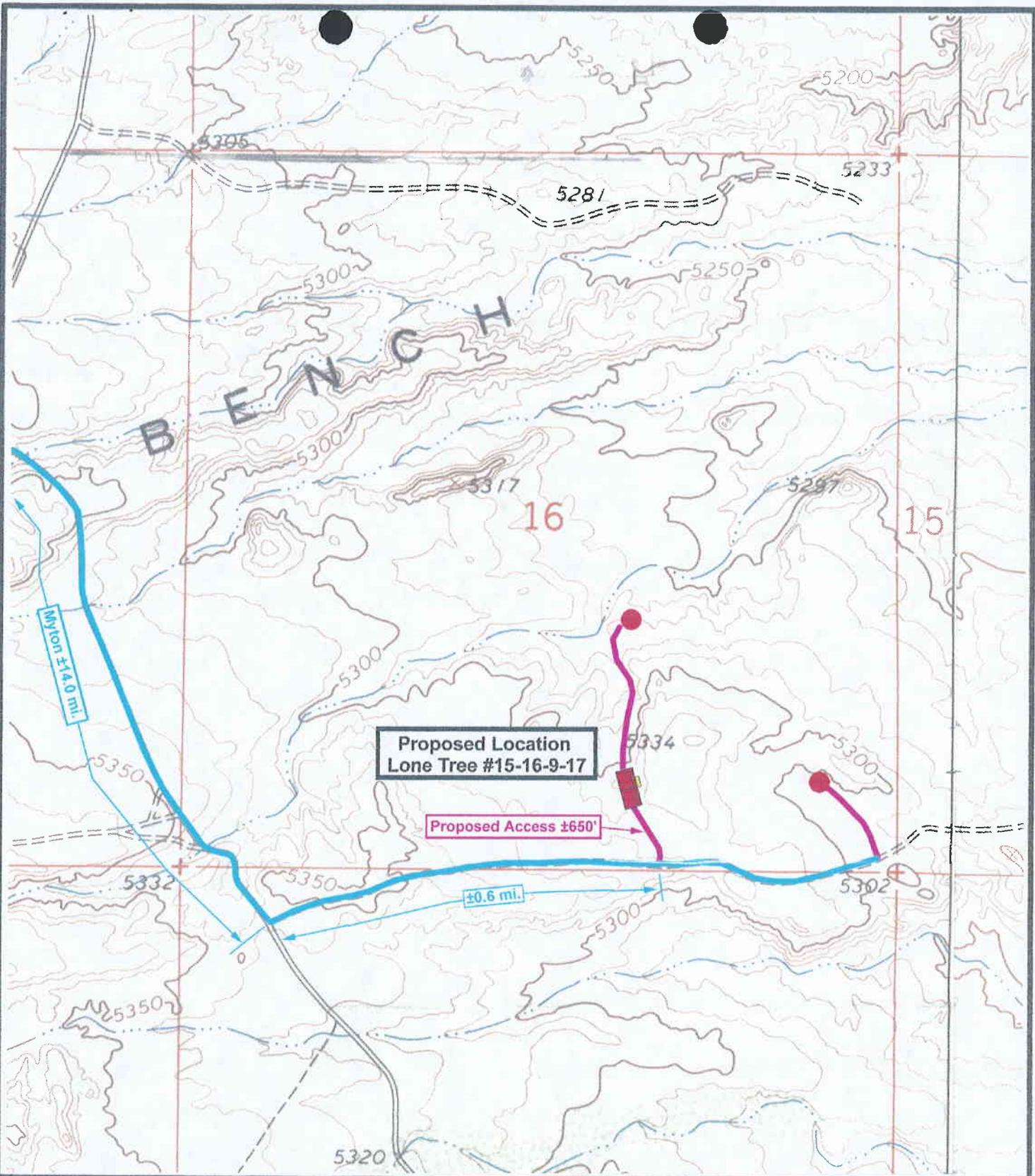
Revision:

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



Proposed Location
Lone Tree #15-16-9-17

Proposed Access ±650'

±0.6 mi.

Inland
RESOURCES INC.
LONE TREE #15-16-9-17
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	

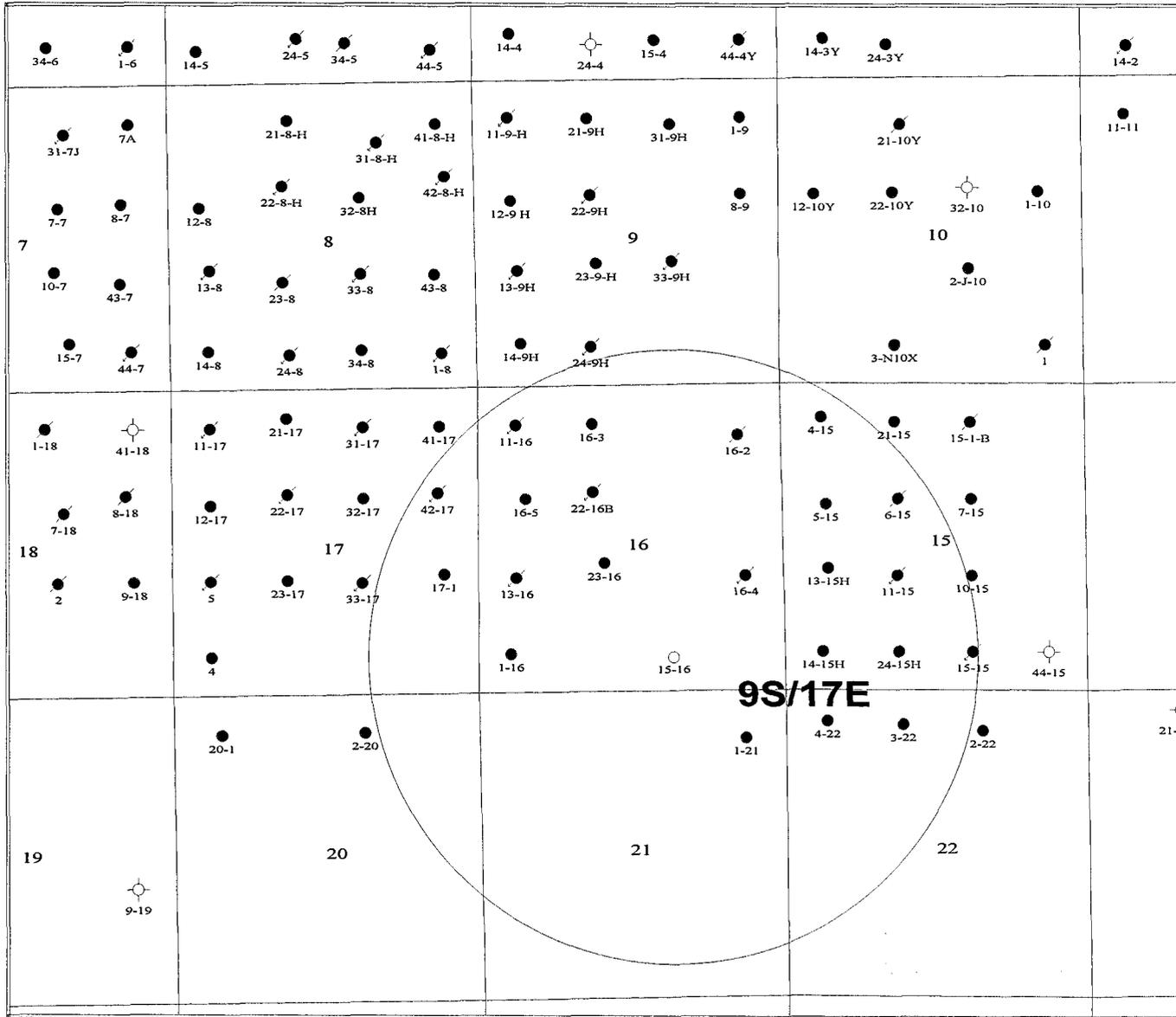


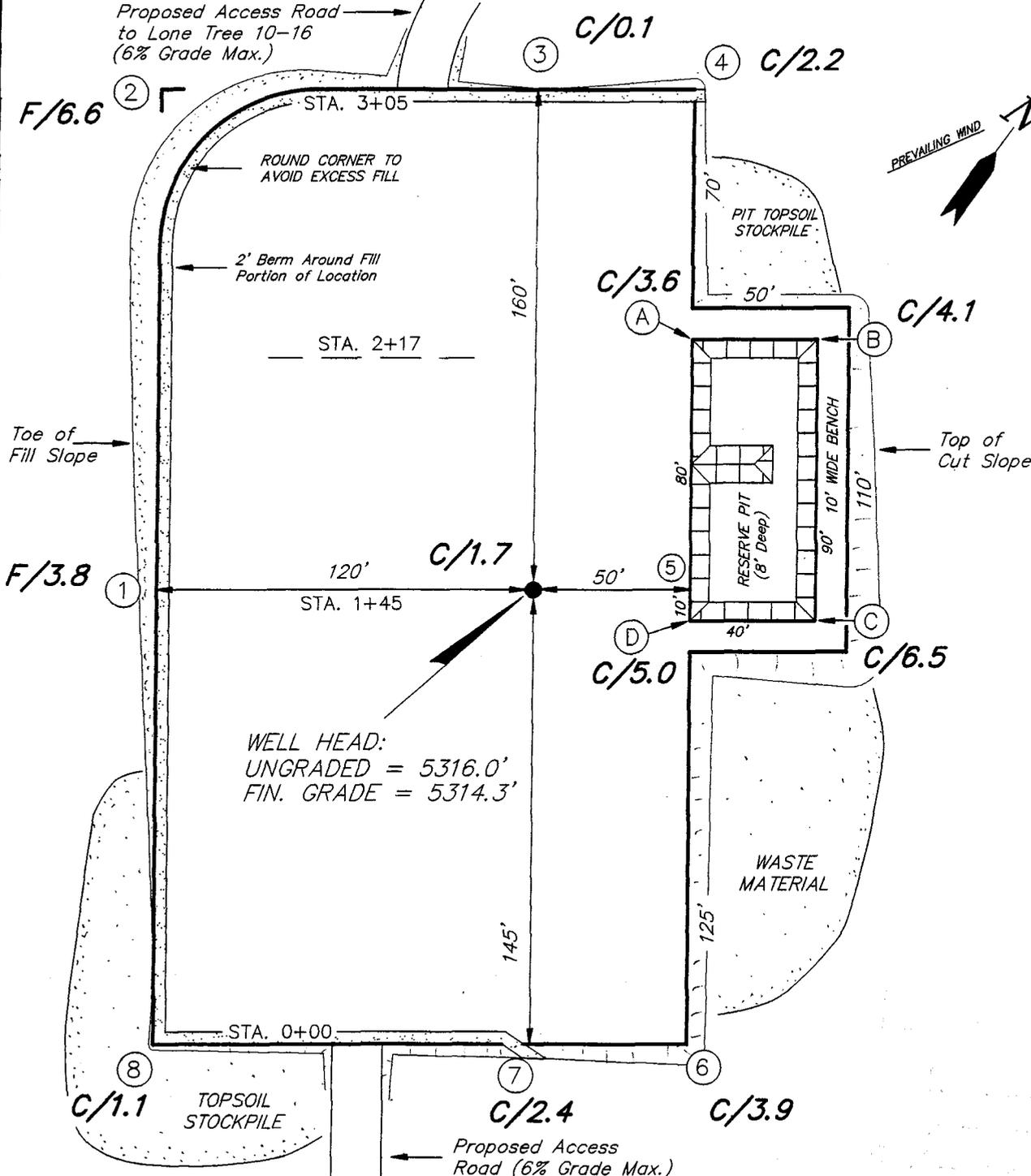
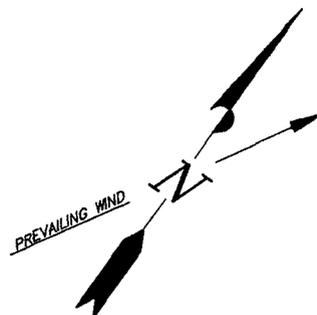
EXHIBIT D

INLAND PRODUCTION COMPANY		
One Mile Radius Lone Tree #15-16		
Josh Aschen		1/26/2000
Scale 1:3456783		

INLAND PRODUCTION COMPANY

LONE TREE #15-16-9-17
SEC. 16, T9S, R17E, S.L.B.&M.

Proposed Access Road
 to Lone Tree 10-16
 (6% Grade Max.)



REFERENCE POINTS

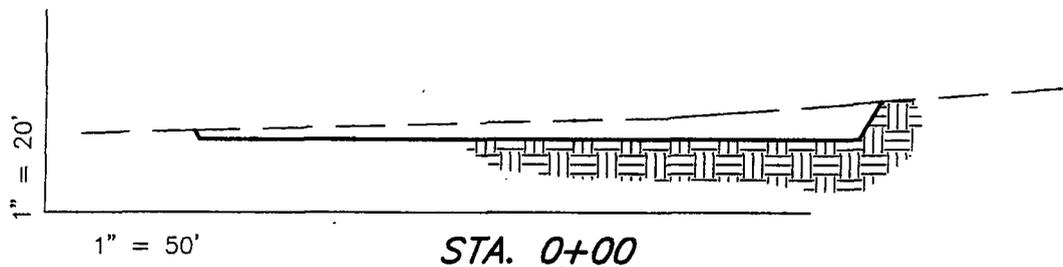
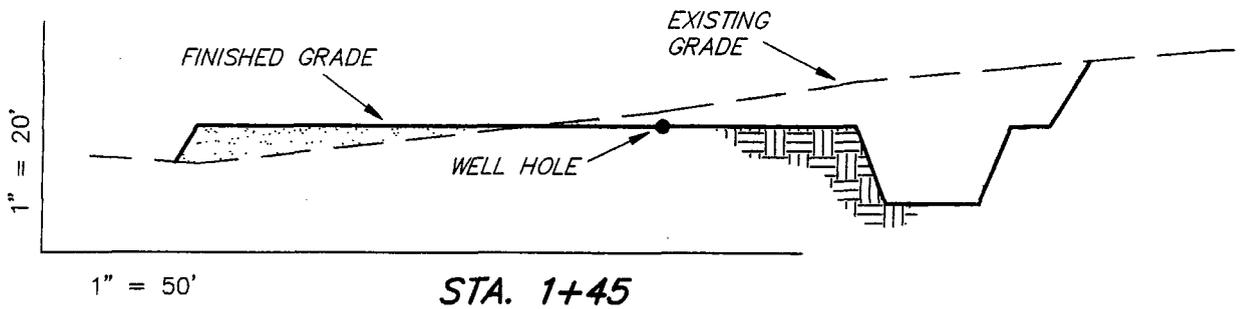
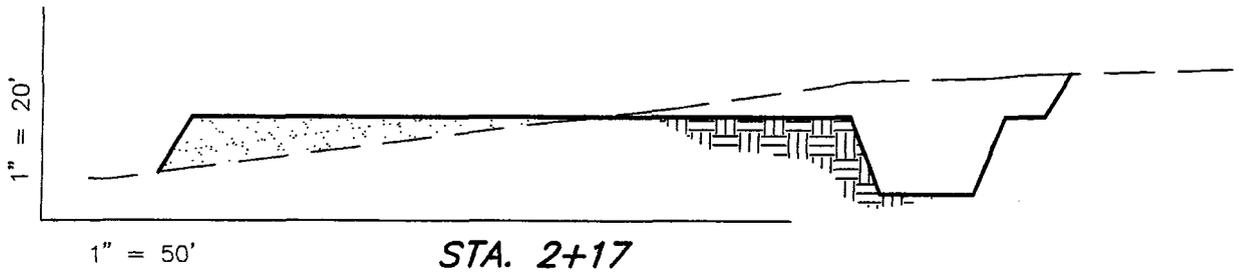
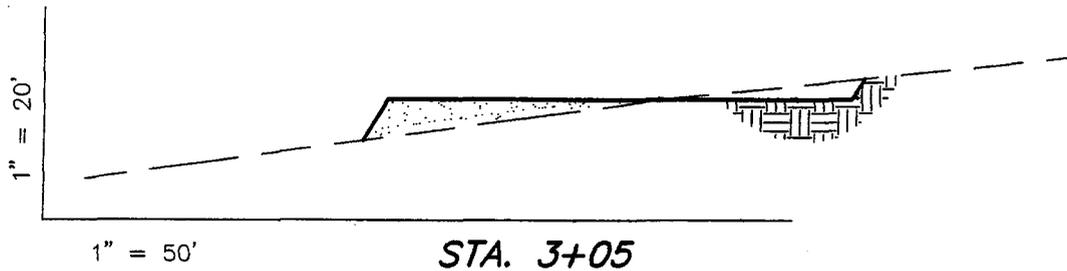
- 170' SOUTHWEST = 5312.0'
- 220' SOUTHWEST = 5313.4'
- 195' NORTHWEST = 5312.6'
- 245' NORTHWEST = 5305.1'

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 #15-16-9-17



APPROXIMATE YARDAGES

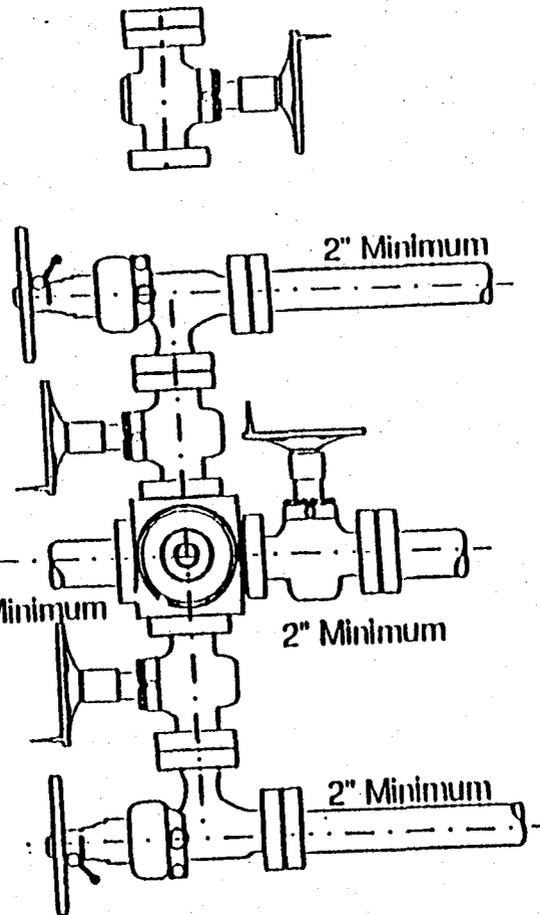
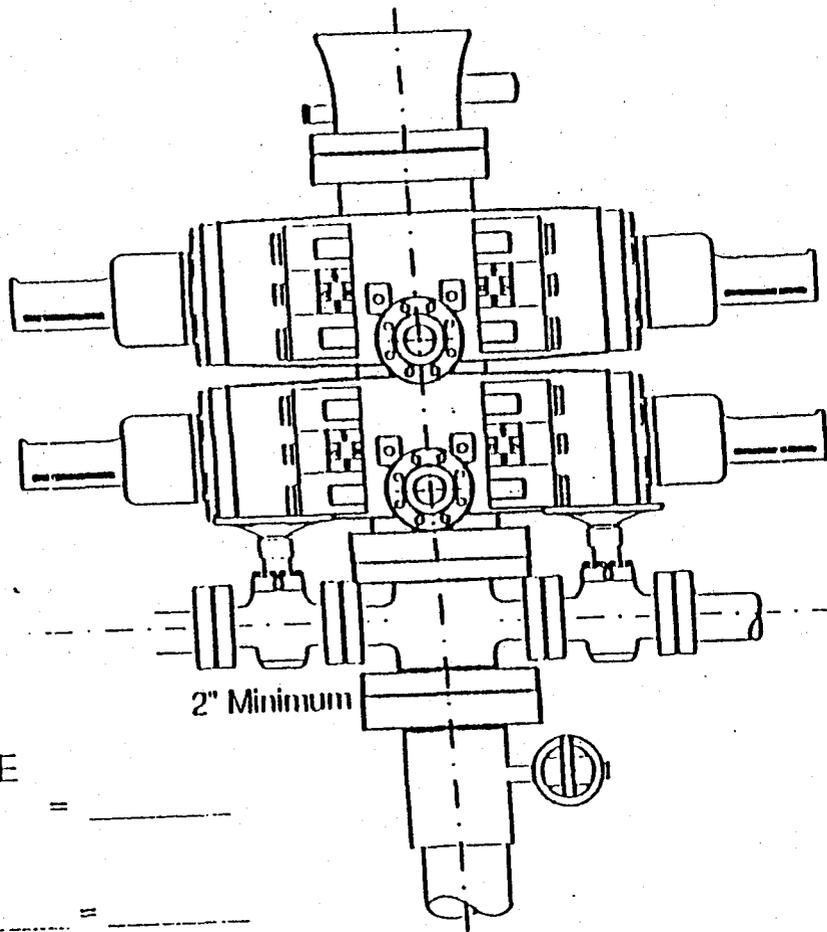
- CUT = 2,530 Cu. Yds.
- FILL = 2,530 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,060 Cu. Yds.

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

2-M SYSTEM

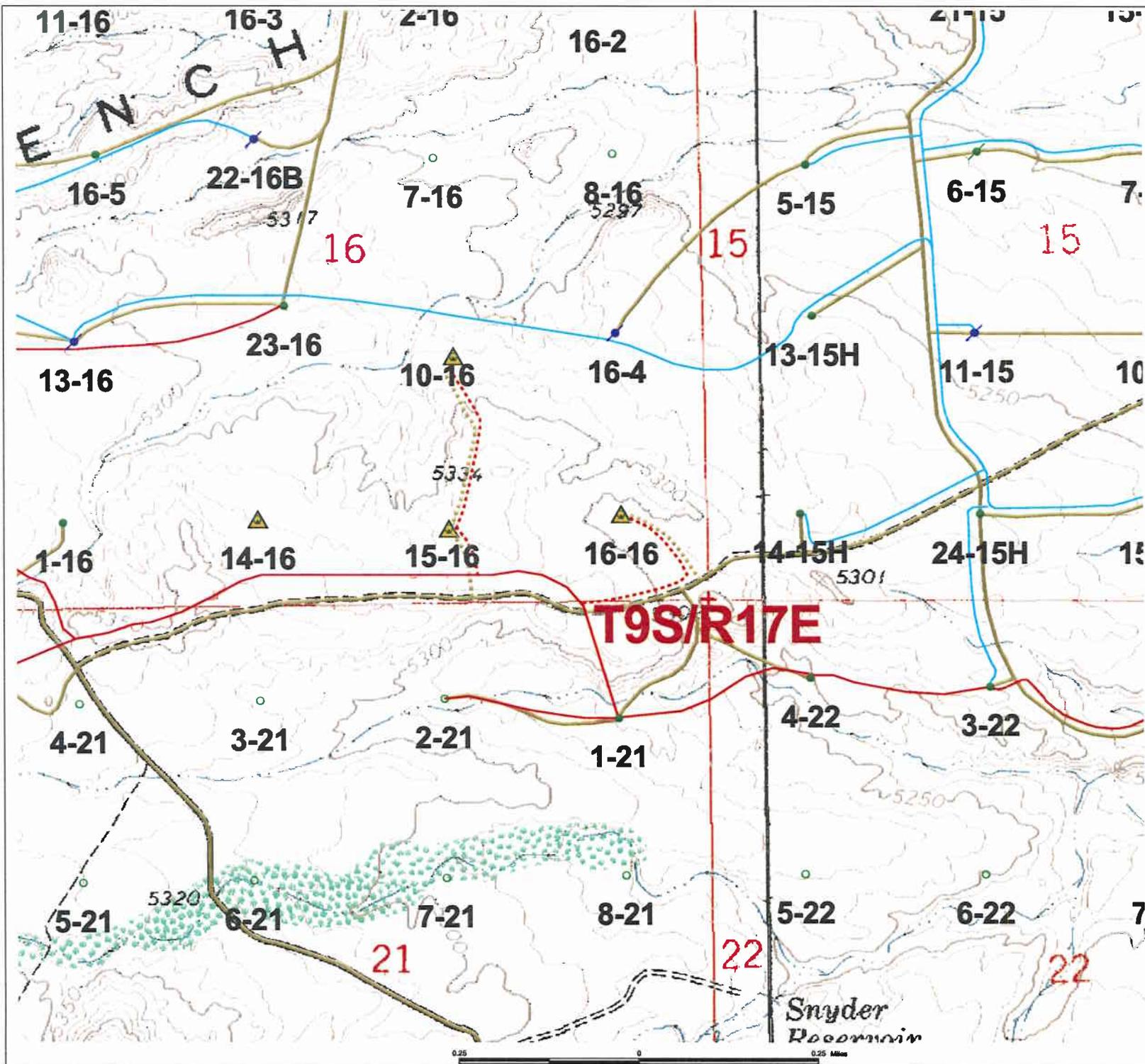
TYPE B.O.P.

⋮
⋮
⋮



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)



- Well Categories
- NU
 - WTR
 - BWD
 - OIL
 - GAS
 - DRY
 - SHUTIN
 - SUSPENDED
 - ABND
 - LOC
 - 2000 Drilling Program
 - 1990 Drilling Program
- Compressor Stations
- Gas 10 inch
 - Gas 6 inch and larger
 - Proposed 6 inch Gas
 - Gas 4 inch and smaller
 - Proposed Gas
 - Gas Isolated
 - Petrolyth Gasline
 - Gasstar Gasline
 - Compressors - 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 (Designated)
- Paved
 - Dirt
 - Proposed
 - Two Track
 - Private

LONE TREE 15-16

DIVISION OF OIL, GAS AND MINING

4-17-2014 10:54 AM
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LINTA BASIN
 Division of Oil, Gas and Mining, Ohio

15

**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

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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.

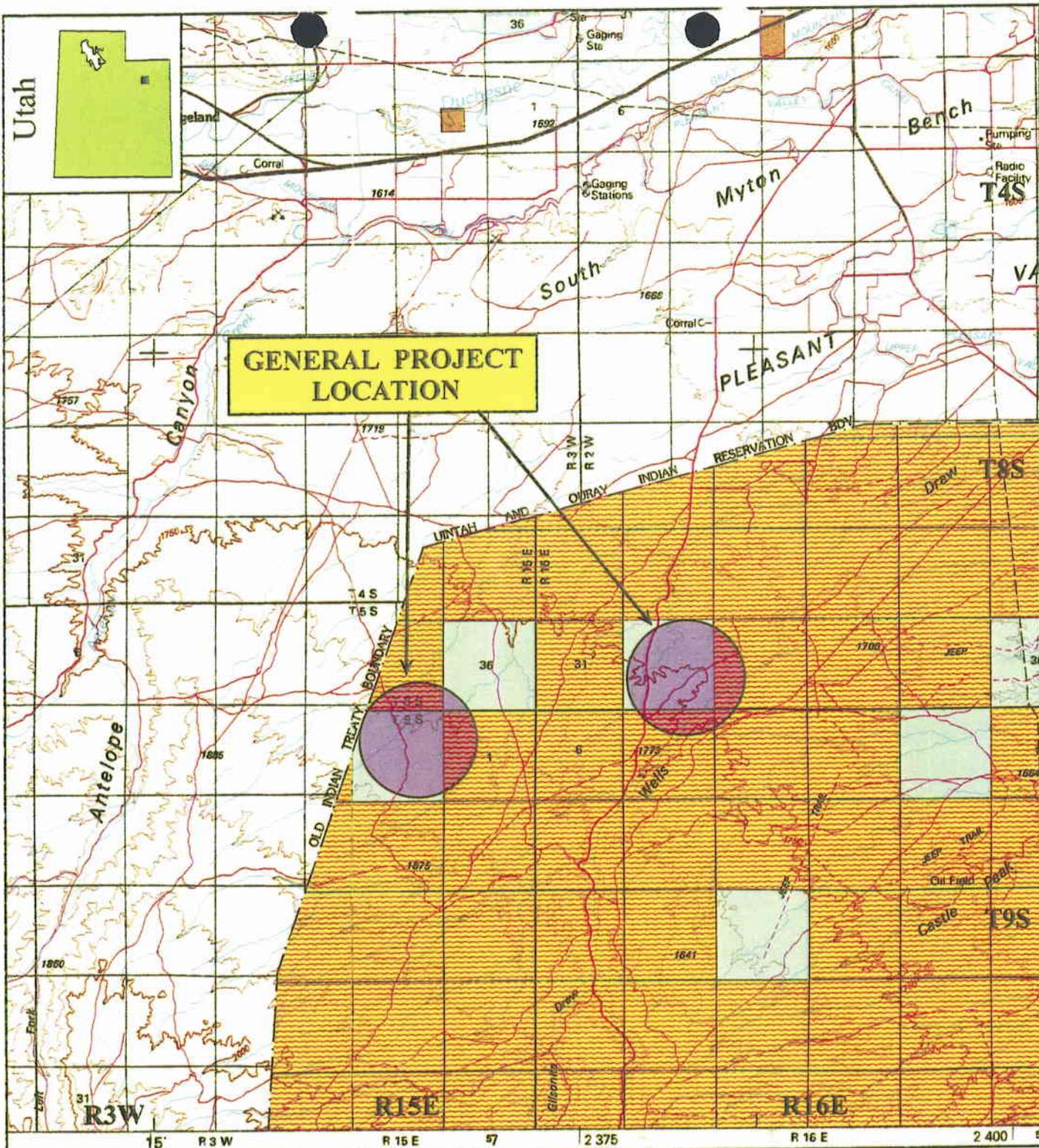
The cultural resource inventory of the nine well pad locations and in-fill acreage encountered five prehistoric sites and six isolated finds. The project inventory was conducted on June 24 and 25, 1999, by JBR personnel Richard Crosland, Jeffrey Rust, Steve Ice, and Tuula Rose.

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	E½ NE¼	SITLA	Myton SW, UT
9-32, 15-32 and 16-32 Wells Draw Expansion	T. 8S R.16E, Sec. 32	E½ SE¼; SW¼ SE¼	SITLA	Myton SW, UT
10-16 Lone Tree Unit	T. 9S R.17E, Sec. 16	NW¼ SE¼	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	E½ E½; SW¼ SE¼; S½ SE¼ SE¼ SW¼;	BLM	Pariette Draw SW, UT
In-fill 14-2 (Castle Draw Unit)	T. 9S R.17E, Sec. 2	SW¼ SW¼ SW¼	SITLA	Pariette Draw SW, UT



KEY:

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

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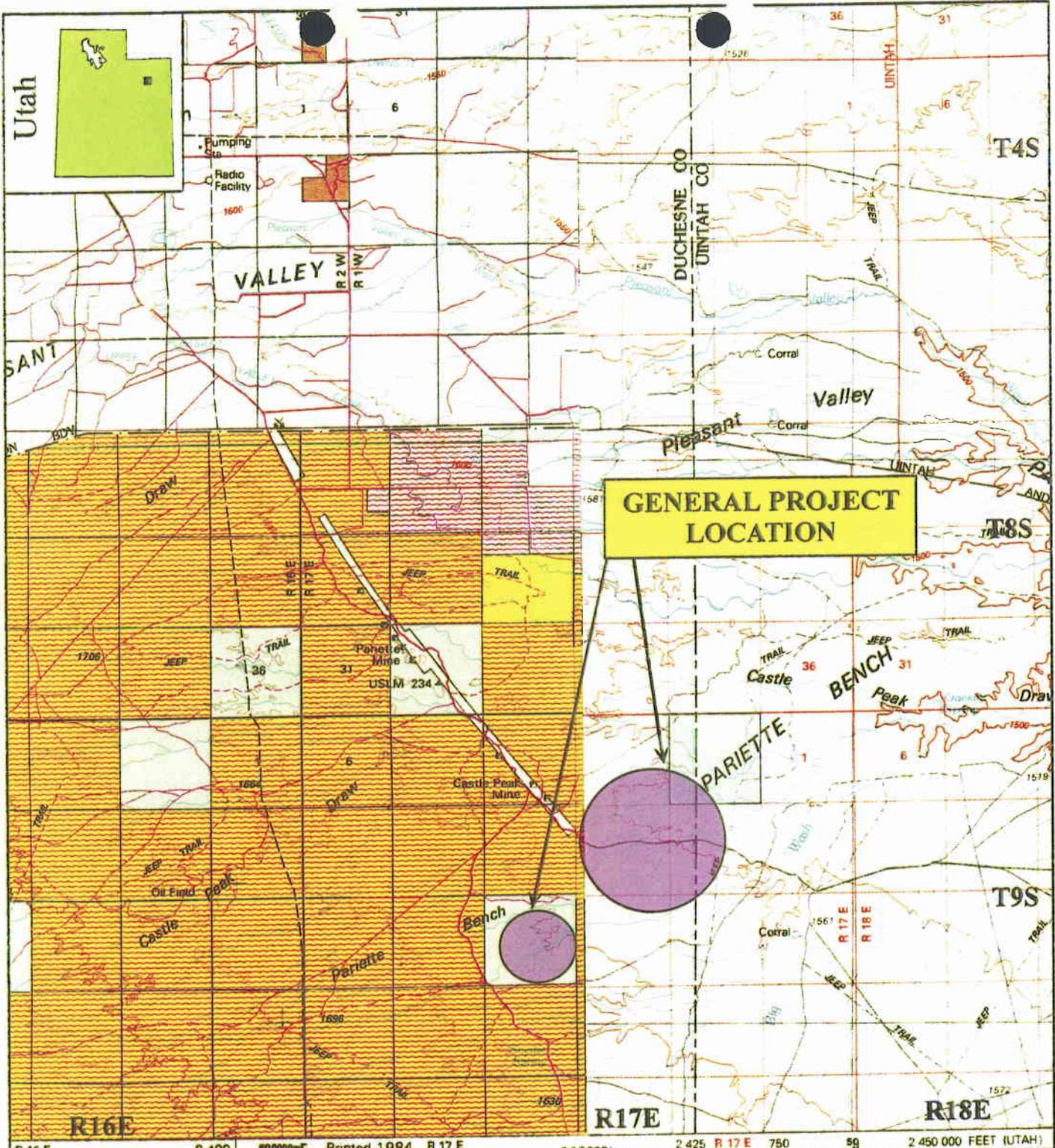
1 0 1 2 3 4 KILOMETERS

1 0 1 2 3 MILES

INLAND RESOURCES - NINE WELLS WITHIN FIVE UNITS

**FIGURE 1
GENERAL PROJECT LOCATION**

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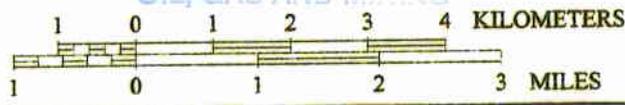
R 16 E 2 400 480000mE Printed 1984 R 17 E 110°00' 2 425 R 17 E 750 59 2 450 000 FEET (UTAH)

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INLAND RESOURCES - NINE WELLS WITHIN FIVE UNITS

FIGURE 2 GENERAL PROJECT LOCATION

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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

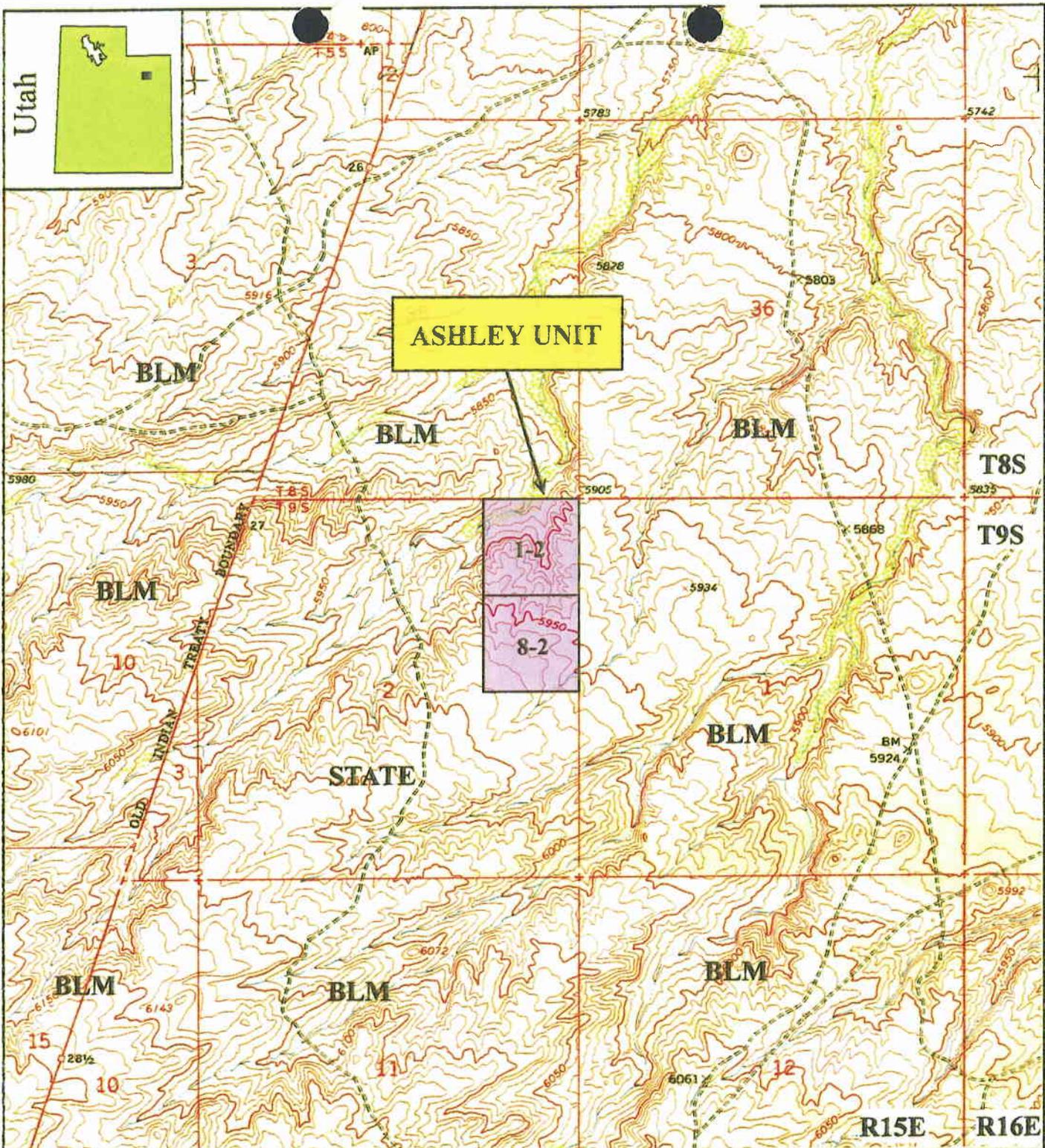
The class III inventory identified one previously recorded site, four newly recorded sites, and six isolated finds. The cultural resource sites consist of two prehistoric campsites and three lithic scatters. No historic sites were encountered. A summary of the cultural resource sites can be found in 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

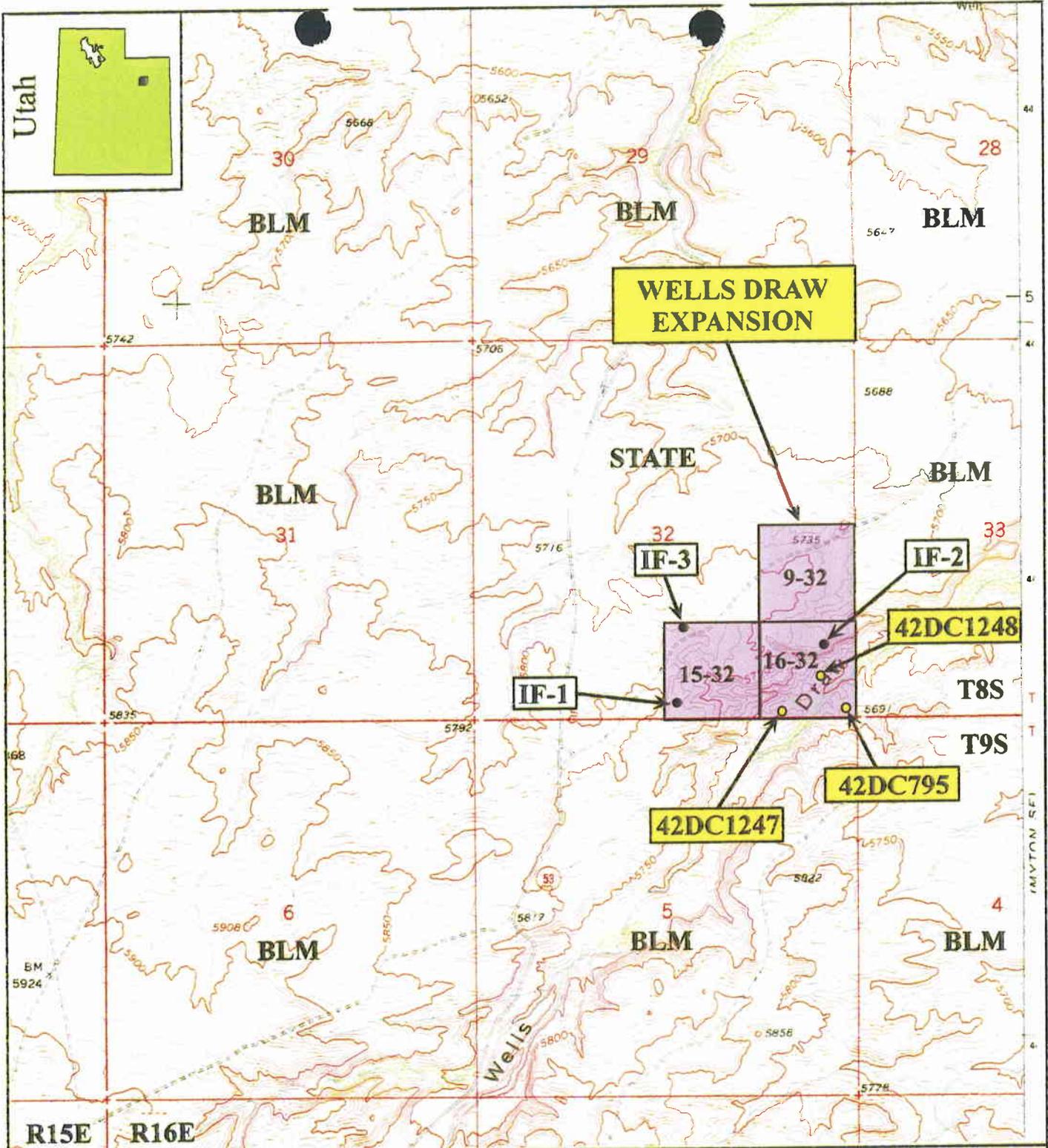
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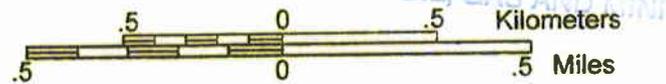
**FIGURE 3
PROJECT AREA**

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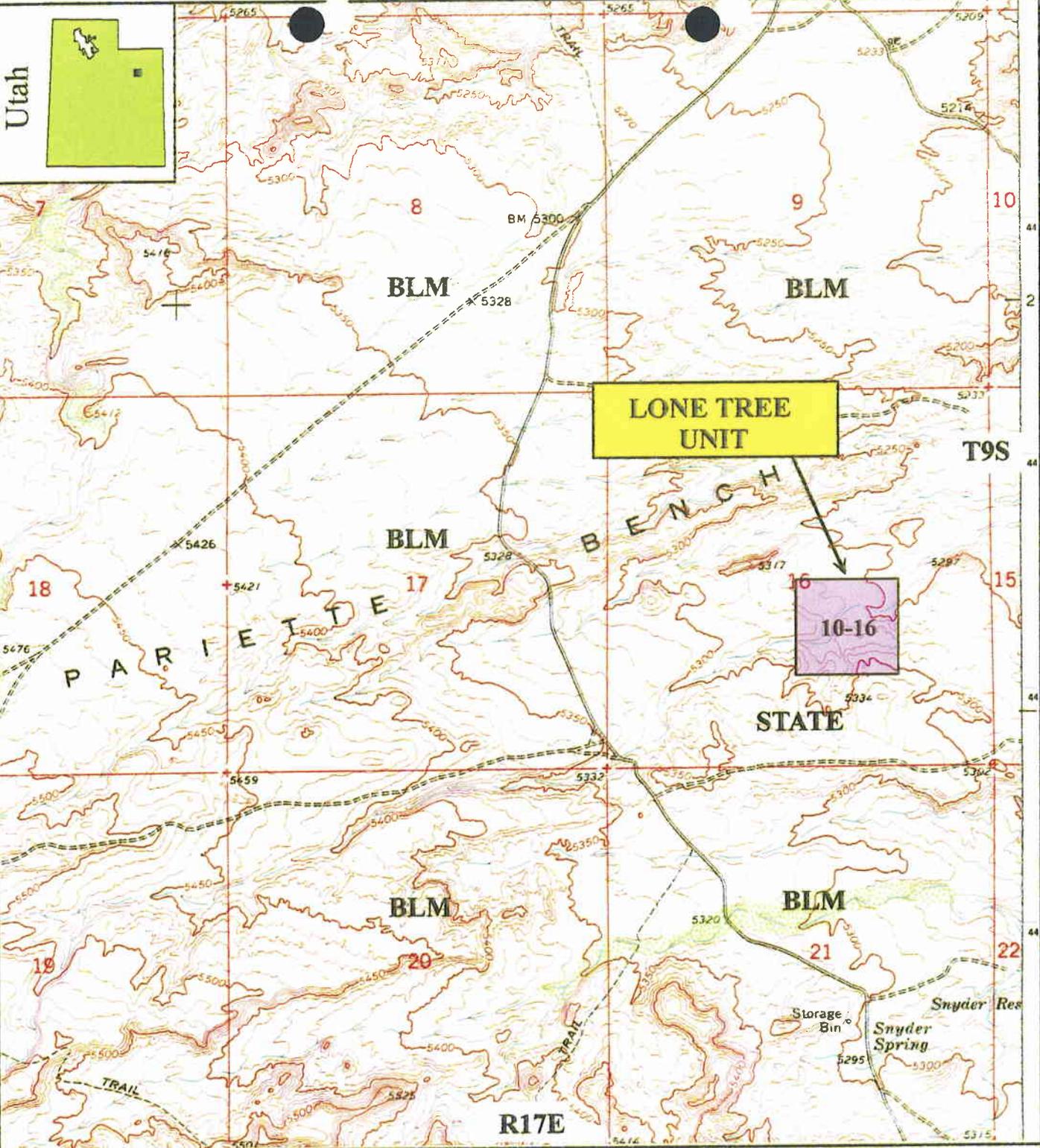
KEY: BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT

- CULTURAL RESOURCE SITE
- ISOLATED FIND
- CLASS III INVENTORY



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

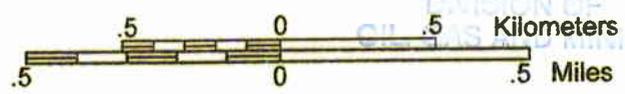
**FIGURE 4
PROJECT AREA
AND CULTURAL RESOURCES**



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

 CLASS III INVENTORY

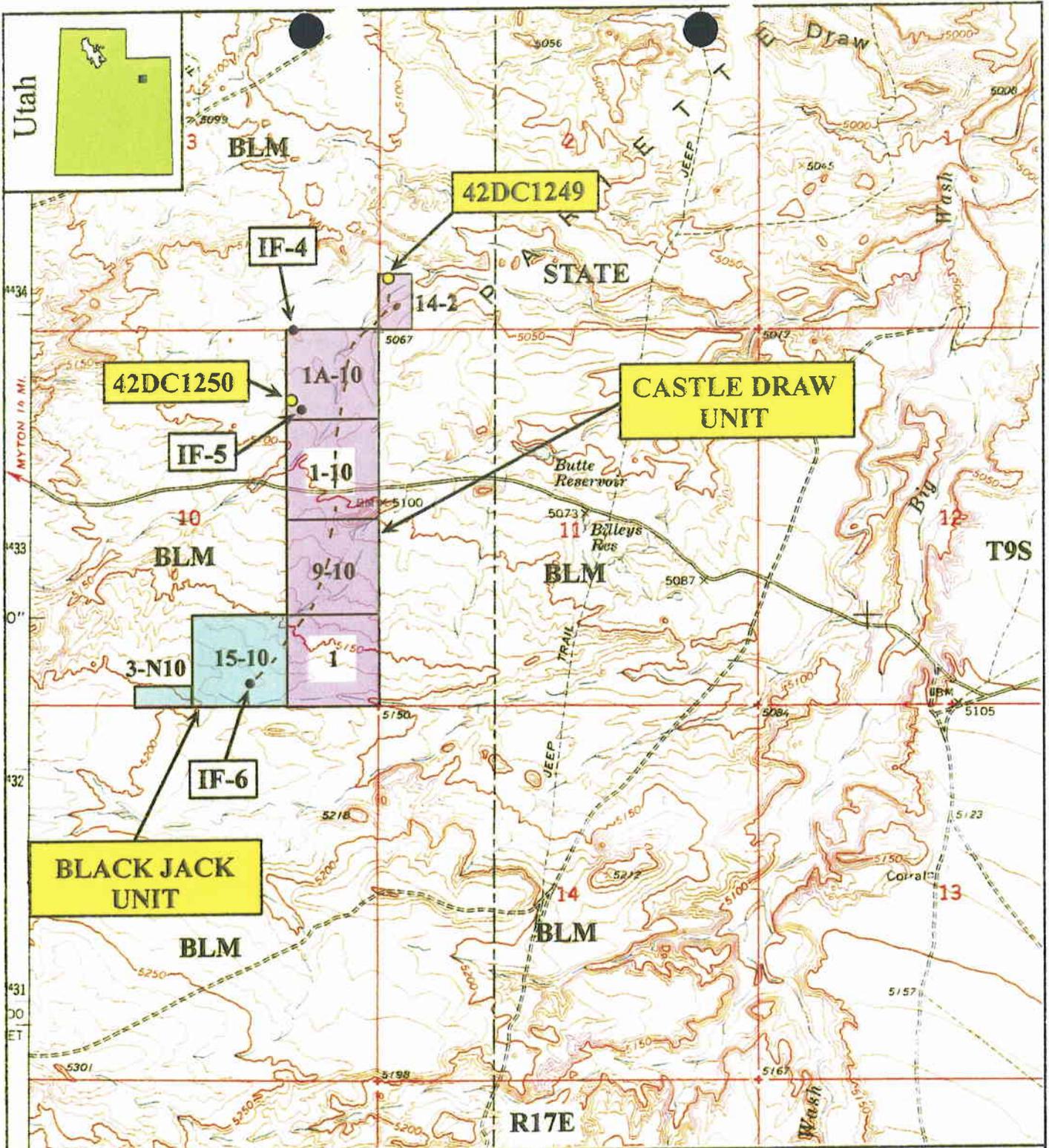
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**INLAND RESOURCES -
NINE WELLS WITHIN FIVE UNITS**

**FIGURE 5
PROJECT AREA**

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KEY:

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

- CULTURAL RESOURCE SITE
- ISOLATED FIND
- CLASS III INVENTORY

N

Kilometers

.5 0 .5

.5 0 .5 Miles

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

**FIGURE 6
PROJECT AREA
AND CULTURAL RESOURCES**

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environmental consultants, inc.

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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.

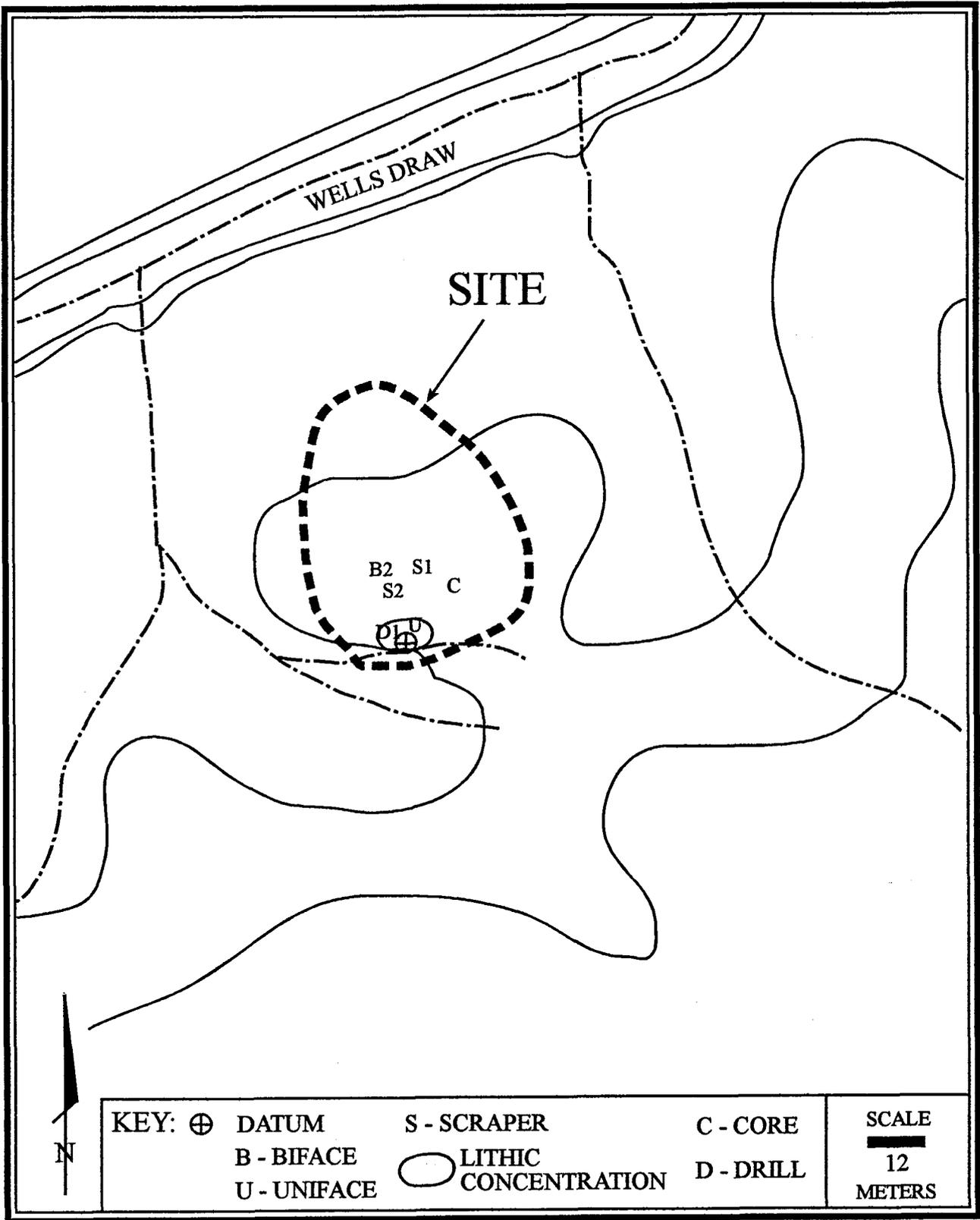


Figure 7. Plan map of site 42DC795.

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**.

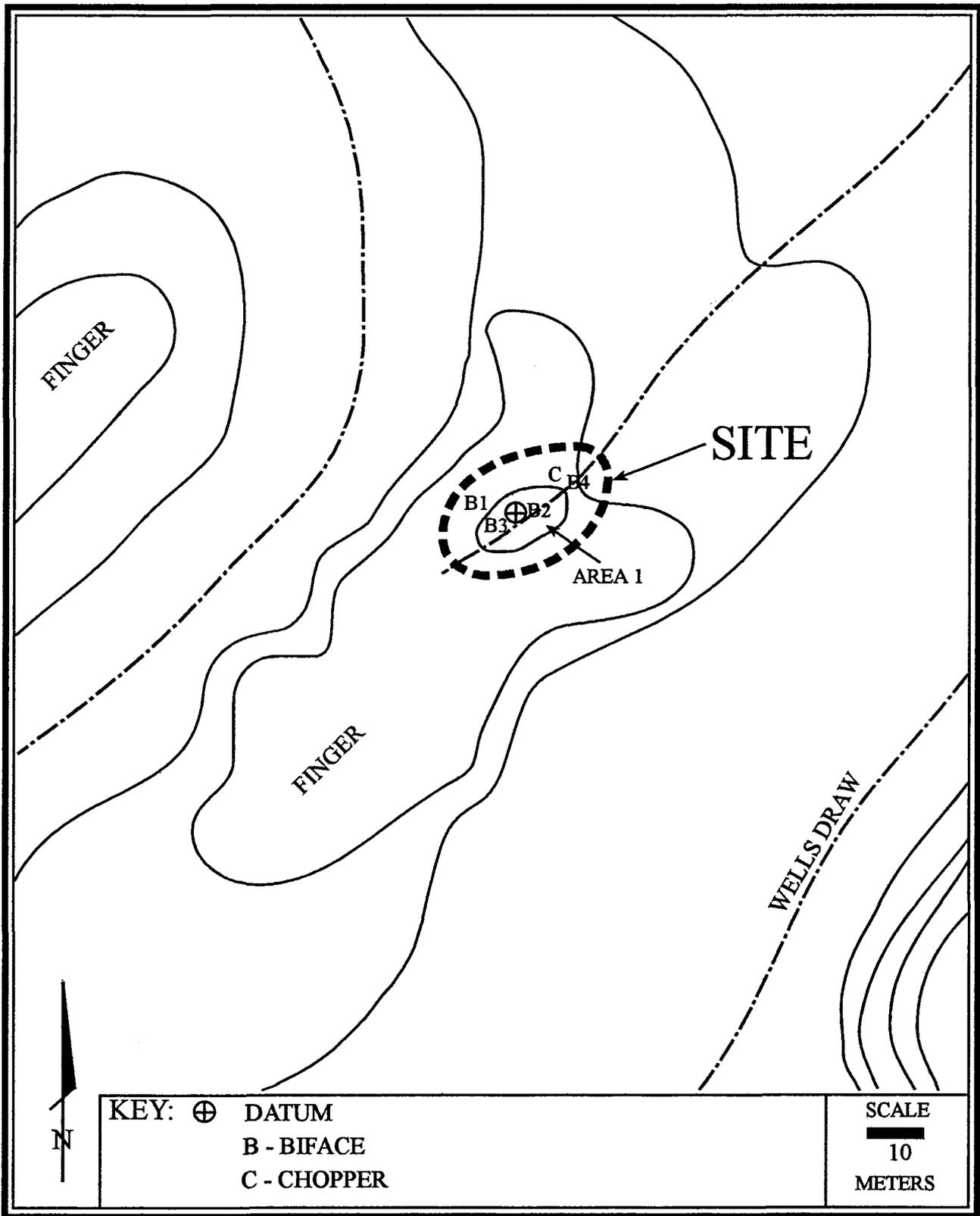


Figure 8. Plan map of site 42DC1247.

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.

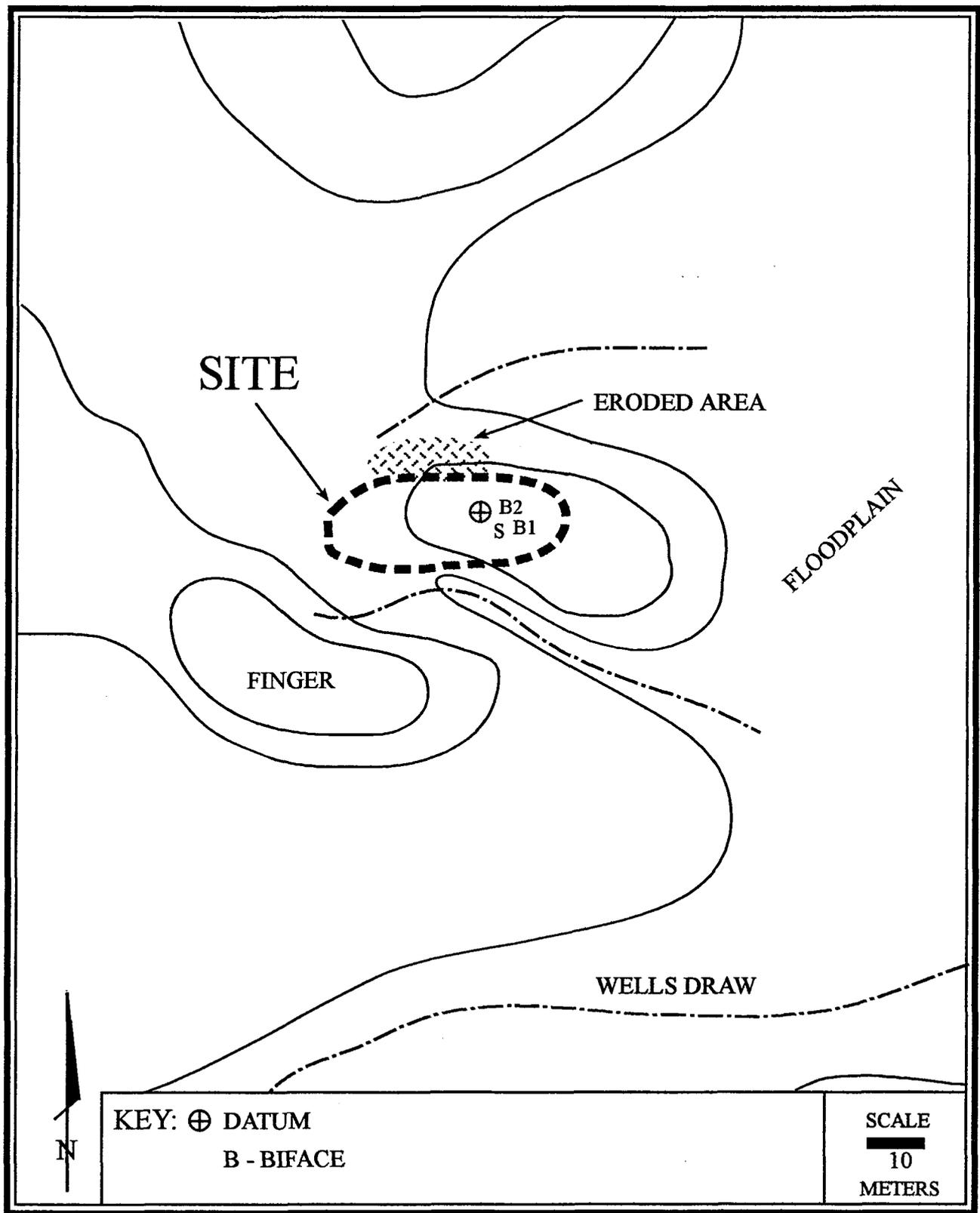


Figure 9. Plan map of site 42DC1248.

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.

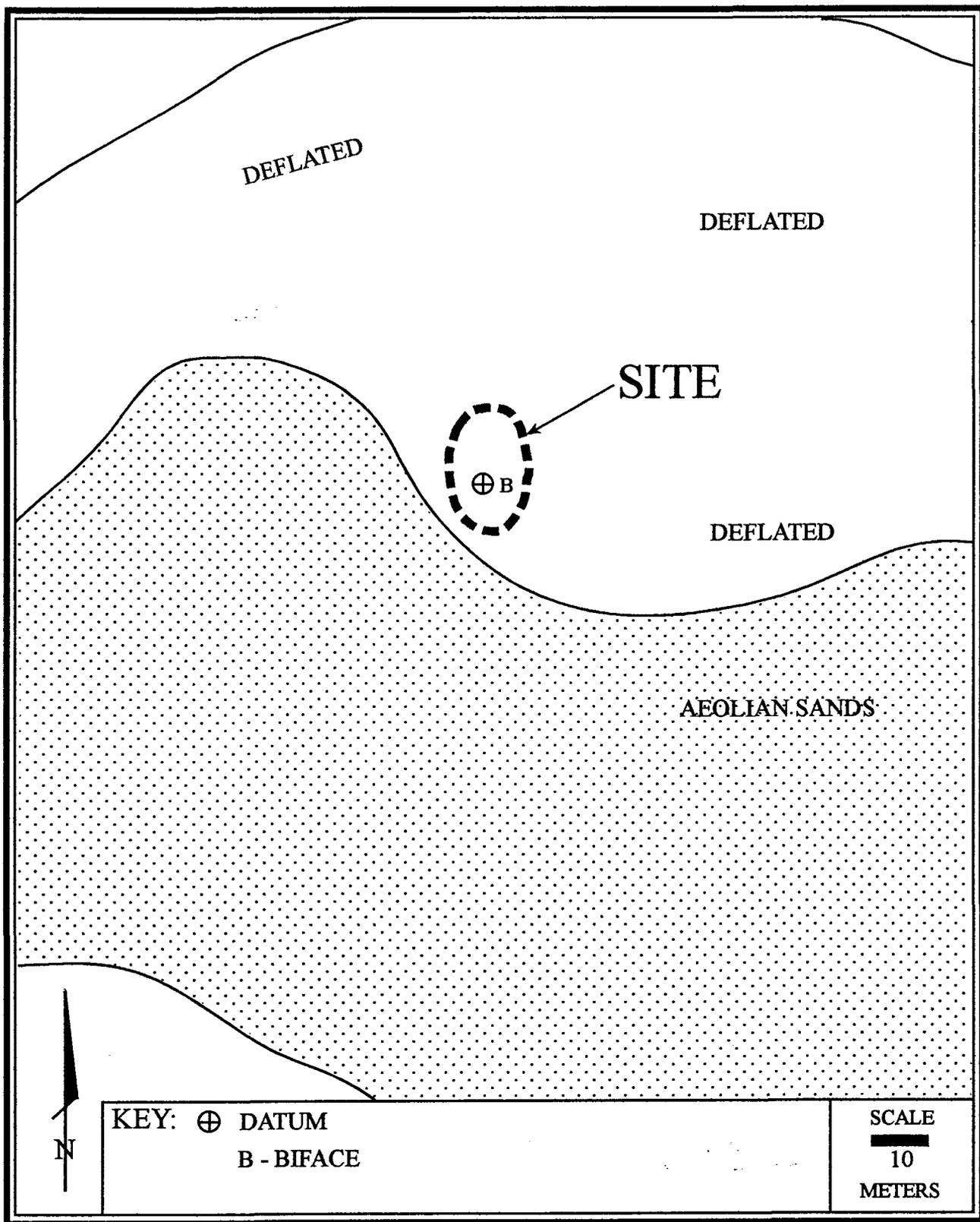


Figure 10. Plan map of site 42DC1249.

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**.

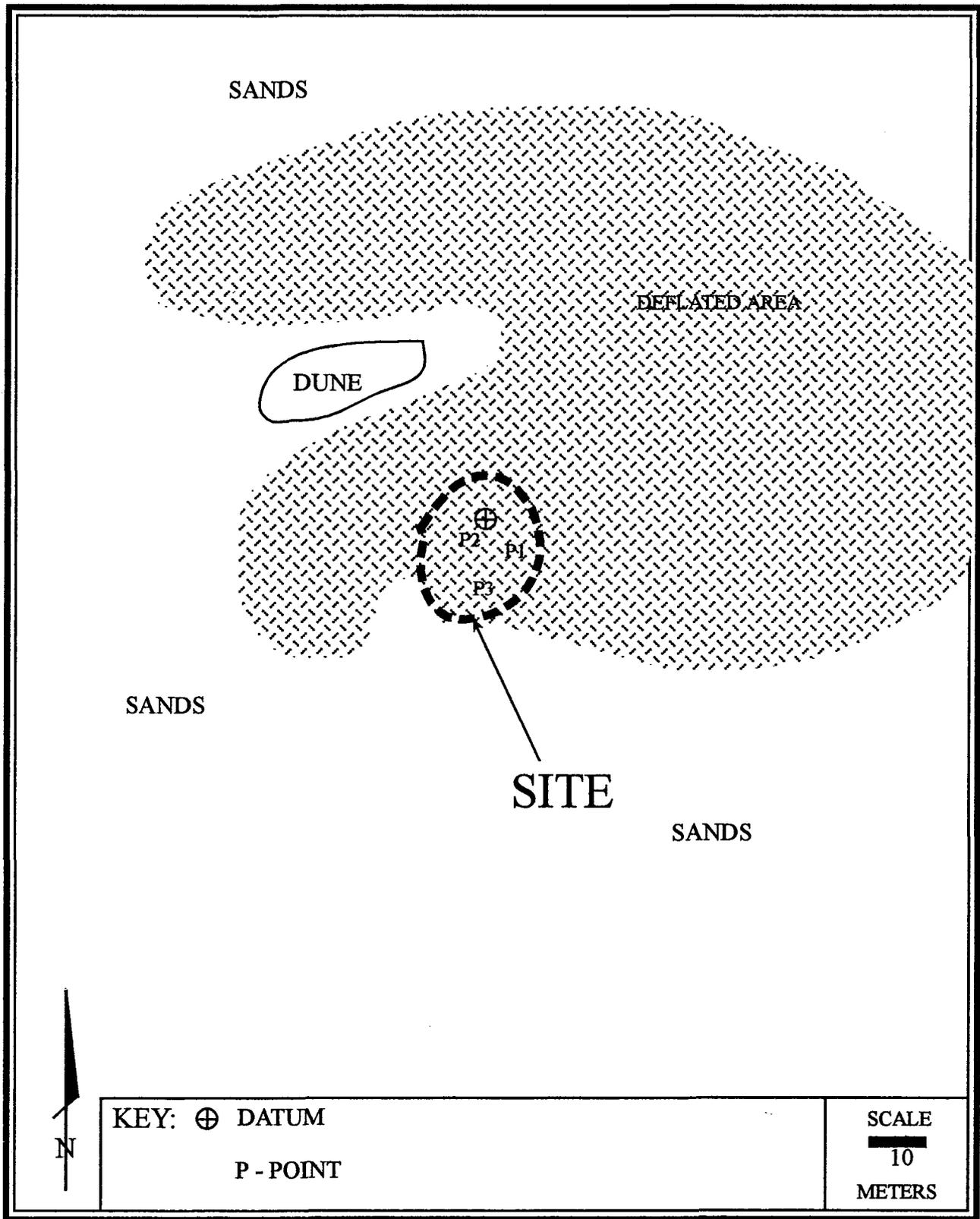


Figure 11. Plan map of site 42DC1250.

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.

10.0 REFERENCES

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**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/22/2000

API NO. ASSIGNED: 43-013-32089

WELL NAME: LONE TREE 15-16-9-17
 OPERATOR: INLAND PRODUCTION (N5160)
 CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

SWSE 16 090S 170E
 SURFACE: 0575 FSL 1929 FEL
 BOTTOM: 0575 FSL 1929 FEL
 DUCHESNE
 MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	<i>JH</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:

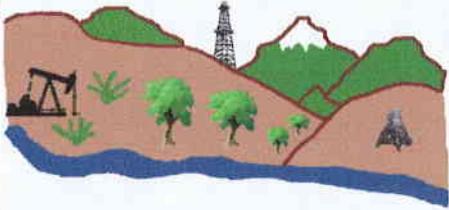
- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]
(No. RN 4471291)
- Potash (Y/N)
- Oil Shale (Y/N) *190 - 5 (B)
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit Lone Tree (GP)
- 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 Presite (4/15/00)

STIPULATIONS: ① Statement of Basis



Utah Oil Gas and Mining

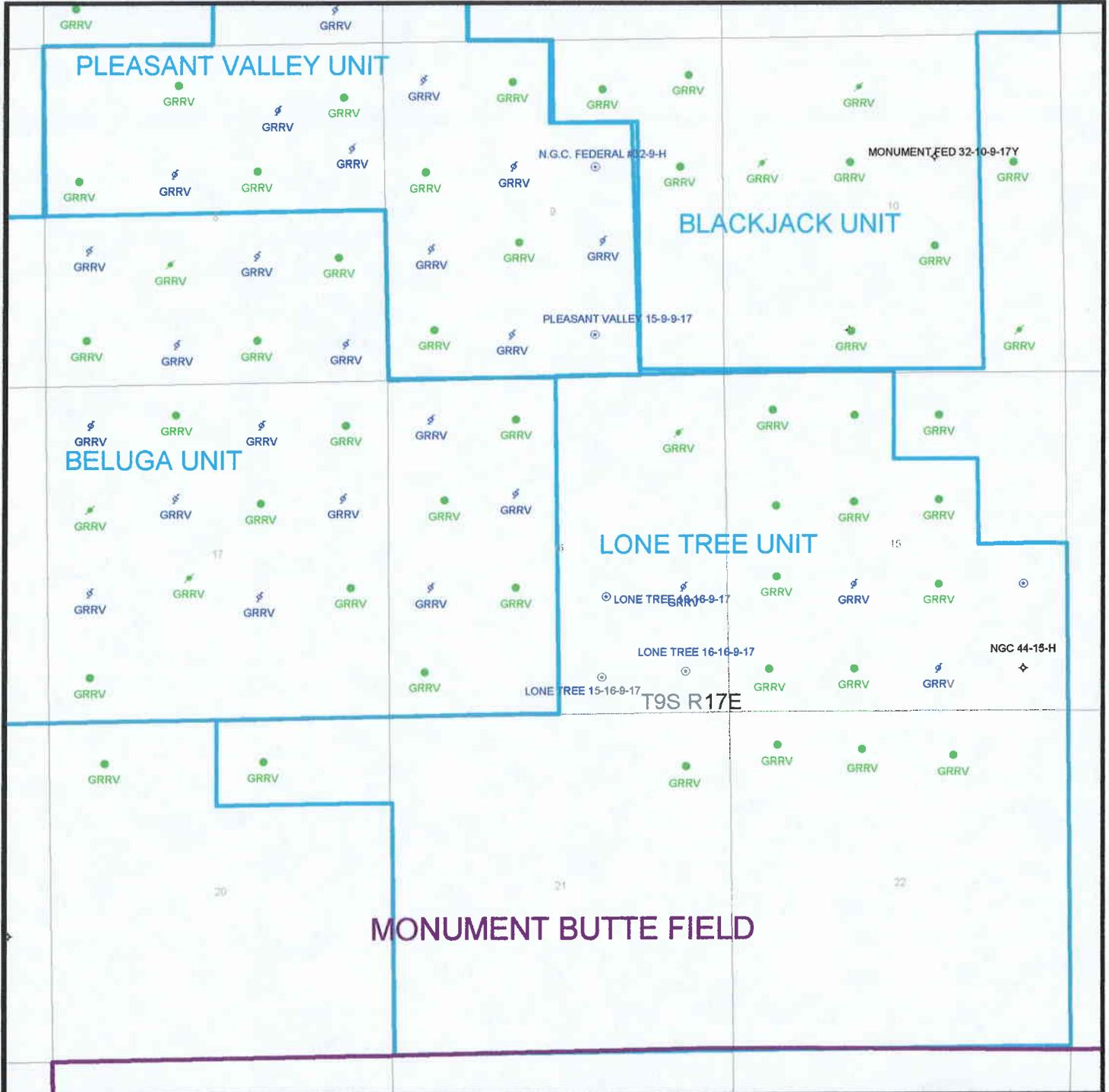
Serving the Industry, Protecting the Environment

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

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

Operator Name: Inland Production Company
Name & Number: Lone Tree #15-16-9-17
API Number: 43-013-
Location: 1/4,1/4 SW/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 300 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 a 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. The only issue noted onsite was the shallow wash just west of location edge. Inland was asked to round or shorten location to avoid re-routing same. No surface water was noted in area. Subsurface water is not well documented but should not be an issue.

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 #15-16-9-17
API NUMBER: 43-013-32089
LEASE: ML-3453B FIELD/UNIT: Beluga/Lone Tree
LOCATION: 1/4, 1/4 SW/SE Sec: 15 TWP: 9S RNG: 17E 1929.3 FEL 574.7 FSL
GPS COORD (UTM): 12 584587E; 4431013N
SURFACE OWNER: SITLA (State Lands)

PARTICIPANTS

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

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Located approximately 1/2 mile south of Pariette Bench in the Monument Butte Field. Immediate surface area slopes to south/southwest and has sandstone knolls just east and north of proposed location. A shallow wash or drainage cuts just west of location corner #8, #1, and #2.

SURFACE USE PLAN

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

PROPOSED SURFACE DISTURBANCE: Location proposed as 305'x 170' plus Reserve pit as 50'x 110'. Access road proposed as 6/10 mile in from south.

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: Cut and fill or borrowed material.

ANCILLARY FACILITIES: None proposed

WASTE MANAGEMENT PLAN:

Attached to Application to Drill and submitted to DOGM

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: A shallow drainage does drain run-off to northwest toward a larger drainage system but is dry with sagebrush type vegetation.

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 along western border of location should not affect drainage as corner #8 is rounded. Also minor erosion from northeast across location not considered any problem. Also minor sedimentation, no stability problems anticipated.

PALEONTOLOGICAL POTENTIAL: None observed

RESERVE PIT

CHARACTERISTICS: Located on northeast side in cut and measuring 90'x 40'x 8' deep downwind of prevailing winds.

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 Consultant Inc

OTHER OBSERVATIONS/COMMENTS

Discussed shallow drainage on western border of location (round edges if needed to retain ditch drainage). Also drainage of from northeast slope but determined not enough area for concern.

Dennis L. Ingram
DOGM REPRESENTATIVE

04/05/2000 9:30 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>













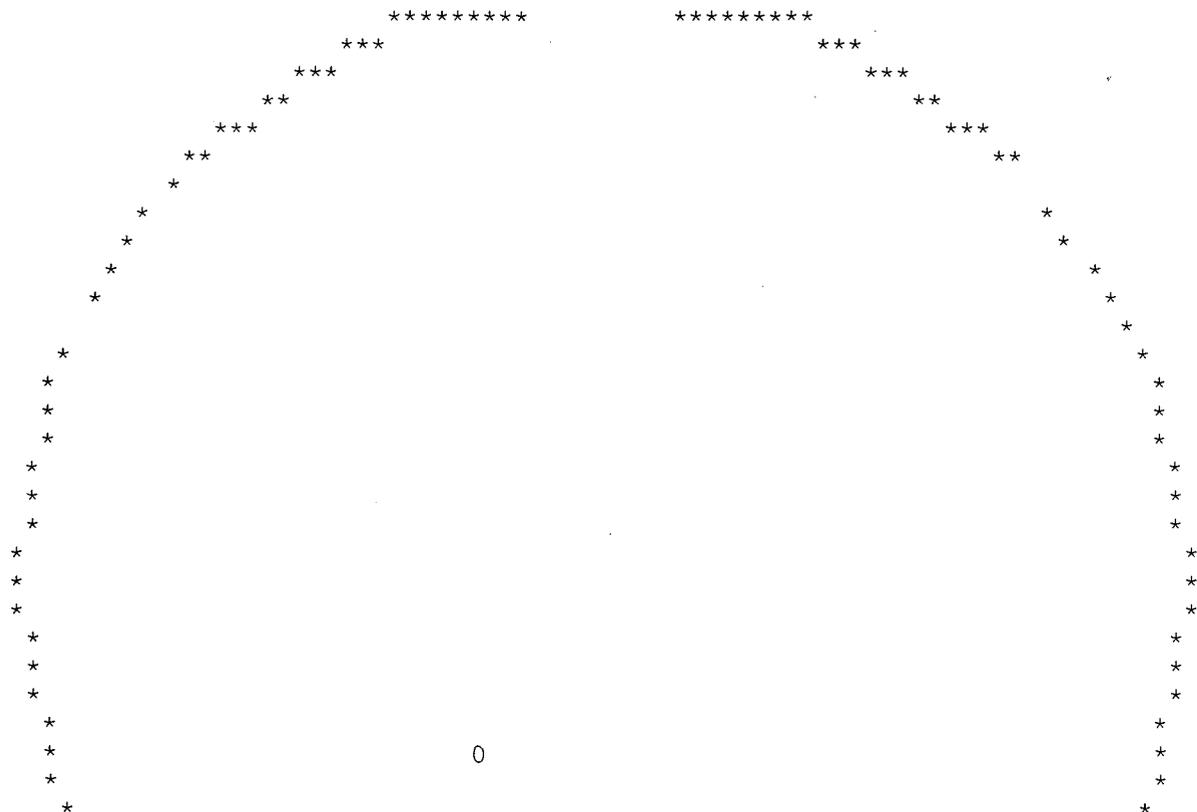


UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, MAY 9, 2000, 9:47 AM
PLOT SHOWS LOCATION OF 4 POINTS OF DIVERSION

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

N O R T H





UTAH DIVISION OF WATER RIGHTS
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	CFS	QUANTITY AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO	POINT OF DIVERSION DESCRIPTION
				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	PRIORITY DATE: 01/02/198
				USA Bureau of Land Management (Vernal Di 170 South 500 East	Vernal
1	47 1584	.0000	.00	unnamed stream	
				WATER USE(S): STOCKWATERING	PRIORITY DATE: 00/00/188
				USA Bureau of Land Management 170 South 500 East	Vernal
2	47 1333	.0020	.00	Unnamed Spring	N 680 E 810 S4 21 9S 17E SL
				WATER USE(S): STOCKWATERING	PRIORITY DATE: 00/00/188
				USA Bureau of Land Management 2370 South 2300 West	Salt Lake City
3	47 1320	.0110	.00	Snyder Spring	
				WATER USE(S): STOCKWATERING	PRIORITY DATE: 00/00/188
				USA Bureau of Land Management 2370 South 2300 West	Salt Lake City

Well name:

5-00 Inland LTU 15-16-9-17

Operator: **Inland**
String type: **Surface**

Project ID:
43-013-32089

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: 1 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 (ft³)
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 15-16-9-17

Operator: **Inland**

String type: Production

Project ID:

43-013-32089

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 (ft³)
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

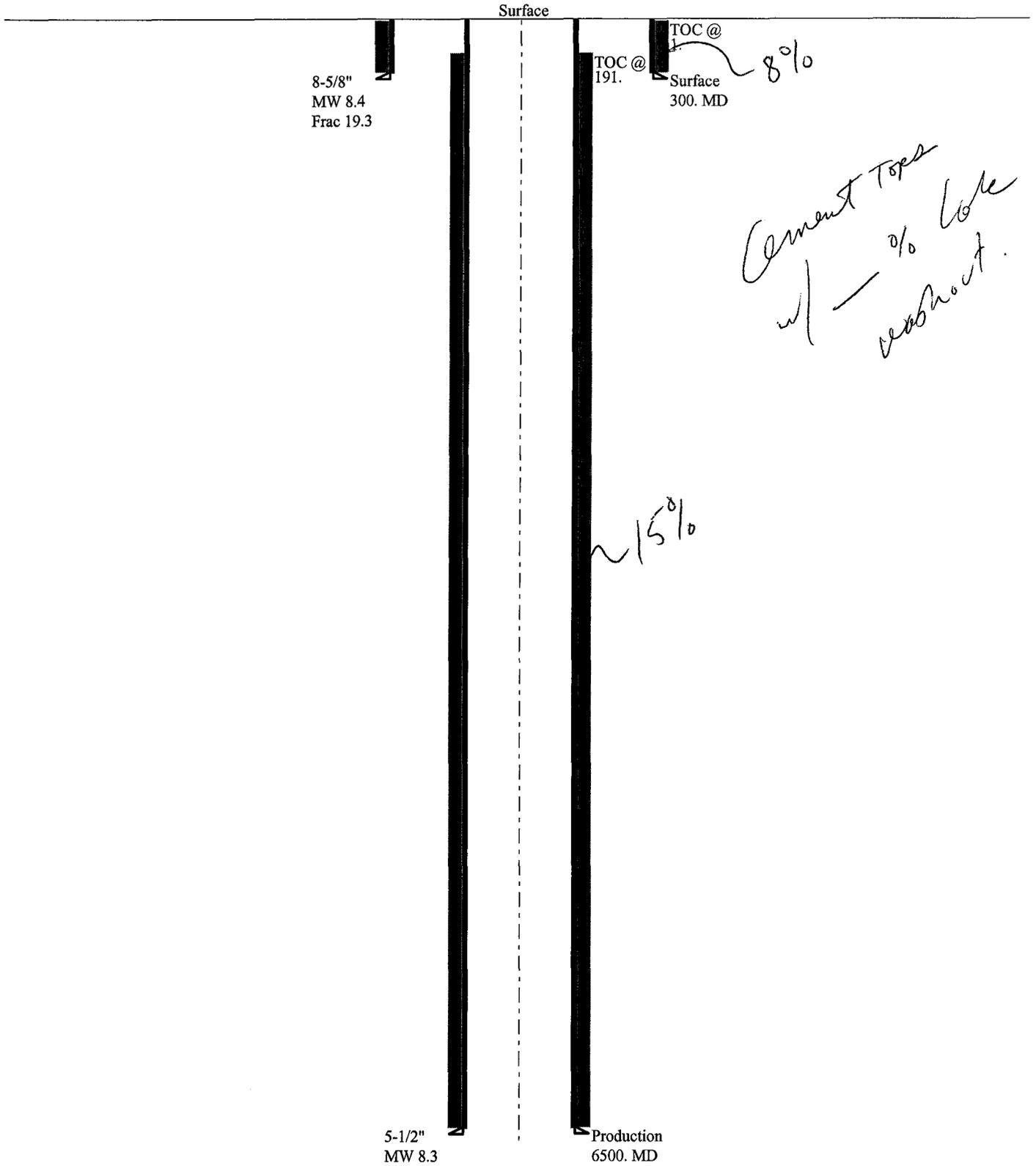
ENGINEERING STIPULATIONS: NONE

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 15-16-9-17

Casing Schematic



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 15-16-9-17 Well, 575' FSL, 1929' FEL, SW 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 43-013-32089.

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 15-16-9-17

API Number: 43-013-32089

Lease: ML-3453B

Location: SW 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 Company: INLAND PRODUCTION COMPANY

Well Name: LONE TREE 15-16-9-17

Api No. 43-013-32089 LEASE TYPE: STATE

Section 16 Township 09S Range 17E County DUCHESNE

Drilling Contractor LEON ROSS DRILLING RIG # 14

SPUDDED:

Date 02/07/2001

Time 8:30 AM

How DRY

Drilling will commence _____

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 02/09/2001 Signed: CHD



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 15-16-9-17. 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 type="checkbox"/> OTHER <input type="checkbox"/> <input checked="" type="checkbox"/> OIL WELL		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. # 15-16-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1929.3' FEL & 574.7' FSL SW/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 43-013-32089	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5316' 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"/>	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) <u>Spud notice</u>	<input checked="" type="checkbox"/>
(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.)*

MIRU Ross rig #14. Spud well @ 8:30 AM on 02/07/01. Drill 12 1/4" hole to a depth of 300'. PU & MU 7 jt's 85/8" J-55 24# csgn set depth of 290.31/ 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. 6 bbls cement returned to surface.

18 I hereby certify that the foregoing is true and correct

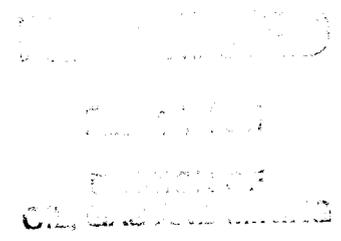
SIGNED _____ TITLE Drilling Foreman DATE 02/12/2001

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY

* See Instructions On Reverse Side



INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 300.76

LAST CASING 8 5/8" SET AT 300.76
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 300' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company
 WELL Lone Tree 15-16-9-17
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Ross #14

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		shjt 38.5					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	289.91
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			291.76
TOTAL LENGTH OF STRING		291.76	7	LESS CUT OFF PIECE			1
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			300.76
TOTAL		289.91	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		289.91	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		SPUD	02/07/2001	GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		8.30am		Bbls CMT CIRC TO SURFACE <u>6</u>			
BEGIN CIRC				RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT				DID BACK PRES. VALVE HOLD ? <u>N/A</u>			
BEGIN DSPL. CMT				BUMPED PLUG TO _____ 300 _____ PSI			
PLUG DOWN		Cemented	02/09/2001				
CEMENT USED		CEMENT COMPANY- BJ					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	145	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Pat Wisener

DATE 02/09/2001

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 well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

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

Kebbie S. Jones
 Signature
 Production Clerk
 February 15, 2001
 Date



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

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DEC 22 2003
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);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Lone Tree 15-16-9-17	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)		

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
HUMPBAC 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

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 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"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME MONUMENT BUTTE	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		8. FARM OR LEASE NAME LONE TREE 15-16-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/SE Section 16, T9S R17E 575 FSL 1929 FEL		9. WELL NO. LONE TREE 15-16-9-17	
14. API NUMBER 43-013-32089		10. FIELD AND POOL, OR WILDCAT LONE TREE	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5316 GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/SE Section 16, T9S R17E	
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"/>	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 3-19-04. 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 @ 255'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 5672'. 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, & 128 Jt's 51/2" J-55 15.5# csgn. Set @ 5645'/ KB. Cement with 300 sks Prem Lite II w/ 3% KCL, 10 % Gel, 5#"s sk CSE, 3#"s sk Kolsel, .8% Sms, 1/4# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 400 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/4# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Returned 10 bbls dye water to pit. Nippel down BOP's. Drop slips @ 85,000 # 's tension. Clean pit's & release rig on 3-24-04 @ 10:30 PM

18 I hereby certify that the foregoing is true and correct

SIGNED *John Mitchell* TITLE Drilling Foreman DATE 3-25-04

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

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

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MAR 26 2004
DIV. OF OIL, GAS & MINING

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5645.04

Flt cflr @ 5605'

LAST CASING 8 5/8" SET AT 301'

OPERATOR Inland Production Company

DATUM 12.5 KB

WELL Lone Tree 15-16-9-17

DATUM TO CUT OFF CASING 12.5

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Patterson 155

TD DRILLER 5672' LOGGER 5663'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		5.85 3956' short jt					
128	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5592.01
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	39.28
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5646.54
TOTAL LENGTH OF STRING		5646.54	129	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		45.11	1	CASING SET DEPTH			5645.04
TOTAL		5676.40	130	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5676.4	130				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB			yes
BEGIN RUN CSG.		3/24/04	12:00 PM	Bbls CMT CIRC TO SURFACE			0
CSG. IN HOLE		3/24/04	3:30 PM	RECIPROCATED PIPE FOR			THRUSTROKE
BEGIN CIRC		3/24/04	3:30 PM	DID BACK PRES. VALVE HOLD ?			yes
BEGIN PUMP CMT		3/24/04	4:35 PM	BUMPED PLUG TO			2035 PSI
BEGIN DSPL. CMT		3/24/04	5:25 PM				
PLUG DOWN		3/24/2004	5.57 PM				

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	300	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	400	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.			

COMPANY REPRESENTATIVE Floyd Mitchell DATE 3/24/04

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 are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
575 FSL 1929 FEL
SW/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 15-16-9-17

9. API Well No.

4301332089

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 deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work 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 is 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 requirement including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 4/02/04 – 4/09/04

Subject well had completion procedures initiated in the Green River formation on 4/02/04 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (4810-4822') (4 JSPF); #2 (4524-4530') (4 JSPF); #3 (4428-4438') (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 4/07/04. Bridge plugs were drilled out. Well was cleaned out to PBD @ 5606'. Zones were swab tested for sand cleanup. A BHA & production tubing string were run in and anchored in well. End of tubing string @ 4861'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 4/09/04.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)
Jodi Wyatt

Signature

Title

Production Clerk

Date

4/14/2004

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

Date

Office

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

(Instructions on reverse)

RECEIVED

APR 15 2004

DIV. OF OIL, GAS & MINING

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 WELL <input type="checkbox"/> GAS 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 575 FSL 1929 FEL</p> <p>QQ, SEC, T, R, M: SW/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 15-16-9-17</p> <p>9. API NUMBER 43-013-32089</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> <table style="width:100%;"> <tr> <td><input type="checkbox"/> ABANDON</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> REPAIR CASING</td> <td><input type="checkbox"/> PULL OR ALTER CASING</td> </tr> <tr> <td><input type="checkbox"/> CHANGE OF PLANS</td> <td><input type="checkbox"/> RECOMPLETE</td> </tr> <tr> <td><input type="checkbox"/> CONVERT TO INJECTION</td> <td><input type="checkbox"/> REPERFORATE</td> </tr> <tr> <td><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE</td> <td><input type="checkbox"/> VENT OR FLARE</td> </tr> <tr> <td><input type="checkbox"/> MULTIPLE COMPLETION</td> <td><input type="checkbox"/> WATER SHUT OFF</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> OTHER <u>Dispose Water</u></td> </tr> </table>	<input type="checkbox"/> ABANDON	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> MULTIPLE COMPLETION	<input type="checkbox"/> WATER SHUT OFF	<input checked="" type="checkbox"/> OTHER <u>Dispose Water</u>		<p>SUBSEQUENT REPORT OF: (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> ABANDON*</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> REPAIR CASING</td> <td><input type="checkbox"/> PULL OR ALTER CASING</td> </tr> <tr> <td><input type="checkbox"/> CHANGE OF PLANS</td> <td><input type="checkbox"/> RECOMPLETE</td> </tr> <tr> <td><input type="checkbox"/> CONVERT TO INJECTION</td> <td><input type="checkbox"/> REPERFORATE</td> </tr> <tr> <td><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE</td> <td><input type="checkbox"/> VENT OR FLARE</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> OTHER _____</td> </tr> </table> <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>	<input type="checkbox"/> ABANDON*	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> OTHER _____	
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<input type="checkbox"/> OTHER _____																											

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**

Inland Resources Inc.

May 13, 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

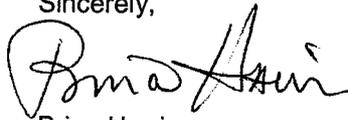
Lonetree 15-16-9-17 (43-013-32089)
Duchesne County, Utah

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

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

RECEIVED

MAY 17 2004

DIV. OF OIL, GAS & MINING

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.
UTU-77236X

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Lone Tree

8. FARM OR LEASE NAME, WELL NO.
Lone Tree 15-16-9-17

9. WELL NO.
43-013-32089

10. FIELD AND POOL OR WILDCAT
Monument Butte

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

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 **575' FSL & 1929' FEL (SW SE) Sec. 16, T9S, R17E**
At top prod. Interval reported below

At total depth

14. API NO. **43-013-32089** DATE ISSUED **5/15/2000**

15. DATE SPUNDED **2/7/2001** 16. DATE T.D. REACHED **3/24/2004** 17. DATE COMPL. (Ready to prod.) **4/9/2004** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5316' GL**

12. COUNTY OR PARISH **Duchesne** 13. STATE **UT**

19. ELEV. CASINGHEAD **5328' KB**

20. TOTAL DEPTH, MD & TVD **5665** 21. PLUG BACK T.D., MD & TVD **5606** 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 4428'-4822'

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

26. TYPE ELECTRIC AND OTHER LOGS RUN
DI/SP/CDL/GR/Cal (CBL)

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#	300'	12-1/4"	To surface with 145 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5645'	7-7/8"	300 sx Premiite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 4872'	TA @ 4772'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A3) 4810'-4822'	.038"	4/48	4810'-4822'	Frac w/ 54,105# 20/40 sand in 455 bbls. fluid.
(C-sd) 4524'-4530'	.038"	4/24	4524'-4530'	Frac w/ 19,991# 20/40 sand in 240 bbls. fluid.
(D2) 4428'-4438'	.038"	4/40	4428'-4438'	Frac w/ 45,537# 20/40 sand in 397 bbls. fluid.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33.* PRODUCTION

DATE FIRST PRODUCTION **4/9/2004** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2 1/2" x 1 1/2" x 16' RHAC PUMP** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			---	63	945	3	15000

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

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

35. LIST OF ATTACHMENTS

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

SIGNED **Brian Harris** TITLE **Engineering Technician** DATE **5/13/2004**

RECEIVED

MAY 17 2004

DIV OF OIL, GAS & MINING BDH

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Lone Tree 15-16-9-17	Garden Gulch Mkr	3389'	
				Garden Gulch 1	3581'	
				Garden Gulch 2	3690'	
				Point 3 Mkr	3956'	
				X Mkr	4186'	
				Y-Mkr	4220'	
				Douglas Creek Mkr	4348'	
				BiCarbonate Mkr	4581'	
				B Limestone Mkr	4692'	
				Castle Peak	5174'	
				Basal Carbonate	5602'	
				Total Depth (LOGGERS)	5672'	

RECEIVED
 MAY 17 2004
 DIV. OF OIL, GAS & MINING

map
Inland Resources Inc.

May 21, 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 16-16-9-17 (43-013-31250)
Duchesne County, Utah

Federal 15-1-9-17 (43-047-35182)
Uintah County, Utah

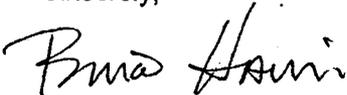
Lonetree 15-16-9-17 (43-013-32089)
Duchesne County, Utah UPDATED to add TD and PBSD depths

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 27 2004
DIV. OF OIL, GAS & MINING

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

Inland Resources Inc.

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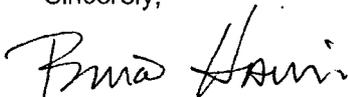
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MAY 27 2004
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Denver, CO 80202
303-893-0102 • Fax: 303-893-0103

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 575' FSL & 1929' FEL (SW SE) Sec. 16, T9S, R17E
At top prod. Interval reported below

14. API NO. 43-013-32089 DATE ISSUED 5/15/2000
12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 2/7/2001 16. DATE T.D. REACHED 3/24/2004 17. DATE COMPL. (Ready to prod.) 4/9/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5316' GL 5328' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5665' 21. PLUG BACK T.D., MD & TVD 5606' 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 4428'-4822'

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#	300'	12-1/4"	To surface with 145 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5645'	7-7/8"	300 sx Premlite 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 @ 4872'	TA @ 4772'

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
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33.* PRODUCTION

DATE FIRST PRODUCTION 4/9/2004 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2 1/2" x 1 1/2" x 16' RHAC PUMP WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 10 day ave HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL--BBL. 63 GAS--MCF. 945 WATER--BBL. 3 GAS-OIL RATIO #5000

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

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Brian Harris TITLE Engineering Technician DATE 5/13/2004
Brian Harris

MAILED
MAY 21 2004
DIV. OF OIL, GAS & MIN.

(See other instructions on reverse side)

OMB NO. 1004-0137
Expires: February 28, 1995

**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

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13. STATE UT

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22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
----->

ROTARY TOOLS X

CABLE TOOLS

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DIGL/SP/CDL/GR/Cal (CBL)

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DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ---->	OIL--BBL. 63	GAS--MCF. 945	WATER--BBL. 3
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ---->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

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

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Brian Harris

TITLE Engineering Technician

MAY 17 2004
DATE 5/13/2004

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Lone Tree 15-16-9-17	Garden Gulch Mkr	3389'	
				Garden Gulch 1	3581'	
				Garden Gulch 2	3690'	
				Point 3 Mkr	3956'	
				X Mkr	4186'	
				Y-Mkr	4220'	
				Douglas Creek Mkr	4348'	
				BiCarbonate Mkr	4581'	
				B Limestone Mkr	4692'	
				Castle Peak	5174'	
				Basal Carbonate	5602'	
				Total Depth (LOGGERS)	5672'	

MAY 17 2004
 J. W. KAPLAN, DAVE B. MINTON

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

1b. TYPE OF WELL

OIL WELL GAS WELL DRY Other _____

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

5. LEASE DESIGNATION AND SERIAL NO.
UTU-77236X

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Lone Tree

8. FARM OR LEASE NAME, WELL NO.
Lone Tree 15-16-9-17

2. NAME OF OPERATOR
INLAND RESOURCES INC.

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

9. WELL NO.
43-013-32089

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
At Surface 575' FSL & 1929' FEL (SW SE) Sec. 16, T9S, R17E
At top prod. Interval reported below
At total depth _____

10. FIELD AND POOL OR WILDCAT
Monument Butte

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

14. API NO. 43-013-32089 DATE ISSUED 5/15/2000

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 2/7/2001 16. DATE T.D. REACHED 3/24/2004 17. DATE COMPL. (Ready to prod.) 4/9/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5316' GL 5328' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5665 21. PLUG BACK T.D., MD & TVD 5606 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 4428'-4822'

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#	300'	12-1/4"	To surface with 145 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5645'	7-7/8"	300 sx Premlite 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 @ 4872'	TA @ 4772'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPE/NUMBER	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
(A3) 4810'-4822'	.038"	4/48	DEPTH INTERVAL (MD) 4810'-4822' AMOUNT AND KIND OF MATERIAL USED Frac w/ 54,105# 20/40 sand in 455 bbls. fluid.
(C-sd) 4524'-4530'	.038"	4/24	4524'-4530' Frac w/ 19,991# 20/40 sand in 240 bbls. fluid.
(D2) 4428'-4438'	.038"	4/40	4428'-4438' Frac w/ 45,537# 20/40 sand in 397 bbls. fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION 4/9/2004 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2 1/2" x 1 1/2" x 16' RHAC PUMP WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 10 day ave HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL--BBL. 63 GAS--MCF. 945 WATER--BBL. 3 GAS-OIL RATIO

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

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

35. LIST OF ATTACHMENTS

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

SIGNED Brian Harris TITLE Engineering Technician DATE 5/13/2004

RECEIVED
MAY 27 2004
DIV. OF OIL, GAS & MIN.



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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

SEP 25 2006

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

David Gerbig
Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

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

43-013-32089
Re: Underground Injection Control Program
Final Permit: Lone Tree 15-16-9-17
Duchesne County, Utah
EPA Permit No. UT21004-06859
95 17E 16

Dear Mr. Gerbig:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Lone Tree 15-16-9-17 injection well. A Statement of Basis, which discusses development of the conditions and requirements of the Permit, also is included.

The Public Comment period ended on SEP 21 2006. There were no comments on the Draft Permit received during the Public Notice period, and therefore the Final Permit becomes effective on the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this Permit becomes effective.

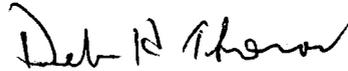
Please note that under the terms of the Final Permit, you are authorized only to construct the proposed injection well, and must fulfill the "Prior to Commencing Injection" requirements of the Permit, Part II Section C Subpart 1 and obtain written Authorization to Inject prior to commencing injection. It is your responsibility to be familiar with and to comply with all provisions of the Final Permit.

The Permit and the authorization to inject are issued for the operating life of the well unless terminated (Part III, Section B). The EPA will review this Permit at least every five (5) years to determine whether action under 40 CFR § 144.36(a) is warranted.

RECEIVED
OCT 02 2006

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 6174.

Sincerely,



for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit
Statement of Basis
Form 7520-7 Application to Transfer Permit
Form 7520-10 Completion Report
Form 7520-11 Monitoring Report
Form 7520-12 Well Rework Record
Form 7520-13 Plugging Record
Groundwater Section Guidance 35
Groundwater Section Guidance 37
Groundwater Section Guidance 39

cc: Letter only:

Maxine Natchees
Acting Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Chester Mills
Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Final Permit & Statement of Basis:

S. Elaine Willie
Environmental Coordinator
Ute Indian Tribe

Lynn Becker
Director
Energy & Minerals Dept.
Ute Indian Tribe

Gilbert Hunt
Associate Director
State of Utah - Natural Resources

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, Utah

all enclosures:

Michael Guinn
Vice President - Operations
Newfield Production Company
Myton, Utah



**UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT**

PREPARED: September 2006

Permit No. UT21004-06859

Class II Enhanced Oil Recovery Injection Well

**Lone Tree 15-16-9-17
DUCHESNE County, UT**

Issued To

Newfield Production Company

1401 Seventeenth Street

Suite 1000

Denver, CO 80202

RECEIVED

OCT 02 2006

DIV. OF OIL, GAS & MINING

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Lone Tree 15-16-9-17
575' FSL & 1929' FEL, SWSE S16, T9S, R17E
DUCHESNE County, UT

Permit requirements herein are based on regulations found in 40 CFR Parts 124, 144, 146, and 147 which are in effect on the Effective Date of this Permit.

This Permit is based on representations made by the applicant and on other information contained in the Administrative Record. Misrepresentation of information or failure to fully disclose all relevant information may be cause for termination, revocation and reissuance, or modification of this Permit and/or formal enforcement action. This Permit will be reviewed periodically to determine whether action under 40 CFR 144.36(a) is required.

This Permit is issued for the life of the well or wells unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for this program is delegated to an Indian Tribe or a State. Upon the effective date of delegation, all reports, notifications, questions and other compliance actions shall be directed to the Indian tribe or State Program Director or designee.

Issue Date: SEP 25 2006

Effective Date SEP 25 2006



for Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
 - (i) on the injection tubing; and
 - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate can be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. A current copy of Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit), and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Injection operation may commence only after all construction and pre-injection requirements herein have been met and approved. Except for new wells authorized by an Area Permit under 40 CFR 144.33 (c), the Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
 - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
 - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injected or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permittee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

- (a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which prevents the movement of fluids into or between underground sources of drinking water. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director. The well shall be plugged in accordance with the approved plugging and abandonment plan and with 40 CFR 146.10.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abandonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and

- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

- (a) **Planned changes.** The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) **Anticipated noncompliance.** The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) **Monitoring Reports.** Monitoring results shall be reported at the intervals specified in this Permit.
- (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) **Twenty-four hour reporting.** The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
 - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
 - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurrence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website <http://www.nrc.uscg.mil/index.htm>.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

- (c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Lone Tree No. 15-16-9-17 was drilled to a total depth of 5728 (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 300 feet in a 12-1/4 inch hole using 145 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5645.04 feet (KB) in a 7-7/8 inch hole with 300 sacks of Premium Lite II and 400 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDW's.

The EPA calculates the top of cement as 1136 feet from the surface.

The schematic diagram shows the proposed current injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3385 feet and the top of the Wasatch Formation (Estimated to be 5728 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be required to be set no higher than 100 feet above the top perforation.

Lone Tree #15-16-9-17

Spud Date: 2/7/01

Put on Production: 4/9/04

GL: 5316' KB: 5328'

Initial Production: 63 BOPD,
945 MCFD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (291.76')

DEPTH LANDED: 300.76'

HOLE SIZE: 12-1/4"

CEMENT DATA: 145 sxs class G crnt, est 6 bbbs crnt. to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 129 jts (5647')

DEPTH LANDED: 5645.04'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ

CEMENT TOP AT: 750'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 144 jts (4745.11')

TUBING ANCHOR: 4772.44' KB

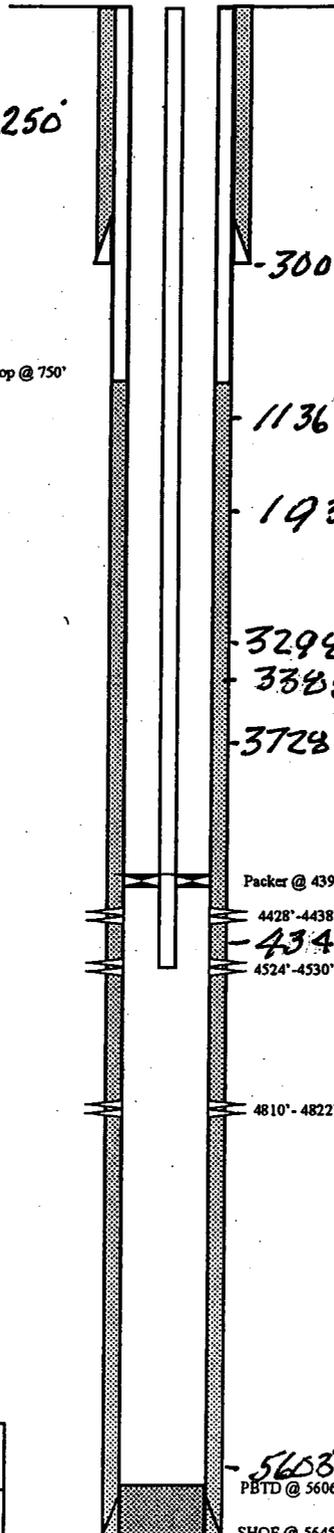
NO. OF JOINTS: 1 jt (33.04')

SN LANDED AT: 4806.58' KB

NO. OF JOINTS: 2 jts (66.10')

TOTAL STRING LENGTH: 4872.68'

Proposed Injection Wellbore Diagram



FRAC JOB

Date	Interval	Description
04/06/04	4810'-4822'	Frac A3 sands as follows: 54,105# 20/40 sand in 455 bbbs Lightning 17 frac fluid. Treated @ avg pressure of 1700psi w/avg rate of 24.4 BPM. ISIP-1850. Calc. flush: 4808 gals. Actual flush: 4805 gals.
04/06/04	4524'-4530'	Frac C sands as follows: 19,991# 20/40 sand in 240 bbbs Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.6 BPM. ISIP-2070. Calc. flush: 4522 gals. Actual flush: 4519 gals.
04/06/04	4428'-4438'	Frac D2 sands as follows: 45,537# 20/40 sand in 397 bbbs Lightning 17 frac fluid. Treated @ avg pressure of 2000 psi w/avg rate of 24.6 BPM. ISIP-2030. Calc. flush: 4426 gals. Actual flush: 4326 gals.

PERFORATION RECORD

Date	Interval	Tool	Holes
04/02/04	4810'-4822'	4 JSPF	48 holes
04/06/04	4524'-4530'	4 JSPF	24 holes
04/06/04	4428'-4438'	4 JSPF	40 holes

NEWFIELD

Lone Tree #15-16-9-17

575' FSL & 1929' FEL

SWSE Section 16-T9S-R17E

Duchesne County, Utah

API #43-013-32089; Lease

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: Lone Tree 15-16-9-17	
TYPE OF TEST	DATE DUE
Step Rate Test	Within 180 days after commencement of injection.
Radioactive Tracer Survey (2)	Within a 180-days period after commencement of injection and at least once every five (5) years thereafter.
Standard Annulus Pressure	Prior to authorization to inject and at least once every five (5) years thereafter.
Pore Pressure	Prior to authorization to inject.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi)	
	ZONE 1 (Upper)	
Lone Tree 15-16-9-17	1,700	

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Lone Tree 15-16-9-17	APPROVED INJECTION INTERVAL (KB, ft)		FRACTURE GRADIENT (psi/ft)
	TOP	BOTTOM	
	FORMATION NAME	Green River	
	3,385.00	5,728.00	

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and averaged annulus pressure(s) (psig)
	Each month's averaged injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

Newfield Production Company
1401 Seventeenth Street - Suite 1000
Denver, CO 80202

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

All cement plugs will be set with tubing.

9.2 ppg plugging gel, or fresh water weighted with bentonite or treated brine will be placed between all cement plugs.

The following Plugging and Abandonment Plan, as proposed by the permittee, is predicated on the permittee not revising the injection perforations cited on the schematic diagram of well construction/conversion. Should the uppermost perforations (4417 feet to 4422 feet) be modified in construction, the EPA will modify the P&A Plan accordingly.

PLUG NO. 1: A Cast Iron Bridge Plug (CIBP) at 4333 feet with 100 feet of Class "G" cement on CIBP.

PLUG NO. 2: A 300-foot Class "G" cement plug from 1900 feet to 2200 feet. This plug will cover both a water zone and the top of the Green River Formation.

PLUG NO. 3: Perforate 351 feet with 4 JSPF. Circulate Class "G" cement down the 5-1/2 inch casing and up the 5-1/2 inch X 8-5/8 inch annulus to the surface.

Lone Tree #15-16-9-17

Spud Date: 2/7/01
 Put on Production: 4/9/04
 GL: 5316' KB: 5328'

Initial Production: 63 BOPD,
 945 MCFD, 3 BWPD

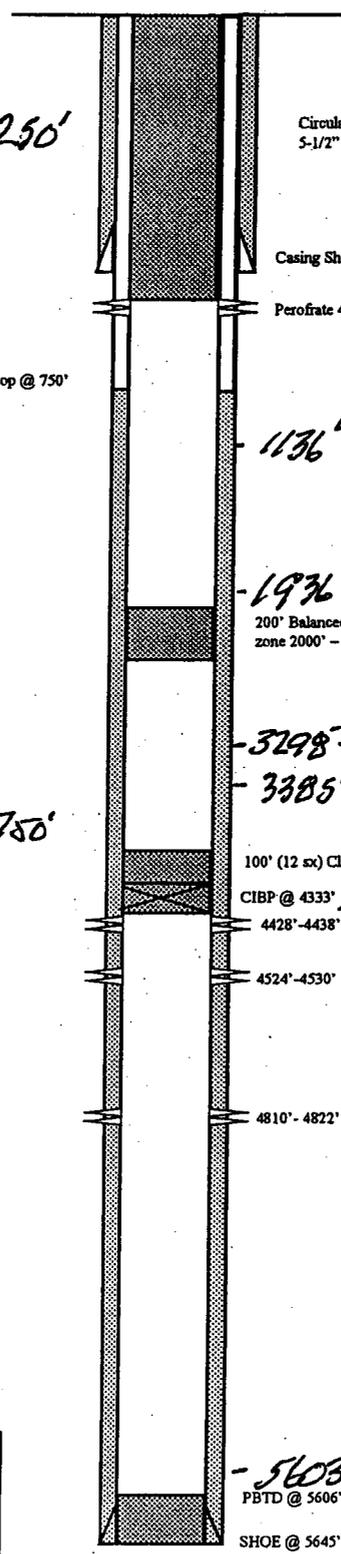
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (291.76') *Base USOW @ 250'*
 DEPTH LANDED: 300.78'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 145 sxs class G cmt, est 6 bbls cmt. to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 129 jts. (5647')
 DEPTH LANDED: 5645.04'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ
 CEMENT TOP AT: 750'



Circulate 110 sx Class G Cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus.

Casing Shoe @ 301'

Perforate 4 JSPF @ 351'

Cement top @ 750'

- 1136' TOC/EPA

- 1936' Green River
 200' Balanced Plug (25 sx) Class G Cement over water zone 2000' - 2200'

- 3298' - 3385' Confining Zone
- 3385' Garden Gulch

80% Bond 3728' - 3750'

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4333'
 4428' - 4438' *- 4346' Douglas Creek*

4524' - 4530'

4810' - 4822'

- 5603' Basal Carbonate
 PBTB @ 5606'

SHOE @ 5645'

TD @ 5672'

- 5728' Est. WDAE

<p>Lone Tree #15-16-9-17 575' FSL & 1929' FEL SWSE Section 16-T9S-R17E Duchesne County, Utah API #43-013-32089; Lease</p>

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY

**LONE TREE 15-16-9-17
DUCHESNE COUNTY, UT**

EPA PERMIT NO. UT21004-06859

CONTACT: Emmett Schmitz
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
999 18th Street, Suite 300
Denver, Colorado 80202-2466
Telephone: 1-800-227-8917 ext. 6174

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OCT 02 2006
DIV. OF OIL, GAS & MINING**

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

UIC Permits specify the conditions and requirements for construction, operation, monitoring and reporting, and plugging of injection wells to prevent the movement of fluids into underground sources of drinking water (USDWs). Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the conversion and operation of a "new" injection well or wells governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

on

June 23, 2005

submitted an application for an Underground Injection Control (UIC) Program Permit for the following injection well or wells:

Lone Tree 15-16-9-17
575' FSL & 1929' FEL, SWSE S16, T9S, R17E
DUCHESNE County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The Permit application, including the required information and data necessary to issue a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed by EPA and determined to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

The Lone Tree No. 15-16-9-17 is currently an active Green River Formation oil well producing through perforations located in the Garden Gulch and Douglas Creek Members of the Green River Formation. The applicant intends to use the same perforations for enhanced recovery injection.

CONVERSION WELLS		
Well Name	Well Status	Date of Operation
Lone Tree 15-16-9-17	Conversion	N/A

Hydrogeologic Setting

The proposed injection well is located in the Newfield Production Company Greater Monument Butte area near the center of the broad, gently northward dipping south flank of the Uinta Basin. The beds dip at about 200'/mile, and there are no known surface folds or faults in the field. The lower 600' to 800' of the Uinta Formation, generally consisting of 5' to 20' thick brown lenticular fluvial sandstone and interbedded varicolored shales, outcrops at the surface in this area. The Uinta is underlain by the Green River Formation which consists of lake (lacustrine) margin sandstones, limestone and shale beds that were deposited along the edges and on the broad level floor of Lake Uinta as it expanded and contracted through time. Underlying the Green River Formation is the Wasatch Formation, which is approximately 2400' thick in this area and consists of red alluvial shales and siltstone with scattered lenticular sandstones usually 10' to 50' thick. Below the Wasatch Formation is the Mesaverde Formation; a series of interbedded continental deposits of shale, sandstone, and coal. Water samples from Mesaverde sands in the nearby Natural Buttes Unit yield highly saline water.

The Uinta Basin is a topographic and structural trough encompassing an area of more than 9300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by ancestral Lake Uinta. Deposition in and around Lake Uinta consisted of open- to marginal-lacustrine sediments that make up the Green River Formation. Alluvial red-bed deposits that are laterally equivalent to and intertongue with the Green River make up the Colton Formation (Wasatch). More than 450 million barrels of oil (63 MT) have been produced from the Green River and Wasatch Formations in the Uinta Basin. The southern shore of Lake Uinta was very broad and flat, which allowed large transgressive and regressive shifts in the shoreline in response to climatic and tectonic-induced rise and fall of the lake. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked deltaic deposits. Distributary-mouth bars, distributary channels, and near-shore bars are the primary producing sandstone reservoirs in the area (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report 4/1/99 - 9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103). The Tertiary Duchesne River Formation alluvium generally is present at the surface in this area.

Throughout the current Newfield Production Company area of enhanced recovery injection activity, i.e., T8-9S - R15-19E, Green River Formation water analyses generally exhibit total dissolved (TDS) content well in excess of 10,000 mg/l. A few recent applications for well conversion to enhanced recovery injection contain Green River water analyses with TDS approximating 10,000 mg/l. The State of Utah-Natural Resources ascribes low TDS values to several possibilities involving dilution of Green River water with high TDS values, e.g., recharge of the Green River Formation via Green River Formation outcrop on the Book Cliffs/Roan Cliffs; injection of very low TDS Johnson Water District Reservoir source water; and percolation of surface water via deep-seated Gilsonite veins penetrating lower Green River Members.

Geologic Setting (TABLE 2.1)

**TABLE 2.1
GEOLOGIC SETTING
Lone Tree 15-16-9-17**

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0.00	1,936.00	< 10,000.00	Predominantly fluvial sand and shale with interbedded lacustrine carbonate.

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by the confining zone which is free of known open faults or fractures within the Area of Review.

The approved injection interval for enhanced recovery injection is the gross interval between the top of the Garden Gulch Member at 3385 feet to the top of the Wasatch Formation which is estimated to be 5728 feet.

**TABLE 2.2
INJECTION ZONES
Lone Tree 15-16-9-17**

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,385.00	5,728.00	17,096.00	0.820		N/A

- * C - Currently Exempted
- E - Previously Exempted
- P - Proposed Exemption
- N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The shale Confining Zone overlies the top of the Garden Gulch Member between the depths of 3298 feet to 3385 feet

TABLE 2.3
CONFINING ZONES
Lone Tree 15-16-9-17

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale	3,298.00	3,385.00

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

The State of Utah "Water Wells and Springs", <http://NRWRT1.STATE.UT.US>, identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Lone Tree No. 15-16-19-17.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation, approximately 250 feet from the surface.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Lone Tree 15-16-9-17

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta	Predominantly fluvial sand and shale.	0.00	250.00	< 10,000.00

PART III. Well Construction (40 CFR 146.22)

The Lone Tree No. 15-16-9-17 was drilled to a total depth of 5728 (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 300 feet in a 12-1/4 inch hole using 145 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5645.04 feet (KB) in a 7-7/8 inch hole with 300 sacks of Premium Lite II and 400 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 1136 feet from the surface.

The schematic diagram shows the proposed current injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3385 feet and the top of the Wasatch Formation (Estimated to be 5728 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be required to be set no higher than 100 feet above the top perforation.

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Lone Tree 15-16-9-17

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.88	5.50	0.00 - 5,645.04	0.00 - 5,672.00
Surface	12.25	8.63	0.00 - 300.76	0.00 - 300.00

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under the conditions of the Permit.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment allowing for monitoring pressures and providing access for sampling the injected fluid. This equipment includes: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) pressure gauges attached to the injection tubing and the TCA to monitor the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1 AOR AND CORRECTIVE ACTION					
Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Beluga No. 14-16-9-17	Producer	No	5,660.00	800.00	No
Lone Tree No. 10-16-9-17	Producer	No	5,665.00	1,128.00	No
Lone Tree No. 16-16-9-17	Producer	No	5,685.00	825.00	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

PART V. Well Operation Requirements (40 CFR 146.23)

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	4,428.00	0.820	1,700

Approved Injection Fluid

The approved injection fluid is limited to fluids which meet requirements pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are not approved.

The proposed injectate is a blend of source water from the Johnson Water District reservoir and produced water from adjacent wells. The TDS of the injectate is 9686 mg/l.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit,

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

- FP = formation fracture pressure (measured at surface)
- fg = fracture gradient (from submitted data or tests)
- sg = specific gravity (of injected fluid)
- d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative volume of the authorized fluid which will be injected into the authorized injection interval.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, which ever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

PART II MI: - The CBL indicates that cement does not meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% bond, or better) through the confining zone. Therefore, further testing for Part II MI will be required prior to injection and at least once every five years thereafter. The demonstration shall be by temperature survey or other approved test. Approved tests for demonstrating Part II MI include a temperature survey, noise log or oxygen activation log, and Region 8 may also accept results of a radioactive tracer survey under certain circumstances.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well or wells must be plugged with cement in a manner which will not allow the movement of fluids either into or between USDWs. The plugging and abandonment plan is described in Appendix E of the Permit.

All cement plugs will be set with tubing.

9.2 ppg plugging gel, or fresh water weighted with bentonite or treated brine will be placed between all cement plugs.

The following Plugging and Abandonment Plan, as proposed by the permittee, is predicated on the permittee not revising the injection perforations cited on the schematic diagram of well construction/conversion. Should the uppermost perforations (4417 feet to 4422 feet) be modified in construction, the EPA will modify the P&A Plan accordingly.

PLUG NO. 1: A Cast Iron Bridge Plug (CIBP) at 4333 feet with 100 feet of Class "G" cement on CIBP.

PLUG NO. 2: A 300-foot Class "G" cement plug from 1900 feet to 2200 feet. This plug will cover both a water zone and the top of the Green River Formation.

PLUG NO. 3: Perforate 351 feet with JSPF. Circulate Class "G" cement down the 5-1/2 inch casing and up the 5-1/2 inch X 8-5/8 inch annulus to the surface.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

FINANCIAL RESPONSIBILITY DEMONSTRATION: On July 12, 2006, the EPA approved the Newfield Production Company Financial Statement. The EPA also approved the \$33,500 estimate to plug and abandon this facility.

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-3453-B

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, recenter 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:
LONE TREE UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
LONE TREE 15-16-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332089

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 575 FSL 1929 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 16, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/05/2009	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 3/9/09 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 3/10/09. On 3/10/09 the csg was pressured up to 1060 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20853-06859

API# 43-013-32089

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

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE *Callie Ross*

DATE 03/12/2009

(This space for State use only)

RECEIVED

MAR 19 2009

DIV. OF OIL, GAS & MINING

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: 3/10/09
 Test conducted by: Trefacy J. Raza
 Others present: _____

Well Name: <u>Lone Tree 15-16-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW 1/4</u> Sec: <u>16</u> T <u>9</u> N (S) R <u>17</u> (E) W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1/1</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: 2 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>2</u> psig	psig	psig
End of test pressure	<u>2</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1060</u> psig	psig	psig
5 minutes	<u>1060</u> psig	psig	psig
10 minutes	<u>1060</u> psig	psig	psig
15 minutes	<u>1060</u> psig	psig	psig
20 minutes	<u>1060</u> psig	psig	psig
25 minutes	<u>1060</u> psig	psig	psig
30 minutes	<u>1060</u> psig	psig	psig
_____ minutes	<u>—</u> psig	psig	psig
_____ minutes	<u>—</u> 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: _____

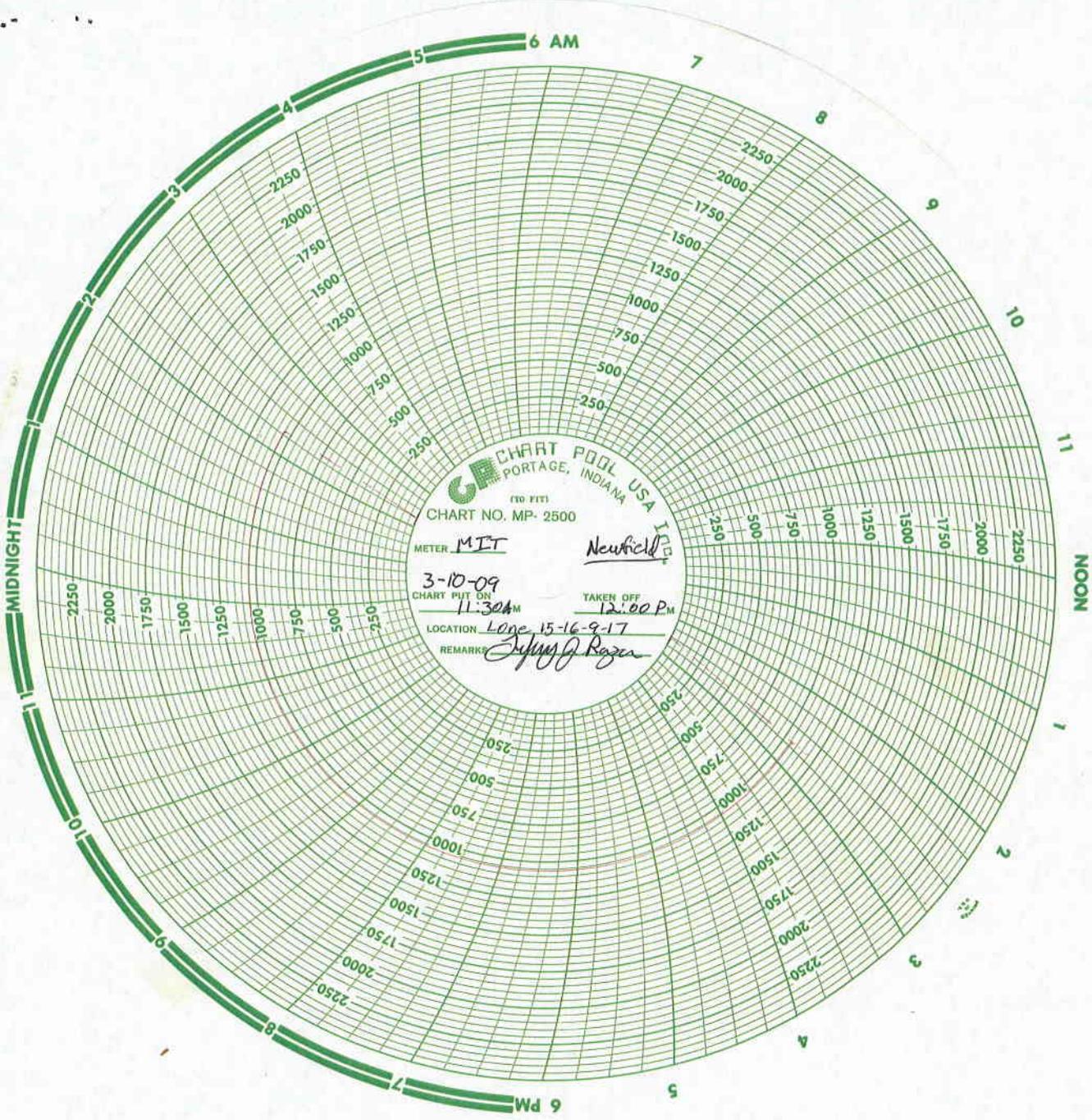


CHART POOL USA LTD
PORTAGE, INDIANA
170 FT
CHART NO. MP- 2500

METER MIT Newfield

CHART PUT ON 3-10-09 TAKEN OFF 12:00 PM
11:30 AM

LOCATION Long 15-16-9-17
REMARKS John J. Rogan

LONETREE 15-16-9-17**1/1/2009 To 5/30/2009****3/5/2009 Day: 1****Conversion**

Nabors #1111 on 3/4/2009 - MIRU Nabors #1111. Hot oiler had pumped 60 BW down csg @ 250°. RD pumping unit. Attempt to unseat pump w/o success. Pump 60 BW down csg @ 250°. Attempt to unseat pump w/o success. Pump additional 90 BW down csg @ 250°. Unseat rod pump. Flush tbg & rods w/ 30 BW @ 250°. Soft seat rods & pump. Fill tbg & pressure test tbg to 3000 psi. Unseat rod pump. SWIFN.

3/6/2009 Day: 2**Conversion**

Nabors #1111 on 3/5/2009 - LD rods as follows: 1 1/2" X 22' polished rod, 1- 2',4' X 3/4" pony rods, 99- 3/4" guided rods, 76- 3/4" plain rods, 10- 3/4" guided, 1 1/2" weight rods, 2 1/2" X 1 1/2" 16' RHAC rod pump. X-over for tbg. ND wellhead. NU BOPs. RU rig floor. Release TA. TOOH w/ tbg as follows (breaking collars, applying Liquid O-ring to threads & tallying): 144- jts 2 7/8" J-55 tbg, TA, 1- jt 2 7/8" tbg, SN, 2- jts 2 7/8" tbg & 2 7/8" NC. LD 14- jts tbg. SWIFN.

3/7/2009 Day: 3**Conversion**

Nabors #1111 on 3/6/2009 - TIH w/ injection tbg string as follows: Arrowset 1-X packer, SN & 133- jts 2 7/8" J-55 6.5# tbg. Flush tbg w/ 30 BW. Drop standing valve down tbg. Fill tbg & pressure test tbg to 3000 psi. Held pressure test for 30 minutes w/ 0 psi loss. RU sandline. RIH w/ fishing tool on sandline & retrieve standing valve. RD rig floor. ND wellhead. ND BOPs. Pump 60 bbls packer fluid down tbg-csg annulus. Set Arrowset 1-X packer w/ CE @ 4398' & EOT @ 4402' w/ 15,000# tension. NU wellhead. Fill annulus w/ packer fluid. Pressure annulus to 1400 psi. Held pressure test for 30 minutes w/ 0 psi loss. RDMOSU.

3/11/2009 Day: 4**Conversion**

Rigless on 3/10/2009 - On 3/9/09 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well (Lone Tree 15-16-9-17). Permission was given at that time to perform the test on 3/10/09. On 3/10/09 the csg was pressured up to 1060 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20853-06859 API# 43-013-32089



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

DEC 02 2009

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, UT 84052

RECEIVED

DEC 09 2009

DIV. OF OIL, GAS & MINING

RE: 180-Day Limited Authorization to Inject
Correction of Permit Number
EPA UIC Permit UT20853-06859
Lone Tree No. 15-16-9-17
SW SE Sec. 16-T9S-R17E
Duchesne County, Utah
API No.: 43-013-32089

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

Dear Mr. Guinn:

The Newfield Production Company (Newfield) letter with attached information was received by the Environmental Protection Agency (EPA) Region 8 on November 12, 2009. The submittal satisfactorily completed the Prior to Commencing Injection requirements for Class II Underground Injection Control Permit UT20853-06859, effective September 25, 2006. Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA on November 18, 2009.

As of the date of this letter, Newfield is authorized to commence injection into Lone Tree No. 15-16-9-17 at a maximum allowable injection pressure (MAIP) of 1,700 psig for a limited period of time.

Because the cement bond log for Lone Tree No. 15-16-9-17 does not show a sufficient interval of 80% or greater cement bond index through the confining zone, a Radioactive Tracer Survey (RTS) is required to demonstrate no significant upward migration of injection fluids behind the casing from the injection zone within a 180-day period from the date that injection begins. It is intended that this 180-day period will allow the injection zone pressure to elevate prior to executing the RTS, which is necessary because it may be under pressured from previous oil production, and this test relies on elevated formation pressure.

Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. Please note that the maximum pressure used during the RTS may become the new MAIP because no significant upward migration of injection fluids behind the casing was demonstrated at that pressure. Therefore, it may be advantageous to run a Step Rate Test prior to conducting the RTS. Should Newfield apply for an increase to the MAIP at a later date, an RTS must also be conducted at that time.

This letter also corrects the Permit number for Lone Tree Federal 15-16-9-17 from the EPA Inventory number UT21004-06859 to **UT20853-06859**. Lone Tree No 15-16-9-17 is located in the Lone Tree Area Permit. When the enhanced recovery injection Permit application for Lone Tree No. 15-16-9-17 was received by EPA the application was incorrectly processed as an individual well. Your records are correct identifying the Permit as UT20853-06859.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20853-06859.

If you have questions regarding the above action, please call Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174. Results from the RTS should be mailed directly to the attention of Sarah Bahrman, at the letterhead address citing Mail Code: 8P-W-GW very prominently.

Sincerely,



for Stephen S. Tuber

Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Irene Cuch, Vice-Chairwoman
Ronald Groves, Councilman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard, Superintendent
Uintah & Ouray Indian Agency
Bureau of Indian Affairs

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-3453-B

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
LONE TREE 15-16-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332089

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 575 FSL 1929 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 16, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>01/12/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Change status put well on injection.
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above reference well was put on injection at 10:00 AM on 1-12-2010.

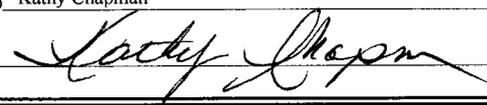
UT 21004-06859

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Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JAN 19 2010
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE 

DATE 01/14/2010

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 page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTAH STATE ML-3453-B
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or GMBU
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 575 FSL 1929 FEL SWSE Section 16 T9S R17E		8. Well Name and No. LONE TREE 15-16-9-17
		9. API Well No. 4301332089
		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 checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<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	Change status put well on injection.
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

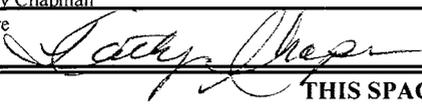
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical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

The above reference well was put on injection at 10:00 AM on 1-12-2010.

UT 21004-06859

RECEIVED
JAN 19 2010

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Kathy Chapman	Title Office Manager
Signature 	Date 01/14/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
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.		
Office _____		

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-3453-B

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER WT

8. WELL NAME and NUMBER:
LONE TREE 15-16-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332089

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 575 FSL 1929 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 16, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>06/07/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on June 7, 2010. Results from the test indicate that the fracture gradient is 0.838 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1700 psi to 1760 psi.

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

Lucy Chavez-Naupoto

DATE 06/10/2010

(This space for State use only)

RECEIVED

JUN 15 2010

DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 06/07/2010

Operator: Newfield Production Company
 Well: Lone Tree 15-16-9-17
 Permit #: UT21004-06859

Enter the following data :

Specific Gravity (sg) of injectate = 1.015 g/cc

Depth to top perforation (D) = 4428 feet 4428

Top of permitted injection zone depth (blank=use top perforation to calculate fg) = _____ feet

Estimated Formation Parting Pressure (Pfp) from SRT chart = 1795 psi

Instantaneous Shut In Pressure (ISIP) from SRT = 1766 psi 1795

Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = _____ psi no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.838 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1766

D = depth used = 4428 Pbhp used = 3712

Calculated Bottom Hole Parting Pressure (Pbhp) = 3712 psi

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1766

3712.084

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

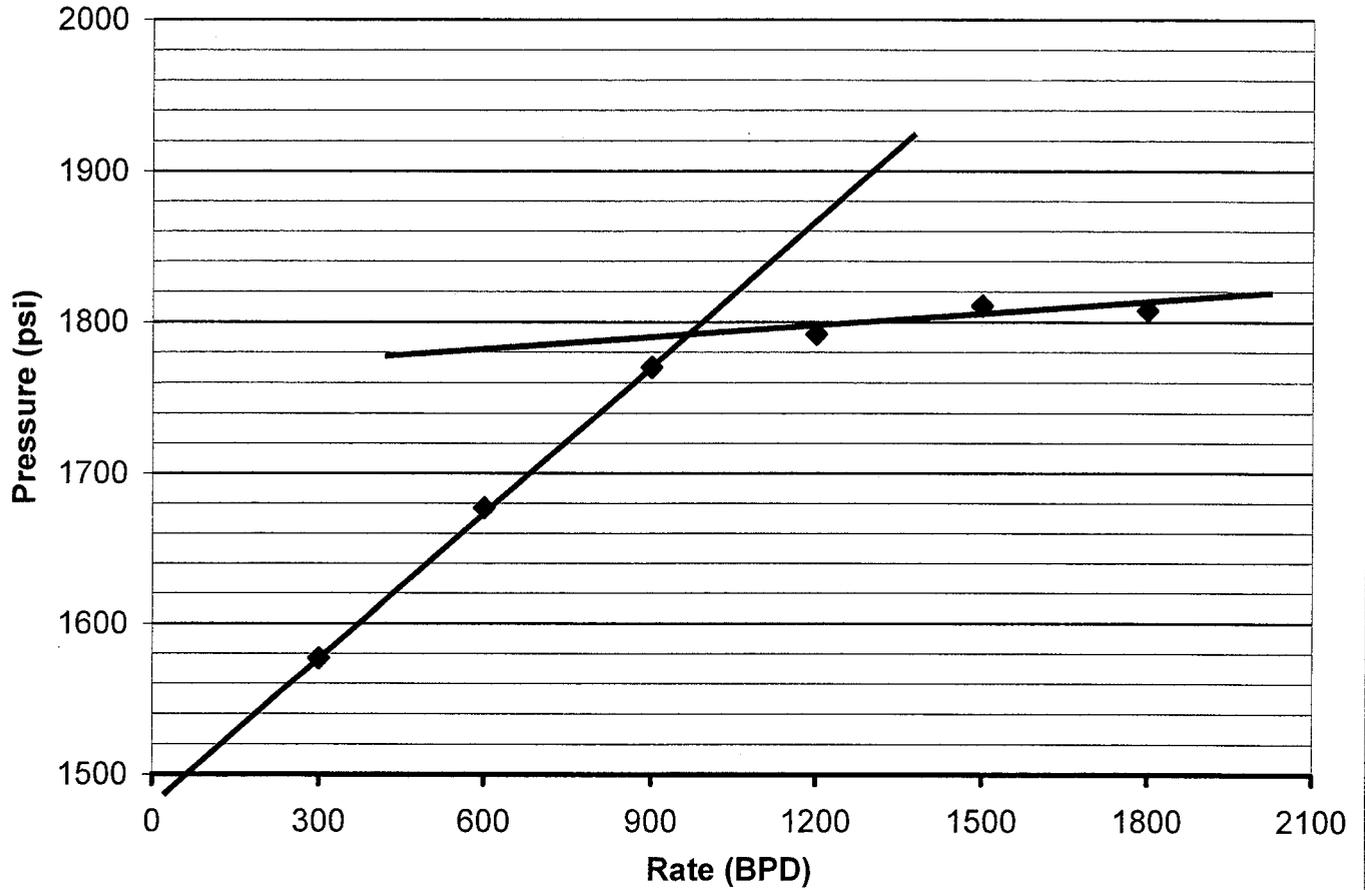
Maximum Allowable Injection Pressure (MAIP) = 1760 psig

D = depth used = 4428

MAIP = [fg * (0.433 * SG) * D] = 1764.580

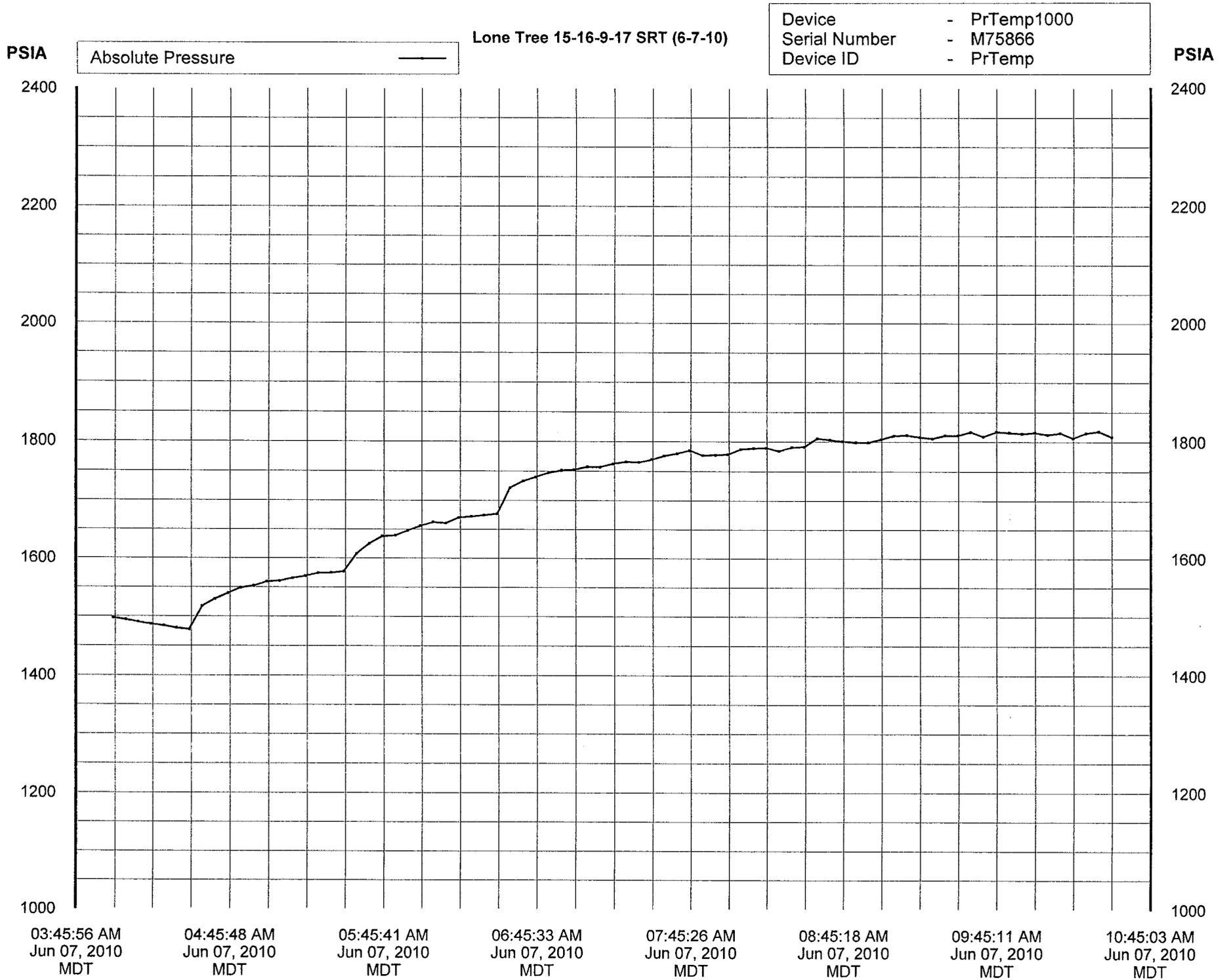
(rounded down to nearest 5 psig)

**Lone Tree 15-16-9-17
Greater Monument Butte Unit
Step Rate Test
June 7, 2010**



Start Pressure: 1477 psi
Instantaneous Shut In Pressure (ISIP): 1766 psi
Top Perforation: 4428 feet
Fracture pressure (Pfp): 1795 psi
FG: 0.845 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	300	1577
2	600	1677
3	900	1770
4	1200	1792
5	1500	1811
6	1800	1808



Report Name: PrTemp1000 Data Table
 Report Date: Jun 07, 2010 01:18:11 PM MDT
 File Name: C:\Program Files\PTC@ Instruments 2.00\Lone Tree 15-16-9-17 SRT (6-7-10).csv
 Title: Lone Tree 15-16-9-17 SRT (6-7-10)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Jun 07, 2010 04:00:00 AM MDT
 Data End Date: Jun 07, 2010 10:30:01 AM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 79 of 79
 Last Calibration Date: May 22, 2009
 Next Calibration Date: May 22, 2010

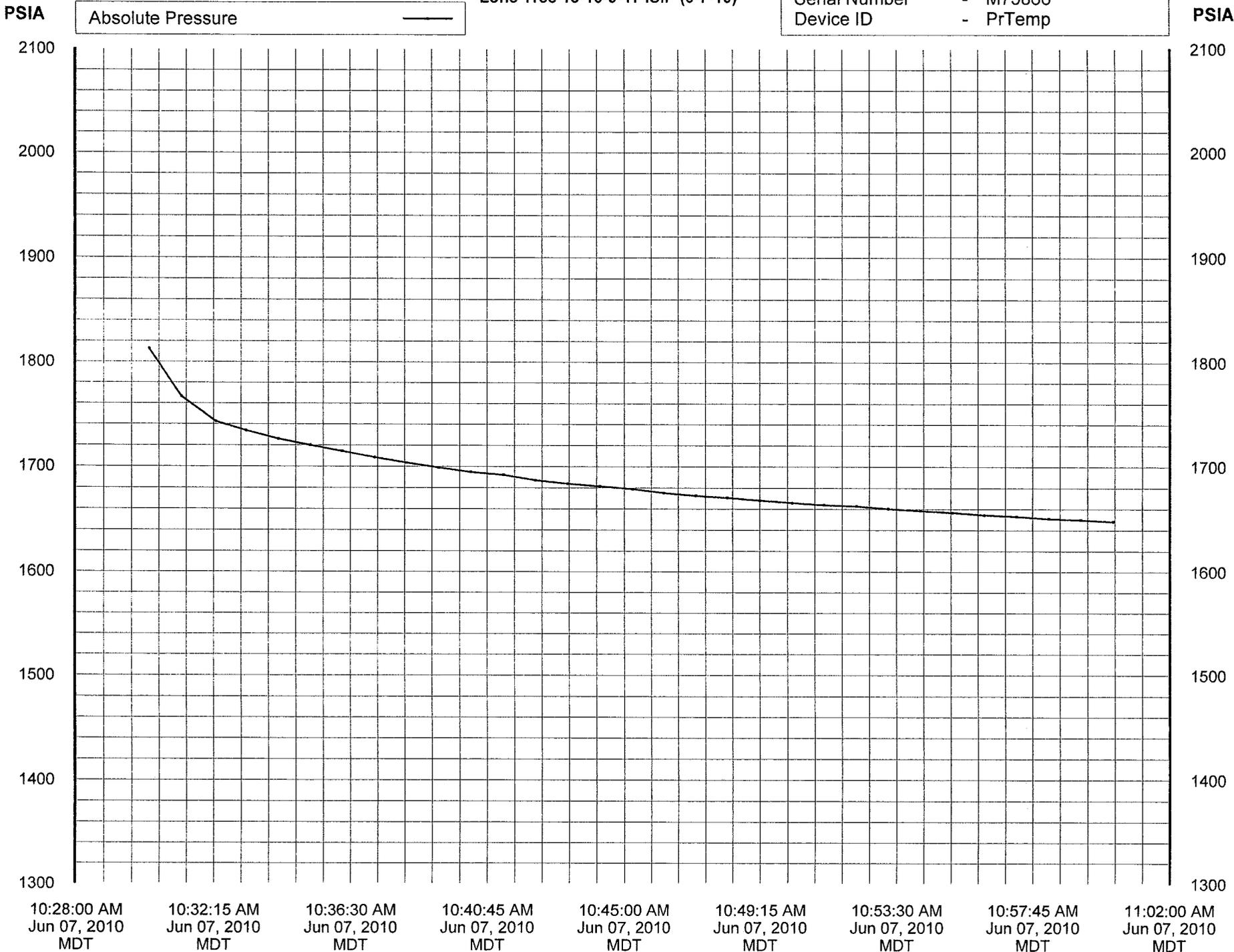
<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Jun 07, 2010 04:00:00 AM	1496.800	PSIA
2	Jun 07, 2010 04:05:00 AM	1493.800	PSIA
3	Jun 07, 2010 04:10:00 AM	1489.800	PSIA
4	Jun 07, 2010 04:15:00 AM	1486.200	PSIA
5	Jun 07, 2010 04:20:01 AM	1483.400	PSIA
6	Jun 07, 2010 04:25:00 AM	1479.600	PSIA
7	Jun 07, 2010 04:30:01 AM	1477.200	PSIA
8	Jun 07, 2010 04:35:00 AM	1517.000	PSIA
9	Jun 07, 2010 04:40:00 AM	1529.400	PSIA
10	Jun 07, 2010 04:45:00 AM	1539.400	PSIA
11	Jun 07, 2010 04:50:00 AM	1548.600	PSIA
12	Jun 07, 2010 04:55:00 AM	1552.000	PSIA
13	Jun 07, 2010 05:00:00 AM	1559.200	PSIA
14	Jun 07, 2010 05:05:01 AM	1560.400	PSIA
15	Jun 07, 2010 05:10:00 AM	1565.200	PSIA
16	Jun 07, 2010 05:15:01 AM	1568.800	PSIA
17	Jun 07, 2010 05:20:00 AM	1574.200	PSIA
18	Jun 07, 2010 05:25:01 AM	1574.600	PSIA
19	Jun 07, 2010 05:30:00 AM	1576.800	PSIA
20	Jun 07, 2010 05:35:00 AM	1607.200	PSIA
21	Jun 07, 2010 05:40:00 AM	1625.000	PSIA
22	Jun 07, 2010 05:45:00 AM	1637.800	PSIA
23	Jun 07, 2010 05:50:01 AM	1639.200	PSIA
24	Jun 07, 2010 05:55:00 AM	1647.600	PSIA
25	Jun 07, 2010 06:00:01 AM	1655.600	PSIA
26	Jun 07, 2010 06:05:00 AM	1662.000	PSIA
27	Jun 07, 2010 06:10:01 AM	1660.400	PSIA
28	Jun 07, 2010 06:15:00 AM	1670.200	PSIA
29	Jun 07, 2010 06:20:00 AM	1672.200	PSIA
30	Jun 07, 2010 06:25:00 AM	1674.400	PSIA
31	Jun 07, 2010 06:30:00 AM	1677.000	PSIA
32	Jun 07, 2010 06:35:01 AM	1721.200	PSIA
33	Jun 07, 2010 06:40:06 AM	1733.000	PSIA
34	Jun 07, 2010 06:45:01 AM	1739.800	PSIA
35	Jun 07, 2010 06:50:00 AM	1747.200	PSIA
36	Jun 07, 2010 06:55:01 AM	1751.000	PSIA
37	Jun 07, 2010 07:00:00 AM	1752.200	PSIA
38	Jun 07, 2010 07:05:00 AM	1756.800	PSIA
39	Jun 07, 2010 07:10:00 AM	1756.600	PSIA
40	Jun 07, 2010 07:15:01 AM	1762.200	PSIA
41	Jun 07, 2010 07:20:01 AM	1765.600	PSIA
42	Jun 07, 2010 07:25:00 AM	1764.600	PSIA
43	Jun 07, 2010 07:30:01 AM	1769.600	PSIA
44	Jun 07, 2010 07:35:00 AM	1775.800	PSIA
45	Jun 07, 2010 07:40:01 AM	1779.800	PSIA
46	Jun 07, 2010 07:45:00 AM	1785.200	PSIA
47	Jun 07, 2010 07:50:00 AM	1776.800	PSIA
48	Jun 07, 2010 07:55:00 AM	1777.200	PSIA
49	Jun 07, 2010 08:00:00 AM	1778.600	PSIA
50	Jun 07, 2010 08:05:01 AM	1787.200	PSIA
51	Jun 07, 2010 08:10:00 AM	1788.800	PSIA
52	Jun 07, 2010 08:15:01 AM	1789.800	PSIA
53	Jun 07, 2010 08:20:00 AM	1784.200	PSIA
54	Jun 07, 2010 08:25:01 AM	1790.600	PSIA
55	Jun 07, 2010 08:30:00 AM	1791.600	PSIA
56	Jun 07, 2010 08:35:00 AM	1805.600	PSIA
57	Jun 07, 2010 08:40:00 AM	1803.200	PSIA
58	Jun 07, 2010 08:45:00 AM	1800.800	PSIA
59	Jun 07, 2010 08:50:01 AM	1799.000	PSIA
60	Jun 07, 2010 08:55:00 AM	1799.000	PSIA

61	Jun 07, 2010 09:00:01 AM	1804.000	PSIA
62	Jun 07, 2010 09:05:00 AM	1810.200	PSIA
63	Jun 07, 2010 09:10:01 AM	1811.000	PSIA
64	Jun 07, 2010 09:15:00 AM	1807.800	PSIA
65	Jun 07, 2010 09:20:00 AM	1805.600	PSIA
66	Jun 07, 2010 09:25:00 AM	1810.800	PSIA
67	Jun 07, 2010 09:30:00 AM	1810.800	PSIA
68	Jun 07, 2010 09:35:01 AM	1816.600	PSIA
69	Jun 07, 2010 09:40:00 AM	1809.000	PSIA
70	Jun 07, 2010 09:45:01 AM	1817.200	PSIA
71	Jun 07, 2010 09:50:00 AM	1815.600	PSIA
72	Jun 07, 2010 09:55:01 AM	1813.800	PSIA
73	Jun 07, 2010 10:00:00 AM	1815.600	PSIA
74	Jun 07, 2010 10:05:00 AM	1812.000	PSIA
75	Jun 07, 2010 10:10:00 AM	1815.000	PSIA
76	Jun 07, 2010 10:15:00 AM	1806.200	PSIA
77	Jun 07, 2010 10:20:01 AM	1814.800	PSIA
78	Jun 07, 2010 10:25:00 AM	1817.600	PSIA
79	Jun 07, 2010 10:30:01 AM	1808.400	PSIA

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

Lone Tree 15-16-9-17 ISIP (6-7-10)

Absolute Pressure



Report Name: PrTemp1000 Data Table
 Report Date: Jun 07, 2010 01:18:01 PM MDT
 File Name: C:\Program Files\PTC\Instruments 2.00\Lone Tree 15-16-9-17 ISIP (6-7-10).csv
 Title: Lone Tree 15-16-9-17 ISIP (6-7-10)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Jun 07, 2010 10:30:15 AM MDT
 Data End Date: Jun 07, 2010 11:00:15 AM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 31 of 31
 Last Calibration Date: May 22, 2009
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Jun 07, 2010 10:30:15 AM	1812.400	PSIA
2	Jun 07, 2010 10:31:15 AM	1766.400	PSIA
3	Jun 07, 2010 10:32:19 AM	1742.400	PSIA
4	Jun 07, 2010 10:33:15 AM	1733.800	PSIA
5	Jun 07, 2010 10:34:15 AM	1725.800	PSIA
6	Jun 07, 2010 10:35:14 AM	1720.000	PSIA
7	Jun 07, 2010 10:36:15 AM	1714.200	PSIA
8	Jun 07, 2010 10:37:15 AM	1708.400	PSIA
9	Jun 07, 2010 10:38:15 AM	1703.400	PSIA
10	Jun 07, 2010 10:39:15 AM	1699.000	PSIA
11	Jun 07, 2010 10:40:15 AM	1694.600	PSIA
12	Jun 07, 2010 10:41:15 AM	1692.000	PSIA
13	Jun 07, 2010 10:42:15 AM	1687.000	PSIA
14	Jun 07, 2010 10:43:15 AM	1683.800	PSIA
15	Jun 07, 2010 10:44:15 AM	1681.400	PSIA
16	Jun 07, 2010 10:45:15 AM	1678.800	PSIA
17	Jun 07, 2010 10:46:15 AM	1675.200	PSIA
18	Jun 07, 2010 10:47:15 AM	1672.600	PSIA
19	Jun 07, 2010 10:48:14 AM	1670.800	PSIA
20	Jun 07, 2010 10:49:15 AM	1668.200	PSIA
21	Jun 07, 2010 10:50:15 AM	1666.000	PSIA
22	Jun 07, 2010 10:51:14 AM	1664.000	PSIA
23	Jun 07, 2010 10:52:15 AM	1662.800	PSIA
24	Jun 07, 2010 10:53:15 AM	1660.400	PSIA
25	Jun 07, 2010 10:54:15 AM	1658.600	PSIA
26	Jun 07, 2010 10:55:15 AM	1656.800	PSIA
27	Jun 07, 2010 10:56:15 AM	1654.600	PSIA
28	Jun 07, 2010 10:57:15 AM	1653.200	PSIA
29	Jun 07, 2010 10:58:15 AM	1651.200	PSIA
30	Jun 07, 2010 10:59:15 AM	1650.000	PSIA
31	Jun 07, 2010 11:00:15 AM	1648.400	PSIA

Lone Tree 15-16-9-17 Rate Sheet (6-7-10)

<i>Step # 1</i>	Time:	4:35	4:40	4:45	4:50	4:55	5:00
	Rate:	300.3	300.3	300.3	300.3	300.3	300.2
	Time:	5:05	5:10	5:15	5:20	5:25	5:30
	Rate:	300.2	300.2	300.2	300.1	300.1	300.1
<i>Step # 2</i>	Time:	5:35	5:40	5:45	5:50	5:55	6:00
	Rate:	600.5	600.5	600.4	600.4	600.4	600.4
	Time:	6:05	6:10	6:15	6:20	6:25	6:30
	Rate:	600.3	600.3	600.3	600.3	600.2	600.2
<i>Step # 3</i>	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	900.5	900.5	900.5	900.4	900.4	900.4
	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	900.4	900.4	900.4	900.3	900.3	900.3
<i>Step # 4</i>	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	1200.5	1200.5	1200.5	1200.4	1200.4	1200.3
	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	1200.3	1200.3	1200.1	1200.1	1200	1200
<i>Step # 5</i>	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	1500.4	1500.4	1500.4	1500.4	1500.3	1500.3
	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	1500.3	1500.3	1500.2	1500.2	1500.2	1500.1
<i>Step # 6</i>	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	1800.4	1800.4	1800.4	1800.3	1800.3	1800.2
	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	1800.2	1800.2	1800.1	1800.1	1800.1	1800.1
	Time:						
	Rate:						
	Time:						
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	Rate:						
	Time:						
	Rate:						



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

JUL 06 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

RE: Underground Injection Control (UIC)
Minor Permit Modification
Authorization to Continue Injection
Original EPA UIC Permit No. UT21004-06859
Corrected EPA UIC Permit No. UT20853-06859
Well: Lone Tree 15-16-9-17
SWSE Sec. ~~15~~ T9S-R17E
Duchesne County, UT
API No.: 43-013-32089

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) June 10, 2010, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Lone Tree 15-16-9-17 well. The enclosed Step Rate Test (SRT) and Radioactive Tracer Survey (RTS) results were reviewed and approved by EPA. Therefore, the MAIP for UIC Permit UT20853-06859 is hereby increased to 1,760 psig from the 1,700 psig previously authorized. As a reminder, the permit number for this well was corrected from UT21004-06859 to UT20853-06859 (please refer to the EPA letter to you dated December 2, 2009).

As of the date of this letter, EPA authorizes continued injection into the Lone Tree 15-16-9-17 well under the terms and conditions of UIC Permit UT20853-06859 at the MAIP of 1,760 psig.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and

determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in a request for a higher MAIP, a RTS conducted at the new MAIP is required.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well.

FOR RECORD ONLY

US EPA, Region 8
Attn: Nathan Wisner
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wisner of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Tom Aalto at 303-312-6949 or 800-227-8917 (ext. 312-6949).

Sincerely,



Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Frances Poowegup, Vice-chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

NEWFIELD



February 12, 2014

Ms. Sarah Roberts
US EPA Region 8
8ENF-UFO Deep Well UIC
1595 Wynkoop Street
Denver CO 80202

RE: 5 Year MIT
Well: Lone Tree 15-16-9-17
EPA #: UT22197-06859
API #: 43-013-32089

16 95 17E

Dear Ms. Roberts:

A 5-year MIT was conducted on the subject well on 02/10/2014. Attached are the EPA tabular sheet and a copy of the chart. You may contact me at 435-646-4874 or lchavez-naupoto@newfield.com if you require further information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lucy Chavez-Naupoto', written in a cursive style.

Lucy Chavez-Naupoto
Water Services Technician

Sundry Number: 47963 API Well Number: 43013320890000

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:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: LONE TREE 15-16-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013320890000
3. ADDRESS OF OPERATOR: R1 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0575 FSL 1929 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE 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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion 2/10/2014			
<input type="checkbox"/> SPUD REPORT Date of Spud			
<input type="checkbox"/> DRILLING REPORT Report Date			

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

5 YR MIT performed on the above listed well. On 02/10/2014 the casing was pressured up to 1209 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1550 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-06859

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646 4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/18/2014	

RECEIVED: Feb. 18, 2014

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: 02 / 10 / 14

Test conducted by: Michael Jensen

Others present: _____

Well Name: <u>Lone Tree 15-16-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Greater Monument Butte</u>		
Location: <u>SW/SE</u> Sec: <u>16</u> T <u>9</u> N <u>10</u> R <u>17</u> <u>E</u> /W	County: <u>Achesne</u>	State: <u>UT</u>
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1615</u>	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: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	1559 psig	psig	psig
End of test pressure	1550 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1196 psig	psig	psig
5 minutes	1197 psig	psig	psig
10 minutes	1199 psig	psig	psig
15 minutes	1201 psig	psig	psig
20 minutes	1204 psig	psig	psig
25 minutes	1205 psig	psig	psig
30 minutes	1208 psig	psig	psig
<u>33</u> minutes	1209 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

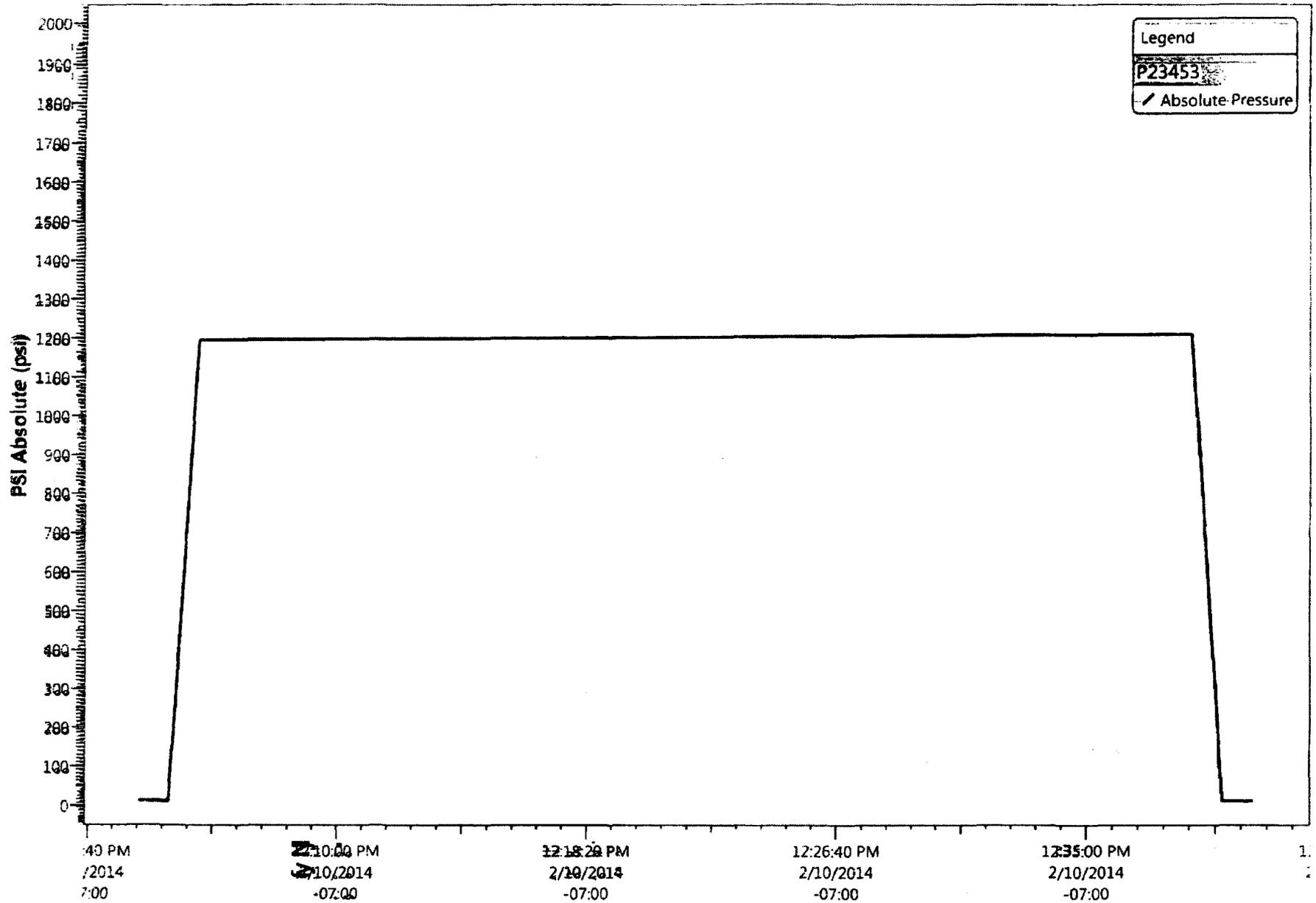
MECHANICAL INTEGRITY PRESSURE TEST

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: _____

Lone Tree 15-16-9-17 5 yr. MIT (02-10-14)

2/10/2014 12:02:56 PM



Lone Tree #15-16-9-17

Spud Date: 2.7.01
 Put on Production: 4.9.04
 GL: 5316' KB: 5328'

Initial Production: 63 BOPD
 945 MCFD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WFIGHT: 24#
 LENGTH: 7 jts (291.76')
 DEPTH LANDED: 300.76'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 145 sxs class G cmt, est 6 bbls cut. to surf.

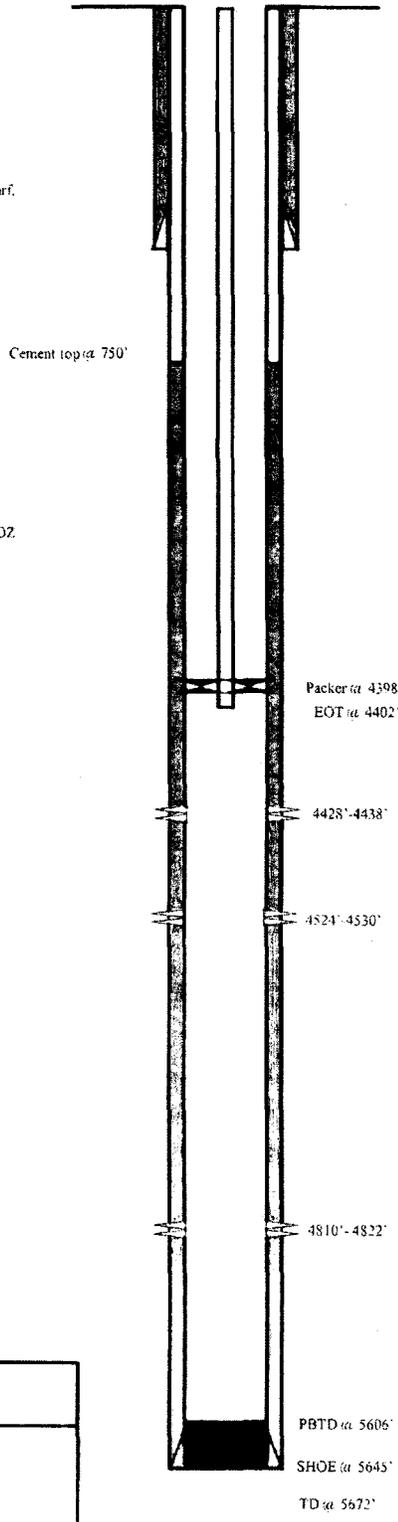
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 129 jts (5647')
 DEPTH LANDED: 5645.04'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Premlite II and 400 sxs 50.50 POZ
 CEMENT TOP AT: 750'

TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#
 NO. OF JOINTS: 133 jts (4381.74')
 SN LANDED AT: 4393.74' KB
 TOTAL STRING LENGTH: 4402.24'

Injection Wellbore
 Diagram



FRAC JOB

04/06/04 4810'-4822' Frac A3 sands as follows:
 54,105# 20.40 sand in 455 bbls Lightning 17
 frac fluid. Treated at avg pressure of 1700psi
 w avg rate of 24.4 BPM. ISIP-1850. Calc.
 flush: 4808 gals. Actual flush: 4803 gals.

04/06/04 4524'-4530' Frac C sands as follows:
 19,991# 20.40 sand in 240 bbls Lightning 17
 frac fluid. Treated at avg pressure of 2200 psi
 w avg rate of 24.6 BPM. ISIP-2070. Calc.
 flush: 4322 gals. Actual flush: 4319 gals

04/06/04 4428'-4438' Frac D2 sands as follows:
 45,537# 20.40 sand in 397 bbls Lightning 17
 frac fluid. Treated at avg pressure of 2000 psi
 w avg rate of 24.6 BPM. ISIP-2030. Calc.
 flush: 4426 gals. Actual flush: 4326 gals.

3/5/09 Well converted to an Injection Well.
 3/11/09 MIT completed and submitted.

PERFORATION RECORD

04.02.04	4810'-4822'	4 JSPP	48 holes
04.06.04	4524'-4530'	4 JSPP	24 holes
04.06.04	4428'-4438'	4 JSPP	40 holes

NEWFIELD

Lone Tree #15-16-9-17
 575' FSL & 1929' FEL
 SWSE Section 16-T9S-R17E
 Duchesne County, Utah
 API #43-013-32089; Lease #UTU-77236X