

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS   WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

DATE FILED FEB. 7, 2000

LAND: FEE & PATENTED

STATE LEASE NO. ML-21836

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: March 16, 2000

SPUDDED IN: 3-29-2000

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: Monument Butte

UNIT: Wells Draw (GR)

API NO: 43-013-31676

COUNTY: Duchesne

WELL NO. Wells Draw 15-32-8-10

LOCATION 0738 FSL FT. FROM (N) (S) LINE 1824 FEL

FT. FROM (E) (W) LINE SWSE

1/4 - 1/4 SEC.

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------



**RECEIVED**

FEB 07 2000

DIVISION OF  
OIL, GAS AND MINING

February 4, 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  
Wells Draw Unit #15-32-8-16  
Section 32, T8S, R16E  
Duchesne County, Utah

Dear Ms. Cordova:

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

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

Sincerely,

  
Jon Holst  
Counsel

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

ML-21836

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL  DEEPEN

1b. TYPE OF WELL

OIL  GAS  OTHER  SINGLE ZONE  MULTIPLE ZONE

7. UNIT AGREEMENT NAME

WELLS DRAW UNIT

8. FARM OR LEASE NAME

WELLS DRAW UNIT

2. NAME OF OPERATOR

Inland Production Company

9. WELL NO.

#16-32-8-16

3. ADDRESS AND TELEPHONE NUMBER:

410 - 17th Street, Suite 700, Denver, CO 80202

Phone: (303) 893-0102

10. FIELD AND POOL OR WILDCAT

Monument Butte

4. LOCATION OF WELL (FOOTAGE)

At Surface SESE 601.2' FSL & 544.1' FEL

4435544 N

At proposed Producing Zone

573746 E

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

SESE  
Sec. 32, T8S, R16E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 11.5 miles southwest of Myton, UT

12. County

Duchesne

13. STATE

Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

544' f/lse line & 4825' f/unit line

16. NO. OF ACRES IN LEASE

640

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 1280'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

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

5663' GR

22. APPROX. DATE WORK WILL START\*

1st 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% CaCl<sub>2</sub> & 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

RECEIVED

FEB 07 2000

DIVISION OF  
OIL, GAS AND MINING

24.

Name & Signature

Jon Holst

Title: Counsel

Date: 1/25/00

(This space for State use only)

API Number Assigned:

43-013-31817

APPROVAL:

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 3/16/00

By: [Signature]

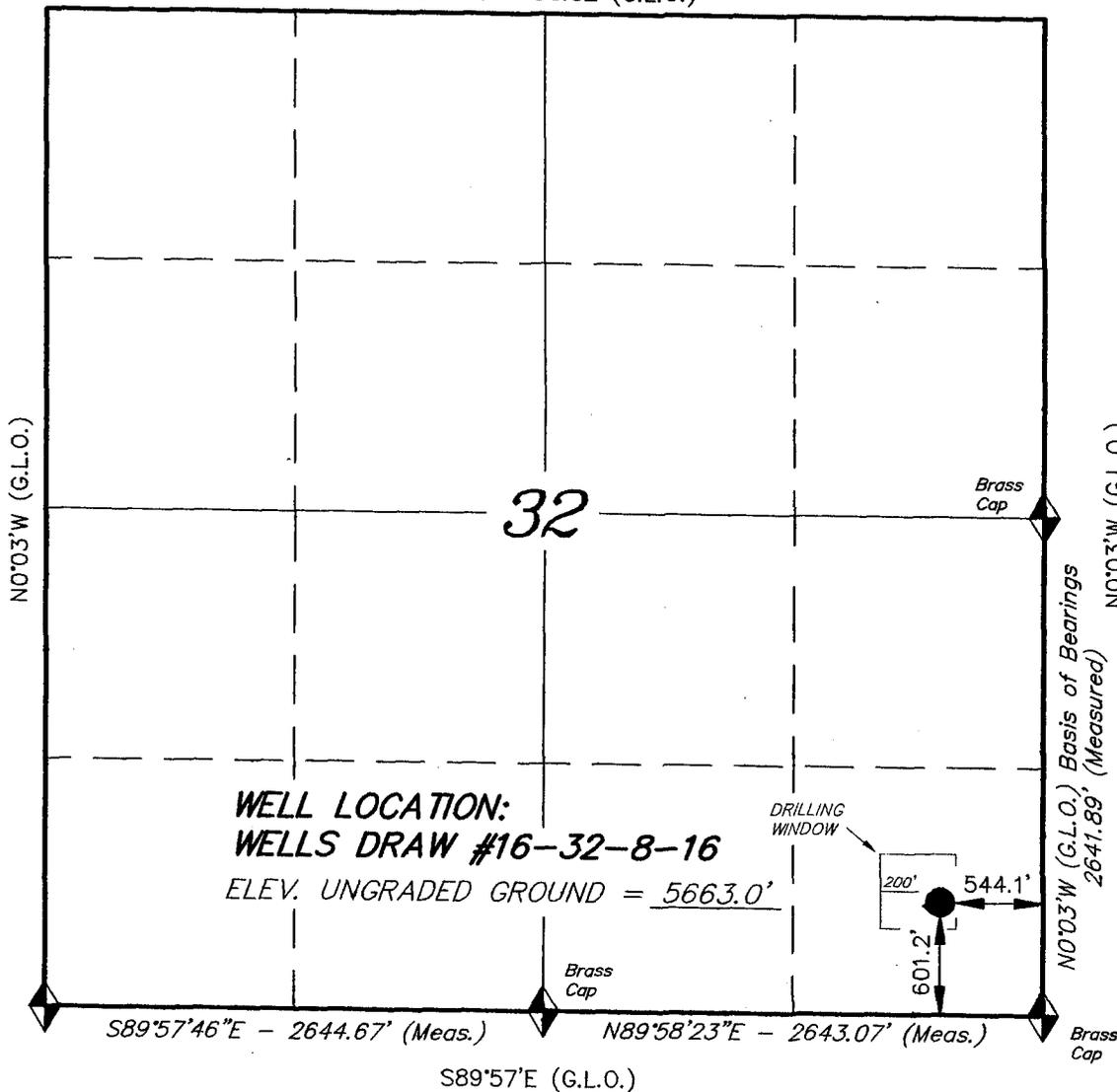
\*See Instructions On Reverse Side

# T8S, R16E, S.L.B.&M.

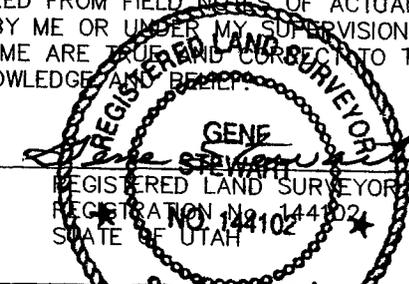
## INLAND PRODUCTION COMPANY

S89°57'W - 80.02 (G.L.O.)

WELL LOCATION, WELLS DRAW #16-32-8-16,  
 LOCATED AS SHOWN IN THE SE 1/4 SE 1/4  
 OF SECTION 32, T8S, R16E, 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.



◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 WEST 100 NORTH WERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 12-30-99	WEATHER: FAIR
NOTES:	FILE #

# 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)

February 22, 2000

### Memorandum

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

API #	WELL NAME	LOCATION
43-013-31676	WELLS DRAW 15-32-8-16	0738-FSL 1824-FEL 32 08S 16E
43-013-31817	WELLS DRAW 16-32-8-16	0601-FSL 0544-FEL 32 08S 16E
43-013-31819	WELLS DRAW 9-32-8-16	1977-FSL 0562-FEL 32 08S 16E

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

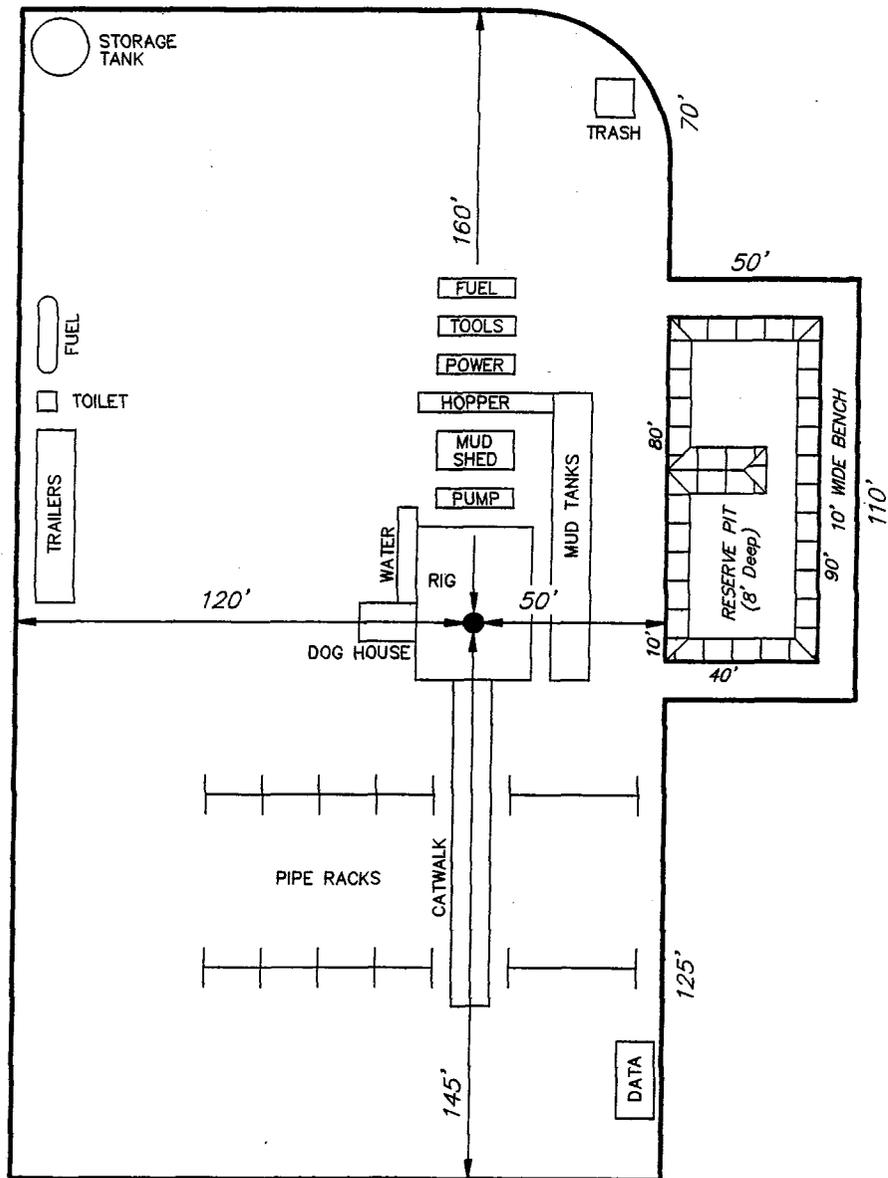
/s/ Michael L. Coulthard

bcc: File - Wells Draw Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:2-22-00

# TYPICAL RIG LAYOUT

## WELLS DRAW #15-32-8-16



**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY  
WELLS DRAW UNIT 15-32-8-16  
SESE SECTION 32, T8S, R16E  
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 – 1700'
Green River	1700'
Wasatch	6500'

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

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 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 @ 1700' +/- 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 H<sub>2</sub>S 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 first quarter of 2000, and take approximately eight (8) days from spud to rig release.

INLAND PRODUCTION COMPANY  
WELLS DRAW UNIT 15-32-8-16  
SESE SECTION 32, T8S, R16E  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Inland Production Company well location site Wells Draw Unit 15-32-8-16 located in the SW ¼ SE ¼ Section 32, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction 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 1.7 miles to its junction with State Highway 216, remain on State Highway 53 and continue in a southwesterly direction for another 7.7 miles, turn left for another ½ 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 supply line from 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 Wells Draw Unit 15-32-8-16, 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 Wells Draw Unit 15-32-8-16 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: Donn Murphy  
Address: 410 Seventeenth Street  
Suite 700  
Denver, CO 80202  
Telephone: (303) 893-0102

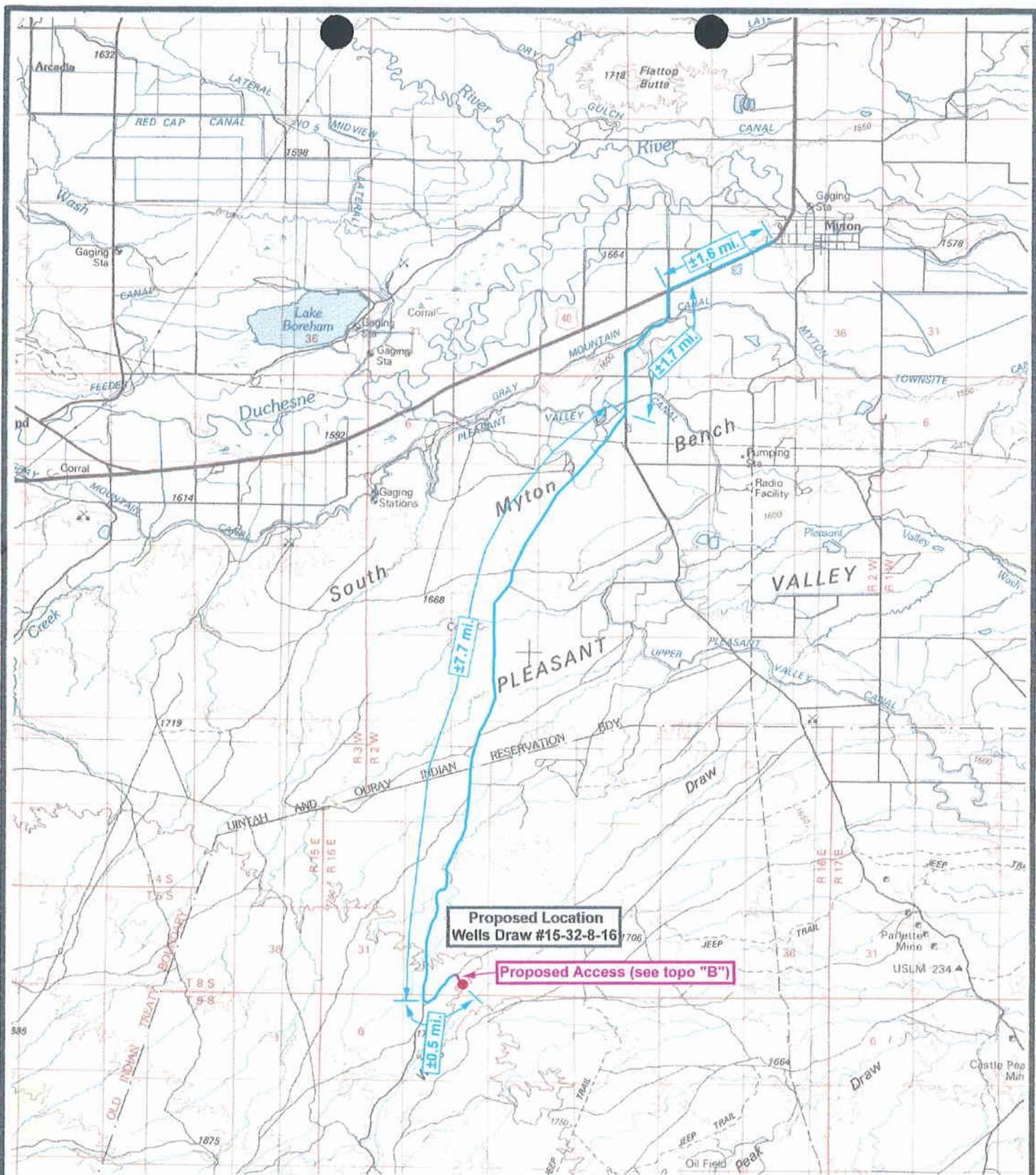
Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #15-32-8-16, SWSE Section 32, T8S, R16E, LEASE #ML-21836, 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.

2/4/00  
Date

Donn Murphy  
Donn Murphy  
Sr. Operations Engineer



**Proposed Location  
Wells Draw #15-32-8-16**

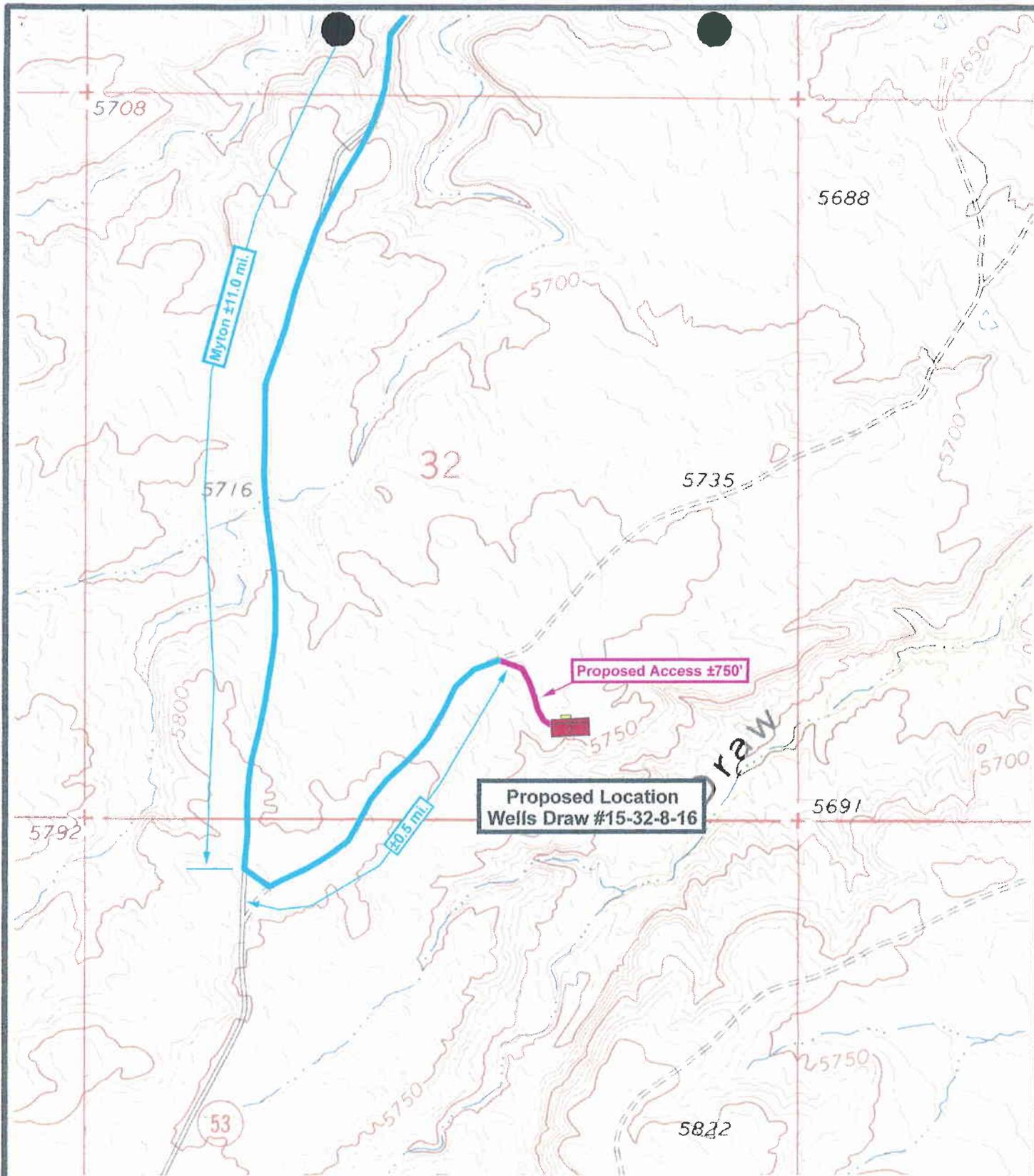
**Proposed Access (see topo "B")**



**WELLS DRAW #15-32-8-16  
SEC. 32, T8S, R16E, S.L.B.&M.  
TOPOGRAPHIC MAP "A"**



Drawn By: SS	Revision:
Scale: 1 : 100,000	File:
Date: 12-27-99	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 435-781-2518</b>	



**WELLS DRAW #15-32-8-16**  
**SEC. 32, T8S, R16E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "B"**



Drawn By: SS	Revision:
Scale: 1" = 1000'	File:
Date: 12-27-99	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 435-781-2518</b>	

8S/16E

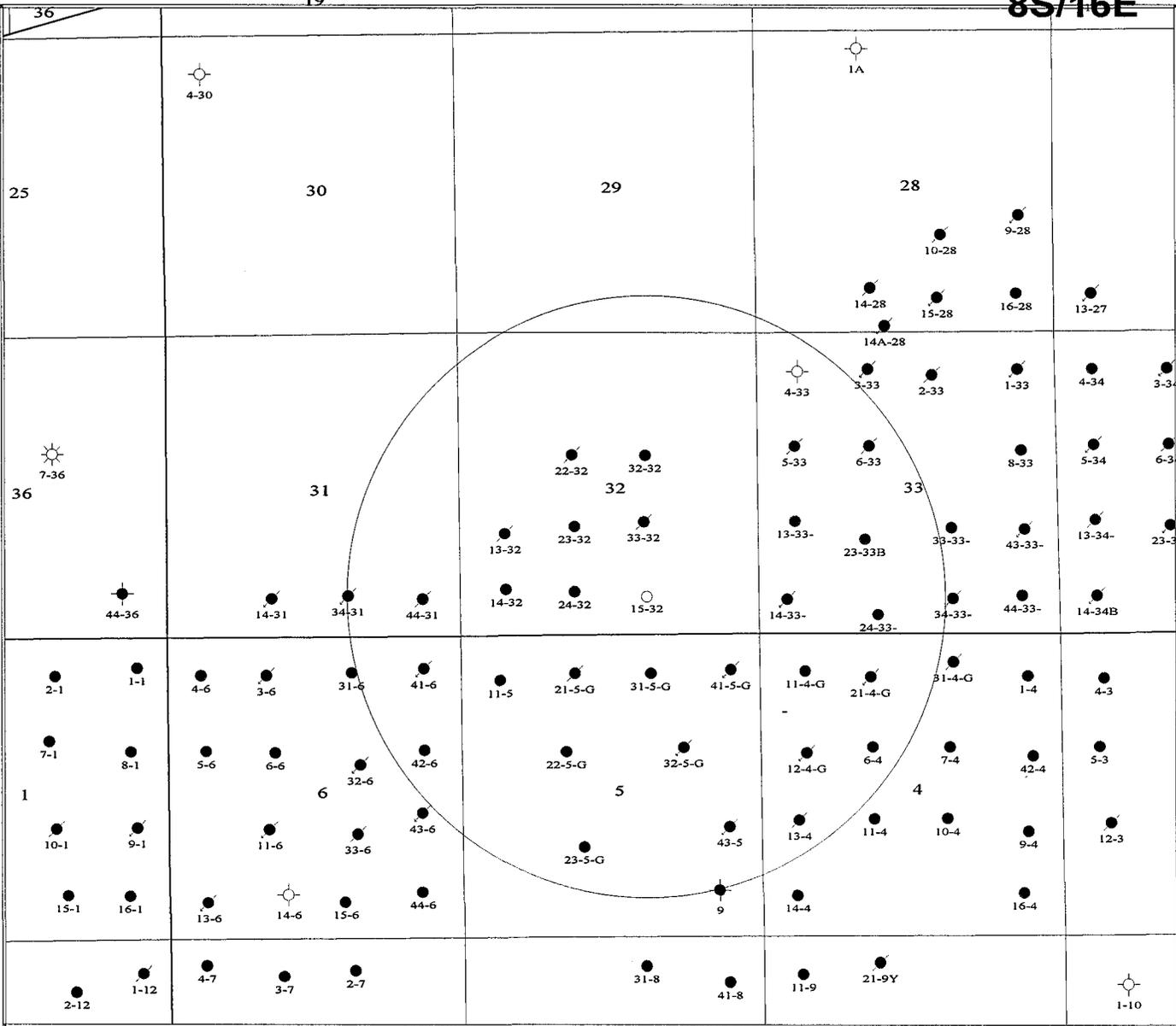
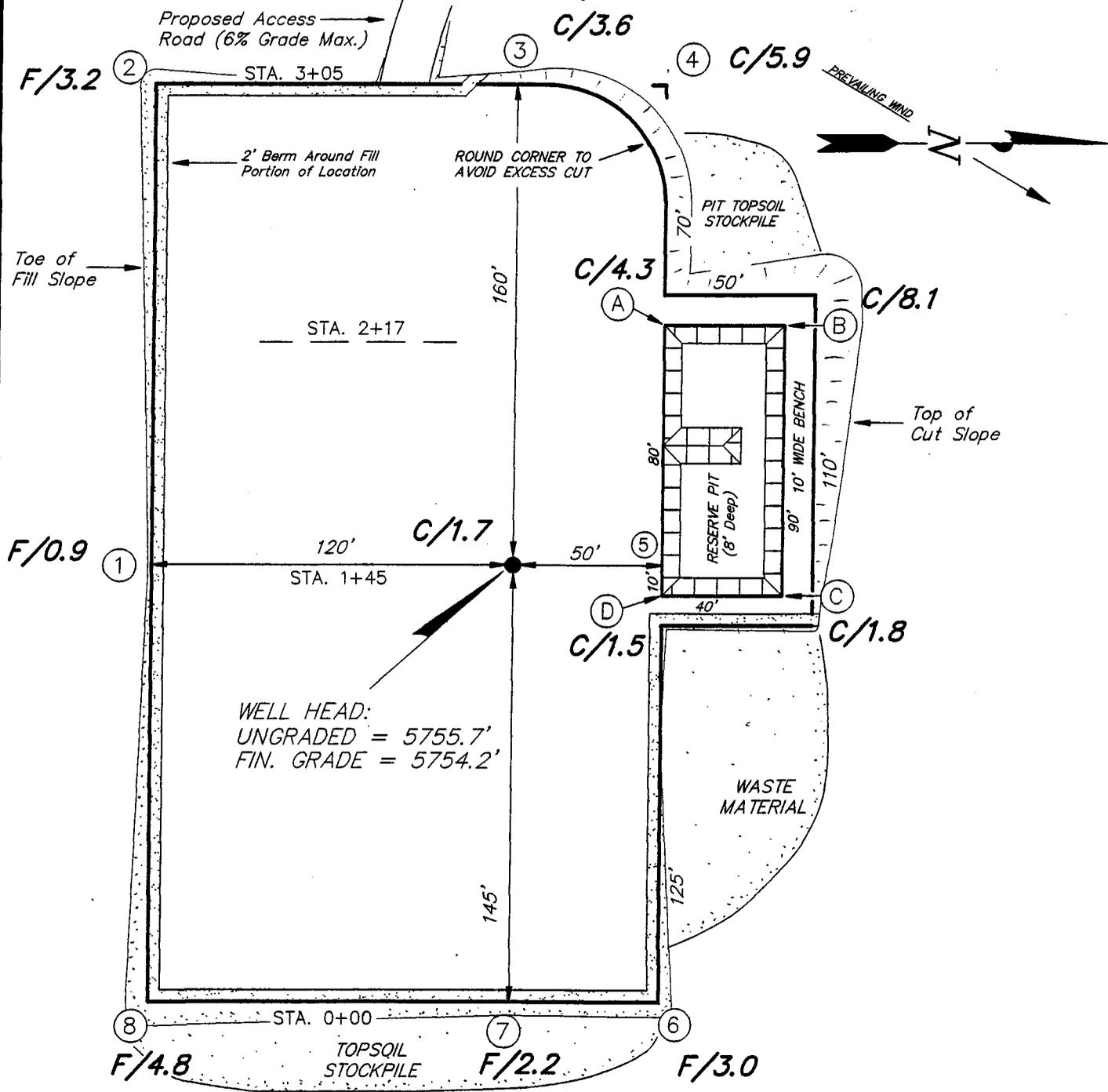


EXHIBIT D

INLAND PRODUCTION COMPANY		
One Mile Radius Wells Draw #15-32-8-16		
Josh Axelson		1/17/2000
Scale 1:34567.83		

# INLAND PRODUCTION COMPANY

**WELLS DRAW #15-32-8-16**  
**SEC. 32, T8S, R16E, S.L.B.&M.**



**REFERENCE POINTS**

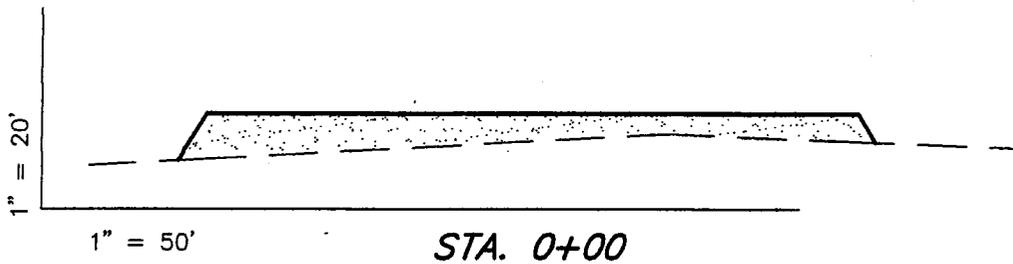
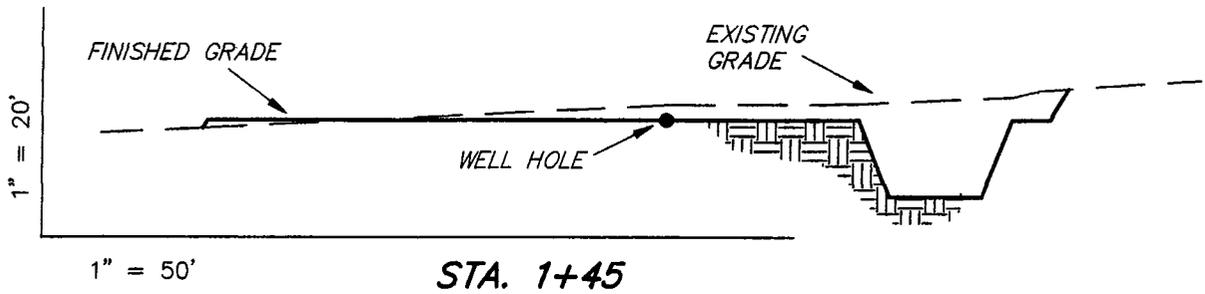
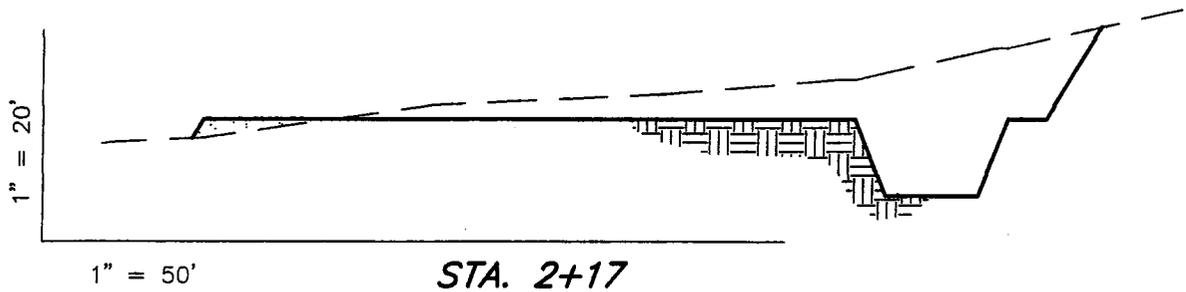
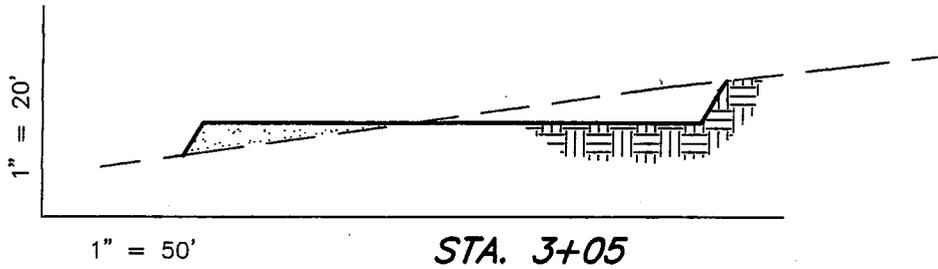
195' WEST	= 5751.0'
245' WEST	= 5750.7'
140' NORTH	= 5758.3'
190' NORTH	= 5758.8'

SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	1-13-00
SCALE:	1" = 50'
REVISIONS:	

**Tri State**  
*Land Surveying, Inc.*  
 (435) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

# CROSS SECTIONS

## WELLS DRAW #15-32-8-16



### APPROXIMATE YARDAGES

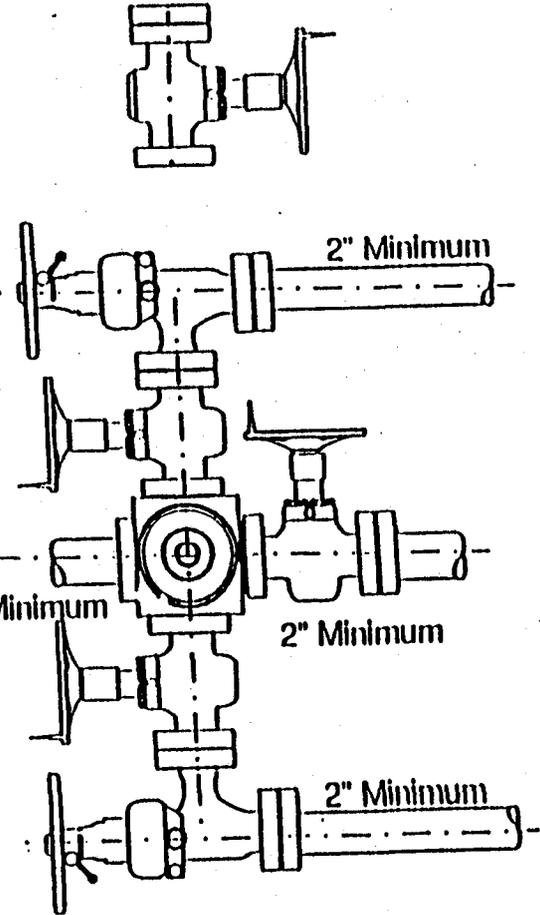
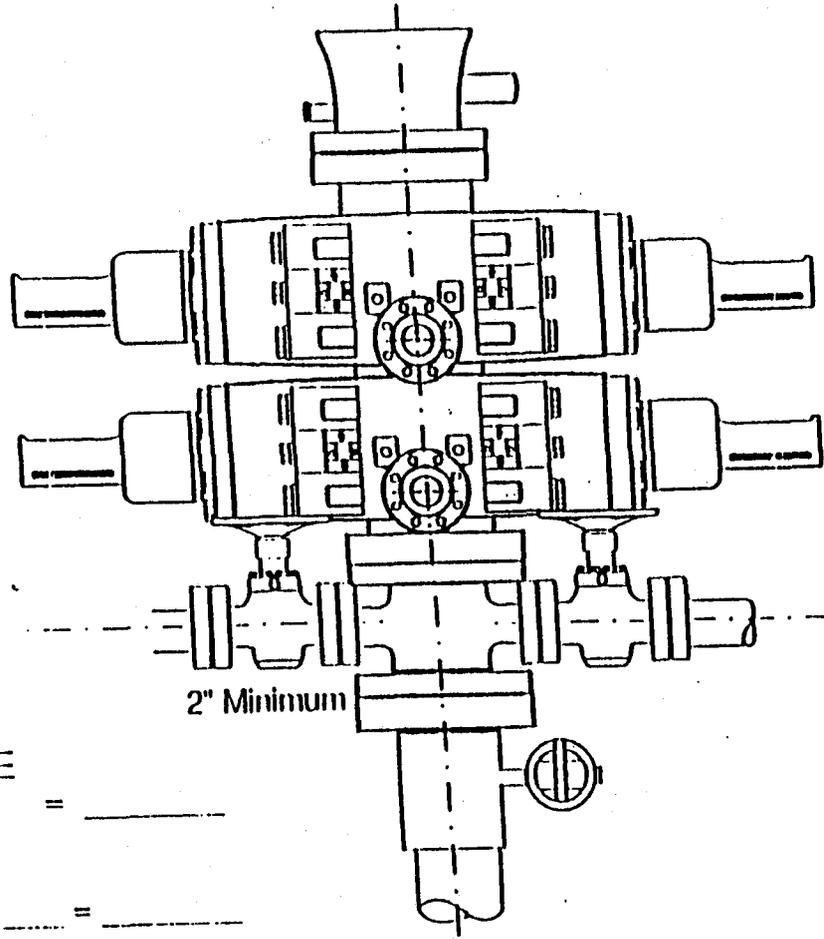
- CUT = 2,160 Cu. Yds.
- FILL = 2,150 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,060 Cu. Yds.

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

# 2-M SYSTEM

TYPE B.O.P.

1:



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

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

EXHIBIT F

**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  
*Richard Crosland*

prepared for  
**Inland Resources Inc.**  
Denver, Colorado

*submitted by*  
***JBR Environmental Consultants Inc.***  
***Springville, UT***

December 3, 1999

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

## MANAGEMENT SUMMARY

**Agencies:** School and Institutional Trust Lands Administration, Bureau of Land Management, Vernal District and Utah State Historic Preservation Office.

**Project Number:** Utah State Project Authorization No. U-99-JB-0331bs

**Project Description:** The project consists of a cultural resource inventory of nine 40 acre well pads and an additional 75 acres of in-fill around existing wells. The well pads included in the survey consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack units. In-fill acreage is located in the Castle Draw and the Black Jack Unit. A total of 435 acres are included in the project, of which 250 acres are administered by SITLA and 185 acres by the Vernal District, Diamond Mountain Resource Area, BLM.

**Location:** Inventoried well pads in the Ashley Unit and Wells Draw Expansion are located approximately 11 miles southwest of Myton, Utah, in Duchesne County. Inventoried well pads and in-fill areas are in the Lone Tree, Castle Draw, and Black Jack units are located approximately 12 miles southeast of Myton, Utah, in Duchesne County .

**Cultural Resources:** The Class III inventory identified one previously recorded site, seven newly recorded sites, and five isolated artifacts. Seven of the sites are prehistoric in nature with one site having both prehistoric and historic components. During follow up work for the project, sites 42DC1249 and 42DC1250 were revisited and sites 42DC1287, 42DC1288, and 42DC1289 were recorded. Additional recording work at sites 42DC1249 and 42DC1250 took the form of detailed mapping of the sites, the placement of a series of test probes, and surface collection at 42DC1250. Three of the eight sites identified during the project are recommended as eligible for the NRHP with one being determined as unevaluated until future testing.

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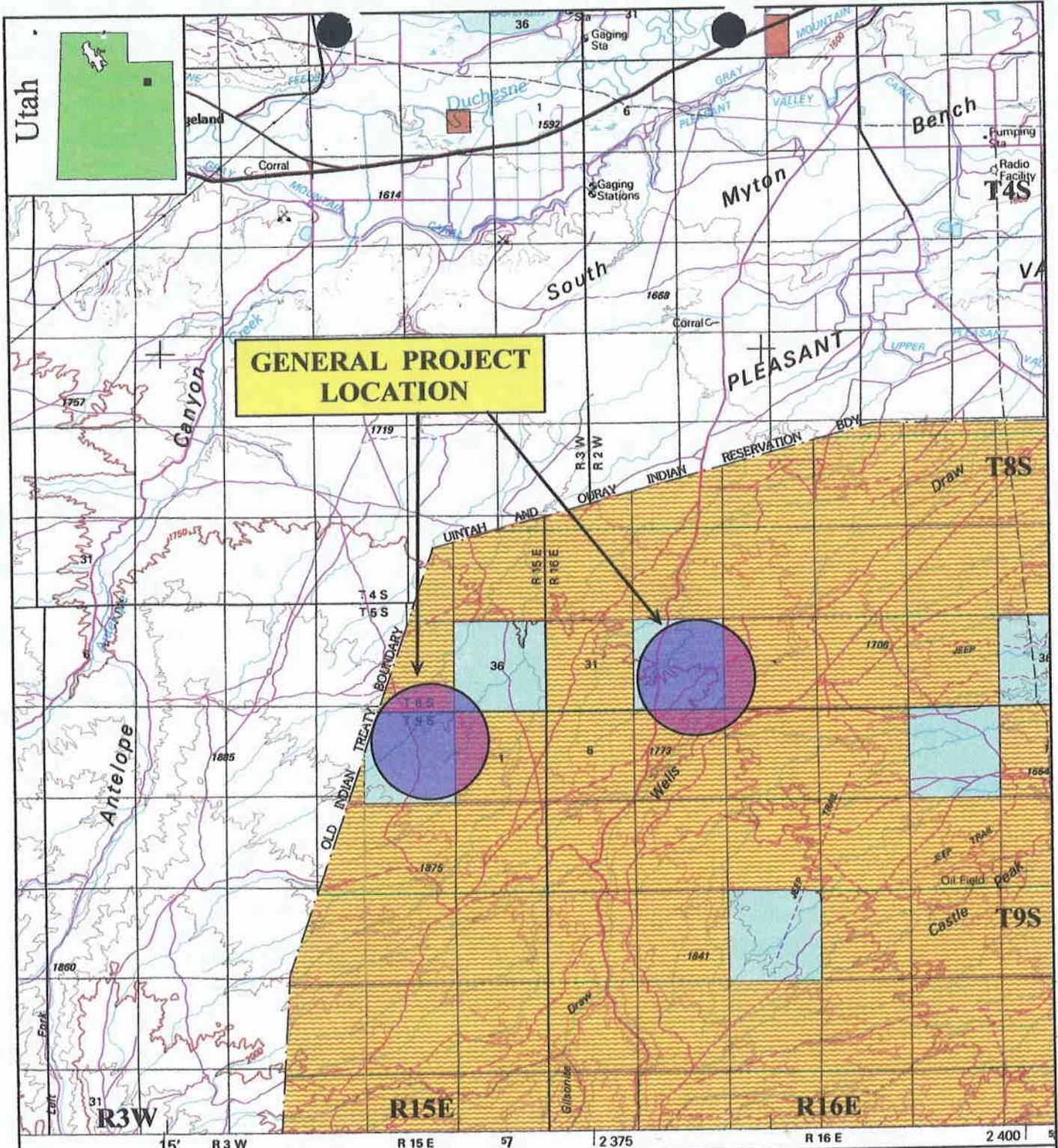
## 1.0 INTRODUCTION

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 seven prehistoric sites, one prehistoric/historic site, and five isolated finds. The project inventory was originally conducted on June 24 and 25, 1999, by JBR personnel Richard Crosland, Jeffrey Rust, Steve Ice, and Tuula Rose. Points located on site 42DC1250 were later identified as likely Paleoindian points. This prompted more formal recording, mapping, and collection of site 42DC1250 and the re-recording of 42DC1249. Additional inventory, recording and testing work took place November 4<sup>th</sup>, 16<sup>th</sup>, 19<sup>th</sup>, and 30<sup>th</sup> 1999, by Scott Billat, Richard Crosland, Steve Ice, Beth Ann Camp, Danielle Diamond and Aaron Ferguson.

## 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.



**KEY:**

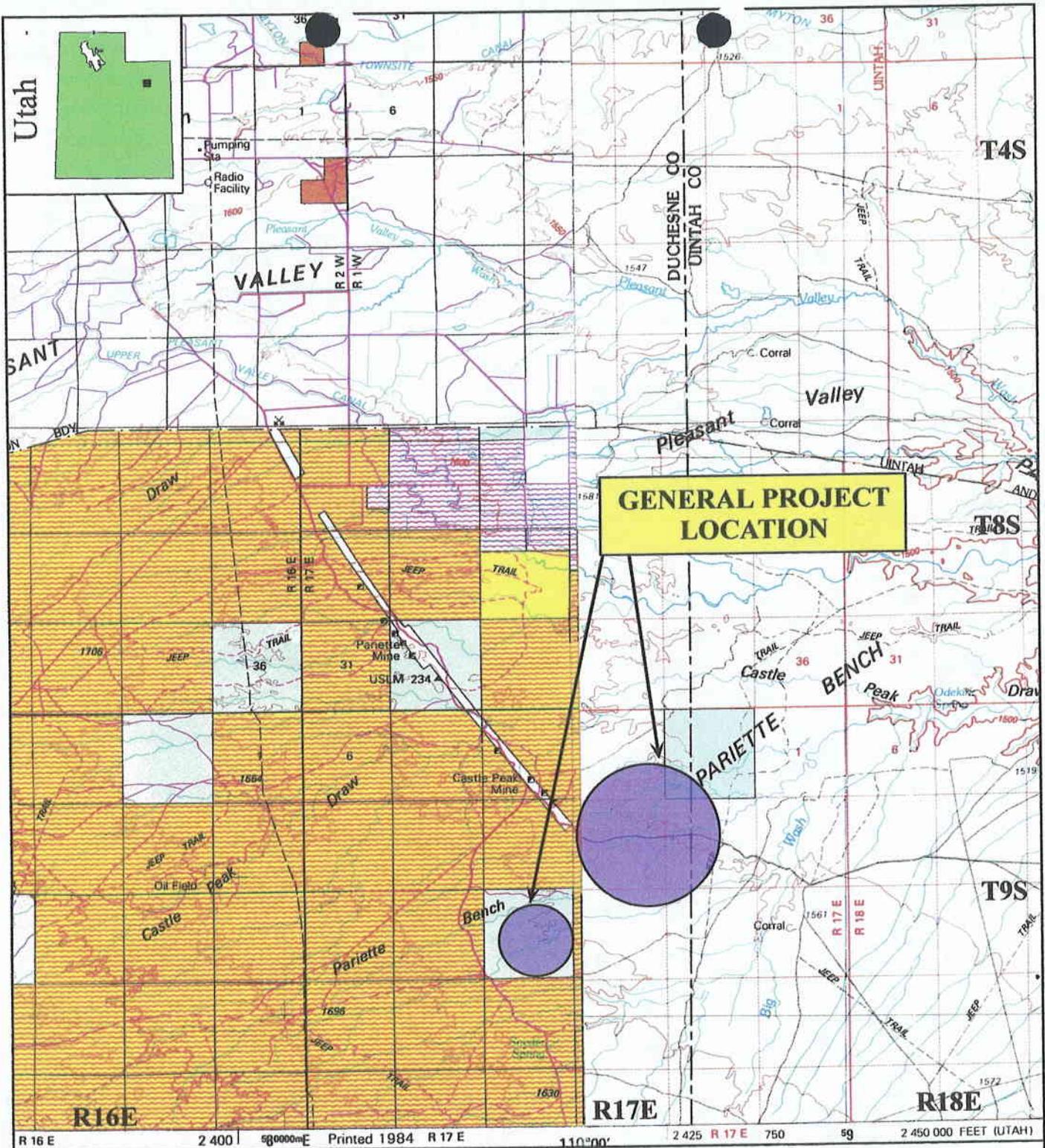
BASE FROM DUCHESNE, UT - 1:100,000 MAP



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

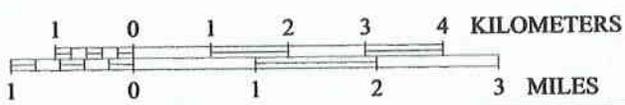
**FIGURE 1  
GENERAL PROJECT LOCATION**

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R 16 E 2 400 580000mE Printed 1984 R 17 E 110°00' 2 425 R 17 E 750 59 2 450 000 FEET (UTAH)

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



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

**FIGURE 2  
GENERAL PROJECT LOCATION**

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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 E¼; 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

### 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 well 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
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	UTARC	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
UT-93-AF-725s	Inventory of well pad and road	1993	AERC	None
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

Report No.	Project	Date	Firm	Sites
U98-AF-0164b,s	3,919 acre block survey	1998	AERC	28 sites
U98-SJ-0217b	1,320 acre block survey	1998	Sagebrush	3 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), Gosiute 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 on 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 eligible sites. 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 site 42DC795 as indicated on the updated site sketch. Isolated finds were also plotted on a USGS topographic map. During the detailed recording and mapping of sites 42DC1249, 42DC1250, and 42DC1289 a total station was

used for mapping. The entire surface assemblage from 42DC1250 was collected as mapping took place. 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 areas. 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, seven newly recorded sites, and five isolated finds. The cultural resource sites consist of three prehistoric campsites, four lithic scatters, and one lithic scatter/historic debris scatter. A summary of the cultural resource sites can be found in Table 4 and a description of each of the eight 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. During the revisitation of site 42DC1250, it was found to be primarily outside of the project block (Well 1A-10) and within the adjacent well/project block completed in 1998 by Sagebrush Consultants (Polk and Diamond 1998). Further, the majority of site 42DC1249 was also found to be mostly outside of the project block (Well 14-2) and located in an adjoining area previously inventoried. These adjacent and overlapping areas were inventoried by Sagebrush Consultants (Polk and Diamond 1998), UTARC (Cook 1982), and AERC (Hauck and Hadden 1993). Portions of site 42DC1289 are also located in previously inventoried areas (Polk and Diamond 1998).

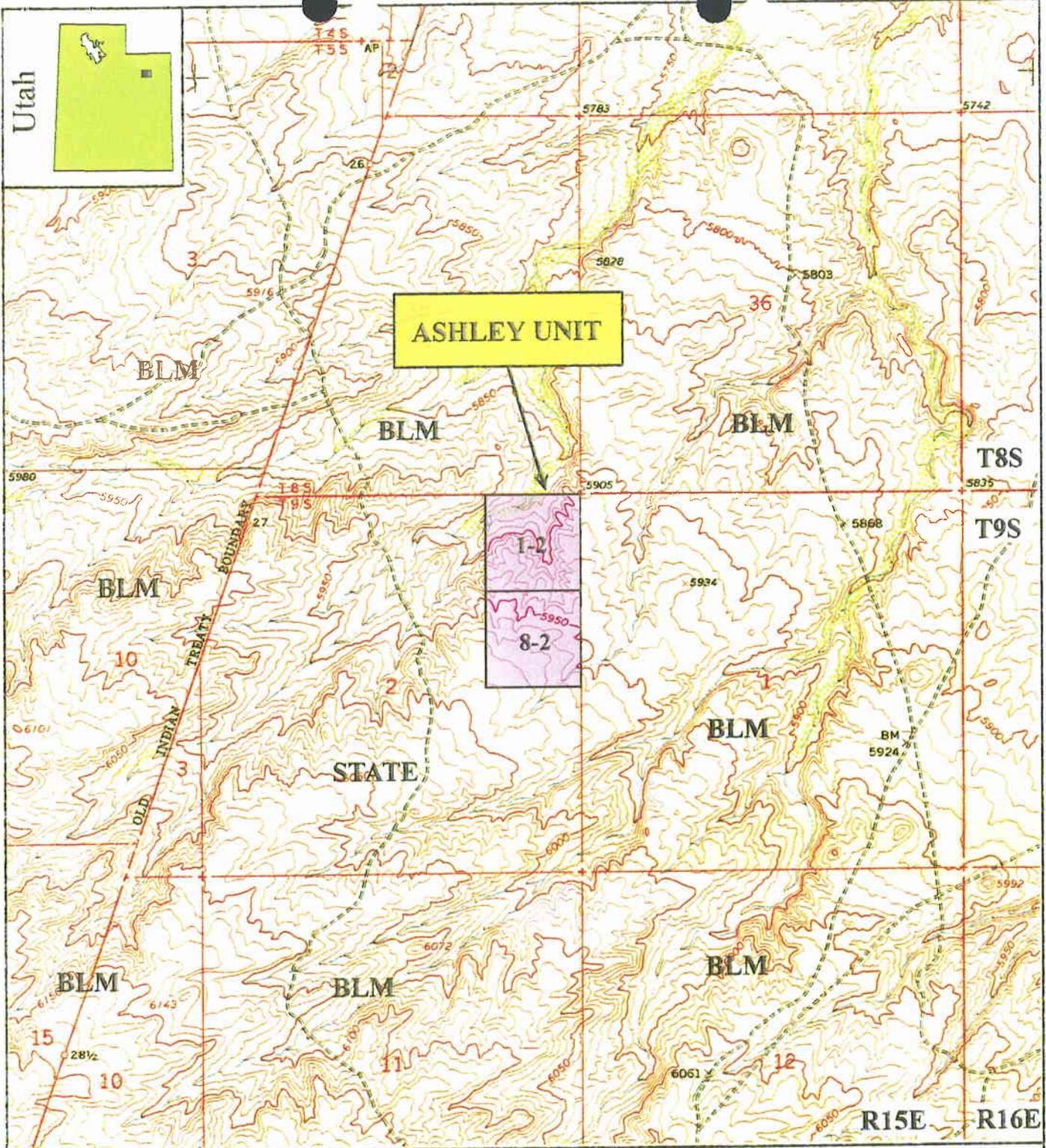
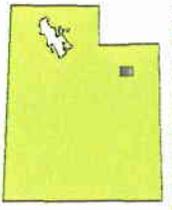
Table 4. Summary of Cultural Resource Sites.

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/BLM	Campsite	Unknown Aboriginal	Eligible
42DC1250	BLM	Lithic Scatter	Unknown Aboriginal	Eligible
42DC1287	SITLA	Lithic Scatter Historic Debris	Unknown Aboriginal Euro/American	Ineligible
42DC1288	SITLA	Lithic Scatter	Unknown Aboriginal	Ineligible
42DC1289	BLM	Lithic Scatter	Unknown Aboriginal	Unevaluated

Table 5. Summary of Isolated Finds.

Number	Description	Location
IF-1	Cream chert secondary flake	586460 mE 4433550 mN T9S R17E Section 10 SW¼ SW¼ NE¼ NE¼
IF-2	Simonis Type #13 can	586260 mE 4432370 mN T9S R17E Section 10 SW¼ SE¼ SW¼ SE¼
IF -3	Oolitic chert primary flake	573860 mE 4436140 mN T8S R16E Section 32 SE¼ NE¼ NE¼ SW¼
IF-4	Green/tan primary flake	573780 mE 4435660 mN T8S R16E Section 32 NW¼ NE¼ SE¼ SE¼
IF-5	Red chert scraper	573820 mE 4435620 mN T8S R16E Section 32 SE¼ SE¼ NE¼ SW¼
IF-6	Hole-in-cap can	573170 mE 4435750 mN T8S R16E Section 32 NW¼ NW¼ SE¼ SE¼
IF-7	Hand soldered can	573170 mE 4435420 mN T8S R16E Section 32 SW¼ SW¼ SW¼ SE¼

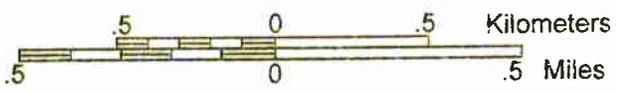
Utah



KEY:

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

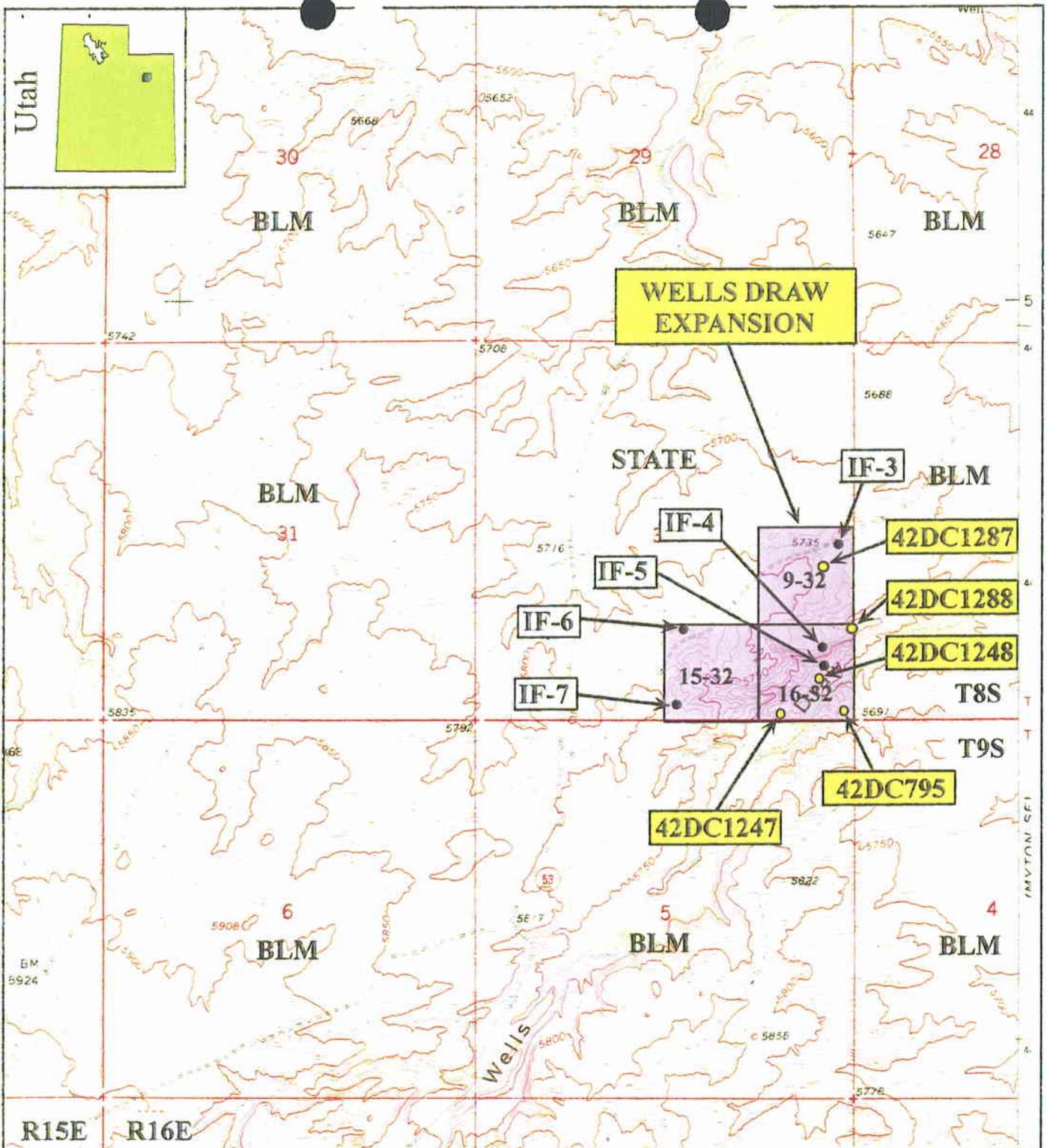
 JBR CLASS III INVENTORY



### INLAND RESOURCES - NINE WELLS WITHIN FIVE UNITS

FIGURE 3  
PROJECT AREA

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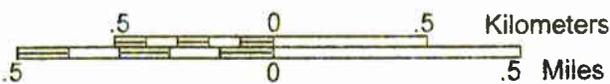
**KEY:**

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

○ CULTURAL RESOURCE SITE

● ISOLATED FIND

□ JBR CLASS III INVENTORY



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

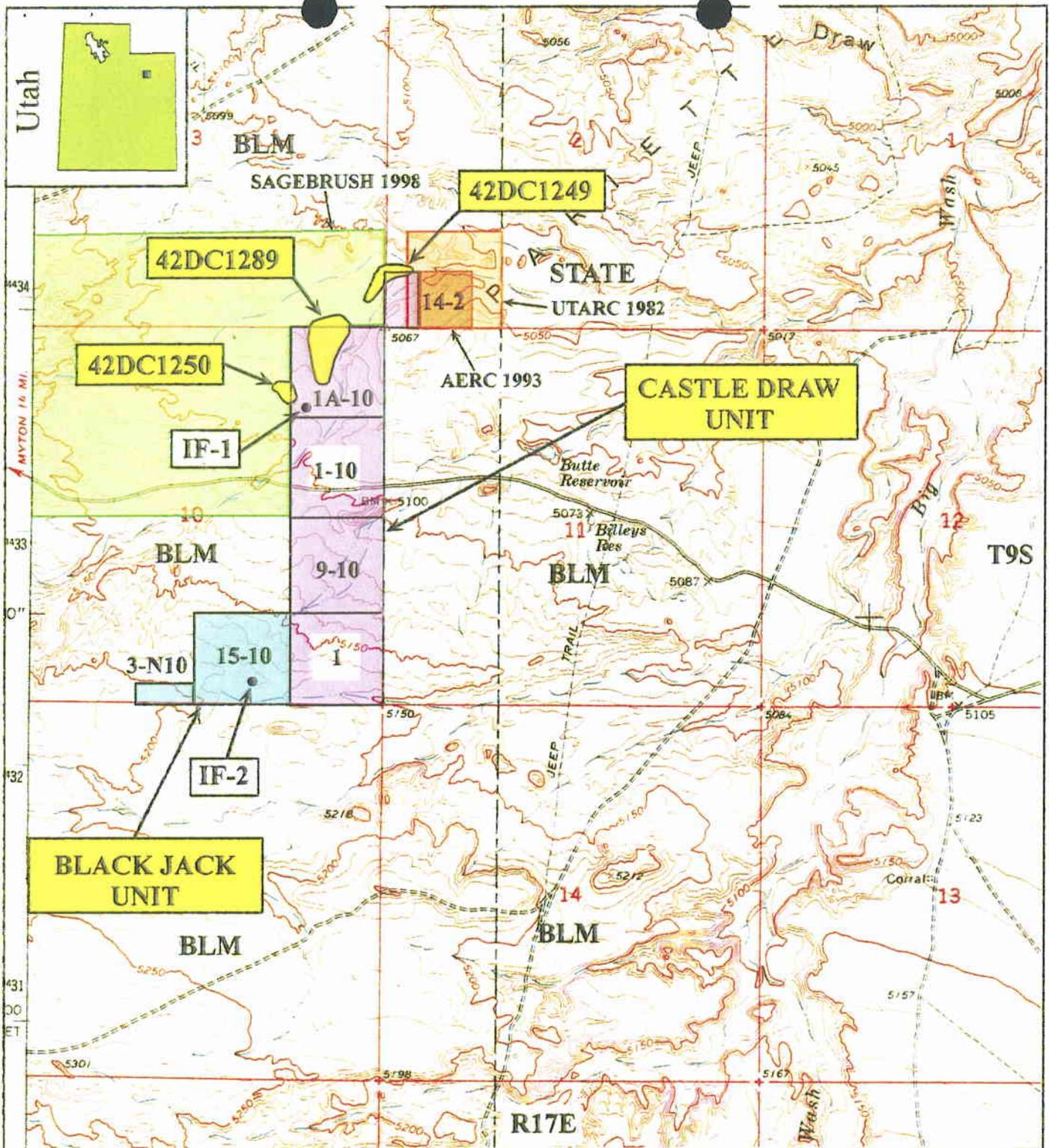
**FIGURE 4  
PROJECT AREA  
AND CULTURAL RESOURCES**



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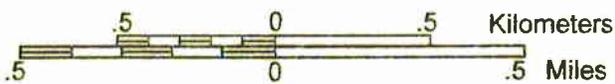


**KEY:**

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

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

N



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

**FIGURE 6  
PROJECT AREA  
AND CULTURAL RESOURCES**



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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.

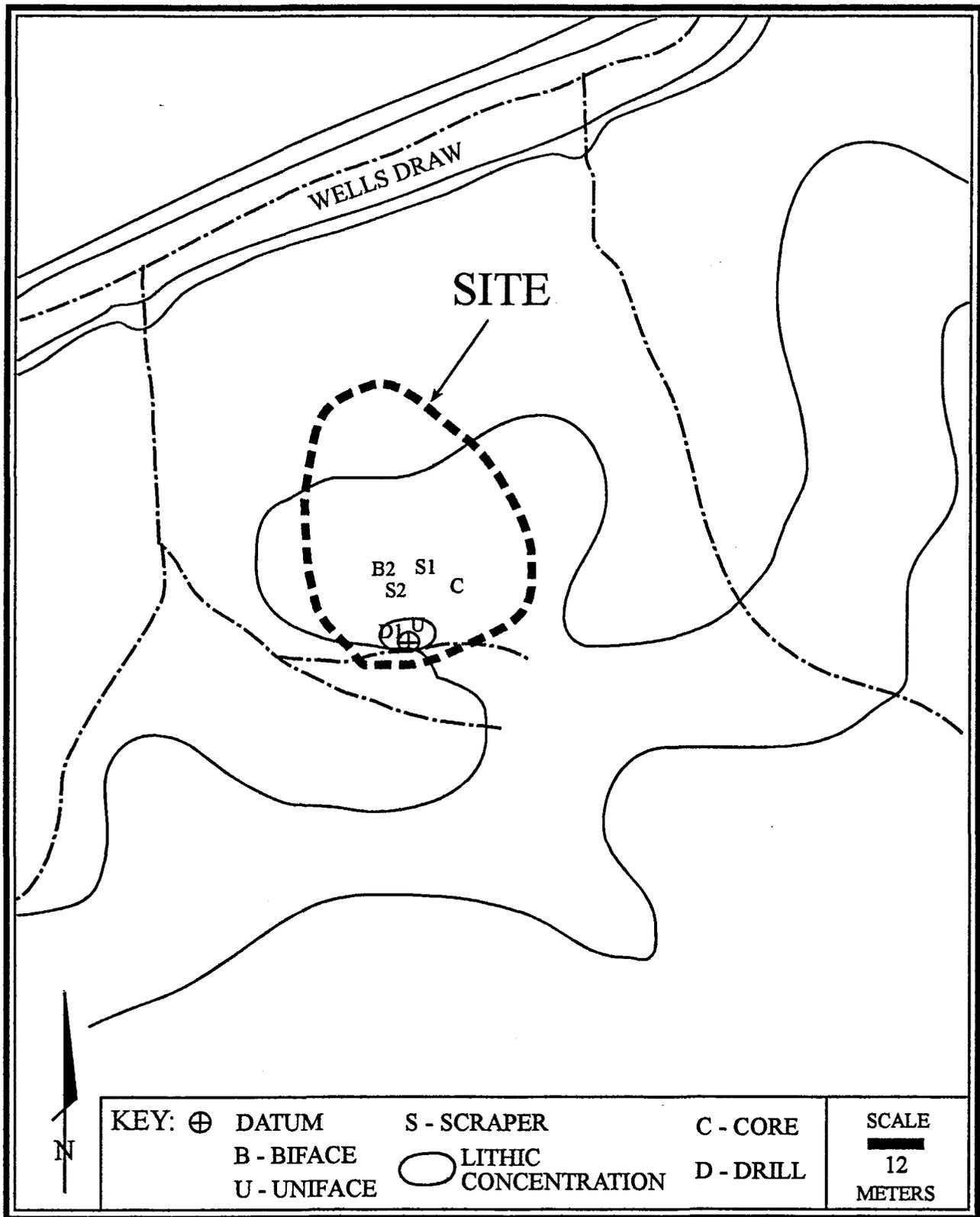


Figure 7. Plan map of site 42DC795.

**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**.

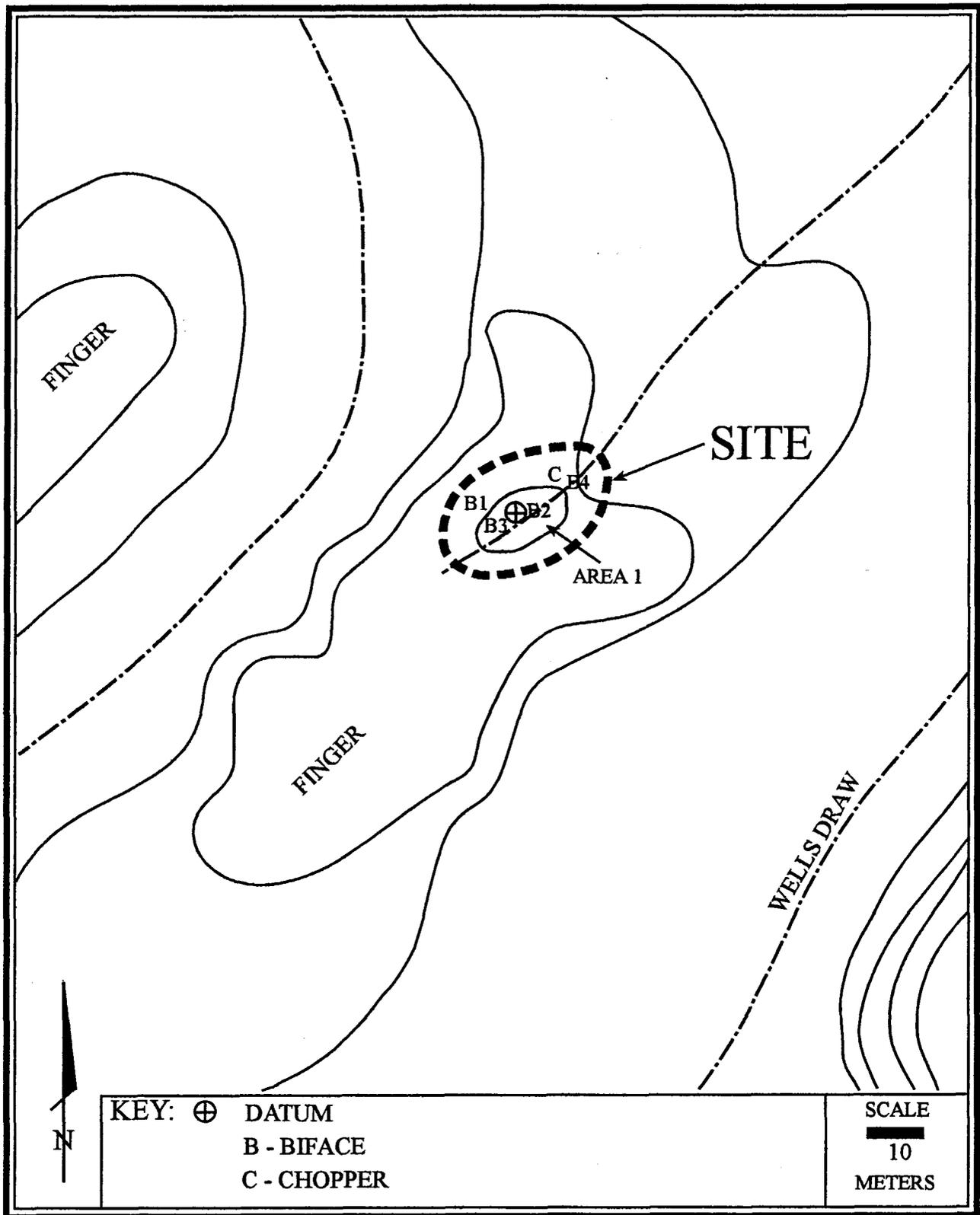


Figure 8. Plan map of site 42DC1247.

**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 small bench within Wells Draw.

**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 on eroded ridge. 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.

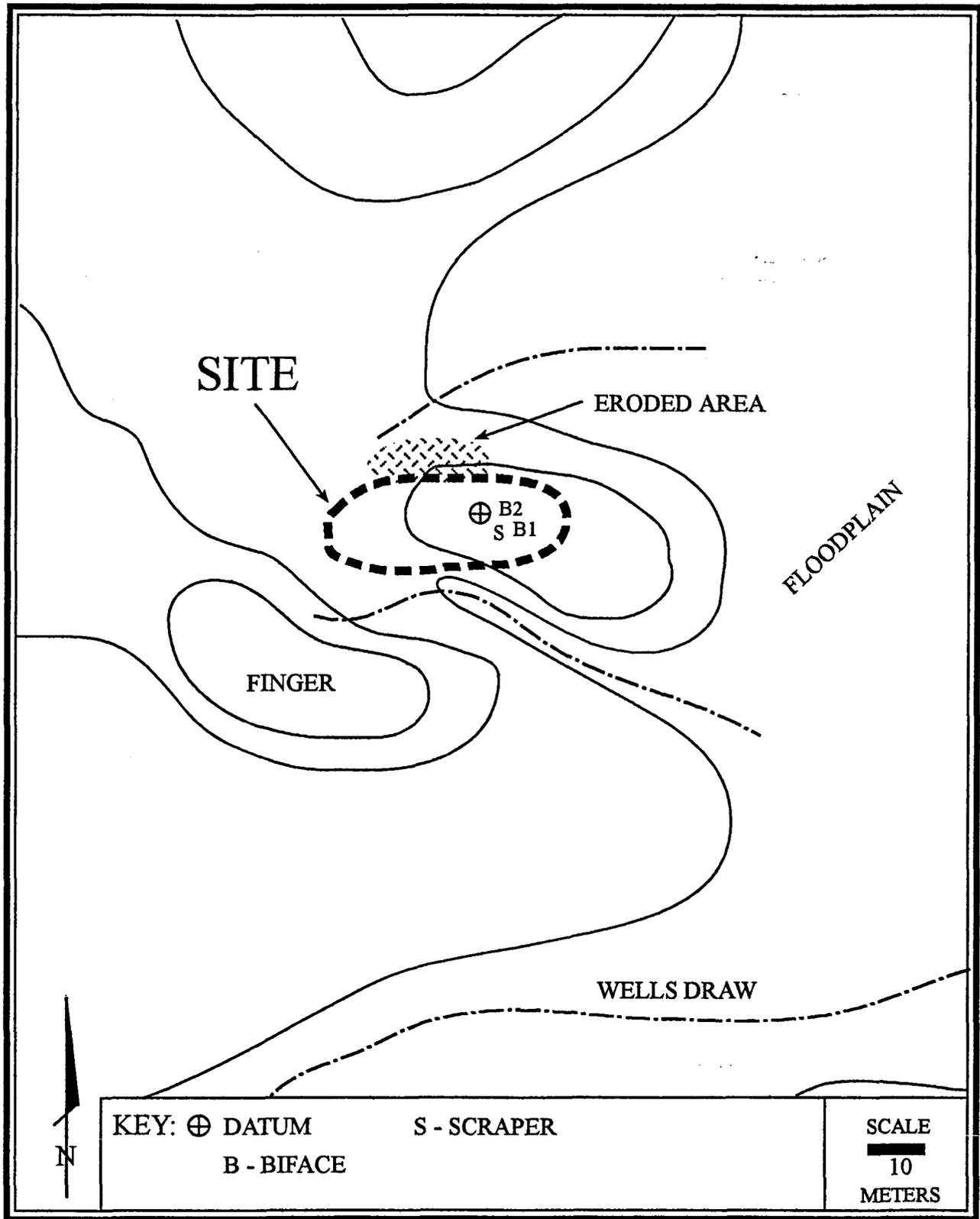


Figure 9. Plan map of site 42DC1248.

**Site Number:** 42DC1249

**Temp Number:** IN9-4

**Figure Numbers:** 6 and 10

**Site Type:** Campsite

**Cultural Affiliation:** Unknown Aboriginal

**Setting:** The site is located on a dune area and desert pavement.

**Description:** The site is a prehistoric campsite that extends over a 220 by 90 meter area. Tools located on site include a biface of white chert, a white chert biface fragment, and a tan oolitic chert biface fragment. Lithic debitage on site consisted of 10 -15 secondary flakes located in the main flake area. This area of the site is located on desert pavement like surfaces. Other scattered debitage consisted of 19 primary flakes of chert, quartzite and oolitic materials; 3 secondary flakes of the same materials; and 1 gray chert core. Also noted in the northeastern portion of the site is a slab lined hearth feature (Feature 1) about 50cm in size. Displaced slabs are found within a two meter area and consists of approximately 19 small sandstone slabs. No cultural material, ash, or fire-cracked rock was noted in or around the feature. In addition, two other surface manifestations of sandstone pieces are situated on the dune. One of these is comprised of two pieces that are roughly 25cm in size and three pieces approximately 8cm in size. The flake density at the site is two flakes per square meter. No debitage concentrations, or definite fire-cracked rock were found. Soils on site consist of loose sand and semi-compact tan sands in the south and west portions of the site, with desert pavement along the north edge. Two subsurface probes were placed in the areas on top of the dune to identify the presence of cultural stratigraphy or depth within the dune deposit. No cultural depth was found in either of the test probes. Animal burrows were also inspected for cultural material as well as 12-15 anthills that are located throughout the site. No cultural material was located at the burrows or anthills.

**National Register Assessment:** The site is campsite containing a single slab lined feature, three bifacial tools, and approximately 40 of pieces lithic debitage. The site is largely located on aeolian sand deposits which may contain some isolated materials or features. Two test probes conducted on site suggests no general cultural stratigraphy. Further, the slab lined feature is partially intact and may contain additional data pertaining to chronology or use of the site, lending information to the reconstruction of the cultural history of the region. The site meets the requirements to fulfill Criterion D of the NRHP and is therefore recommended as **eligible**.

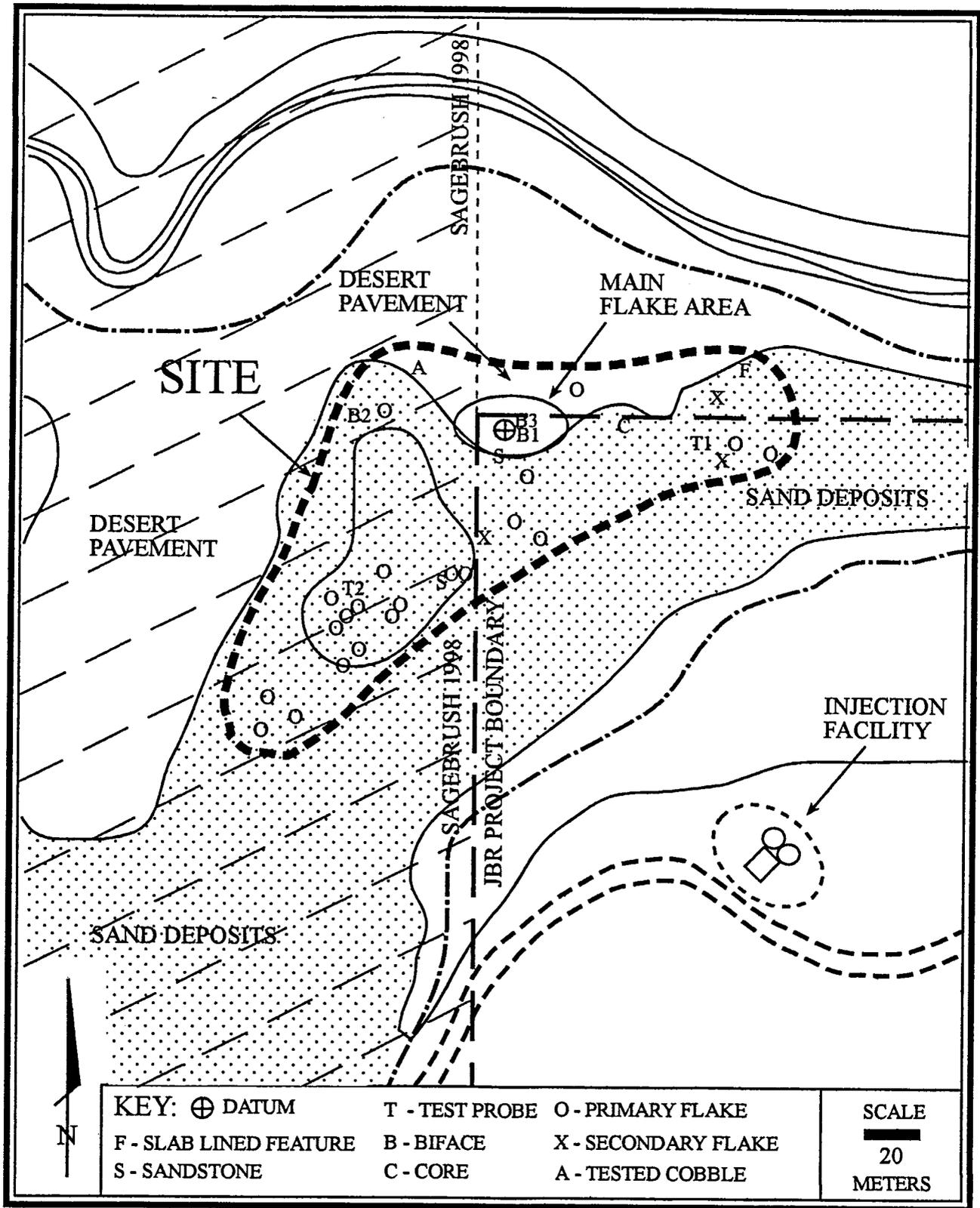


Figure 10. Plan map of site 42DC1249.

**Site Number:** 42DC1250

**Temp Number:** IN9-5

**Figure Numbers:** 6 and 12

**Site Type:** Lithic Scatter

**Cultural Affiliation:** Possible Paleoindian

**Setting:** The site is located on desert pavement between dunes.

**Description:** The site is a lithic scatter extending over an 80 by 70 meter area on desert pavement.. Cultural material on the site consisted of four projectile points, 22 primary flakes, and 6 secondary flakes (Table 6). Lithic material includes white, tan, brown and gray chert and tan oolitic chert. All artifacts on site were collected for curation. The maximum density of flakes is two per square meter. No debitage concentrations, features, or fire-cracked rock were found. Generally the site debitage is very sparse and no artifact patterning observed. The site is essentially located on desert pavement between dunes.

The tools identified are described as follows: Specimen #10 (Figures 11, 12, 13) appears to be a Paleoindian style point and measures 4.5 x 1.4 x .55 and made of brown chert. The point is morphologically similar to an Angostura point recovered from a Foothill-Mountain site (Frison 1991), albeit smaller in size. Specimen #10 does exhibit oblique flaking scars. However, Frison (1991:78-79) offers some words of caution in assuming lanceolate shape and parallel-oblique flaking are characteristic of Paleoindian alone. "Late Shoshonean knappers were executing this flaking pattern on tools that ... could easily be considered as Late Paleoindian." He goes on to say that "certain sites of Late Prehistoric and Early Historic age in the Snake River Valley...have produced the Wahmuza lanceolate point (Holmer 1986) that has the appearance of a late Paleoindian projectile point with parallel-oblique flaking (Frison 1991:79)." Specimen #3 (Figures 11, 12) maybe similar to points reported as belonging to the Paleo Foothills-Mountain subsistence strategy. The distal portion of the point is missing with the remaining medial and proximal portion of the point measuring 3.3 x 1.7 x .6 cm and made of gray chert. Further, both specimen 3 and 10 are similar to a few select Humboldt Concave Base points identified at Hogup Cave (Aikens 1970). Specimen #1 (Figure 11) measures 8.4 x 3.3 x 1 cm and is made of brown/tan chert. This is point is a large side-notch point, possibly a Northern Side-notch. Specimen #21 (Figure 11) is an incomplete point missing the distal portion. The point appears to be a possible Elko Series point, possibly an Elko Eared point.

Point identification in the Uinta Basin can be problematic at best due to its location between two differing but appointed point typologies. The Western Plains and Great Basin typologies offer

similar but different characteristics when applying points from a region without an established early point typology.

Three test probes were placed in different dune remnants on site. No general cultural stratigraphy was found in any of the test probes. An inspection of the 6-10 anthills on site was also negative.

**National Register Assessment:** The site is a small lithic scatter consisting of 27 flakes and four projectile points. Two of the projectile points have been identified as a Paleo style points. While the site consists of wide scatter of flakes, the presence of a Paleo-style points adds significantly to the importance of the site due to the paucity of known Paleo-sites. The site therefore is recommended as **eligible** for NRHP inclusion.

Table 6. Site 42DC1250 Surface artifact assemblage.

Specimen No.	Artifact	Specimen No.	Artifact
1	Side-notched Point - tan chert	18	Crude biface - gray chert
2	Primary flake - tan chert	19	Secor.dary flake - white chert
3	Lanceolate point - gray chert	20	Secondary flake - tan chert
4	Primary flake - gray chert	21	Elko Series - brown chert
5	Secondary flake - tan chert	22	Primary flake - brown chert
6	Secondary flake - tan chert	23	Primary flake - tan chert
7	Primary flake - gray chert	24	Primary flake - gray chert
8	Primary flake - tan chert	25	Primary flake - gray chert
9	Primary flake - tan chert	26	Primary flake - gray chert
10	Possible Angostura Point	27	Primary flake - gray chert
11	Secondary flake - tan chert	28	Primary flake - gray chert
12	Primary flake - tan chert	29	Primary flake - tan chert
13	Primary flake - gray chert	30	Primary flake - gray chert
14	Primary flake - tan chert	31	Primcry flake - tan chert
15	Primary flake - gray chert	32	Primary flake - tan oolitic
16	Secondary flake - tan chert	33	Primary flake - tan chert
17	Primary flake - white chert		

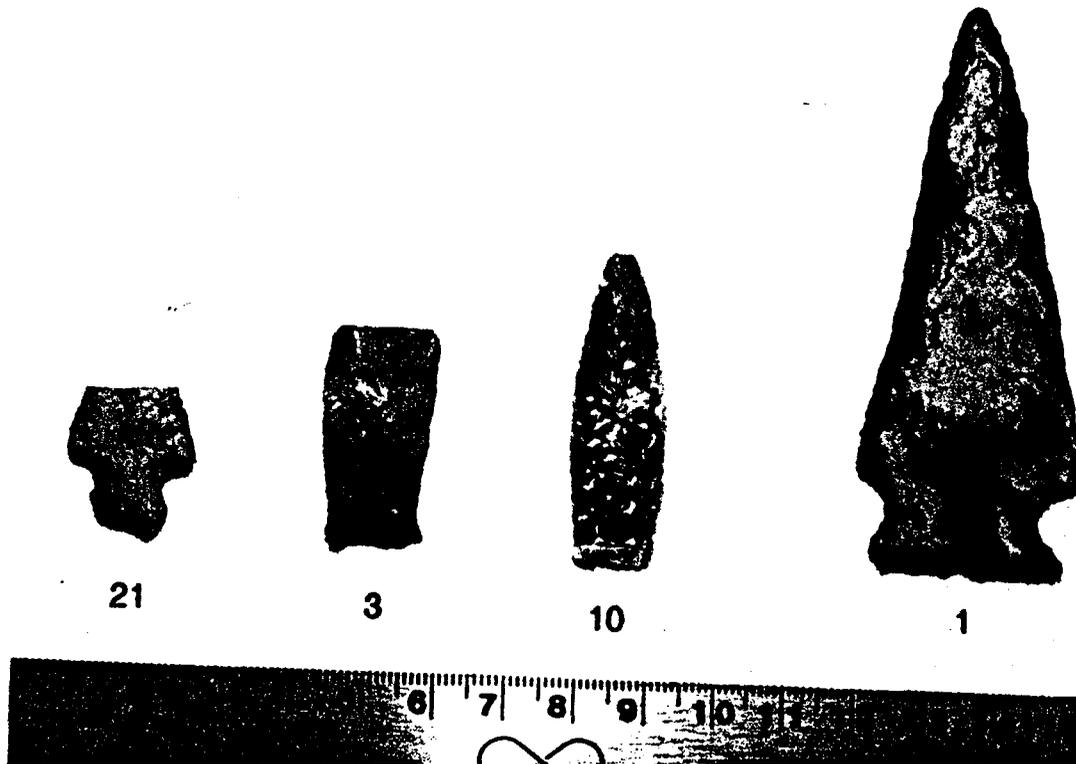


Figure 11. Specimens 21, 3, 10 and 1.

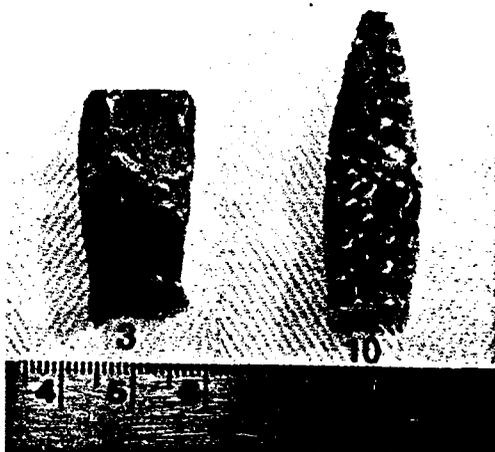


Figure 12. Specimens 3 and 10.



Figure 13. Specimen 10.

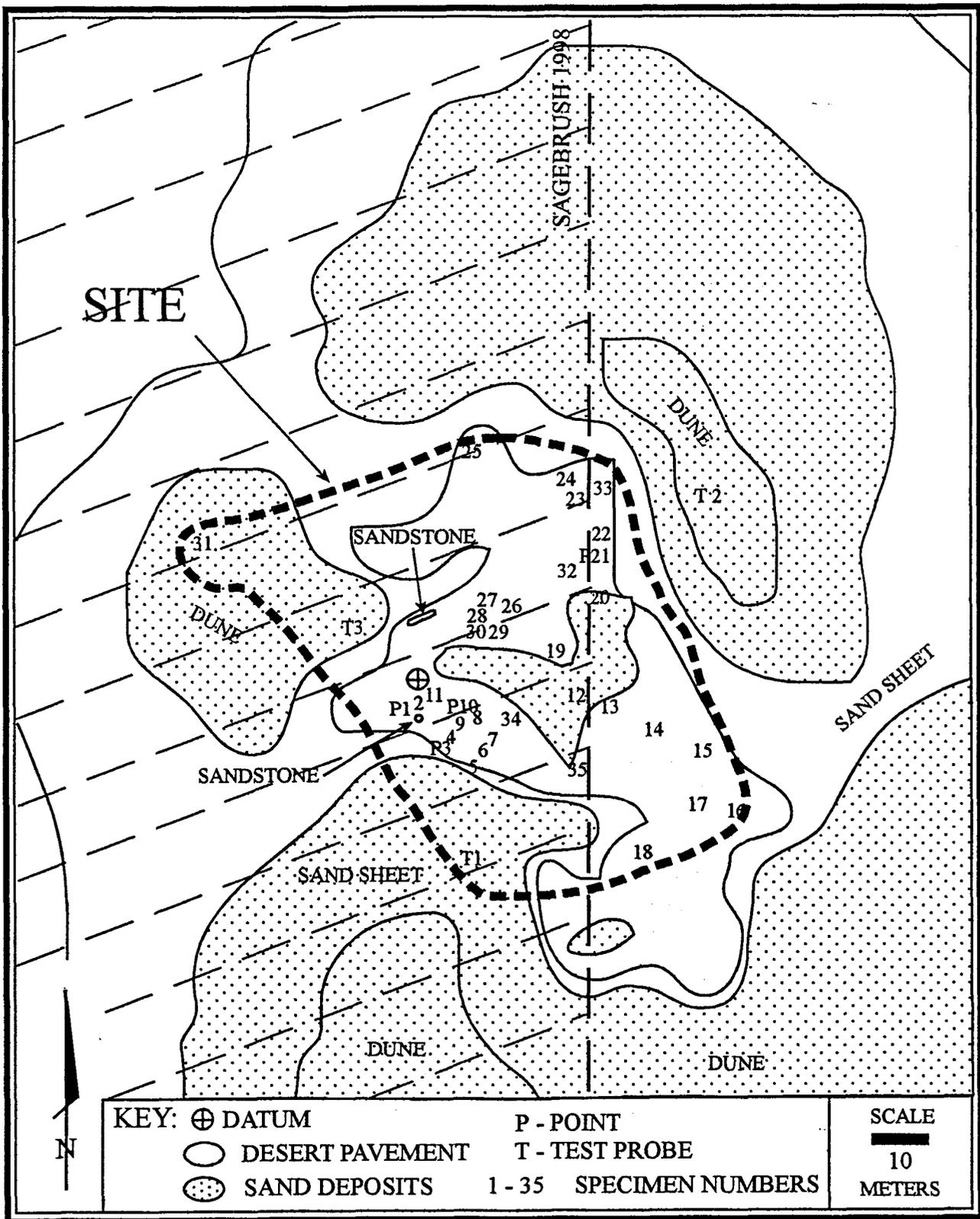


Figure 14. Plan map of site 42DC1250.

**Site Number:** 42DC1287

**Temp Number:** 9-32-1

**Figure Numbers:** 4 and 15

**Site Type:** Lithic Scatter/Can scatter

**Cultural Affiliation:** Unknown Aboriginal/Euro-Am

**Setting:** The site is located just off a small finger ridge on a bench.

**Description:** The site is a sparse lithic scatter and can scatter that extends over a 54 by 36 meter area. Artifacts on site are comprised of two secondary flakes, one primary flake, one core, three bifaces and a scraper. No diagnostics, debitage concentrations, or features were observed. The historic component is comprised of one "Punch Here" condensed milk can, two tobacco tins, one log cabin syrup can, and one olive oil can. The artifacts were probably dumped from the adjacent dirt road and have been secondarily deposited by alluvial forces. Soils are very rock with some outcrops. potential for subsurface deposits is extremely low. The site is impacted by erosion.

**National Register Assessment:** The site is an extremely sparse lithic and tool scatter with an historic component represented by several tin cans. The prehistoric tool assemblage is comprised of three bifaces and a scraper. No diagnostics, features, or debris concentrations are associated with the prehistoric component. Soils are very rock and some sandstone outcrops are present. There is an unlikely potential that these soils contain cultural deposits at depth. Given the nature of the site, the sparsity of the lithic debitage, lack of diagnostic tools, concentrations, and features, as well as the lack of potential for subsurface cultural deposits, it does not have the capacity to lend additional information regarding the cultural history of the region.

The site does not meet the requirements of Criteria D of the NRHP and is therefore recommended as **ineligible** for the National Register. The historic component of the site consists of seven cans a wire. No features or structures are associated with the debris. The artifacts date generally between 1935-1945, indicated by a single "Punch Here" milk can (Simonis Type #17). It does not meet any of the NRHP criteria and is recommended **ineligible** for the NRHP.

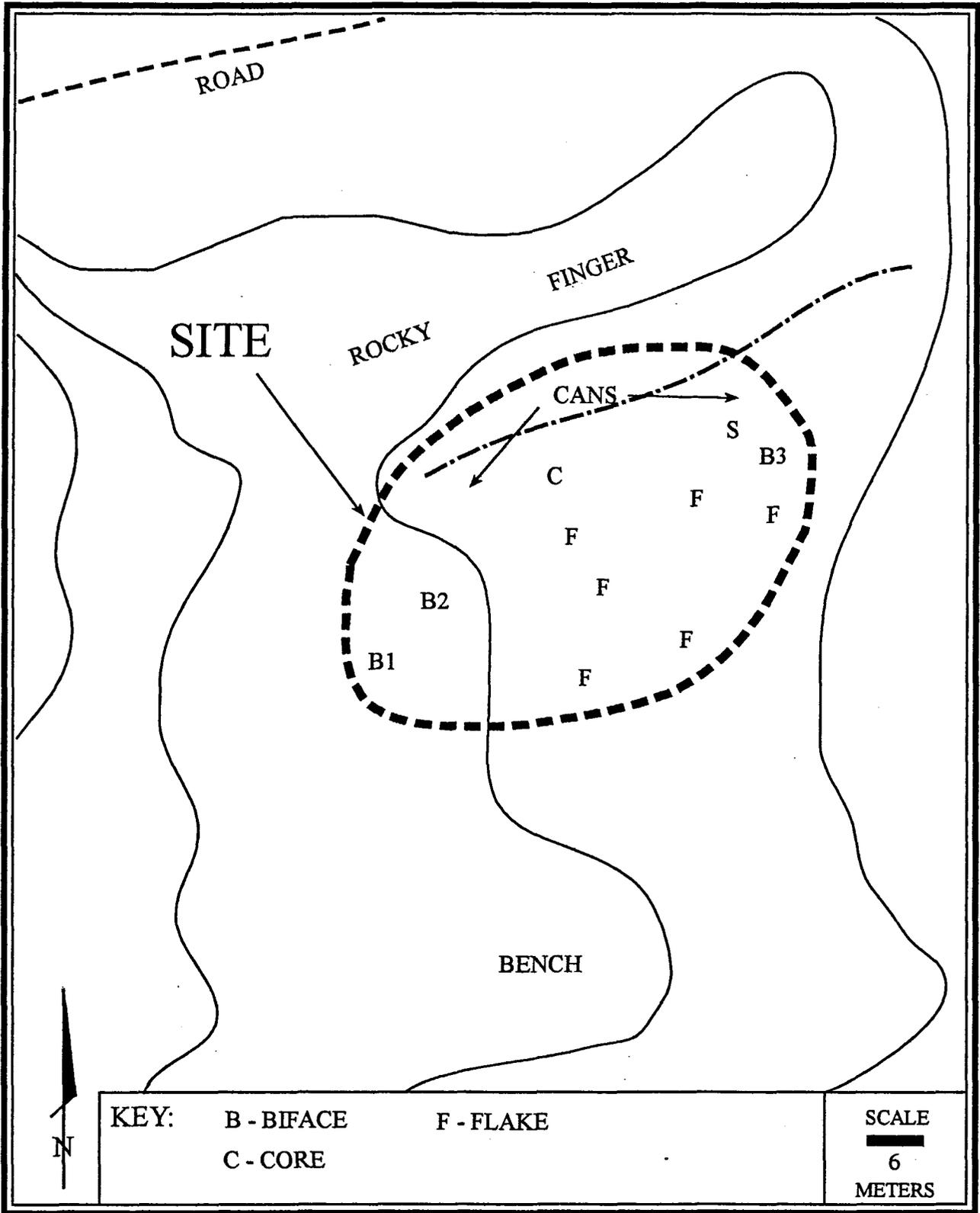


Figure 15. Plan map of site 42DC1287.

**Site Number:** 42DC1288

**Temp Number:** 16-32-1

**Figure Numbers:** 4 and 16

**Site Type:** Lithic Scatter

**Cultural Affiliation:** Unknown Aboriginal

**Setting:** The site is located on narrow finger ridge overlooking Wells Draw.

**Description:** The site is a lithic scatter that extends over a 50 by 30 meter area. The site consists of approximately 25 flakes of tan oolitic and white cherts and a bifacially reduced, white chert core. The dominant flaking pattern stage represented is secondary. Primary flakes and shatter were also present. No worked tools, debitage concentrations, or fire-cracked rock was found on site. Soils on site consist of orange/tan sand with sandstone outcroppings. Deflation is occurring in the area and there is a light sandsheet above the bedrock. Depositional context is both aeolian and residual. Impact agents include erosion and grazing.

**National Register Assessment:** The lithic scatter is located on a narrow ridgeline of containing shallow soils with some outcrops. No diagnostic tools were located, artifact concentrations, or features that would suggest subsurface deposits. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site is recommended as **ineligible** for NRHP inclusion.

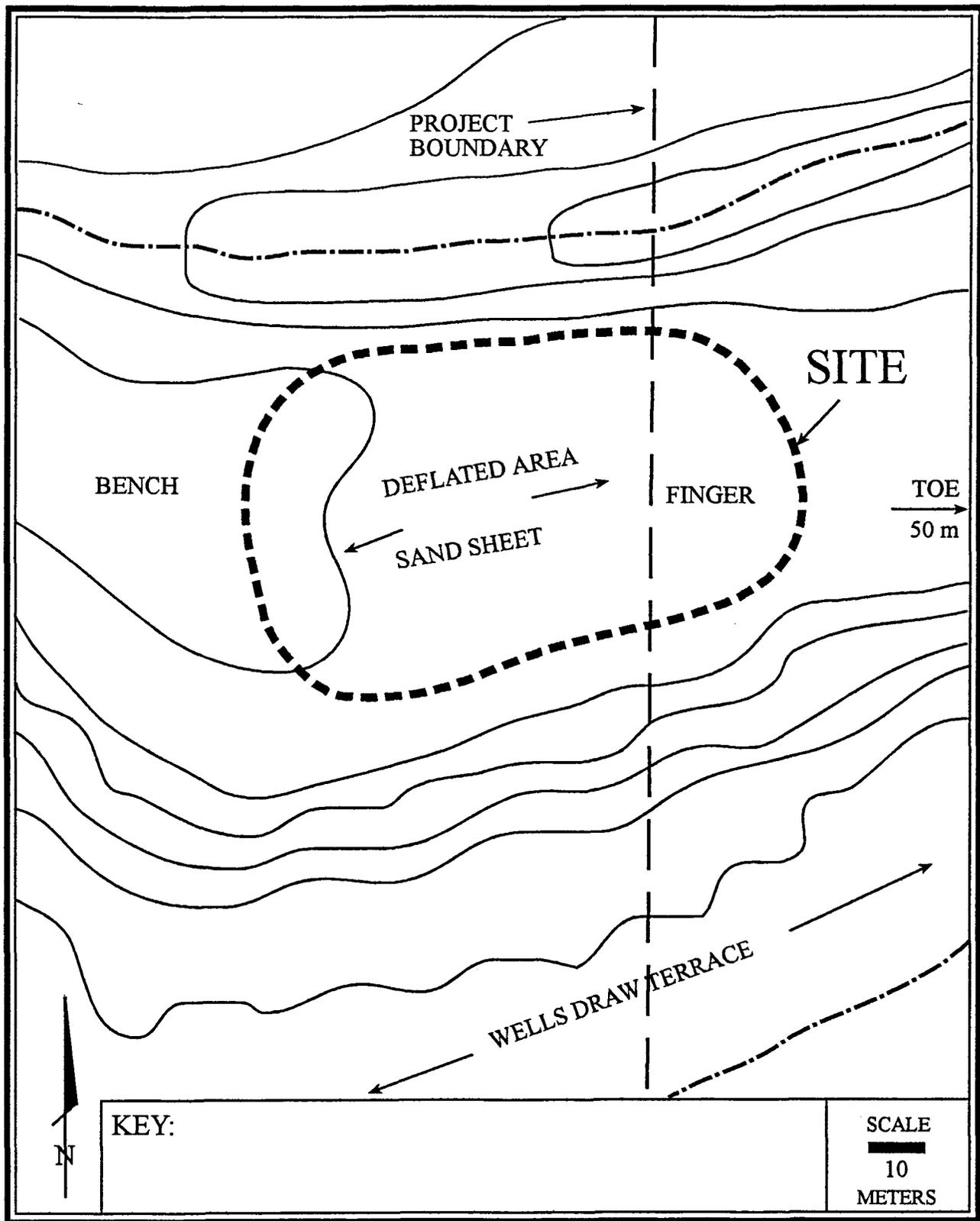


Figure 16. Plan map of site 42DC1288.

**Site Number:** 42DC1289

**Temp Number:** 1A-10-1

**Figure Numbers:** 4 and 17

**Site Type:** Lithic Scatter/possible campsite

**Cultural Affiliation:** Unknown Aboriginal

**Setting:** The site is located between two intermittent drainages in an area of low dunes/sand sheets.

**Description:** The site is a lithic scatter primarily contained in two loci located in deflated areas. The site extends over a 220 by 160 meter area. Lithic debitage on site consists of two oolitic secondary flakes, three fine-grained gray chert flakes, and 20-60 primary flakes of a gray slate-like material. The possibility exists that some of this debitage is the result of natural forces. The desert pavement areas of the site, where all of this material is located, contains evidence for standing water during certain times of the year. No lithic material was found on the sand deposits. Lithic tools noted on the site include a biface of white chert and a bifacially worked spall knife. Also, five areas of the site contain small sandstone slabs that likely were transported to the site. Currently these sandstone areas appear as surface sandstone manifestations, both on the dunes and desert pavement areas. These areas may have represented hearths, but this is uncertain as the slabs are out of context with no evidence of ashy soils or associated FCR. Sandstone Area 1 consists of six sandstone pieces ranging in size from 10-20cm. The pieces are located in a 1 by 1.5 meter area. Sandstone Area 2 consists of three pieces ranging in size from 10-15cm and aligned in a linear fashion in a 1 meter area. Sandstone Area 3 consists of five sandstone pieces that are 5-10cm in size and are located in a .5 by 1.5 meter area. Areas 1, 2, and 3, are located in sand deposits along the north end of the site. Sandstone Area 4 consists of 2-4 sandstone pieces, of approximately 5-15cm in size, in a 50cm diameter area. Sandstone Area 5 consists of three sandstone pieces ranging in size from 7-24cm. These are found in a 1 by .5 meter area. Sandstone Area 4 is located on desert pavement in Locus 2 while Sandstone Area 5 is located on desert pavement in Locus 1. The lithic material and tools are widely scattered across the site with the majority of the material appearing on the desert pavement in Loci 1 and 2.

**National Register Assessment:** The lithic scatter is sparse scatter of flakes over two desert pavement loci. Much of the debitage identified on site is from gray slate-like materials. Identified tools present consists of a biface and knife. Also, five sandstone surface manifestations were located on the desert pavement and surrounding dunes. These sandstone locations may have represented cultural features at one time, but none can be identified as such, due to their current very poor condition. Further, no artifacts are associated with them. The overall integrity of the site is poor, and its surface exhibits no known data which will provide further information for chronology, settlement patterns, or technology. Because some potential may exist in the dunes for buried features, is recommended the site be tested. Therefore, the site is recommended as **unevaluated**.

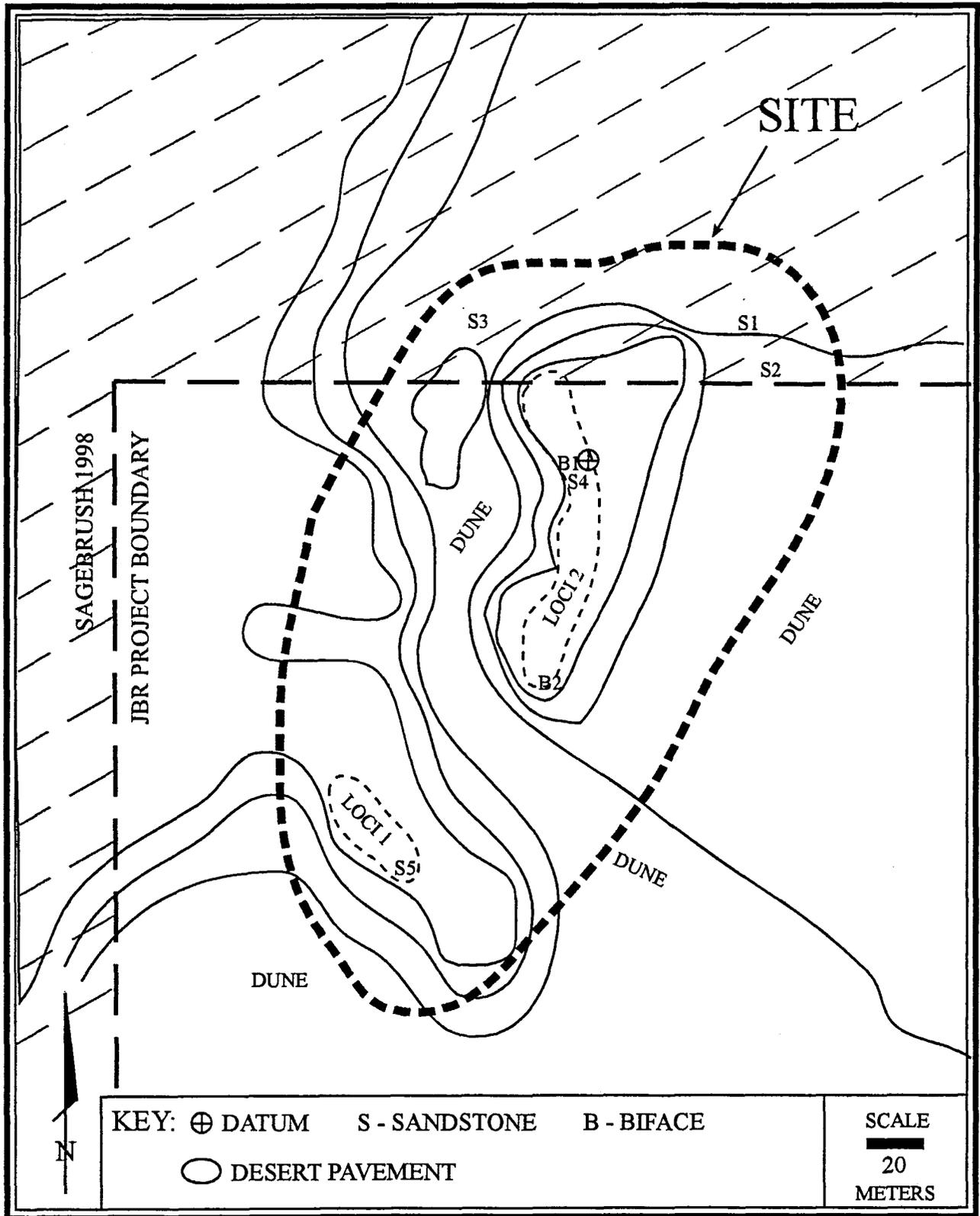


Figure 17. Plan map of site 42DC1289.

## 9.0 SUMMARY AND RECOMMENDATIONS

The Class III inventory identified one previously recorded cultural resource site and seven newly recorded sites. Of the seven newly recorded sites, three are recommended as eligible for the National Register of Historic Places (42DC1247, 42DC1249, and 42DC1250), one is recommended as being unevaluated (42DC1289) and the remaining three sites (42DC1248, 42DC1287, and 42DC1388) being recommended as ineligible. The previously recorded site (42DC795) was recommended as ineligible. 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, seven 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 four prehistoric sites (42DC795, 42DC1247, 42DC1248, 42DC1287), and one prehistoric/historic site (42DC1288). Of these 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 three prehistoric sites (42DC1249, 42DC1250, and 42DC1289). Site 42DC1249 represents a prehistoric campsite with intact features, 42DC1250 is a possible Paleo period site as indicated by the tool assemblage, and 42DC1289 is a lithic scatter/prehistoric campsite. It is recommended that sites 42DC1247, 42DC1249, 42DC1250, and 42DC1289 be avoided during any well expansion development.

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 9-10, and in-fill locations 1-10, and 1 in the Castle Draw Unit by Inland Resources will not affect any known significant cultural resource properties.

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

1. Personnel and equipment associated with the project should be restricted to the area cleared for the project.
2. Personnel associated with the project should refrain from collecting or otherwise disturbing cultural materials that may be encountered during development.

3. If unrecorded cultural materials are encountered during the project, activities in the affected area(s) should cease, and the appropriate State office (SHPO), or BLM office, Vernal District should be notified before development in the area is resumed.
  
4. Human burials or other physical remains encountered during the project, require immediate cessation of activity in the affected area, as well as immediate notification of proper authorities. Native American burials or other remains must be reported to the BLM, Utah SHPO and appropriate Native American groups.

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**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/07/2000

API NO. ASSIGNED: 43-013-31676
--------------------------------

WELL NAME: WELLS DRAW 15-32-8-16  
 OPERATOR: INLAND PRODUCTION ( N5160 )  
 CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

SWSE 32 080S 160E  
 SURFACE: 0738 FSL 1824 FEL  
 BOTTOM: 0738 FSL 1824 FEL  
 DUCHESNE  
 MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	<i>JSK</i>	3-16-00
Geology		
Surface		

LEASE TYPE: 3 - *State*  
 LEASE NUMBER: ML-21836  
 SURFACE OWNER: 3-*State*

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. RN4471291 )
- 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 Wells Draw (GP)
- R649-3-2. General  
Siting: \_\_\_\_\_
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: Need Presite. (Conducted 3/3/00)

STIPULATIONS: ① STATEMENT OF BASIS



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

**Operator Name:** Inland Production Company  
**Name & Number:** Wells Draw #15-32-8-16  
**API Number:** 43-013-31676  
**Location:** 1/4,1/4 SW/SE Sec. 32 T. 8S R. 16E

**Geology/Ground Water:**

Inland has proposed setting 300 feet of surface casing at this location. A search of records from the Division of Water Rights shows no water wells within 10,000 feet of the center of section 2. Several surface water diversions are indicated but are over a mile from the proposed location. The depth to the moderately saline water is estimated to be approximately 500 feet. The proposed casing should be adequate to protect ground water at this location.

**Reviewer:** Brad Hill  
**Date:** 03/15/00

**Surface:**

A presite investigation of the surface are was done by the Roosevelt Field Office personal on March 3, 2000. State Lands (SITLA) and the Division of Wildlife Resources were both notified regarding the date and time of this onsite meeting , neither agency attended. The operator has proposed a berm around the entire location; they have also proposed berming for all future locations. A culvert at beginning of access might be needed to gather and protect existing gas pipelines from damage.

**Reviewer:** Dennis L. Ingram  
**Date:** March 7, 2000

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

1. If blasting is used to build reserve pit a 12 mil liner shall be properly installed.  
(Wells Draw Wash is located to the southeast with potential shallow subsurface water  
And fracturing from blasting could cause contamination of same).

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

OPERATOR: Inland Production Company  
WELL NAME & NUMBER: Wells Draw Unit #15-32-8-16  
API NUMBER: 43-013-31676  
LEASE: ML-21836 FIELD/UNIT: Wells Draw Unit  
LOCATION: 1/4, 1/4 SW/SE Sec: 32 TWP: 8S RNG: 16E 738.2 FSL 1823.9 FEL  
LEGAL WELL SITING:      F SEC. LINE;      F 1/4, 1/4 LINE;      F ANOTHER WELL.  
GPS COORD (UTM):     12 573309E; 4435821N  
SURFACE OWNER: State Lands (SITLA)

PARTICIPANTS

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

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Location is set on eastern bench approximately 1/4 mile east of the Wells Draw road and 1400 feet northwest of Wells Draw, with the surface area sloping southeast toward draw in tabletop desert habitat just south of Pleasant Valley.

SURFACE USE PLAN

CURRENT SURFACE USE: Livestock and wildlife grazing

PROPOSED SURFACE DISTURBANCE: Have proposed 750' of new access road in from north/northwest with a location disturbance of 305'x 220' with Topsoil piles inside corner #4 and on east end of location #6, #7, #8.

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

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production Facilities shall be located on location. Residue and sales gas line Will run along access road and tie into main system at entrance.

SOURCE OF CONSTRUCTION MATERIAL: Cut and fill or borrowed material

ANCILLARY FACILITIES: None required or proposed by operator.

WASTE MANAGEMENT PLAN:

Submitted to DOGM with application to drill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None effected

FLORA/FAUNA: Desert flora typical of region, shadscale, prickly pear Cactus, native grasses, Fauna also typical, antelope, deer, coyote, Fox, raccoon, rabbit, birds of prey, other small birds and mammals and insects.

SOIL TYPE AND CHARACTERISTICS: Tan to light brown fine-grained sandy Loam

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

EROSION/SEDIMENTATION/STABILITY: Some erosion present, minor Sedimentation, no stability problems anticipated.

PALEONTOLOGICAL POTENTIAL: None observed during presite visit

RESERVE PIT

CHARACTERISTICS: Proposed uphill in cut on north side of location and Measuring 40'x 90'x 8' deep.

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

SURFACE RESTORATION/RECLAMATION PLAN

According to State Lands or SITLA stipulations at time of reclamation

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Submitted to DOGM with application to Drill

OTHER OBSERVATIONS/COMMENTS

Southeast sloping surface toward Wells Draw. Well was moved north, as original staking fell in a drainage to the south that drains into Wells Draw (New staking has corrected problem).

ATTACHMENTS:

Photos attached

Dennis L. Ingram  
DOGM REPRESENTATIVE

03/03/00 9:34 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>
<b>Final Score (Level II Sensitivity)</b>		<u>15</u>



UTAH DIVISION OF WATER RIGHTS  
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO	POINT OF DIVERSION DESCRIPTION
				DIAMETER DEPTH YEAR LOG NORTH EAST	CNR SEC TWN RNG B&M
0	47 1572	.0000	.00	Unnamed Stream	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management		170 South 500 East	Vernal
1	47 1588	.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 1590	.0000	.00	Wells Draw	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management		170 South 500 East	Vernal
3	47 1802	1.3000	.00	Green River & Underground Wate	N 1850 E 660 SW 33 8S 16E SL
		WATER USE(S): OTHER			PRIORITY DATE: 04/23/199
		PG & E Resources Company		410 17th Street, Suite 700	Denver
		PG & E Resources Company		4849 Greenville Avenue, Suite 1200	Dallas

4	<u>47 1587</u>	.0000	.00 unnamed stream		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management	170 South 500 East		Vernal
5	<u>47 1305</u>	.0000	.00 Wells Canyon Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management	2370 South 2300 West		Salt Lake City
6	<u>47 1495</u>	.0000	.00 Pleasant Valley Wash		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		State of Utah School & Institutional Tru	675 East 500 South, 5th Floor		Salt Lake City
7	<u>47 1496</u>	.0000	.00 Wells Draw		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		State of Utah School & Institutional Tru	675 East 500 South, 5th Floor		Salt Lake City
7	<u>47 1496</u>	.0000	.00 Wells Draw		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		State of Utah School & Institutional Tru	675 East 500 South, 5th Floor		Salt Lake City
8	<u>47 1304</u>	.0000	.00 Wells Canyon Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management	2370 South 2300 West		Salt Lake City
9	<u>47 1309</u>	.0000	.00 Pleasant Valley Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management	2370 South 2300 West		Salt Lake City

---

Well name:	<b>3-00 Inland WDU #15-32-8-16</b>		
Operator:	<b>Inland</b>	Project ID:	43-013-31676
String type:	Surface		
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: March 16,2000  
 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:

**3-00 Inland WDU #15-32-8-16**Operator: **Inland**String type: **Production**

Project ID:

43-013-31676

Location: **Duchesne Co.****Design parameters:****Collapse**Mud weight: 8.330 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 191 ft

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

No backup mud specified.

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

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 5,681 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
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 ResourcesDate: March 16,2000  
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.*

3-00 Inland WDU #15-32-8

Casing Schematic

Surface

8-5/8"  
MW 8.4  
Frac 19.3

TOC @  
191.  
Surface  
300. MD

TOC @  
1.

8%

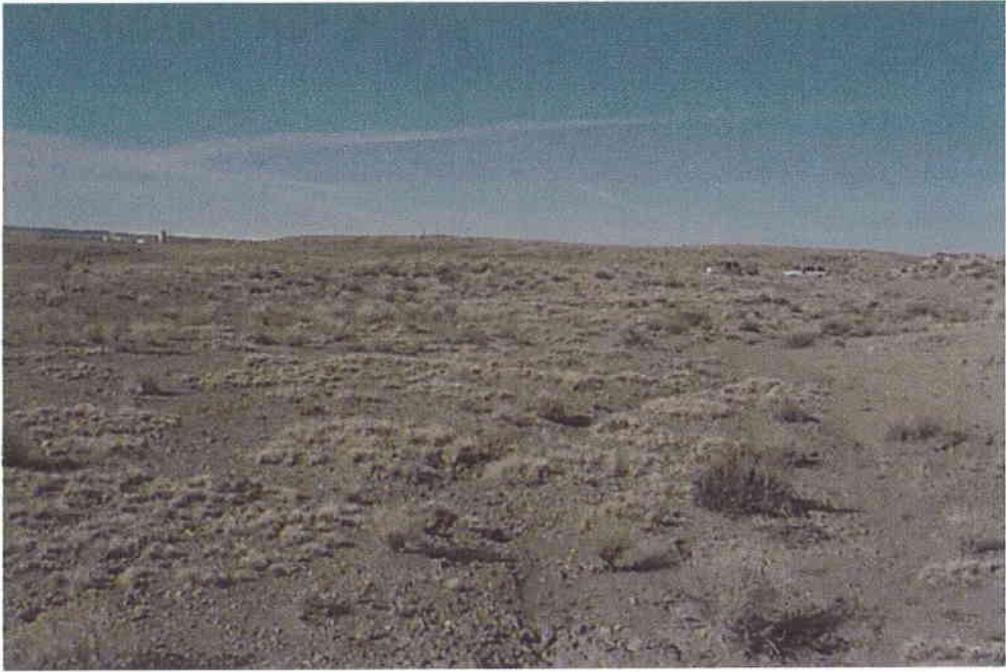
15%

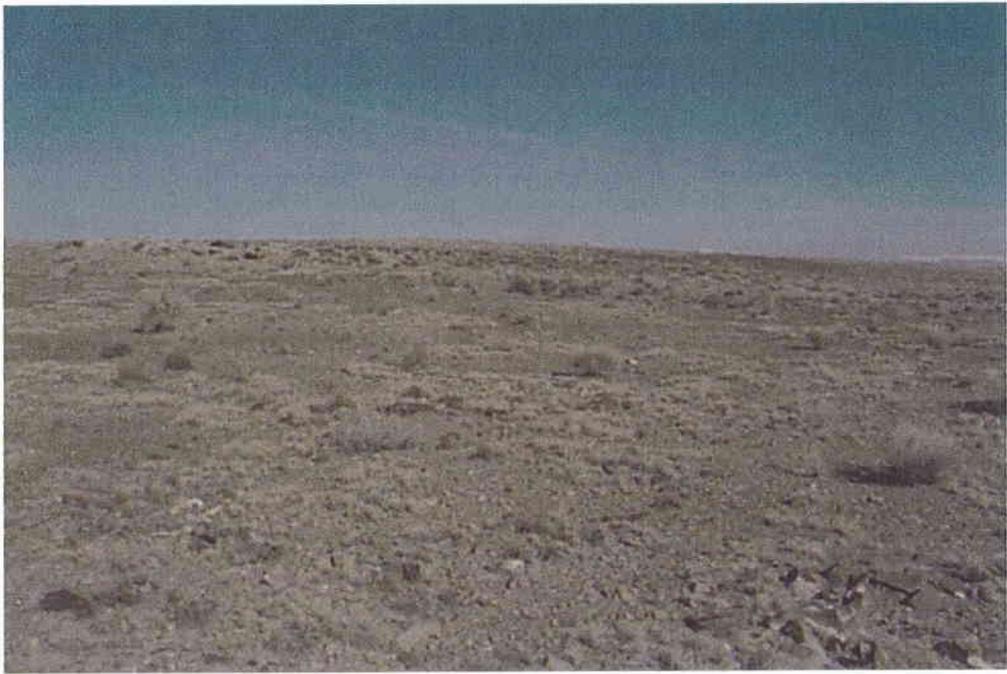
*Cement Tops  
w/ - % hole  
washout.*

5-1/2"  
MW 8.3

Production  
6500. MD















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

801-358-3940 (Fax)

801-538-7223 (TDD)

March 16, 2000

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

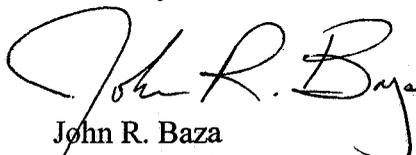
Re: Wells Draw 15-32-8-16 Well, 738' FSL, 1824' FEL, SW SE, Sec. 32, T. 8S, R. 16E,  
Duchesne Co., Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31676.

Sincerely,

  
John R. Baza  
Associate Director

al

Enclosures

cc: Duchesne County Assessor  
Utah School and Institutional Trust Lands Administration  
Bureau of Land Management, Vernal

**Operator:** Inland Production Co

**Well Name & Number:** Wells Draw 15-32-8-16

**API Number:** 43-013-31676

**Lease:** ML-21836

**Location:** SW SE      **Sec.** 32      **T.** 8 S      **R.** 16E

### 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 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 shall 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: WELLS DRAW 15-32-8-16

Api No. 43-013-31676 Lease Type: STATE

Section 32 Township 08S Range 16E County DUCHESNE

Drilling Contractor UNION DRILLING RIG # 14

SPUDDED:

Date 03/29/2000

Time 2:00 PM

How ROTARY

Drilling will commence \_\_\_\_\_

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 03/30/2000 Signed: CHD



April 3, 2000

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 3160-5, for the Wells Draw 15-32-9-16. 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

*pw*

**RECEIVED**

APR 05 2000

DIVISION OF  
OIL, GAS AND MINING

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (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.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <p style="text-align: center;"><b>ML - 21836</b></p>	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <p style="text-align: center;">N/A</p>	
<b>2. NAME OF OPERATOR</b> <p style="text-align: center;"><b>INLAND PRODUCTION COMPANY</b></p>		<b>7. UNIT AGREEMENT NAME</b>  <p style="text-align: center;"><b>Wells Draw Unit</b></p>	
<b>3. ADDRESS OF OPERATOR</b> <p style="text-align: center;"><b>Route 3, Box 3630 Myton, Utah 84052</b> <b>(435) 646-3721</b></p>		<b>8. FARM OR LEASE NAME</b>  <p style="text-align: center;"><b>Wells Draw</b></p>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1824' FSL &amp; 738' FS SW/SE</b>		<b>9.</b>  <p style="text-align: center;"><b>15-32-8-16</b></p>	
<b>14 API NUMBER</b> <p style="text-align: center;"><b>43-013-31676</b></p>		<b>10 FIELD AND POOL, OR WILDCAT</b>  <p style="text-align: center;"><b>Monument Butte</b></p>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.)  <p style="text-align: center;"><b>5755' GR</b></p>		<b>11 SEC. T. R. M. OR BLK. AND SURVEY OR AREA</b>  <p style="text-align: center;"><b>Sec 32, T8s, R16E</b></p>	
<b>12 COUNTY OR PARISH</b>  <p style="text-align: center;"><b>Duchesne</b></p>		<b>13 STATE</b>  <p style="text-align: center;"><b>UT</b></p>	

**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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
	FRACTURE TREATMENT <input type="checkbox"/>
	ALTERING CASING <input type="checkbox"/>
	SHOOTING OR ACIDIZING <input type="checkbox"/>
	ABANDONMENT* <input type="checkbox"/>
	(OTHER) <u>Surface Spud</u> <input checked="" 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 UNION RIG # 14. Set equipment. Drill mouse hole & rat hole. Spud well @ 2:00 PM ON 3/29/00. Drill 17 1/4" hole and set 23' of 13 3/8" conductor. Nipple up cellar. Drill 12 1/4" hole with air mist to a depth of 343'. TIH w/ 8 5/8" J-55 csg. Landed @ 304.1 w/KB. Cement with \*141sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Estimated 3 bbls cement to surface. WOC 4 hours. Break out & Nipple up BOP's. Pressure test Kelly, TIW, Choke manifold, & BOP's TO 2000 psi. Test 8 5/8" CSG. TO 1500 PSI. ALL TESTED GOOD. Utah DOGM & Vernal District BLM notified by phone. Drill 7 7/8" hole with water mist to a depth of 3816'.

18 I hereby certify that the foregoing is true and correct

SIGNED *Pat W. Bener* TITLE Drilling Foreman DATE 04/03/2000

---

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY \_\_\_\_\_

\* See Instructions On Reverse Side

RECEIVED

APR 05 2000

DIVISION OF  
OIL, GAS AND MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 304.1

LAST CASING 8 5/8" SET AT 304.1  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER \_\_\_\_\_ LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR INLAND PRODUCTION COMPANY  
 WELL Wells Draw 15-32-8-16  
 FIELD/PROSPECT NMB  
 CONTRACTOR & RIG # UNION RIG 14

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					12.4
		WHI " 92 " CSG HEAD			8rd	A	0.9
7	8 5/8"	Maverick SC&T CSG	24	J-55	8rd	A	292.25
		SHOE - <b>GUIDE</b>			8rd	A	0.95

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	306.5
TOTAL LENGTH OF STRING	306.5	7	LESS CUT OFF PIECE	294.1
LESS NON CSG. ITEMS	14.25		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	0	0	CASING SET DEPTH	<b>304.1</b>

TOTAL	292.25	7	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	292.25	7		
TIMING	1ST STAGE			
BEGIN RUN CSG.	2:00AM		GOOD CIRC THRU JOB	<u>YES</u>
CSG. IN HOLE	3:00AM		Bbls CMT CIRC TO SURFACE	<u>3 BBLS</u>
BEGIN CIRC	3:22AM		RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE	
BEGIN PUMP CMT	3:43AM		DID BACK PRES. VALVE HOLD ?	<u>N/A</u>
BEGIN DSPL. CMT			BUMPED PLUG TO _____	<u>107</u> PSI
PLUG DOWN		<b>3:45AM</b>		

CEMENT USED	CEMENT COMPANY- <b>BJ</b>		
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	141	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
2			
3			

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
1 on middle of first JT, 1 collar of the second & third JT. TOTAL 3	

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

OPERATOR: INLAND PRODUCTION COMPANY  
 ADDRESS: RT. 3 BOX 3650  
MIYTON, UT 84652

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	99999	12276	43-013-31676	Wells Draw #15-32-B-16	SWSE	32	8S	16E	Duchesne	March 13, 2000	April 1, 1994

WELL 1 COMMENTS:  
 Union rig #14 spud at 2 PM *entity added 040300*

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

WELL 2 COMMENTS:

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

WELL 3 COMMENTS:

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

WELL 4 COMMENTS:

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

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

*Coe Mathison*  
 Signature

Sr. Production Accounting Clerk March 31, 2000  
 Title Date

MAR-31-00 FRI 09:29 AM INLAND PRODUCTION CO FAX NO. 435 646 3031 P. 03

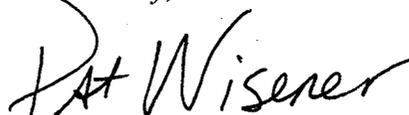


April 10, 2000

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 3160-5, for the Wells Draw 15-32-9-16. 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

*pw*

**RECEIVED**

APR 11 2000

DIVISION OF  
OIL, GAS AND MINING

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 21836</b>	
(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  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>Wells Draw Unit</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>Wells Draw</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. <b>15-32-8-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1824' FSL &amp; 738' FS SW/SE</b>		10 FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>	
		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 32, T8s, R16E</b>	
14 API NUMBER <b>43-013-31676</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5755' GR</b>	12 COUNTY OR PARISH <b>Duchesne</b>	13 STATE <b>UT</b>

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

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

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.)\*

Weekly Status for the period of 4/3/00 to 4/9/00.

TOH with drill string. PU & MU bit #4, MM, BHA, drill string and drill to a depth of 5998' with water based mud. TOH & lay down drill string & BHA. Open hole log. PU & MU 138 JT's 4 1/2" J-55 11.6# CSG. Set @ 5959.63 KB. Cement with \* 350 sks Prem Lite 11 w/ 10 % GEL, 3 % KCL mixed to 11.0 ppg >3.43 YLD. \*550 sks 50/50 POZ w/ 3% GEL, 3% KCL mixed to 14.4 ppg >1.24 YLD. Plug down @ 10:54 pm on 4/5/00. Plug held. good circulation with 15 bbls dye water to surface. Nipple down BOP's. Drop slips with 60,000# string weight. Release rig 3:30 am on 4/6/00.  
WAIT ON COMPLETION.

18 I hereby certify that the foregoing is true and correct

SIGNED *Pat Wisner* TITLE Drilling Foreman DATE 04/10/2000

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

APR 11 2000

DIVISION OF  
OIL, GAS AND MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

4 1/2" CASING SET AT 5959.63

LAST CASING 8 5/8" SET AT 304.10  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5998 LOGGER'S TD 6009  
 HOLE SIZE 7 7/8'

OPERATOR INLAND PRODUCTION COMPANY  
 WELL Wells Draw 15-32-8-16  
 FIELD/PROSPECT NMB  
 CONTRACTOR & RIG # UNION RIG 14

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
137	4 1/2"	Maverick LT & C CSG	11.6	J-55	8rd	A	5940.19
		Float Collar ( auto fill )			8rd	A	0.6
1	4 1/2'	Maverick LT & C CSG	11.6	J-55	8rd	A	30.19
		SHOE - <b>GUIDE</b>			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5971.63
TOTAL LENGTH OF STRING	5971.63	138	LESS CUT OFF PIECE	22
LESS NON CSG. ITEMS	1.25		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	124.41	3	CASING SET DEPTH	<b>5959.63</b>

TOTAL	6094.79	141	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	6094.79	141	
TIMING	1ST STAGE	2nd STAGE	
BEGIN RUN CSG.	4:30PM		GOOD CIRC THRU JOB <u>YES</u>
CSG. IN HOLE	8:00PM		Bbls CMT CIRC TO SURFACE <u>15 BBLs DYE WATER.</u>
BEGIN CIRC	8:20PM		RECIPROCATED PIPE FOR <u>mins</u> THRU <u>FT</u> STROKE
BEGIN PUMP CMT	9:43PM	10:15PM	DID BACK PRES. VALVE HOLD ? <u>yes</u>
BEGIN DSPL. CMT		10:39PM	BUMPED PLUG TO <u>1460</u> PSI
PLUG DOWN		10:54PM	

CEMENT USED	CEMENT COMPANY- <u>BJ</u>	<b>RECEIVED</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	350	Prem Lite II w/ 10% GEL & 3% KCL mixed to 11.0 ppg > 3.43 YLD
2	550	50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.4 ppg > 1.24 YLD
3		

**APR 11 2000**  
**DIVISION OF OIL, GAS AND MINING**

**CENTRALIZER & SCRATCHER PLACEMENT** **SHOW MAKE & SPACING**

1 on middle of first JT, 1 collar of the second & third JT. Then every third for a total of 20.



April 24, 2000

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 3160-5, for the Wells Draw 15-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,  
  
Gary Dietz  
Completion Foreman

Enclosures

gd

**RECEIVED**  
APR 25 2000  
DIVISION OF  
OIL, GAS AND MINING

FORM 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

5. Lease Designation and Serial No.  
**ML-21836**

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
Wells Draw unit

8. Well Name and No.  
**Wells Draw 15-32-8-16**

9. API Well No.  
43-013-31676

10. Field and Pool, or Exploratory Area  
**Monument Butte**

11. County or Parish, State  
Duchesne County Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

**Rout #3 Box 3630 Myton, Utah 84052 435-646-3721**

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

1824' FSL & 738' FSL SW/SE Section 32, T8S, R16E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Status report**  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

13. 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.)\*

Status report for time period 4/17/00 through 4/23/00.  
Subject well had completion procedures initiated on 4/17/00. Multiple sets of Green River zones were perforated. Each zone was individually hydraulically fractured with one zone remaining to be fraced at this time.

**RECEIVED**

APR 25 2000

DIVISION OF  
OIL, GAS AND MINING

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

Signed Gary Dietz Title **Completion Foreman** Date **24-Apr-00**

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:  
CC: Utah DOGM

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

\*See Instruction on Reverse Side



May 1, 2000

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 Wells Draw 15-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz  
Completion Foreman

Enclosures

gd

**RECEIVED**

**MAY 02 2000**

**DIVISION OF  
OIL, GAS AND MINING**

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (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.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <p style="text-align: center;"><b>ML - 21836</b></p>	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <p style="text-align: center;">N/A</p>	
<b>2. NAME OF OPERATOR</b> <p style="text-align: center;"><b>INLAND PRODUCTION COMPANY</b></p>		<b>7. UNIT AGREEMENT NAME</b>  <p style="text-align: center;"><b>Wells Draw Unit</b></p>	
<b>3. ADDRESS OF OPERATOR</b> <p style="text-align: center;"><b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b></p>		<b>8. FARM OR LEASE NAME</b>  <p style="text-align: center;"><b>Wells Draw</b></p>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p style="text-align: center;"><b>1824' FSL &amp; 738' FS SW/SE</b></p>		<b>9.</b>  <p style="text-align: center;"><b># 15-32-8-16</b></p>	
<b>14 API NUMBER</b> <p style="text-align: center;"><b>43-013-31676</b></p>		<b>10 FIELD AND POOL, OR WILDCAT</b>  <p style="text-align: center;"><b>Monument Butte</b></p>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.)  <p style="text-align: center;"><b>5755' GR</b></p>		<b>11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b>  <p style="text-align: center;"><b>Sec 32, T8s, R16E</b></p>	
<b>12 COUNTY OR PARISH</b>  <p style="text-align: center;"><b>Duchesne</b></p>		<b>13 STATE</b>  <p style="text-align: center;"><b>UT</b></p>	

**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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	

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

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

Status report for time period 4/24/00 through 4/30/00.  
Subject well had final Green River zone isolated & hydraulically fractured. A stuck packer was fished. Bridge plugs and sand plugs were removed from wellbore. Tbg strings were changed out. Zones are being swab tested to clean up sand at this time.

RECEIVED

MAY 02 2000

DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct

SIGNED <u><i>Shirley Greif</i></u>	TITLE <u>Completion Foreman</u>	DATE <u>5/1/00</u>
------------------------------------	---------------------------------	--------------------

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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

		5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 21836</b>	
1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>Wells Draw Unit</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>Wells Draw</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. <b># 15-32-8-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1824' E 1/2 &amp; 738' FS, SW/SE</b>		10. FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 32, T8s, R16E</b>	
14. API NUMBER <b>43-013-31676</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5755' GR</b>	12. COUNTY OR PARISH <b>Duchesne</b>	13. STATE <b>UT</b>

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"/>		(OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>	
(OTHER) _____ <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Status report for time period 5/1/00 through 5/7/00.  
Subject well had Zones swabbed free of sand. Production equipment was ran in well. Began producing on pump on 5/1/00.

**RECEIVED**  
**MAY 10 2000**  
**DIVISION OF**  
**OIL, GAS AND MINING**

18 I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE Completion Foreman DATE 5/8/00

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

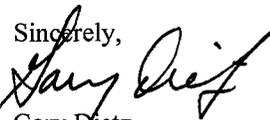


May 8, 2000

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 Wells Draw 15-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,  
  
Gary Dietz  
Completion Foreman

Enclosures

gd

**RECEIVED**

**MAY 10 2000**

**DIVISION OF  
OIL, GAS AND MINING**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

<p><b>1a. TYPE OF WORK</b></p> <p>OIL WELL <input checked="" type="checkbox"/>    GAS WELL <input type="checkbox"/>    DRY <input type="checkbox"/>    Other _____</p> <p><b>1b. TYPE OF WELL</b></p> <p>NEW WELL <input checked="" type="checkbox"/>    WORK OVER <input type="checkbox"/>    DEEPEN <input type="checkbox"/>    PLUG BACK <input type="checkbox"/>    DIFF RESVR. <input type="checkbox"/>    Other _____</p>	<p><b>5. LEASE DESIGNATION AND SERIAL NO.</b></p> <p align="center"><b>ML21836</b></p> <p><b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b></p> <p> </p> <p><b>7. UNIT AGREEMENT NAME</b></p> <p> </p> <p><b>8. FARM OR LEASE NAME, WELL NO.</b></p> <p align="center"><b>Wells raw 15-32-8-16</b></p>
---	--

<p><b>2. NAME OF OPERATOR</b></p> <p align="center"><b>INLAND RESOURCES INC.</b></p>	<p><b>9. API WELL NO.</b></p> <p align="center"><b>43-013-31676</b></p>
--	---

<p><b>3. ADDRESS AND TELEPHONE NO.</b></p> <p align="center"><b>410 17th St. Suite 700 Denver, CO 80202</b></p>	<p><b>10. FIELD AND POOL OR WILDCAT</b></p> <p align="center"><b>MONUMENT BUTTE</b></p>
---	---

<p><b>4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*</b></p> <p>At Surface <b>FEL FSL</b> <b>SW/SE 1824' FSL &amp; 738' FEL</b></p> <p>At top prod. Interval reported below</p> <p>At total depth</p>	<p><b>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA</b></p> <p align="center"><b>Section 32, T08S R16E</b></p>
---	--

<p><b>14. PERMIT NO.</b></p> <p align="center"><b>43-013-31676</b></p>	<p><b>DATE ISSUED</b></p> <p> </p>	<p><b>12. COUNTY OR PARISH</b></p> <p align="center"><b>DUCHESNE</b></p>	<p><b>13. STATE</b></p> <p align="center"><b>UT</b></p>
--	------------------------------------	--	---

<p><b>15. DATE SPUNDED</b></p> <p align="center"><b>03/29/00</b></p>	<p><b>16. DATE T.D. REACHED</b></p> <p align="center"><b>04/06/00</b></p>	<p><b>17. DATE COMPL. (Ready to prod.)</b></p> <p align="center"><b>05/01/00</b></p>	<p><b>18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*</b></p> <p align="center"><b>5765' KB    5755' GR</b></p>	<p><b>19. ELEV. CASINGHEAD</b></p> <p> </p>
--	---	--	---	---

<p><b>20. TOTAL DEPTH, MD &amp; TVD</b></p> <p align="center"><b>5996'</b></p>	<p><b>21. PLUG BACK T.D., MD &amp; TVD</b></p> <p align="center"><b>5968'</b></p>	<p><b>22. IF MULTIPLE COMPL., HOW MANY*</b></p> <p> </p>	<p><b>23. INTERVALS DRILLED BY</b></p> <p align="center">-----&gt;</p>	<p><b>ROTARY TOOLS</b></p> <p align="center"><b>X</b></p>	<p><b>CABLE TOOLS</b></p> <p> </p>
--	---	--	--	---	------------------------------------

<p><b>24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*</b></p> <p align="center"><b>Green River 4446' - 5920'</b></p>	<p><b>25. WAS DIRECTIONAL SURVEY MADE</b></p> <p align="center"><b>No</b></p>
---	---

<p><b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b></p> <p align="center"><b>DIGL/SPCDL - NGR/CL</b></p>	<p><b>27. WAS WELL CORED</b></p> <p align="center"><b>No</b></p>
---	--

<b>28. CASING RECORD (Report all strings set in well)</b>					
CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	304'	12-1/4	141 sx Class "G"	
4-1/2	15.5#	5960'	7-7/8	380 sx Premium Lite II	
				550 sx 50/50 poz	

<b>29. LINER RECORD</b>				<b>30. TUBING RECORD</b>			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	EOT @ 5793'	TA @ 5660'

<b>31. PERFORATION RECORD (Interval, size and number)</b>				<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b>	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
GB <del>4446</del> - 4462'	4 SPF	64	GB 4446-62' / D 4922-28'	GB: 45,000 20/40 SD/364 bw, D: 45,000 20/40 SD/332 bw	
D 4922 - 4928, B 5132 - 5219'	4 SPF	120	B1, B2 5132 - 5219'	68,000 20/40 SD in 395 bbls wtr	
A 5318 - 5320', LDC 5552 - 5566	4 SPF	80	LDC 5552 - 5556'	50,000 20/40 SD in 283 bbls wtr	
CP1 5859 - 5920'	4 SPF	36	CP2 5914 - 5920	36,000 20/40 SD in 271 bbls wtr	

<b>33.* PRODUCTION</b>							
<b>DATE FIRST PRODUCTION</b>		<b>PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)</b>				<b>WELL STATUS (Producing or shut-in)</b>	
<b>05/01/00</b>		<b>2-1/2" x 1-1/2" x 16' RHAC Pump</b>					
<b>DATE OF TEST</b>	<b>HOURS TESTED</b>	<b>CHOKE SIZE</b>	<b>PROD'N. FOR TEST PERIOD</b>	<b>OIL--BBL.</b>	<b>GAS--MCF.</b>	<b>WATER--BBL.</b>	<b>GAS-OIL RATIO</b>
10 day avg			-->	51	210	4	412
<b>FLOW. TUBING PRESS.</b>	<b>CASING PRESSURE</b>	<b>CALCULATED 24-HOUR RATE</b>	<b>OIL--BBL.</b>	<b>GAS--MCF.</b>	<b>WATER--BBL.</b>	<b>OIL GRAVITY-API (CORR.)</b>	
		-->					

<p><b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b></p> <p align="center"><b>Sold &amp; Used for Fuel</b></p>	<p><b>TEST WITNESSED BY</b></p> <p align="center"><b>JUN 19 2000</b></p>
--	--

<p><b>35. LIST OF ATTACHMENTS</b></p> <p><b>Logs In Item #26</b></p>	<p align="center"><b>DIVISION OF OIL, GAS AND MINING</b></p>
--	--

<p><b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from the well logs and reports.</b></p>		
<p><b>SIGNED</b> <u>Don W. Murphy</u></p>	<p><b>TITLE</b> <u>Senior Operations Engineer</u></p>	<p><b>DATE</b> <u>6/7/00</u></p>

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	TOP
	TOP	MEAS. DEPTH	TRUE VERT. DEPTH		
Garden Gulch Mkr	3892'				
Garden Gulch 2	4224'				
Point 3 Mkr	4484'				
X Mkr	4743				
Y-Mkr	4776				
Douglas Creek Mkr	4889				
BiCarbonate Mkr	5118				
B Limestone Mkr	5238				
Castle Peak	5832				
Basal Carbonate	NDE				
Total Depth	5996'				

WD 15-32-8-16

**RECEIVED**

JUN 19 2000

DIVISION OF  
OIL, GAS AND MINING



February 28, 2001

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

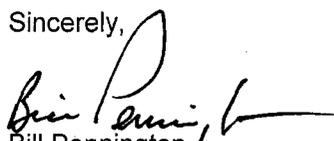
RE: Permit Application for Water Injection Well  
Wells Draw State #15-32-8-16  
Monument Butte Field, Wells Draw Unit, Lease #UTU-76787  
Section 32-Township 8S-Range 16E  
Duchesne County, Utah  
43-013-31676

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Wells Draw State #15-32-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact George Rooney at (303) 893-0102.

Sincerely,

  
Bill Pennington  
Chief Financial Officer

UIC-272.2

**RECEIVED**

MAR 08 2001

DIVISION OF  
OIL, GAS AND MINING

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**WELLS DRAW STATE #15-32-8-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**WELLS DRAW UNIT**  
**LEASE #UTU-76787**  
**FEBRUARY 28, 2001**

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ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Wells Draw #15-32-8-16

Spud Date: 3/29/2000  
 Put on Production: 5/1/2000  
 GL: 5755' KB: 5765'

51 BOPD, 210 MCFD, 4  
 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (306.5')  
 DEPTH LANDED: 304.1'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cnt.

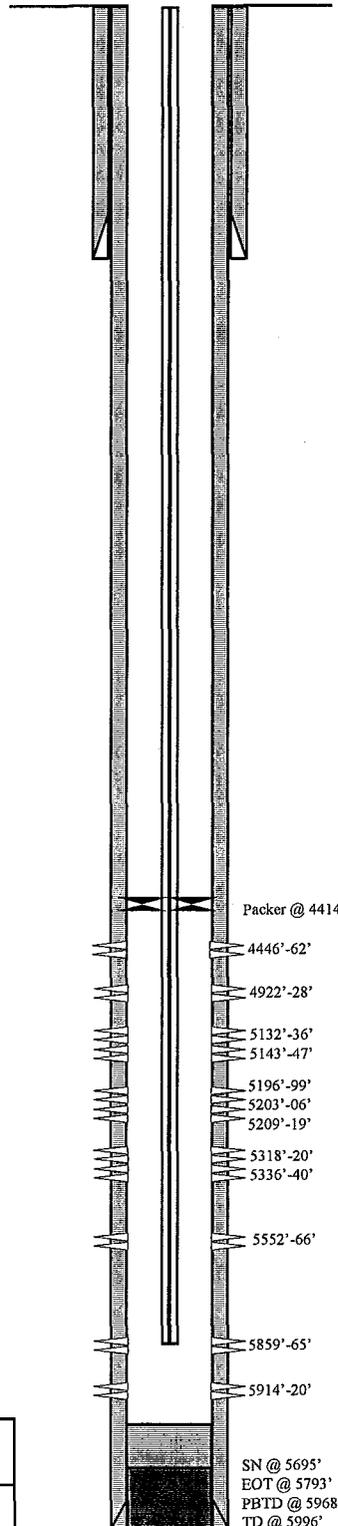
### PRODUCTION CASING

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6014.5')  
 DEPTH LANDED: 6002.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

922

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 179 jts  
 TUBING ANCHOR: 5659.92'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5792.66'  
 SN LANDED AT: 5695.34'



### FRAC JOB

4/19/00 5859'-5920' **Frac CP sand as follows:**  
 36,000# 20/40 sand in 271 bbls (20#)  
 Deltafrac 140. Perfs broke down @ 5600  
 psi. Treated @ avg press of 5344 psi  
 w/avg rate of 12.2 BPM. ISIP 2430 psi.  
 RD HES. Had problem with downhole  
 tbg valve not closing--unable to move  
 tool. Flow back frac on 16/64" & 24/64"  
 chokes until pressure bled down

4/20/00 5552'-5566' **Frac LDC sand as follows:**  
 50,000# 20/40 sd in 283 bbls Deltafrac  
 140. Perfs broke down @ 2657 psi.  
 Treated @ avg press of 5580 psi w/avg  
 rate of 14.8 BPM before screening out  
 w/7# sd on perfs. ISIP 1530 psi. Est  
 45,000# sd in perfs, 5,000# sd left in tbg.  
 Flow well back through 12/64" choke for  
 3-3/4 hrs & died

4/21/00 5318'-5340' **Frac A sand as follows:**  
 64,257# 20/40 sand in 332 bbls Viking I-  
 25 fluid. Perfs broke down @ 2620 psi.  
 Treated @ avg press of 2000 psi w/avg  
 rate of 34 BPM. ISIP 1530 psi. With 7#  
 sand on perfs, pressure increased rapidly.  
 Rate was increased & sand cut @ blender  
 @ 8-1/2# but maximum pressure was  
 reached before any flush water was  
 pumped. Screened out with approx  
 38,257# sand in perfs and 25,000# sand  
 left in csg.

4/22/00 4922'-5219' **Frac D sand as follows:**  
 5,000# 20/40 sand in 332 bbls Delta Frac  
 140 fluid. Perfs broke back @ 3732 psi  
 @ 6.8 BPM. Treated @ avg press of  
 5900 psi w/avg rate of 15 BPM. ISIP  
 2410 psi, 5 min 2084 psi. Flow back  
 well on 12/64" choke for 2 hrs & died.

4/24/00 4446'-4462' **Frac GB sand as follows:**  
 5,000# sand in 364 bbls Delta Frac fluid.  
 RD HES. Bleed dwn frac thru 12/64"  
 chok, est 1 BPM. ISIP 2100 psi. Rec'd  
 150 bbls. Well flowed 3-1/2 hrs & died.

### PERFORATION RECORD

Date	Depth Range	Tool	Holes
4/18/00	5914'-5920'	4 JSPF	24 holes
4/18/00	5859'-5862'	4 JSPF	12 holes
4/18/00	5552'-5566'	4 JSPF	56 holes
4/18/00	5336'-5340'	4 JSPF	16 holes
4/18/00	5318'-5320'	4 JSPF	8 holes
4/18/00	5209'-5219'	4 JSPF	40 holes
4/18/00	5206'-5206'	4 JSPF	12 holes
4/18/00	5196'-5199'	4 JSPF	12 holes
4/18/00	5143'-5147'	4 JSPF	16 holes
4/18/00	5132'-5136'	4 JSPF	16 holes
4/18/00	4922'-4928'	4 JSPF	24 holes
4/18/00	4446'-4462'	4 JSPF	64 holes



**Inland Resources Inc.**

**Wells Draw #15-32-8-16**

1824 FEL 738 FSL

SWSE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31676; Lease #UTU-76787

SN @ 5695'  
 EOT @ 5793'  
 PBTB @ 5968'  
 TD @ 5996'

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

**1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

**2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Wells Draw State #15-32-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the Wells Draw State #15-32-8-16 well, the proposed injection zone is from 4446'- 5920'. The confining stratum directly above and below the injection zones is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4889'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Wells Draw State #15-32-8-16 is on file with the Utah Division of Oil, Gas and Mining.

**2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

**2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

**2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

**2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

**4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a state lease (Lease #UTU-76787) in the Monument Butte (Green River) Field, Wells Draw Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 **Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 304' GL, and 5-1/2" 15.5# J-55 casing run from surface to 6002.5' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1515 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Wells Draw State #15-32-8-16, for proposed zones (4446' - 5920') calculates at 0.71 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1515 psig. See Attachment G through G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Wells Draw State #15-32-8-16, the injection zone (4446' - 5920') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Inland Production Company will supply any requested information to the Board or Division.

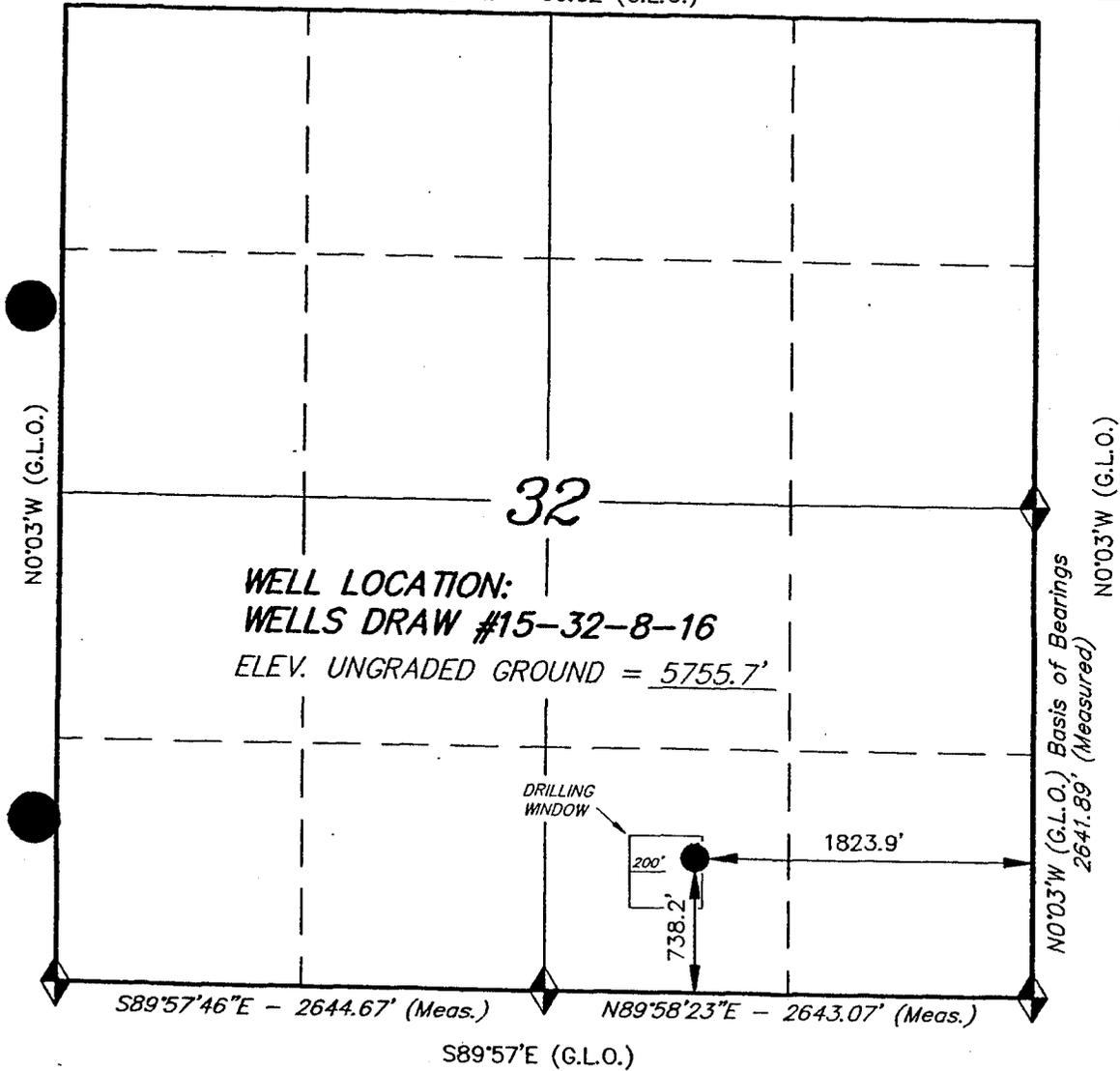


T8S, R16E, S.L.B.&M.

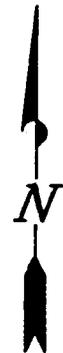
**INLAND PRODUCTION COMPANY**

S89°57'W - 80.02 (G.L.O.)

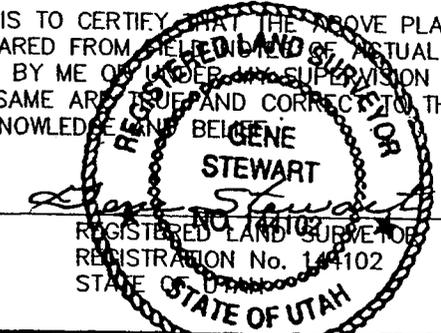
WELL LOCATION, WELLS DRAW #15-32-8-16,  
LOCATED AS SHOWN IN THE SW 1/4 SE 1/4  
OF SECTION 32, T8S, R16E, S.L.B.&M.  
DUCHESNE COUNTY, UTAH.



Attachment A-1



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.



◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 12-29-99	WEATHER: FAIR
NOTES:	FILE #

## Attachment B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South Range 16 East</u> Section 4: Lots 1, 2, 3, 4, S/2N/2 Section 5: Lots 1, 2, 3, S/2NE/4, SE/4NW/4, NE/4SW/4	U-30096 HBP	Inland Production Company	(Surface Rights) USA
2	<u>Township 8 South, Range 16 East</u> Section 33: N/2	U-34173 HBP	Inland Production Company	(Surface Rights) USA
3	<u>Township 8 South, Range 16 East</u> Section 33: S/2	U-49092 HBP	Inland Production Company	(Surface Rights) USA
4	<u>Township 8 South, Range 16 East</u> Section 32: All	ML-21836 HBP	Inland Production Company	(Surface Rights) State of Utah

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Wells Draw State #15-32-8-16

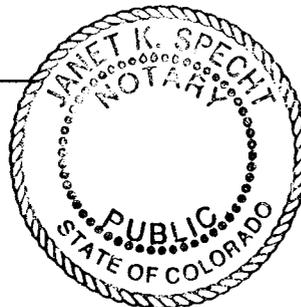
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Bill Pennington  
Inland Production Company  
Bill Pennington  
Chief Financial Officer

Sworn to and subscribed before me this 5<sup>th</sup> day of March  
2001.

Notary Public in and for the State of  
Colorado: Janet K. Specht

My Commission Expires: 7/16/01



# Wells Draw #15-32-8-16

Spud Date: 3/29/2000  
 Put on Production: 5/1/2000  
 GL: 5755' KB: 5765'

51 BOPD, 210 MCFD, 4 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (306.5')  
 DEPTH LANDED: 304.1'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6014.5')  
 DEPTH LANDED: 6002.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

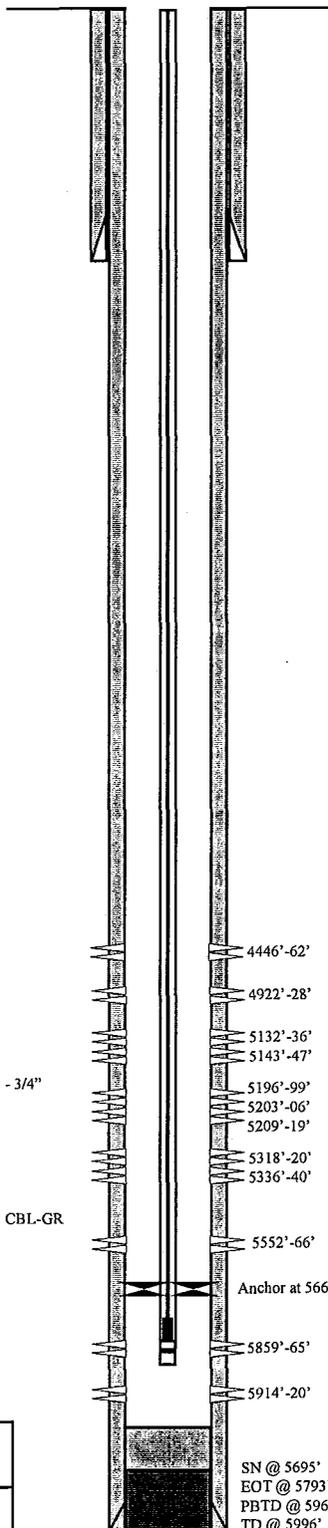
*CBL*

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 179 jts  
 TUBING ANCHOR: 5659.92'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5792.66'  
 SN LANDED AT: 5695.34'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 4-1-1/2"x25' weight bars, 10 -3/4" guided rods, 123 - 3/4" slick rods, 90 - 3/4" guided rods, 1-6', 1-4' 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 10 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



**FRAC JOB**

4/19/00 5859'-5920' **Frac CP sand as follows:**  
 36,000# 20/40 sand in 271 bbls (20#) Deltafrac 140. Perfs broke down @ 5600 psi. Treated @ avg press of 5344 psi w/avg rate of 12.2 BPM. ISIP 2430 psi. RD HES. Had problem with downhole tbg valve not closing--unable to move tool. Flow back frac on 16/64" & 24/64" chokes until pressure bled down

4/20/00 5552'-5566' **Frac LDC sand as follows:**  
 50,000# 20/40 sd in 283 bbls Deltafrac 140. Perfs broke down @ 2657 psi. Treated @ avg press of 5580 psi w/avg rate of 14.8 BPM before screening out w/7# sd on perfs. ISIP 1530 psi. Est 45,000# sd in perfs, 5,000# sd left in tbg. Flow well back through 12/64" choke for 3-3/4 hrs & died

4/21/00 5318'-5340' **Frac A sand as follows:**  
 64,257# 20/40 sand in 332 bbls Viking I-25 fluid. Perfs broke down @ 2620 psi. Treated @ avg press of 2000 psi w/avg rate of 34 BPM. ISIP 1530 psi. With 7# sand on perfs, pressure increased rapidly. Rate was increased & sand cut @ blender @ 8-1/2# but maximum pressure was reached before any flush water was pumped. Screened out with approx 38,257# sand in perfs and 25,000# sand left in csg.

4/22/00 4922'-5219' **Frac D sand as follows:**  
 5,000# 20/40 sand in 332 bbls Delta Frac 140 fluid. Perfs broke back @ 3732 psi @ 6.8 BPM. Treated @ avg press of 5900 psi w/avg rate of 15 BPM. ISIP 2410 psi, 5 min 2084 psi. Flow back well on 12/64" choke for 2 hrs & died.

4/24/00 4446'-4462' **Frac GB sand as follows:**  
 5,000# sand in 364 bbls Delta Frac fluid. RD HES. Bleed down frac thru 12/64" choke, est 1 BPM. ISIP 2100 psi. Rec'd 150 bbls. Well flowed 3-1/2 hrs & died.

**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
4/18/00	5914'-5920'	4 JSPF	24 holes
4/18/00	5859'-5862'	4 JSPF	12 holes
4/18/00	5552'-5566'	4 JSPF	56 holes
4/18/00	5336'-5340'	4 JSPF	16 holes
4/18/00	5318'-5320'	4 JSPF	8 holes
4/18/00	5209'-5219'	4 JSPF	40 holes
4/18/00	5206'-5206'	4 JSPF	12 holes
4/18/00	5196'-5199'	4 JSPF	12 holes
4/18/00	5143'-5147'	4 JSPF	16 holes
4/18/00	5132'-5136'	4 JSPF	16 holes
4/18/00	4922'-4928'	4 JSPF	24 holes
4/18/00	4446'-4462'	4 JSPF	64 holes

SN @ 5695'  
 EOT @ 5793'  
 PBTD @ 5968'  
 TD @ 5996'

**Inland Resources Inc.**  
**Wells Draw #15-32-8-16**  
 1824 FEL 738 FSL  
 SWSE Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31676; Lease #UTU-76787

# Wells Draw #9-32-8-16

Spud Date: 4/06/2000  
 Put on Production: 5/09/2000  
 GL: 5742' KB: 5752'

IP: 141 BOPD, 320 MCFD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310')  
 DEPTH LANDED: 312'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 11.6#  
 LENGTH: 142 jts. (6037.52')  
 DEPTH LANDED: 6035.12'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

*452*

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 182 jts  
 TUBING ANCHOR: 5759.13'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5891.78'  
 SN LANDED AT: 5794.51'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" guided rods, 127 - 3/4" slick rods, 90 - 3/4" guided rods, 1-8', 1-2' x 3/4" pony rods.  
 PUMP SIZE: 2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 52"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

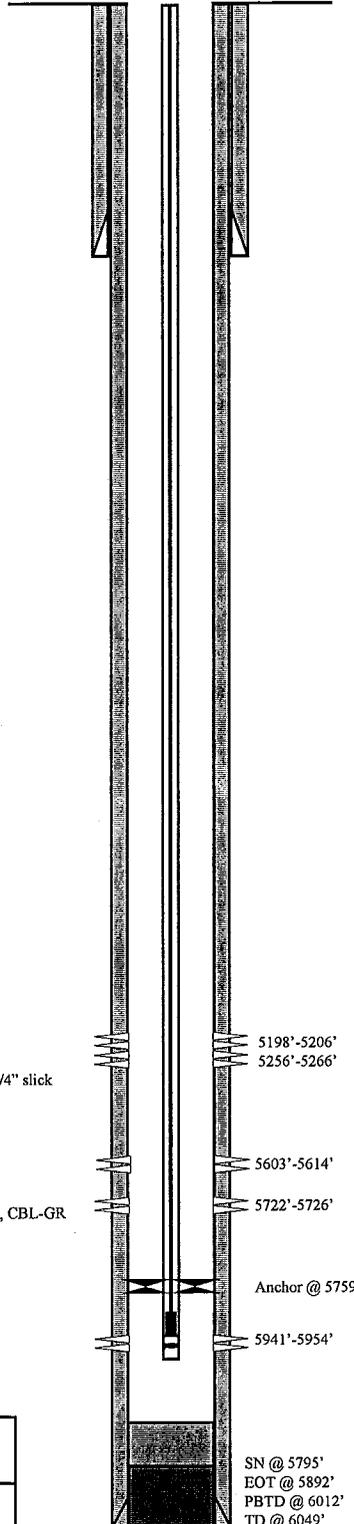
5/04/00 5941'-5954' **Frac CP sand as follows:**  
 74,500# 20/40 sand in 436 bbbs Viking I-25 fluid. Perfs broke @ 4286 psi. Treated @ avg pressure of 2950 psi with avg rate of 27.5 BPM. ISIP 2075 psi; 5 min 1872 psi. Left pressure on well.

5/04/00 5603'-5726' **Frac LDC sand as follows:**  
 95,500# 20/40 sand in 479 bbbs Viking I-25 fluid. Perfs broke @ 3785 psi. Treated @ avg pressure of 3320 psi with avg rate of 32.4 BPM. ISIP 3240 psi; 5 min 2965 psi. Flowed back on 12/64" choke for 4-1/2 hrs & died. Recovered 183 BTF.

5/05/00 5198'-5266' **Frac B sand as follows:**  
 74,500# 20/40 sand in 372 bbbs Viking I-25 fluid. Perfs broke @ 3100 psi. Treated at avg pressure of 2500 psi @ avg rate of 26 BPM. ISIP 2780 psi; 5 min 2712 psi. Flowed back on 12/64" choke for 2-1/2 hrs & died. Recovered 77 BTF.

**PERFORATION RECORD**

5/04/00	5941'-5954'	4 JSPF	52 holes
5/04/00	5603'-5614'	4 JSPF	44 holes
5/04/00	5722'-5726'	4 JSPF	16 holes
5/05/00	5198'-5206'	4 JSPF	32 holes
5/05/00	5256'-5266'	4 JSPF	40 holes





**Inland Resources Inc.**

**Wells Draw #9-32-8-16**

1977 FSL 562 FEL

NE/SE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31819; Lease #ML21836

# State #14-32

Spud Date: 4/24/85  
 Put on Production: 6/15/85  
 GL: 5806' KB: 5820'

Initial Production: 75 BOPD,  
 30 MCFD, 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: ?  
 WEIGHT: 24#  
 DEPTH LANDED: 288'  
 HOLE SIZE: 10-1/4"  
 CEMENT DATA: 190 sxs "A" 2% calcium choride, 1/4 # flocele

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: ?  
 WEIGHT: 17#  
 DEPTH LANDED: 6005'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 316 sxs lightweight III-S

*4054*

### TUBING

SIZE/GRADE/WT: 2-7/8" / 6.5#  
 NO. OF JOINTS: 173  
 TUBING ANCHOR: 5602' 5-1/2"  
 SEATING NIPPLE: 2-1/4"  
 TOTAL STRING LENGTH: EOT @ 5602'  
 SN LANDED AT: 5472'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 PONY RODS: 4 - 1-1/2' WT RODS, 214 3/4" RODS  
 PUMP SIZE: 2-1/2" X 1-1/2" X 15' RHAC Pump  
 STROKE LENGTH: 80"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: FDC, GNL, MSFL, DLL-CBL, CCL, GR

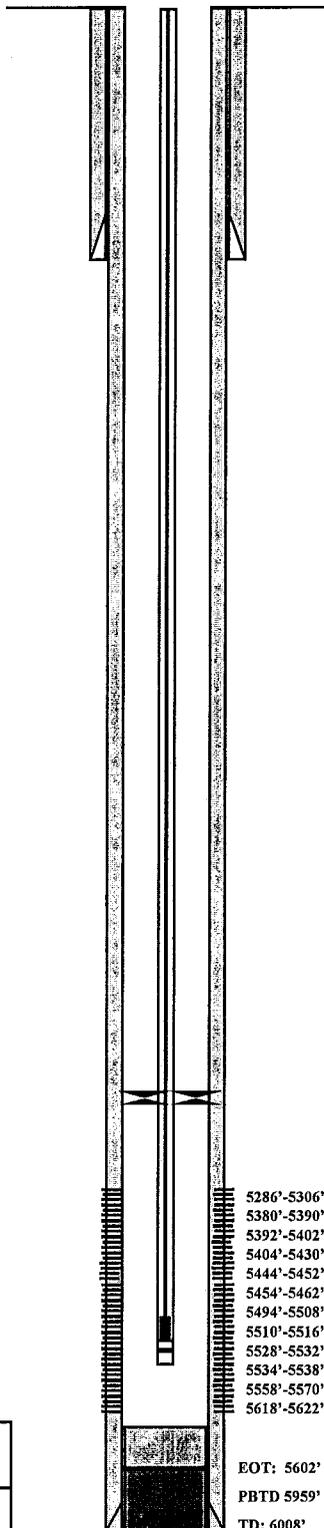
### FRAC JOBS

5/19/85 5380'-5622' Acidize 5494'-5622' w/182 bbls 3% KCL wir w/clay stay, poor ball action. Acidize 5380'-5462' w/183 bbls 3% KCL w/clay stay, poor ball action. Frac w/300,000# 20/40 sd in 76,000 gal YF3G/YF4G frac. Max press 2300 @ 60 bpm. Avg press 1750 @ 60 bpm. ISIP 1630, 5 min 1550, 10 min 1420, 15 min 1320. 135 bbls KCL w/claystay used as displacement fluid. Started flowing on 18/64" ck. Flowed 102 bbls load wtr in 4-1/2 hrs.

11/29/88 5286'-5306' TIH w/packer, spot 200 gal. 7-1/2% HCL across perms. Broke dn @ 4200, pumped 5 bbls KCL @ 10 bpm. ISIP 700. Frac w/84,000# 20/40 sd and 15,000# 16/30 sd. Left 6000# in csg, screened off of 3200#. Used 926 bbls jelled fluid & 87 bbls flush. Max rate 3200 @ 30 bpm. Avg rate 2500. ISIP 2500, 5 min 2000, 10 min 1750, 15 min 1600.

### PERFORATION RECORD

Date	Interval	Holes
11/29/88	5286'-5306'	88 holes
5/16/85	5380'-5390'	20 holes
5/16/85	5392'-5402'	20 holes
5/16/85	5404'-5430'	52 holes
5/16/85	5444'-5452'	16 holes
5/16/85	5454'-5462'	16 holes
5/16/85	5494'-5508'	28 holes
5/16/85	5510'-5516'	12 holes
5/16/85	5528'-5532'	8 holes
5/16/85	5534'-5538'	8 holes
5/16/85	5558'-5570'	24 holes
5/16/85	5618'-5622'	8 holes



5286'-5306'  
 5380'-5390'  
 5392'-5402'  
 5404'-5430'  
 5444'-5452'  
 5454'-5462'  
 5494'-5508'  
 5510'-5516'  
 5528'-5532'  
 5534'-5538'  
 5558'-5570'  
 5618'-5622'

EOT: 5602'  
 PBTD 5959'  
 TD: 6008'



**Inland Resources Inc.**

State #14-32

810' FSL 809' FWL

Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31039; Lease #ML-21836

# Wells Draw #16-32-8-16

Spud Date: 4/14/2000  
 Put on Production: 5/19/2000  
 GL: 5663' KB: 5673'

IP: 121 BOPD, 383 MCFD, 30 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.87')  
 DEPTH LANDED: 301'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 161 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5943.94')  
 DEPTH LANDED: 5941.54'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

878

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 189 jts  
 TUBING ANCHOR: 5798.52'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5897'  
 SN LANDED AT: 5832.53'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" scraped rods, 128 - 3/4" plain rods, 90 - 3/4" scraped rods, 1-8", 1-2' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/11/00 5822'-838' **Frac CP sand as follows:**  
 74,500# 20/40 sand in 453 bbbls Viking I-25 fluid. Perfs broke @ 3733 psi. Treated @ avg pressure of 2300 psi with avg rate of 28.3 BPM. ISIP 2625 psi; 5 min 2360 psi. Left pressure on well.

5/11/00 5269'-316' **Frac A sand as follows:**  
 83,500# 20/40 sand in 472 bbbls Viking I-25 fluid. Perfs broke @ 3943 psi. Treated @ avg pressure of 2050 psi with avg rate of 28.3 BPM. ISIP 2230 psi; 5 min 2144 psi. Flowed back on 12/64" choke for 3 hrs & died. Rec 107 BTF.

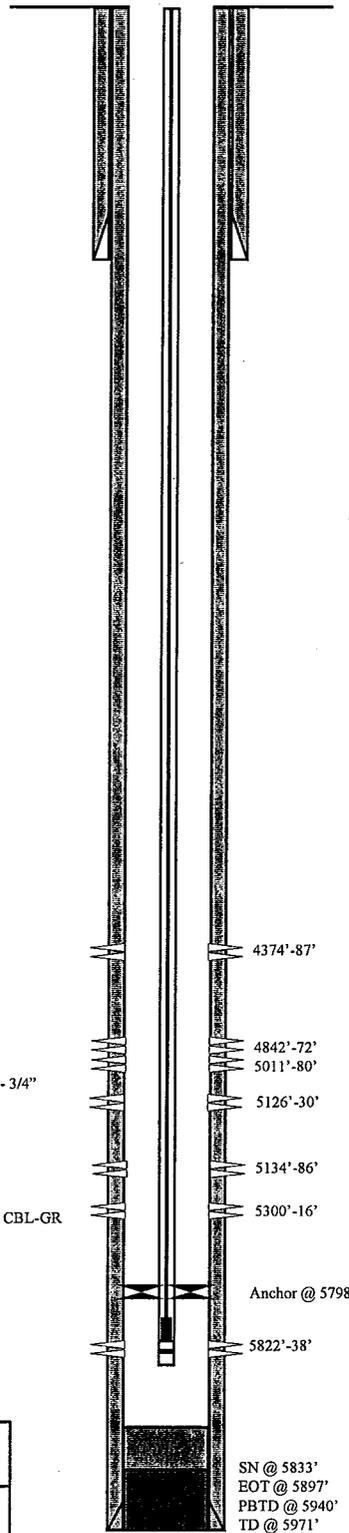
5/12/00 5011'-146' **Frac C/B sand as follows:**  
 105,000# 20/40 sand in 578 bbbls Viking I-25 fluid. Perfs broke @ 1805 psi. Treated at avg pressure of 1900 psi @ avg rate of 35.3 BPM. ISIP 2490 psi; 5 min 2435 psi. Left pressure on well.

5/13/00 4842'-872' **Frac D sand as follows:**  
 77,000# 20/40 sand in 467 bbbls Viking I-25 fluid. Perfs broke @ 1960 psi. Treated @ avg pressure of 2000 psi with avg rate of 27.5 BPM. ISIP 2330 psi; 5 min 2260 psi. Left pressure on well.

5/13/00 4374'-387' **Frac GB sand as follows:**  
 60,500# 20/40 sand in 384 bbbls Viking I-25 fluid. Perfs broke @ 4120 psi. Treated @ avg pressure of 2250 psi @ avg rate of 27.5 BPM. ISIP 2570 psi; 5 min 2506 psi. Flow back on 12/64" choke for 3-1/2 hrs & died. Rec 128 BTF.

**PERFORATION RECORD**

Date	Depth	Perforation Type	Holes
5/13/00	4374'-80'	4 JSPP	24 holes
5/13/00	4383'-87'	4 JSPP	16 holes
5/13/00	4842'-46'	2 JSPP	8 holes
5/13/00	4854'-64'	2 JSPP	20 holes
5/13/00	4868'-72'	2 JSPP	8 holes
5/12/00	5011'-17'	2 JSPP	12 holes
5/12/00	5072'-75'	2 JSPP	6 holes
5/12/00	5078'-80'	2 JSPP	4 holes
5/12/00	5126'-30'	2 JSPP	8 holes
5/12/00	5134'-46'	2 JSPP	24 holes
5/11/00	5269'-73'	2 JSPP	8 holes
5/11/00	5275'-86'	2 JSPP	22 holes
5/11/00	5300'-10'	2 JSPP	20 holes
5/11/00	5312'-16'	2 JSPP	8 holes
5/11/00	5822'-38'	4 JSPP	64 holes





**Inland Resources Inc.**

**Wells Draw #16-32-8-16**

601 FSL 544 FEL  
 SE/SE Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31817; Lease #ML21836

State #23-32-8-16

Spud Date: 12/10/84  
 Put on Production: 1/29/85  
 GL: 5750' KB: 5765'

Initial Production: 15 BOPD,  
 15 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: ?  
 WEIGHT: 24#  
 DEPTH LANDED: 292'  
 HOLE SIZE: 10-3/4"  
 CEMENT DATA: Cmt to sfc

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: ?  
 WEIGHT: 17#  
 DEPTH LANDED: 6202' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sx gypseal

3782

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 193 jts.  
 TUBING ANCHOR: @ 5808' KB  
 SEATING NIPPLE: 1.10'x2-7/8"  
 TOTAL STRING LENGTH: ROT @ 5843.45' KB  
 SN LANDED AT: 5810' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 PONY RODS: 1 - 8', 1 - 6', 1 - 2', x3/4" pony, 223 - 3/4" plain, 2 - 3/4" scraped, 4 - 1-1/2" weight rods, 1 - 8'x1-1/2" pony rod  
 PUMP SIZE: 2-1/2" X 1-1/2" X 13 X 15' AXELSON  
 STROKE LENGTH: 78"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DLL-MSFL, FDC-CNL CBL/CCL

ROD DETAIL

1-1/2" x 22' POLISHED ROD  
 1-8'; 1-6'; 1-4'; 1-2' x 3/4" PONY RODS  
 204 - 3/4" PLAIN RODS  
 21 - 3/4" SCRAPERED RODS  
 4 - 1-1/2" WEIGHT RODS  
 2-1/2" x 1-1/2" x 15' RHAC PUMP

FRAC JOBS

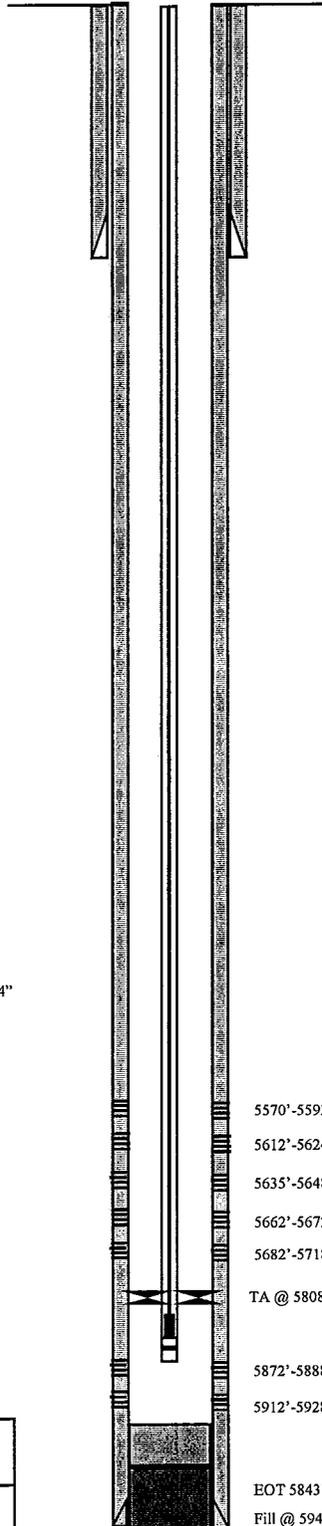
1/12/85	5872'-5928'	Frac w/10,000 gal pad, 22,000 gal gelled 5% KCL wtr w/121,000# 20/40 sd, 144 bbls flush.
3/14/85	5570'-5593'	Frac w/300,000# 20/40 sd in 76,000 gal frac. 134 bbls 3% KCL wtr w/claystay flush. Max tbg press 3060 psi @ 51.5 bpm. Avg tbg press 2680 psi @ 50 bpm. ISIP 1930, 5 min 1750 psi, 10 min 1690, 15 min 1630. Flowback on 22/64" ck. Flowed 15 bbls load wtr in 1 hr.
6/13/00	4929'-5038'	Frac w/78,781# 20/40 sd in 425 bbls Viking I-25 fluid. ATP 3200 psi; ATR 42 BPM. Screened out w/7.9# sand on perms. Est. 64,014# sand in formation.
6/13/00	4453'-4466'	Frac w/37,495# 20/40 sand in 310 bbls Viking I-25 fluid. ATP 2300 psi; ATR 19.1 BPM. Flow back on 12/64" choke for 2-1/2 hrs. Rec. 103 BTF.

PERFORATION RECORD

5570'-5593'	1/10/85	5912'-5928'	1 SPF	16 holes
5612'-5624'	1/10/85	5872'-5888'	1 SPF	16 holes
5635'-5648'	3/11/85	5682'-5718'	1 SPF	36 holes
5662'-5672'	3/11/85	5662'-5672'	1 SPF	10 holes
5682'-5718'	3/11/85	5635'-5648'	1 SPF	26 holes
	3/11/85	5612'-5624'	1 SPF	12 holes
	3/11/85	5570'-5593'	1 SPF	23 holes
TA @ 5808' KB	6/06/00	4929-4935'	4 SPF	24 holes
	6/06/00	5029'-5038'	4 SPF	36 holes
	6/13/00	4453'-4466'	4 SPF	52 holes

5872'-5888'  
 5912'-5928'

EOT 5843' KB  
 Fill @ 5948' on 6/06/00  
 PBTD 5970' KB  
 TD @ 6200' KB



**Inland Resources Inc.**  
 State #23-32  
**Celsius Energy Co.**  
 1909' FSL 2030' FWL  
 NESW Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31041; Lease #ML-21836

State #24-32

Spud Date: 11/28/84  
 Put on Production: 1/26/85  
 GL: 5776' KB: 5790'

Initial Production: 84 BOPD,  
 50 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 292'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 175 sx "H" cmt with 2% CaCl.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 DEPTH LANDED: 6201' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sxs Class "G" with 10% Gyp-seal.

4270

TUBING

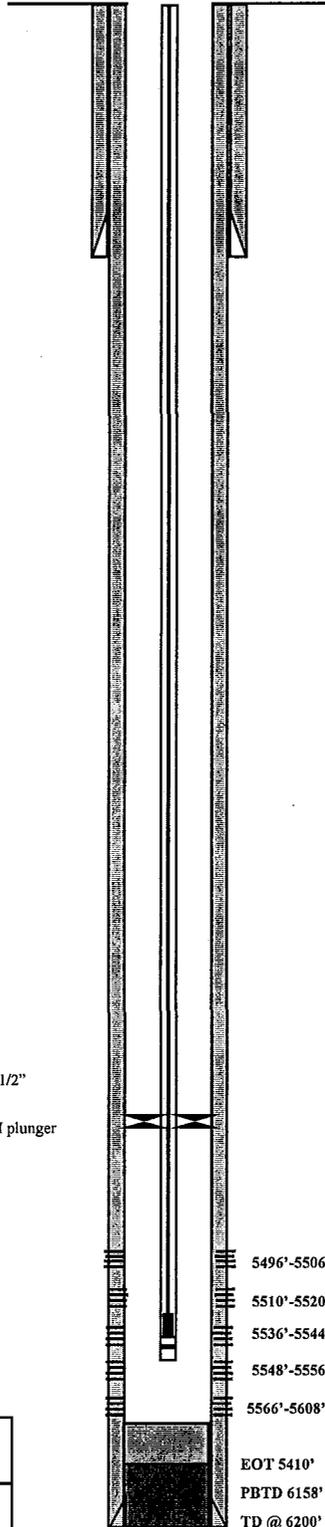
SIZE/GRADE/WT: 2-7/8"  
 NO. OF JOINTS: 173  
 TUBING ANCHOR: Mtn. States Anchor Catcher  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH: 5623'  
 SN AT: ?  
 EOT @ 5410'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
 PONY RODS: 1 - 8', 1 - 6', 2 - 4' x 3/4" pony, 215 - 3/4" plain, 4 - 1-1/2" weight, 1 - 8' x 1-1/2" pony rods.  
 PUMP SIZE: Randy's 2-1/2" x 1-1/2" x 12 x 16' RHAC pump w/ SM plunger  
 STROKE LENGTH: 73  
 PUMP SPEED, SPM: 3  
 LOGS: FDC, CNL, DUAL LATERLOG/MSFL, CBL/CLL

FRAC JOBS

1/10/85 5496'-5608' Acidize w/100 bbl KCL fluid, good ball action, drop to 70 bbl, broke dn @ 3900 w/7 bpm. Frac w/30,000 gal pad, 64,000 gal gelled 5% KCL wtr with 20/40 mesh sd as proppant.



PERFORATION RECORD

1/09/85	5496'-5506'	5 holes
1/09/85	5510'-5520'	5 holes
1/09/85	5536'-5544'	5 holes
1/09/85	5548'-5556'	5 holes
1/09/85	5566'-5608'	28 holes

(4" csg gun)

5496'-5506'  
 5510'-5520'  
 5536'-5544'  
 5548'-5556'  
 5566'-5608'  
 EOT 5410'  
 PBTD 6158'  
 TD @ 6200'



Inland Resources Inc.

State #24-32

758' FSL 2016' FWL  
 SESW Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31040; Lease #ML-21836

# State #32-32

Spud Date: 9/26/84  
 Put on Production: 11/8/84  
 GL: 5711' KB: 5726'

Initial Production: 98 BOPD,  
 50 MCFPD, 18 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 290'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 sxs Class "A" 2% CACL 2 AND 1/4# FLOCELE

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 6196'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sxs Class "G" 10% Gypseal

*3872*

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 183  
 TUBING ANCHOR: 5295' - 5-1/2" 15.5# Mt. States  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 5604'  
 SN LANDED AT: 5548'

### SUCKER RODS

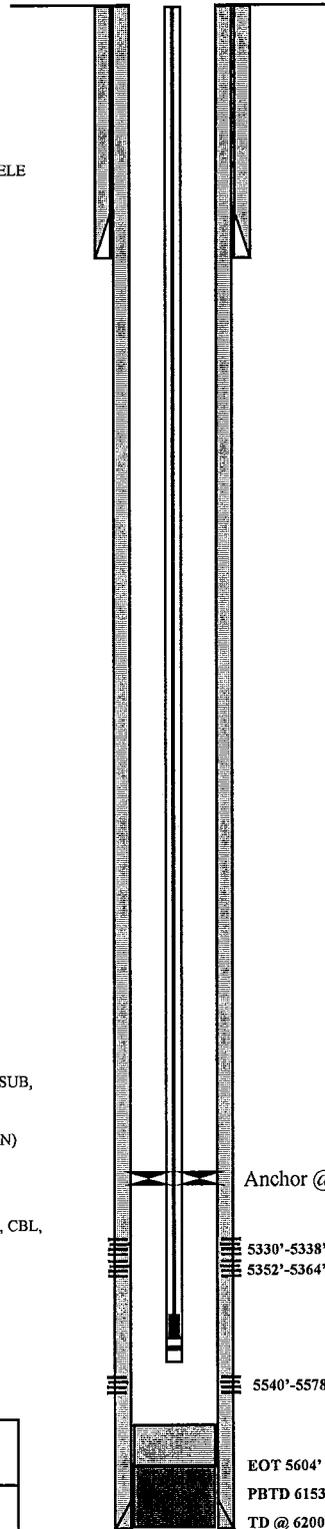
POLISHED ROD: 1-1/2" X 22'  
 PONY RODS: 1 - 4' X 3/4" SUB, 2 - 8' X 3/4" SUBS, 1 - 10' X 3/4" SUB,  
 215 - 3/4" PLAIN RODS, 4 WEIGHT RODS (R-3)  
 PUMP SIZE: 2-1/2" X 1-1/2" X 16' AXELSON (TOP HOLD DOWN)  
 STROKE LENGTH: 1/4"  
 PUMP SPEED, SPM:  
 LOGS: FDC, CNL, DLL, MICRO SFL 6200-3500', GAMMA RAY, CBL,  
 CCL

### FRAC JOB

10/15/84	5540'-5578'	Frac w/17,000 gal pad, 35,000 gal gelled 5% KCL & 20/40 mesh sand.
3/28/85	5330'-5364'	Frac w/126,200# 20/40 sd in 31,650 gal frac. 130 bbls flush. Max press 2670 @ 30 bpm. Avg press 1950 @ 30 bpm. ISIP 2210, 5 min 1810, 10 min 1650, 15 min 1590.

### PERFORATION RECORD

3/27/85	5330'-5338'	2 SPF	16 holes
3/27/85	5352'-5364'	2 SPF	24 holes
10/15/84	5540'-5578'	1 SPF	39 holes



Anchor @ 5295'

5330'-5338'  
 5352'-5364'

5540'-5578'

EOT 5604'  
 PBTD 6153'  
 TD @ 6200'



**Inland Resources Inc.**  
 State #32-32  
**Celsius Energy Co.**  
 2140 FNL 1980 FEL  
 SWNE Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-30993; Lease #ML-21836

State #33-32

Spud Date: 2/3/87  
 Put on Production: 3/16/87  
 GL: 5757' KB: 5772'

Initial Production: 18 BOPD, 16 MCFD, 0 BWPD  
 IP (5/19/00): 11 BOPD, 13 MCFD, 28 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: ?  
 WEIGHT: 32#  
 DEPTH LANDED: 316'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 215 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: ?  
 WEIGHT: 17#  
 DEPTH LANDED: 5850'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 465 sxs 50-50 Poz

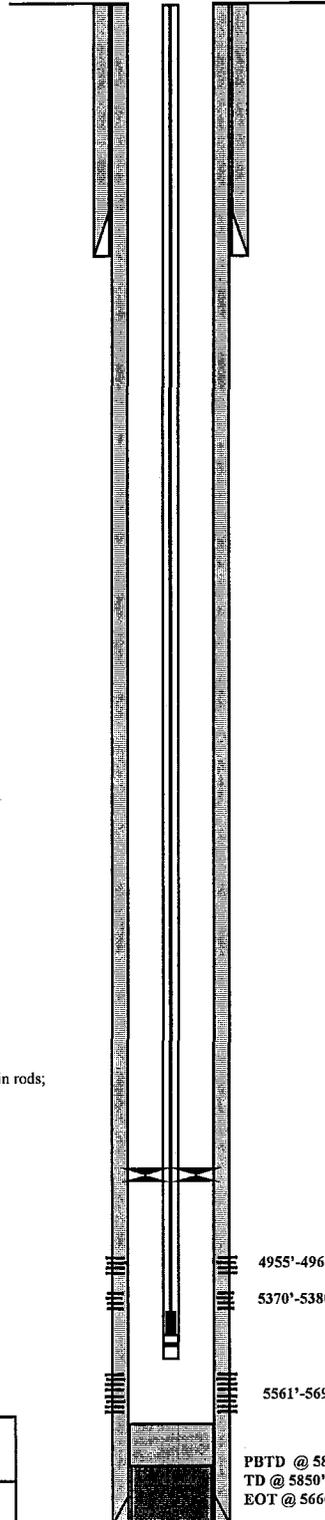
*3513*

TUBING

SIZE/GRADE/WT: 2-7/8", 6.5#  
 NO. OF JOINTS: 178  
 TUBING ANCHOR: 5504'  
 SEATING NIPPLE: 1.10'  
 EOT @ 5666.08' w/ 15' KB  
 SN LANDED AT: 5633'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 PONY RODS: 1-8' x 3/4" pony rod; 209-3/4" plain rods; 10 3/4" plain rods;  
 4 1-1/2" weight rods.  
 PUMP SIZE: Axelson 2-1/2" x 1-1/2" x 15.5' RHAC Pump.  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 3.5  
 LOGS: FDC, CNL, DLL, MSFL, Gamma Ray, Bond Log



FRAC JOBS

- 3/06/87 5561'-5691' Frac w/152,000# 20/40 sd in 32,700 gal frac. 130 bbl flush. Avg rate 30 bpm. Avg press 2610, max press 3810. ISIP 3750, 5 min 2400, 10 min 2240, 15 min 2190.
- 4/28/87 5370'-5380' Frac w/64,000# 20/40 sd in 17,000 gal frac. Break dn @ 3000 psi. 45 bbl flush. Well sanded off, left 2500 gal 8# per gal in csg. Avg press 2100, avg rate 21 bpm.
- 4/29/87 4955'-4964' Frac w/64,000# 20/40 sd in 17,000 gal frac. Break dn @ 1350 psi. 115 bbls flush. Avg. press 2100, avg rate 20 bpm. Flow to tank @ 20 bph, flowed 110 bbls and died.

RECOMPLETION

- 05-13-00 5561'-5691' Re-frac LDC Sands as follows: 75,937# of 20/40 sand in 527 bbls Viking I-25 frac gel. Perfs broke at 6300 psi. Treated at avg pres of 7400 psi with average rate of 24 BPM. ISIP 3610 psi; 5 min 3350 psi. Flow well back on 12/64" choke; flowed 1-12/ hrs & died.
- 05-16-00 5370'-5380' Re-frac A sands as follows: 48,048# 20/40 sand in 300 bbls Viking I-25 fluid. Perfs broke at 4000 psi. Treated at average press of 7000 psi with average rate of 23.8 BPM. ISIP 2400 psi; 5 min 2185 psi. Flowed back through 12/64" choke for 1-12/ hrs & died. Recovered 75 BTF.
- 05-16-00 4955'-4964' Re-frac D sand as follows: 46,500# of 20/40 sand in 363 bbls Viking I-25 fluid. Perfs broke at 1717 psi. Treated at average press of 2800 psi with average rate of 25.5 BPM. ISIP 3008 psi; 5 min 2698 psi. Flowed back on 12/64" choke for 3 hrs & died. Recovered 133 BTF.

PERFORATION RECORD

3/05/87	5561'-5572'	2 SPF	22 holes
3/05/87	5594'-5596'	2 SPF	4 holes
3/05/87	5606'-5610'	2 SPF	8 holes
3/05/87	5640'-5651'	2 SPF	22 holes
3/05/87	5658'-5670'	2 SPF	24 holes
3/05/87	5676'-5679'	2 SPF	6 holes
3/05/87	5689'-5691'	2 SPF	4 holes
4/28/87	5370'-5380'	4 SPF	40 holes
4/29/87	4955'-4964'	? SPF	? holes

**Inland Resources Inc.**  
 State #33-32  
 2019' FEL 1978' FSL  
 NWSE Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31185; Lease #ML-21836

PBTD @ 5807'  
 TD @ 5850'  
 EOT @ 5666'

# Federal #14-33B

Spud Date: 6-7-89  
 Put on Injection: 1/11/95  
 GL: 5651' KB: 5663'

## Injection Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: K-55  
 WEIGHT: 36#  
 LENGTH: ?  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 225 sx Class "G" cmt

### PRODUCTION CASING

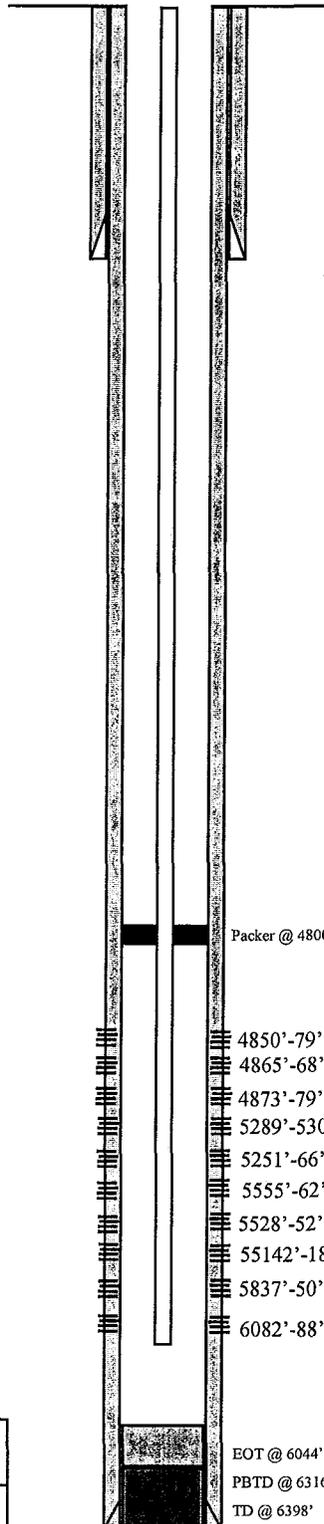
CSG SIZE: 5-1/2"  
 GRADE: K-55, N-80  
 WEIGHT: 17#  
 LENGTH: ?  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 521 sx Hi-Lift & 502 Class "G"  
 CEMENT TOP AT: 700'  
 SET AT: 6398' *3228*

### TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: ? jts  
 TUBING ANCHOR: 4791'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: ?

### FRAC JOB

7-31-89	6082'-6088'	35,750# 20/40 sand, 21,450# 16/30 sand, 719 bbls.
8-1-89	5837'-5850'	42,250# 20/40 sand, 25,350# 16/30 sand, 761 bbls. Avg rate of 37 BPM. ISIP-2000 psi, 15 min 1770 psi.
8-4-89	5514'-5562'	81,250# sand, 48,750# 16/30 sand, 1462 gals. Avg rate of 45 BPM. ISIP-2400 psi, 15 min 2250 psi.
8-10-89	5251'-5304'	65,000# 20/40 sand, 35,000# 16/30 sand, and 1175 bbls. Avg rate of 45 BPM w/avg press of 2400 psi. ISIP-2200 psi, 15 min 1850 psi.
8-13-89	4850'-4879'	48,750# 20/40 sand, 21,250# 16/30 sand, 862 bbls. ISIP-2400 psi., 15 min 1500 psi. Avg rate of 42 BPM.



### PERFORATION RECORD

7-30-89	6082'-6088'	4 JSPF	24 holes
8-1-88	5837'-5850'	4 JSPF	52 holes
8-3-88	5514'-5518'	4 JSPF	16 holes
8-3-88	5528'-5552'	4 JSPF	96 holes
8-3-88	5555'-5562'	4 JSPF	28 holes
8-8-88	5251'-5266'	4 JSPF	60 holes
8-8-88	5289'-5304'	4 JSPF	60 holes
8-13-88	4850'-4862'	4 JSPF	48 holes
8-13-88	4865'-4868'	4 JSPF	12 holes
8-13-88	4873'-4879'	4 JSPF	24 holes



**Inland Resources Inc.**

**Federal #14-33B**

500 FWL 600 FSL

SWSW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31229; Lease #U-49092

EOT @ 6044'  
 PBTD @ 6316'  
 TD @ 6398'

# Wells Draw #21-5G-9-16

Spud Date: 3/28/83  
 Put on Production: 8/29/83  
 GL: 5797' KB: 5811'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 32#  
 LENGTH: 7 JTS  
 DEPTH LANDED: 311'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 215 skx Class "G" cmt, est ? bbls to surface

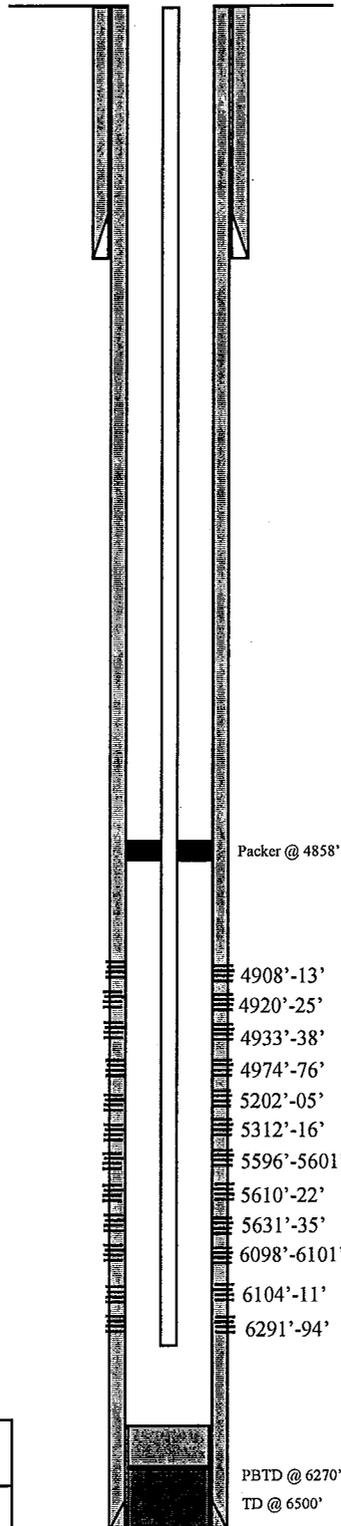
PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 157 jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz  
 CEMENT TOP AT: 2036  
 SET AT: 6500'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55  
 NO. OF JOINTS: 192  
 TUBING ANCHOR: Baker @ 4858'  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH: 6162.02'  
 SN LANDED AT: 6128.24'

Proposed Injection  
 Wellbore Diagram



FRAC JOB

6098'-6111'	76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635'	144,000# 20/40 sd and 41,270 gal Versagel
5202'-5312'	98,000# 20/40 sd and 31,150 gal Versagel
4908'-4974'	180,000# 20/40 sd and 50,290 gal Versagel

PERFORATION RECORD

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes

Packer @ 4858'

- 4908'-13'
- 4920'-25'
- 4933'-38'
- 4974'-76'
- 5202'-05'
- 5312'-16'
- 5596'-5601'
- 5610'-22'
- 5631'-35'
- 6098'-6101'
- 6104'-11'
- 6291'-94'

PBTD @ 6270'  
 TD @ 6500'



**Inland Resources Inc.**  
**Wells Draw #21-5G-9-16**  
 637 FNL 2005 FWL  
 NENW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30698; Lease #U-30096

# Federal #31-5G

Spud Date: 1/15/90  
 Put on Production: 4/7/90  
 GL: 5701' KB: 5712'

Initial Production: 100 BOPD, 0 MCFD  
 100 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 13-3/8" conductor and 8-5/8" surface  
 GRADE: H-40 and K-55  
 WEIGHT: 48# and 24#  
 LENGTH: 30' and 8 jts (320')  
 DEPTH LANDED: 30' and 332'  
 HOLE SIZE: 17-1/2" and 12-1/4"  
 CEMENT DATA: Conductor: 6 c/yd sand/cmt grout mix and surface 225 sxs Class "G", 2% CaCl<sub>2</sub>, 1/4#/sx cello flake

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 6390'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 318 sxs DS Hi Lift. Tail w/535 sxs DS 10-0 RFC  
 CEMENT TOP AT: 3234  
 SET AT: 6388'

**TUBING**

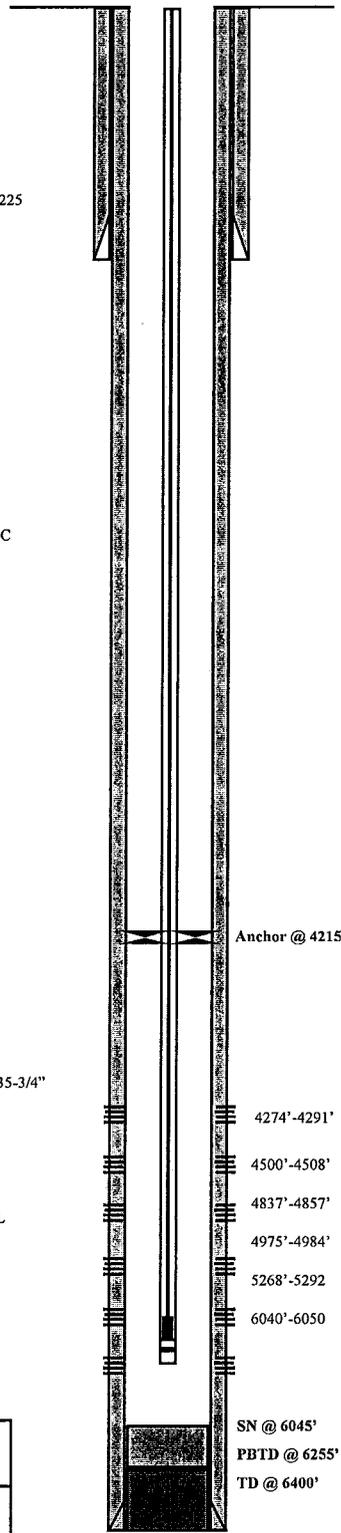
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 193  
 TUBING ANCHOR: 4215'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 6076'  
 SN LANDED AT: 6045'

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22"  
 SUCKER RODS: 1-6' and 1-8' x7/8" pony rods; 95-7/8" scraped; 135-3/4" sucker rods; 9 sinker bars;  
 PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: FDC, CNL, GR, DUAL LATERLOG, MSFL, CBL, GR, VDL

**FRAC JOB**

4274'-4291'	35,100# 20/40 ss, 4,000# 16/30 ss, 844 bbls fluid @ avg 42 BPM @ 2200, ISIP 2430
4500'-4508'	24,100# 20/40 ss, 34,600 16/30, 641 bbls fluid @ avg 35 BPM @ 2500, ISIP 2750
4837'-4857'	52,500# 20/40 ss, 15,000# 16/30 ss, cut job short 1045 bbls fluid, @ avg 45 BPM @ 2400, ISIP 2250
4975'-4984'	32,230@ 20/40 ss 35,770 16/30, 784 bbls fluid @ avg 42 BPM @ 2300l, screened off 1/2 flush
5268'-5292'	57,500# 20/40 ss, 69,000# 16/30 ss, 1270 bbls fluid, @ avg 45 BPM @ 1900#, ISIP 2050
6040'-6050'	32,300# 20/40 ss, 42,500 #16/30 ss, 858 bbls fluid, @ avg 35 BPM @ 1950, ISIP 2150



**PERFORATION RECORD**

4274'-4291'	4 SPF	69 Holes
4500'-4508'	4 SPF	37 Holes
4837'-4857'	4 SPF	81 Holes
4975'-4984'	4 SPF	37 Holes
5268'-5292'	4 SPF	82 Holes
6040'-6050'	4 SPF	41 Holes



**Inland Resources Inc.**  
 Federal #31-5G  
 685' FNL 1925' FEL  
 NWNE Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31252; Lease #U-30096

# Federal #41-5G

Spud Date: 3/24/88  
 Put on Injection: 1/11/95  
 GL: 5728' KB: 5743'

Initial Production: 30 BOPD, 0  
 MCFPD, 33 BWPD

## Injection Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: K-55  
 WEIGHT: 43.5#  
 LENGTH: 7'  
 DEPTH LANDED: 304'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: N-80  
 WEIGHT: 17#, 20#, 23#  
 NO OF JTS: 192  
 LENGTH: 6020'  
 DEPTH LANDED: 6038'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 602 sx Class "G"

1626

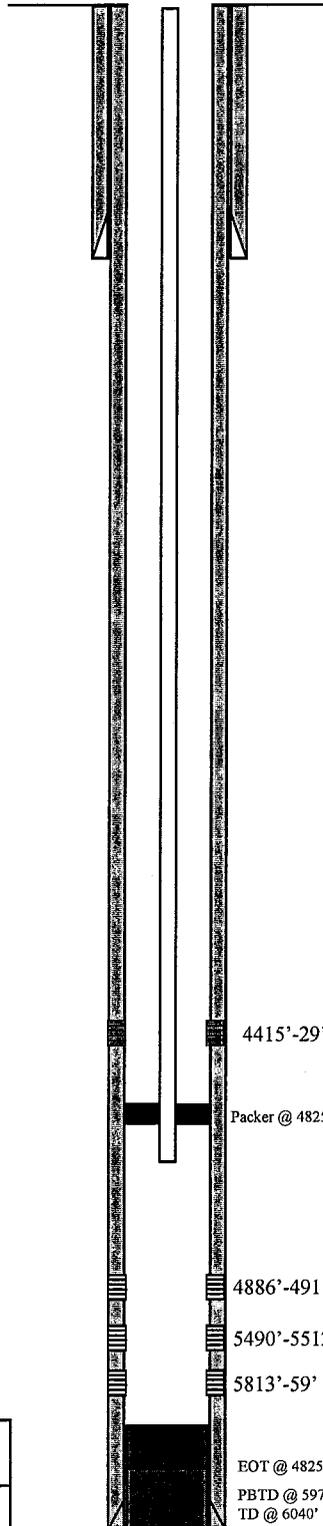
### TUBING

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

LOGS: DIL/SFL/FDC/CNL/CBL

### FRAC JOB

5813'-5859'	27,300 gal, 78,000# 20/40
5490'-5512'	36,250 gal, 90,600# 20/40
4886'-4911'	40,000 gal, 90,800# 20/40
4415'-4429'	17,800 gal, 51,400# 20/40



4415'-29', sqz w/25 sx cmt

### PERFORATION RECORD

Packer @ 4825'	5852'-5859'	2 JSPF	14 holes
	5813'-5826'	2 JSPF	26 holes
	5500'-5512'	4 JSPF	48 holes
	5490'-5498'	4 JSPF	32 holes
	4906'-4911'	4 JSPF	20 holes
	4899'-4904'	4 JSPF	20 holes
	4886'-4898'	4 JSPF	48 holes
	4421'-4429'	4 JSPF	32 holes
	4415'-4420'	4 JSPF	20 holes

4886'-4911'

5490'-5512'

5813'-59'

EOT @ 4825'

PBTD @ 5977'

TD @ 6040'



**Inland Resources Inc.**

**Federal #41-5G**

516 FEL 632 FNL  
 NESW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31205; Lease #U-30096

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84088

Office (435) 722-5066  
Fax (435) 722-5727

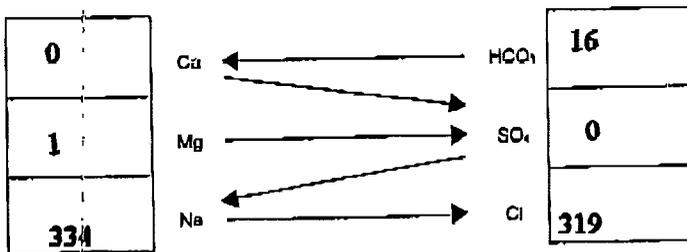
## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 2/27/01  
Source Wells Draw 15-32-8-16 Date Sampled 2/26/01 Analysis No. \_\_\_\_\_

Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>9.1</u>	
2. H <sub>2</sub> S (Qualitative)	<u>0.0</u>	
3. Specific Gravity	<u>1.018</u>	
4. Dissolved Solids	<u>19,979</u>	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub> <u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> <u>976</u>	+ 61 <u>16</u> HCO <sub>3</sub>
7. Hydroxyl (OH)	OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl <u>11,300</u>	+ 35.5 <u>319</u> Cl
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> <u>0</u>	+ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)	Ca <u>8</u>	+ 20 <u>0</u> Ca
11. Magnesium (Mg)	Mg <u>13</u>	+ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )	<u>75</u>	
13. Total Iron (Fe)	<u>1.2</u>	
14. Manganese		
15. Phosphate Residuals		

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04				
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>1</u>		<u>73</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.82				
NaHCO <sub>3</sub>	84.00		<u>15</u>		<u>1,260</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46		<u>319</u>		<u>18,649</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

Received Time-Mar. 1.-10:45AM

**AQUAMIX SCALING PREDICTIONS**

COMPANY: INLAND PRODUCTION CO  
LOCATION:  
SYSTEM:

2-28-2001

WATER DESCRIPTION:	JOHNSON WATER	WELLS DRAW 15-23-8-16
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	393	1601
SULFATE AS PPM SO4	130	0
CHLORIDE AS PPM Cl	71	11300
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	180	20
MAGNESIUM AS PPM CaCO3	169	54
SODIUM AS PPM Na	46	7682
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	600	19979
TEMP (DEG-F)	100	100
SYSTEM PH	7.4	9.1

**WATER COMPATIBILITY CALCULATIONS**

JOHNSON WATER AND WELLS DRAW 15-23-

CONDITIONS: pH=8.3. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

% Water	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.23	56	0	0	0
90	1.20	52	0	0	0
80	1.15	47	0	0	0
70	1.07	41	0	0	0
60	.97	35	0	0	0
50	.86	29	0	0	0
40	.74	23	0	0	0
30	.65	18	0	0	0
20	.52	12	0	0	0
10	.35	6	0	0	0
0	9.50	1	0	0	0

**Attachment "G"**

**Wells Draw Federal #15-32-8-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4446	4462	4454	2100	0.90	2087
4922	5219	5071	2410	0.91	2329
5318	5340	5329	1530	0.72	1515
5552	5566	5559	1530	0.71	1516
5859	5920	5890	2430	0.85	2405
				<b>Minimum</b>	<u><u>1515</u></u>



Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$



### DAILY COMPLETION REPORT

WELL NAME: Wells Draw 15-32-8-16

Report Date: 4/20/00

Completion Day: 03

Present operation: Isolate & frac zones

Rig: KES #57

#### WELL STATUS

Surf Csg:	<u>8 5/8</u>	@	<u>304'</u>	Production csg:	<u>4 1/2" 11.6# J-55 @ 6002'</u>	Csg PBTD:	<u>5968'</u>	
Tbg:	Size:	<u>2 3/8</u>	Wt:	<u>4.7#</u>	Grd:	<u>L-80</u>	Pkr/EOT:	<u>4402'</u>
						BP/Sand PBTD:	<u>5968'</u>	

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	<u>4446-4462'</u>	<u>4/64</u>	B-2 sds	<u>5209-5219'</u>	<u>4/40</u>
D sds	<u>4922-4928'</u>	<u>4/24</u>	A sds	<u>5318-5320'</u>	<u>4/8</u>
B-1 sds	<u>5132-5136'</u>	<u>4/16</u>	A sds	<u>5336-5340'</u>	<u>4/16</u>
B-1 sds	<u>5143-5147'</u>	<u>4/16</u>	LDC sds	<u>5552-5566'</u>	<u>4/56</u>
B-2 sds	<u>5196-5199'</u>	<u>4/12</u>	CP-1 sds	<u>5859-5862'</u>	<u>4/12</u>
B-2 sds	<u>5203-5206'</u>	<u>4/12</u>	CP-2 sds	<u>5914-5920'</u>	<u>4/24</u>

Date Work Performed: 19-Apr-00      SITP:      SICP: 0

Con't TIH W/ 4 1/2" straddle packer assembly & tbg f/ 4367'. Isolate CP perfs @ 5914-20'. RU Halliburton and pump 56 bbls crosslinked fluid dn annulus. An unknown set of perfs broke dn & took fluid--no returns up tbg. RU to tbg and frac CP-2 sds dn 2 3/8 L-80 tbg W/ 36,000# 20/40 sand in 271 bbls (20#) Deltafrac 140. Perfs broke dn @ 5600 psi. Treated @ ave press of 5344 psi W/ ave rate of 12.2 BPM. ISIP-2430 psi. RD HES. Had problem with downhole tbg valve not closing--unable to move tool. Flowback frac on 16/64 & 24/64 chokes until pressure bled down. Rec 68 BTF. Able to function tbg valve. Move tool and set in csg blank. Unable to get tools to test (3 tries). Flow well down. Rec add'l 18 BTF. Release tool. TOH W/ tbg & LD straddle packer ass'y. Top cup split & missing some rubber. Tbg pulled wet--rec add'l 22 BTF. Re-dress packers. TIH W/ same & tbg. Can't work tool deeper than 1550'. TOH W/ tbg & tools. Had small rubber pieces stuck in lower by-pass. Top cup bad. TIH W/ NC & tbg to 4402'. SIFN W/ est 284 BWTR (includes 65 bbls ahead of frac).

Starting fluid load to be recovered:	<u>0</u>	Starting oil rec to date:	<u>0</u>
Fluid lost/recovered today:	<u>284</u>	Oil lost/recovered today:	<u>0</u>
Ending fluid to be recovered:	<u>284</u>	Cum oil recovered:	<u>0</u>
IFL: _____ FFL: _____ FTP: _____	Choke: _____	Final Fluid Rate: _____	Final oil cut: _____

#### STIMULATION DETAIL

Base Fluid used: Deltafrac 140      Job Type: Sand frac  
 Company: Halliburton

Procedure or Equipment detail:

- 3000 gals of pad
- 1000 gals W/ 1-4 ppg of 20/40 sand
- 6433 gals W/ 4-8 ppg of 20/40 sand
- Flush W/ 961 gals of 10# linear gal

Pumped down 2 3/8 L-80 tbg.

Max TP:	<u>7100</u>	Max Rate:	<u>14.6 BPM</u>	Total fluid pmpd:	<u>271 bbls</u>
Avg TP:	<u>5344</u>	Avg Rate:	<u>12.2 BPM</u>	Total Prop pmpd:	<u>36,000#</u>
ISIP:	<u>2430</u>	5 min:	_____	10 min:	_____
				15 min:	_____

Completion Supervisor: Gary Dietz

#### COSTS

KES rig	<u>\$2,402</u>
BOP	<u>\$130</u>
IPC Supervision	<u>\$200</u>

DAILY COST: \$2,732  
 TOTAL WELL COST: \$174,209



**DAILY COMPLETION REPORT**

WELL NAME: Wells Draw 15-32-8-16

Report Date: 4/21/00

Completion Day: 04

Present operation: Isolate & frac zones

Rig: KES #57

**WELL STATUS**

Surf Csg: 8 5/8 @ 304' Production csg: 4 1/2" 11.6# J-55 @ 6002' Csg PBTD: 5968'  
Tbg: Size: 2 3/8 Wt: 4.7# Grd: L-80 Pkr/EOT: 5510' BP/Sand PBTD: 5610'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	4446-4462'	4/64	B-2 sds	5209-5219'	4/40
D sds	4922-4928'	4/24	A sds	5318-5320'	4/8
B-1 sds	5132-5136'	4/16	A sds	5336-5340'	4/16
B-1 sds	5143-5147'	4/16	LDC sds	5552-5566'	4/56
B-2 sds	5196-5199'	4/12	CP-1 sds	5859-5862'	4/12
B-2 sds	5203-5206'	4/12	CP-2 sds	5914-5920'	4/24

Date Work Performed: 20-Apr-00 SITP: 0 SICP: 0

Con't TIH W/ NC & tbg f/ 4402' to 5628'. Rev circ hole clean. No visible sign of rubber in returns. No fluid loss. TOH W/ tbg & NC. TIH W/ re-dressed 4 1/2" straddle packer assembly & tbg. Set tool in csg blank. Tbg tests good, tools won't test. Release tools. TOH W/ tbg. LD packers. TIH W/ BV RBP, RH, pup jt, RTTS packer & tbg. Set RBP @ 5610'. Set pkr. Press test tools-good. Move pkr to 5510' & set. RU HES and frac LDC sds W/ 50,000# 20/40 sd in 283 bbls Deltafrac 140. Perfs broke dn @ 2657 psi. Treated @ ave press of 5580 psi W/ ave rate of 14.8 BPM before screening out W/ 7# sd on perfs. Est 45,000# sd in perfs, 5,000# sd left in tbg. Flow well back through 12/64" choke for 3 3/4 hrs & died. Rec 128 BTF (est 45% of frac load). Flow heavy sand first 40 bbls, cleaned up towards end. SIFN W/ est 439 BWTR.

Starting fluid load to be recovered: <u>284</u>	Starting oil rec to date: <u>0</u>
Fluid lost/recovered today: <u>155</u>	Oil lost/recovered today: <u>0</u>
Ending fluid to be recovered: <u>439</u>	Cum oil recovered: <u>0</u>
IFL: _____ FFL: _____ FTP: _____	Choke: <u>12/64</u> Final Fluid Rate: _____ Final oil cut: _____

**STIMULATION DETAIL**

Base Fluid used: Deltafrac 140 Job Type: Sand frac  
Company: Halliburton

Procedure or Equipment detail:

- 2500 gals of pad
- 1000 gals W/ 1-4 ppg of 20/40 sand
- 8383 gals W/ 4-7 ppg of 20/40 sand
- Screened out W/ 7# sd on perfs. Est 45,000# sd in perfs & left est 5,000# sd in tbg.

Pumped down 2 3/8 L-80 tbg

Max TP: <u>7100</u> Max Rate: <u>15.1 BPM</u> Total fluid pmpd: <u>283 bbls</u>
Avg TP: <u>5580</u> Avg Rate: <u>14.8 BPM</u> Total Prop pmpd: <u>50,000#</u>
ISIP: _____ 5 min: _____ 10 min: _____ 15 min: _____

Completion Supervisor: Gary Dietz

**COSTS**

KES rig	\$2,994
BOP	\$130
IPC Supervision	\$200

DAILY COST: \$3,324

TOTAL WELL COST: \$177,533



DAILY COMPLETION REPORT

WELL NAME: Wells Draw 15-32-8-16

Report Date: 4/22/00

Completion Day: 05

Present operation: Isolate & frac zones

Rig: KES #57

WELL STATUS

Surf Csg: 8 5/8 @ 304' Production csg: 4 1/2" 11.6# J-55 @ 6002' Csg PBDT: 5968'  
Tbg: Size: 2 3/8 Wt: 4.7# Grd: L-80 Pkr/EOT: 5082' BP/Sand PBDT: 5249'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	4446-4462'	4/64	B-2 sds	5209-5219'	4/40
D sds	4922-4928'	4/24	A sds	5318-5320'	4/8
B-1 sds	5132-5136'	4/16	A sds	5336-5340'	4/16
B-1 sds	5143-5147'	4/16	LDC sds	5552-5566'	4/56
B-2 sds	5196-5199'	4/12	CP-1 sds	5859-5862'	4/12
B-2 sds	5203-5206'	4/12	CP-2 sds	5914-5920'	4/24

Date Work Performed: 21-Apr-00

SITP: 100

SICP: 0

Bleed tbg off-rec est 3 BTF W/ tr oil. Pressure up on csg & release pkr @ 5510'. TIH W/ tbg & tag sd @ 5530'. C/O sd to RBP @ 5610'. Circ hole clean. Release RBP. Pull up to 5368' & re-set. Either pkr set also or sand settled around pkr. Tools became stuck. Work & circulate tools loose. Lost 117 BW circulating. Retrieve RBP & TOH. LD pkr & plug. Pkr missing 1 1/2 elements. TIH W/ re-dressed BV RBP, RH, pup jt, RTTS pkr & tbg. Set plug @ 5380'. Set pkr @ 5295'. RU HES & breakdown A sds @ 3958 psi. Initial injection rate @ 11.8 BPM @ 6120 psi, Final injection rate @ 9.5 BPM @ 5996 psi. ISIP-1530 psi. Pumped 99 bbls. Bleed off tbg -rec 4 BW. Release pkr. TIH & retrieve RBP. Re-set RBP @ 5249'. Set pkr @ 5082'. RU HES and frac B-1 & B-2 sds W/ 68,000# 20/40 sd in 395 bbls Deltafrac 140. Perfs broke @ 3157 psi. Treated @ ave press of 4800 psi W/ ave rate of 14.4 BPM. Screened out as went to flush W/ 6.7 # on perfs. RD HES. Flowback well on 12/64 choke for 3 3/4 hrs & died. Rec 134. BTF (est 34% of load). SIFN W/ est 909 BWTR.

Starting fluid load to be recovered: 439

Starting oil rec to date: 0

Fluid lost/recovered today: 470

Oil lost/recovered today: 0

Ending fluid to be recovered: 909

Cum oil recovered: 0

IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: 12/64 Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: Deltafrac 140 Job Type: Sand frac

Company: Halliburton

Procedure or Equipment detail:

- 4000 gals of pad
- 1000 gals W/ 1-4 ppg of 20/40 sand
- 10000 gals W/ 4-7 ppg of 20/40 sand
- 1585 gals W/ 6-7 ppg of 20/40 sand

Screened out W/ 6.7# sd on perfs. Est 64,500# sd in perfs & left est 3,500 # sd in tbg.

Pumped down 2 3/8 L-80 tbg

Max TP: 7990 Max Rate: 14.6 BPM Total fluid pmpd: 395

Avg TP: 4800 Avg Rate: 14.4 BPM Total Prop pmpd: 68,000#

ISIP: 1530 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Gary Dietz

COSTS

KES rig	\$3,200
BOP	\$130
IPC Supervision	\$200

DAILY COST: \$3,530

TOTAL WELL COST: \$181,063





DAILY COMPLETION REPORT

WELL NAME: Wells Draw 15-32-8-16

Report Date: 4/25/00

Completion Day: 07

Present operation: Clean out pull RBP.

Rig: KES #57

WELL STATUS

Surf Csg: 8 5/8 @ 304' Production csg: 4 1/2" 11.6# J-55 @ 6002' Csg PBD: 5968'  
Tbg: Size: 2 3/8 Wt: 4.7# Grd: L-80 Pkr/EOT: 0 BP/Sand PBD: 4517'  
Top of RTTS pkr & tbg stub @ 5003' BV RPB @ 4517'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	4446-4462'	4/64	B-2 sds	5209-5219'	4/40
D sds	4922-4928'	4/24	A sds	5318-5320'	4/8
B-1 sds	5132-5136'	4/16	A sds	5336-5340'	4/16
B-1 sds	5143-5147'	4/16	LDC sds	5552-5566'	4/56
B-2 sds	5196-5199'	4/12	CP-1 sds	5859-5862'	4/12
B-2 sds	5203-5206'	4/12	CP-2 sds	5914-5920'	4/24

Date Work Performed: 24-Apr-00

SITP: 0

SICP: 0

Bleed down tbg, Pressure up on csg ( 800 psi) release packer. Circulate hole clean. TOH with RTTS packer. L/d packer. PU & MU retrieving head and TIH w/159 jt's tbg. Tag sand @ 4912'. RU & Circulate clean to RBP @ 4970'. Release plug circulate hole clean. Lost est. 46 bbls water. Work RBP past tight spot @ 4965' TOH to 4403'. Set RBP and test to 2500psi. NO TEST. TOH with tbg and Bridge plug. PU & MU New RBP and TIH w/147 jt's set RBP @ 4517' KB. TOH w/ tbg. Rig up Halliburton's Isolation tool and CSG Frac GB sands with 45,000# sand in 364 bbls Delta Frac fluid. Rig down HES. Bleed down frac. thru 12/64 choke est 1 bbl/pm. Recovered 150 bbls. EST. 41% of frac. Well flowed 3 1/2 hours. Rig down and lay down Halliburton Isolation tool. SWIFN with est 1550 water to recover.

Starting fluid load to be recovered: 1255	Starting oil rec to date: 0
Fluid lost/recovered today: 260	Oil lost/recovered today: 0
Ending fluid to be recovered: 1515	Cum oil recovered: 0
IFL: 0 FFL: 0 FTP:	Choke: 12/64 Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Deltafrac 140 Job Type: Sand frac  
Company: Halliburton

KES rig	\$2,788
BOP	\$130
Halliburton (frac)	\$91,111
IPC Supervision	\$200
Fuel gas	\$1,200
Tiger Tanks	\$240
IPC tanks	\$70
Water & Trucking	\$2,400
HES Tool's (?)	

Procedure or Equipment detail:

- 3500 gals of pad
- 1000 gals W/ 1-4 ppg of 20/40 sand
- 7000 gals W/ 4-7 ppg of 20/40 sand
- 500 gals W/ 7 ppg of 20/40 sand
- Flush W/ 2856 gals of 10# linear gel

Max TP: 2410 Max Rate: 20.3 BPM Total fluid pmpd: 364  
 Avg TP: 2,000 Avg Rate: 20 BPM Total Prop pmpd: 45,000#  
 ISIP: 2100 5 min: 1984 10 min: 15 min:

Completion Supervisor: Pat Wisener

DAILY COST: \$98,139  
TOTAL WELL COST: \$285,660

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 211' plug from 5759'-5970' with 30 sx Class "G" cement.
2. Plug #2 Set 164' plug from 5452'-5616' with 25 sx Class "G" cement.
3. Plug #3 Set 1044' plug from 4346'-5390' with 125 sx Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
5. Plug #5 Set 100' plug from 254'-354' (50' on either side of casing shoe) with 15 sx Class "G" cement.
6. Plug #6 Set 50' plug from surface with 10 sx Class "G" cement.
7. Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 326' to surface.

The approximate cost to plug and abandon this well is \$18,000.

# Wells Draw #15-32-8-16

Spud Date: 3/29/2000  
 Put on Production: 5/1/2000  
 GL: 5755' KB: 5765'

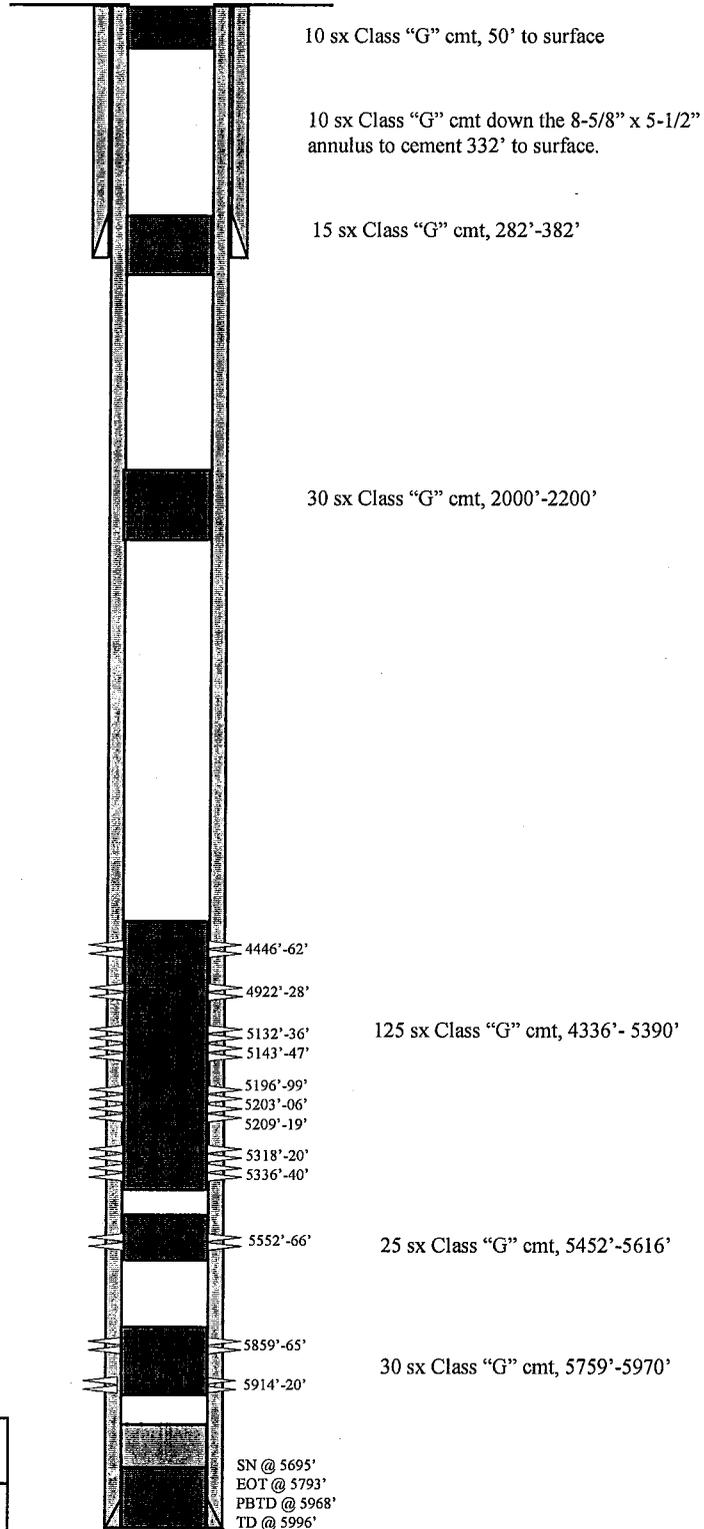
**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (306.5')  
 DEPTH LANDED: 304.1'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6014.5')  
 DEPTH LANDED: 6002.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

Proposed P & A Wellbore Diagram



	<b>Inland Resources Inc.</b>
	<b>Wells Draw #15-32-8-16</b> 1824 FEL 738 FSL SWSE Section 32-T8S-R16E Duchesne Co, Utah API #43-013-31676; Lease #UTU-76787

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.	UTU-76787
6. If Indian, Allottee or Tribe Name	NA
7. If unit or CA, Agreement Designation	
8. Well Name and No.	Wells Draw State #15-32
9. API Well No.	43-013-31676
10. Field and Pool, or Exploratory Area	Monument Butte
11. County or Parish, State	Duchesne County, UT

*SUBMIT IN TRIPLICATE*

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other
2. Name of Operator <b>INLAND PRODUCTION COMPANY</b>
3. Address and Telephone No. <b>410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  SW/SE    1824' FEL, 738' FSL    Sec. 32, T8S, R16E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water
		<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. 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)

Please see attached injection application.

**RECEIVED**

MAR 08 2001

**DIVISION OF  
OIL, GAS AND MINING**

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

Signed Joyce I. McGough Title Regulatory Specialist Date 2/28/01

**Joyce I. McGough**

(This space of Federal or State office use.)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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



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 2, 2001

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Wells Draw Unit Well: Wells Draw State 15-32-8-16, Section 32, Township 8 South,  
Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,



John R. Baza  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton  
SITLA, Salt Lake City

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Wells Draw State 15-32-8-16

**Location:** 32/9S/16E

**API:** 43-013-31676

**Ownership Issues:** The proposed well is located on land owned by the State of Utah (SITLA). The well is located in the Wells Draw Unit. Lands in the one-half mile radius of the well are administered by SITLA and the BLM. SITLA and the Federal Government are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Wells Draw Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 306 feet and has a cement top at the surface. A 5 1/2 inch production casing is set at 6002 feet and has a cement bond in excess of 80% up to 922'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4414 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells and 5 water injection wells and in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 800 feet. Injection shall be limited to the interval between 4446 feet and 5920 feet in the Green River Formation. Information submitted by Inland indicates that the minimum fracture gradient for the 15-32-8-16 well is .72 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1515 psig. The requested maximum pressure is 1515 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Wells Draw State 15-32-8-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Wells Draw Unit on January 26, 1994. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the State

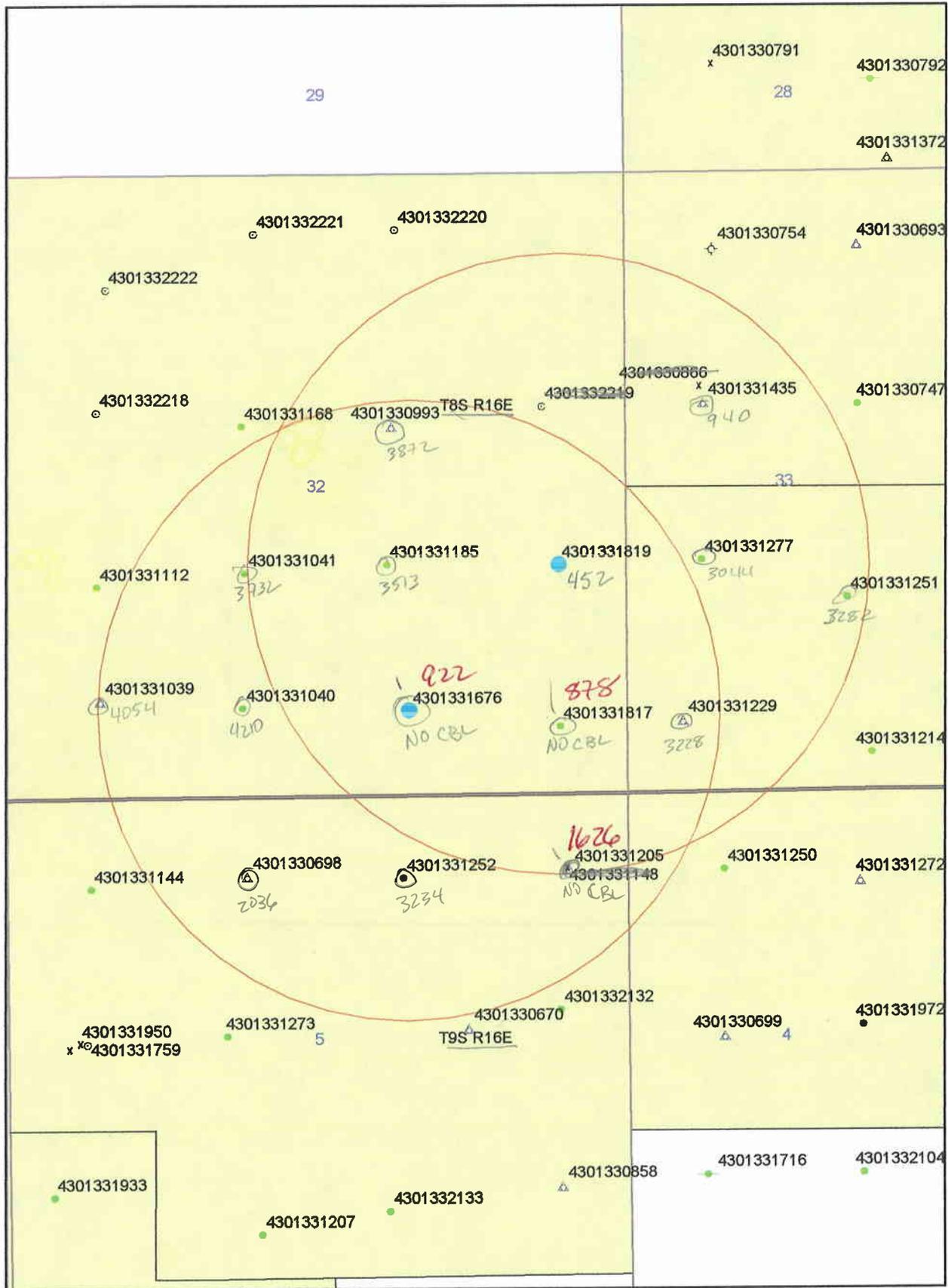
**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date 5/2/2001

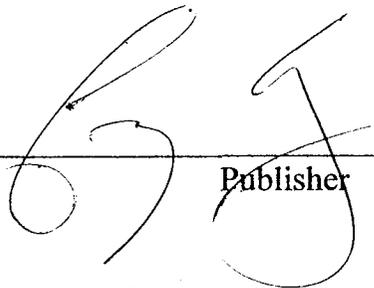
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# AFFIDAVIT OF PUBLICATION

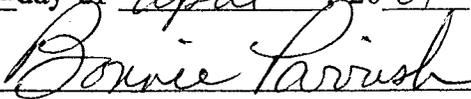
County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 10 day of April, 20 01, and that the last publication of such notice was in the issue of such newspaper dated the 10 day of April, 20 01.



Publisher

Subscribed and sworn to before me this  
12 day of April, 20 01



Notary Public

# NOTICE OF AGENCY ACTION

CAUSE NO. UIC-272  
BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE WELLS DRAW STATE 9-32-8-16 and 15-32-8-16 WELLS LOCATED IN SECTION 32, TOWNSHIP 8 SOUTH, RANGE 16 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Wells Draw State 9-32-8-16 and 15-32-8-16 Wells, located in Section 32, Township 8 South, Range 16 East, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the

rules. Protestants and/or  
interveners should be pre-  
pared to demonstrate at the  
hearing how this matter af-  
fects their interests.

Dated this 2<sup>nd</sup> day of  
April, 2001.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

John R. Baza

Associate Director

Published in the Uintah  
Basin Standard April 10,  
2001.

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation  
The Salt Lake Tribune  DESERET NEWS

CUSTOMER'S  
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	04/09/01

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL82013S3F1
SCHEDULE	
START 04/09/01 END 04/09/01	
CUST. REF. NO.	
UIC-272	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
57 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	132.24
TOTAL COST	
132.24	

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

---ooOoo---

IN THE MATTER OF THE : NOTICE OF AGENCY  
APPLICATION OF INLAND : ACTION  
PRODUCTION COMPANY FOR :  
ADMINISTRATIVE APPROVAL OF : CAUSE NO. UIC-272  
THE WELLS DRAW STATE 9-32- :  
8-16 and 15-32-8-16 WELL :  
LOCATED IN SECTION 32, TOWN- :  
SHIP 8 SOUTH, RANGE 16 EAST, :  
S.L.M., DUCHESNE COUNTY, UTAH, :  
AS A CLASS II INJECTION WELL

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE  
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Wells Draw State 9-32-8-16 and 15-32-8-16 Wells, located in Section 32, Township 8 South, Range 16 East, Duchesne County, Utah, for conversion to a Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April, 2001.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ John R. Baza  
Associate Director

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT  
ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA  
DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE  
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS  
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN U82013S3F  
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 04/09/01 END 04/09/01

SIGNATURE *James Baza*

DATE 04/09/01

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"**  
**PLEASE PAY FROM BILLING STATEMENT.**



August 1, 2002

Mr. Dan Jarvis  
State of Utah, DOGM  
1594 West North Temple -- Suite 1310  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Injection Conversion  
Wells Draw 15-32-8-16  
Sec.32, T8S, R16E  
API # 43-013-31676

Dear Mr. Dan Jarvis,

Please find enclosed the sundry, tabular sheet and a copy of the chart on the Wells Draw 15-32-8-16. The subject well was placed from a producing to an injection well. If you have any questions please let me know.

Sincerely,

Krishna Russell  
Production Clerk

**RECEIVED**

AUG 05 2002

**DIVISION OF  
OIL, GAS AND MINING**

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-21836

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.)

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

N/A

OIL  GAS   
WELL  WELL  OTHER

7. UNIT AGREEMENT NAME

WELLS DRAW UNIT

2. NAME OF OPERATOR  
INLAND PRODUCTION COMPANY

8. FARM OR LEASE NAME  
WELLS DRAW 15-32-8-16

3. ADDRESS OF OPERATOR  
Rt. 3 Box 3630, Myton Utah 84052  
435-646-3721

9. WELL NO.  
WELLS DRAW 15-32-8-16

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

SWSE Section 32, T8S R16E  
738 FSL 1823 FEL

10. FIELD AND POOL, OR WILDCAT  
MONUMENT BUTTE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SWSE Section 32, T8S R16E

14. API NUMBER  
43-013-31676

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5755 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:

TEST WATER SHUT-OFF  PULL OR ALTER CASING   
FRACTURE TREAT  MULTIPLE COMPLETE   
SHOOT OR ACIDIZE  ABANDON\*   
REPAIR WELL   
(OTHER)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  REPAIRING WELL   
FRACTURE TREATMENT  ALTERING CASING   
SHOOTING OR ACIDIZING  ABANDONMENT\*   
(OTHER)  Injection Conversion

(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.)\*

The subject well was converted from a producing to an injection well on 7/29/02. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly at 4381'. On 7/31/02 Mr. Dennis Ingram w/ State DOGM was notified of the intent to conduct a MIT on the casing. On 08/01/02 the casing was pressured to 1255 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell  
Krishna Russell

TITLE Production Clerk

DATE 8/1/2002

cc: BLM

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

**RECEIVED**  
AUG 05 2002  
DIVISION OF  
OIL, GAS AND MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/1/02 Time 10:00 (am) pm

Test Conducted by: Reddie Bird

Others Present: \_\_\_\_\_

Well: wells Draw 15-32-8-16

Field: wells Draw

Well Location: sw/SE Sec 32, T8S, R16E API No: 43-013-31676

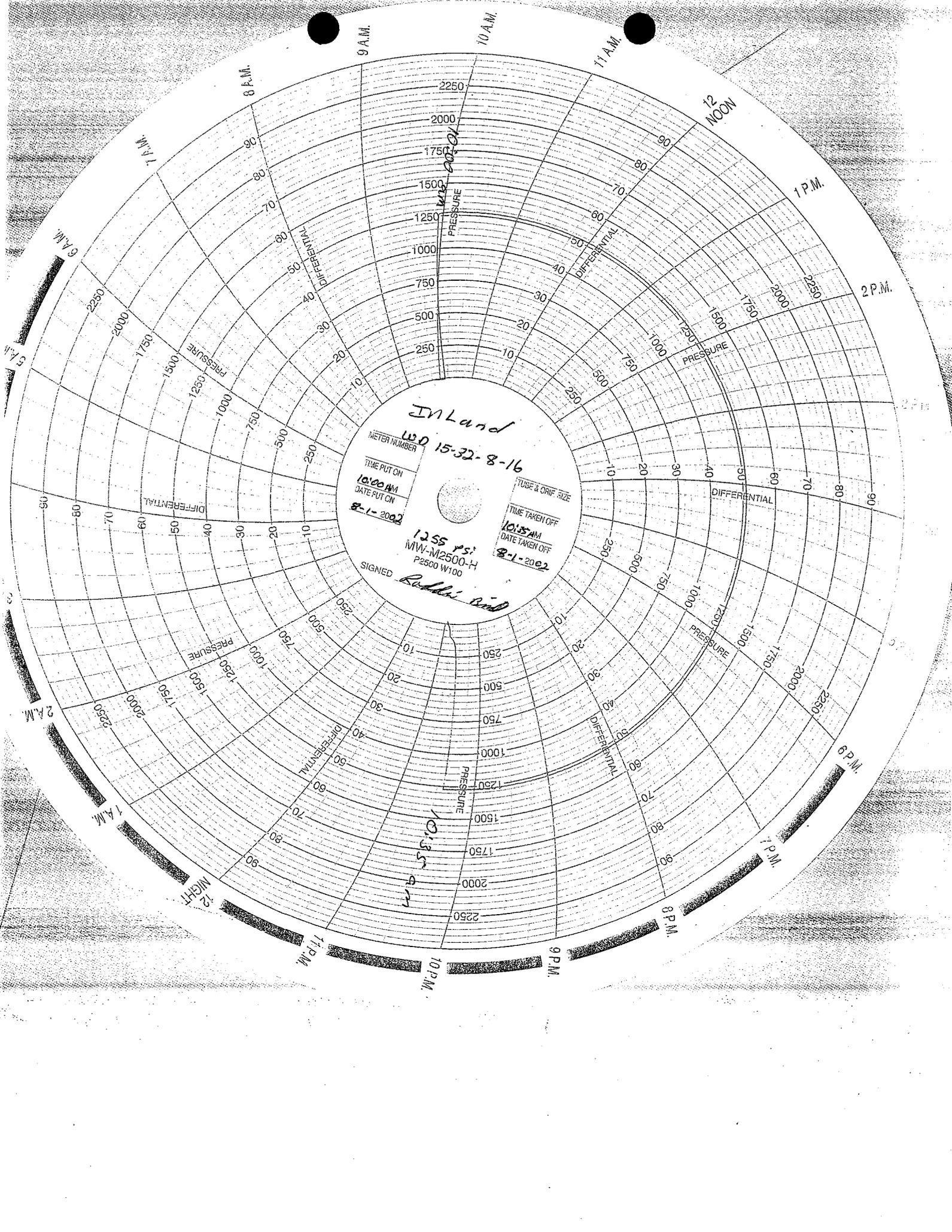
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1255</u>	psig
5	<u>1255</u>	psig
10	<u>1255</u>	psig
15	<u>1255</u>	psig
20	<u>1255</u>	psig
25	<u>1255</u>	psig
30 min	<u>1255</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 220 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Reddie Bird



INland

METER NUMBER  
W0 15-32-8-16

TIME PUT ON  
10:00 AM  
DATE PUT ON  
8-1-2002

1255 PSI  
MW-M2500-H  
P2500 W100

SIGNED  
R. R. Rind

TUBE & ORIF. SIZE  
TIME TAKEN OFF  
10:55 AM  
DATE TAKEN OFF  
8-1-2002

10:55 AM

STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING

<p><b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b></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><b>2. NAME OF OPERATOR</b>                  INLAND PRODUCTION COMPANY</p> <p><b>3. ADDRESS AND TELEPHONE NUMBER</b>                  Rt. 3 Box 3630, Myton Utah 84052                  435-646-3721</p> <p><b>4. LOCATION OF WELL</b></p> <p>Footages <b>738 FSL 1828 FEL</b></p> <p>QQ, SEC, T, R, M: <b>SWSE Section 32, T8S R16E</b></p>	<p><b>5. LEASE DESIGNATION AND SERIAL NO.</b>                  ML-21836</p> <p><b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>                  N/A</p> <p><b>7. UNIT AGREEMENT NAME</b>                  WELLS DRAW UNIT</p> <p><b>8. WELL NAME and NUMBER</b>                  WELLS DRAW 15-32-8-16</p> <p><b>9. API NUMBER</b>                  43-013-31676</p> <p><b>10. FIELD AND POOL, OR WILDCAT</b>                  MONUMENT BUTTE</p> <p>COUNTY <b>DUCHESNE</b>                  STATE <b>UTAH</b></p>
---	---

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

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

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

The above referenced well was put on injection at 11:30 a.m. on 8/20/02.

**13. NAME & SIGNATURE:** Mandie Crozier TITLE Permit Clerk DATE 8/20/2002

(This space for State use only)

**RECEIVED**  
 AUG 21 2002  
 DIVISION OF  
 OIL, GAS AND MINING



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

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

**UNDERGROUND INJECTION CONTROL PERMIT**

Cause No. UIC-272

**Operator:** Inland Production Company  
**Well:** Wells Draw 15-32-8-16  
**Location:** Section 32, Township 8 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31676  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 2, 2001.
2. Maximum Allowable Injection Pressure: 1515 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4446 feet - 5920 feet)

Approved by:

  
John R. Baza  
Associate Director

8/19/02  
Date

er

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton  
SITLA, Salt Lake City

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:		State : UTAH

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
 Title: Technical Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

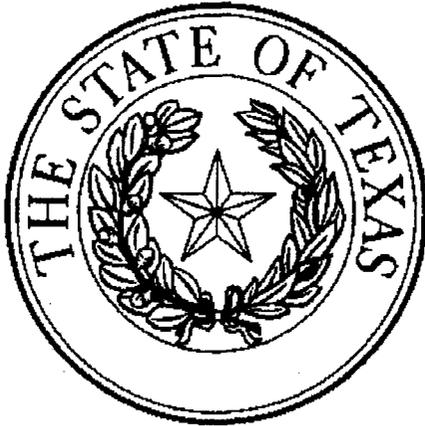
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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



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

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

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

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

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21836
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
8. WELL NAME and NUMBER: WELLS DRW 15-32-8-16
9. API NUMBER: 4301331676
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 738 FSL 1823 FEL COUNTY: DUCHESNE  
 OTR/OTR SECTION TOWNSHIP RANGE MERIDIAN: SWSE, 32, T8S, R16E 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: 08/09/2006	<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 July 10, 2006. Results from the test indicate that the fracture gradient is .825 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1735 psi.

*From 1515*

Approved by the  
 U.S. Department of the Interior  
 Bureau of Land Management  
 Date: 08-24-06  
 By: *[Signature]*

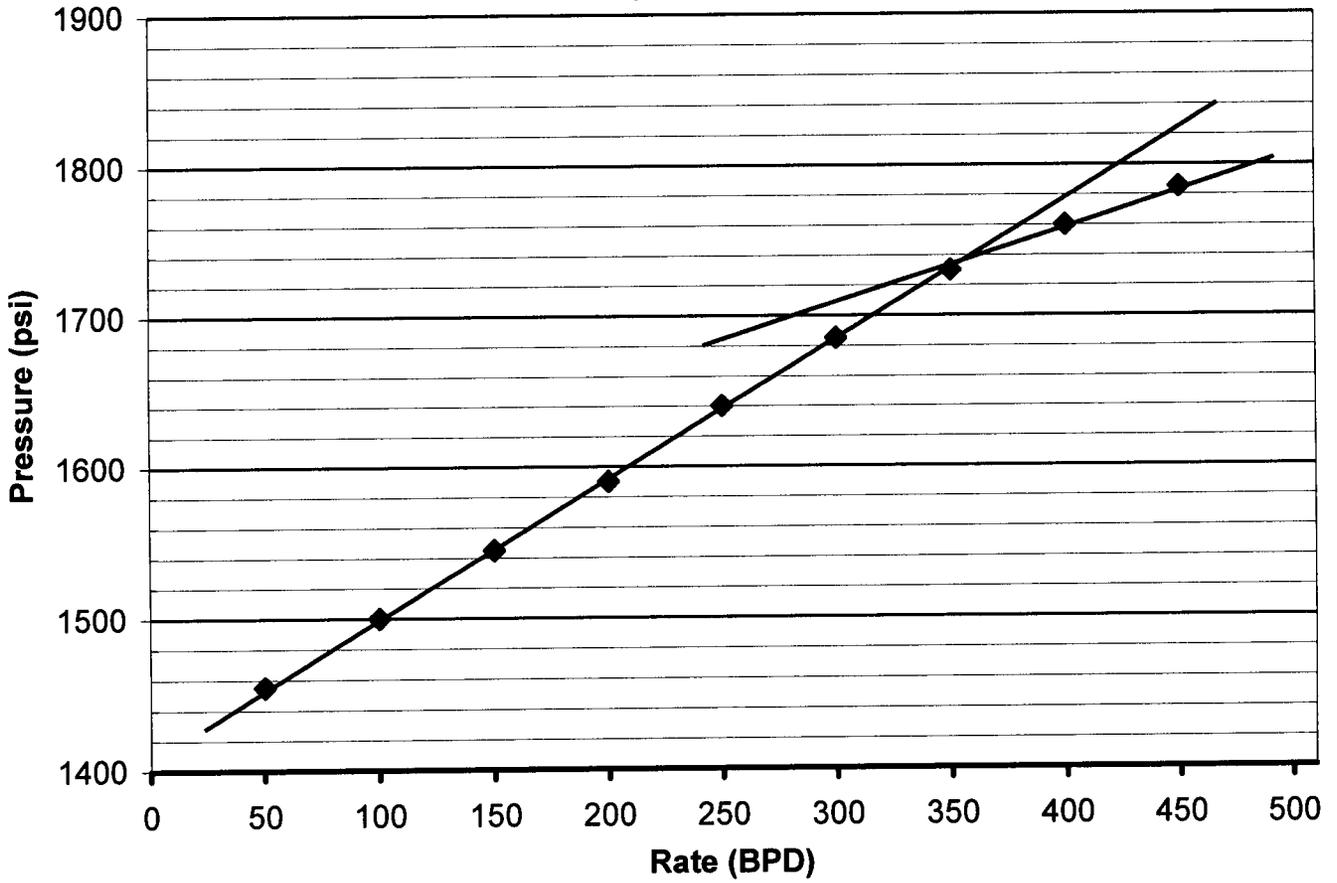
COPY SENT TO OPERATOR  
 Date: 10-11-06  
 Initial: DM

NAME (PLEASE PRINT) Cheyenne Bateman TITLE Well Analyst Foreman  
 SIGNATURE *[Signature]* DATE 08/09/2006

(This space for State use only)

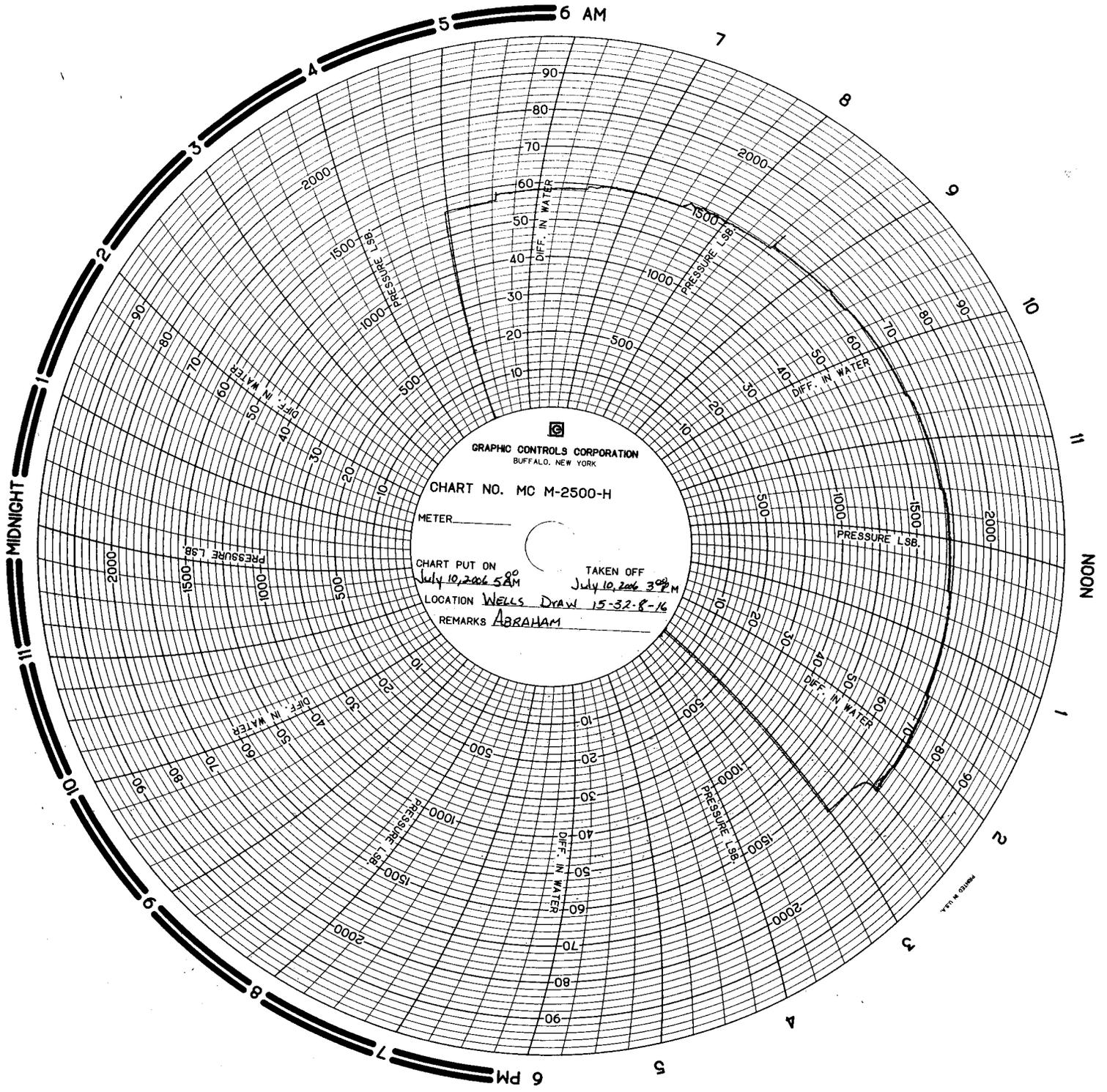
**RECEIVED**  
**AUG 11 2006**  
 DIV. OF OIL, GAS & MINING

**Wells Draw 15-32-8-16**  
**Wells Draw Unit**  
**Step Rate Test**  
**July 10, 2006**



**Start Pressure:** 1405 psi  
**Instantaneous Shut In Pressure (ISIP):** 1770 psi  
**Top Perforation:** 4446 feet  
**Fracture pressure (Pfp):** 1735 psi  
**FG:** 0.825 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	1455
2	100	1500
3	150	1545
4	200	1590
5	250	1640
6	300	1685
7	350	1730
8	400	1760
9	450	1785



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_

CHART PUT ON

July 10, 2006 5:00 AM

TAKEN OFF

July 10, 2006 3:00 PM

LOCATION WELLS DRAW 15-32-R-16

REMARKS ABRAHAM

MADE IN U.S.A.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

5. Lease Serial No.  
UTAH STATE ML-21836

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
WELLS DRAW UNIT

8. Well Name and No.  
WELLS DRAW 15-32-8-16

9. API Well No.  
4301331676

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
 Oil Well  Gas Well  Other *CEI*

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
738 FSL 1823 FEL  
SWSE Section 32 T8S R16E

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	<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	Five Year MIT _____
	<input type="checkbox"/> Convert to	<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.)

On 07/03/07 Dennis Ingram with the State of Utah (DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 07/03/07. On 07/03/07 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1515 psig during the test. There was a State representative available to witness the test.  
(Dennis Ingram)  
API# 43-013-31676

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
07-18-07  
*[Signature]*

I hereby certify that the foregoing is true and correct (Printed/ Typed)  
Jentri Park  
Signature *[Signature]*

Title  
Production Clerk

Date  
07/11/2007

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

(Instructions on reverse)  
COPY SENT TO OPERATOR  
Date: 7-18-07  
Initials: DN

RECEIVED  
JUL 13 2007  
DIV. OF OIL, GAS & MINING

2ND

INJECTION WELL - PRESSURE TEST

Well Name: Wells DEAN 15-32-8-16 API Number: 43-013-31676  
 Qtr/Qtr: SW/SE Section: 32 Township: 8S Range: 14E  
 Company Name: NEWFIELD PRODUCTION CO  
 Lease: State ML-21836 Fee \_\_\_\_\_ Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Dennis J. [Signature] Date: 7-2-07

Initial Conditions:

Tubing - Rate: Dynamic 0 Pressure: 1515 psi  
 Casing/Tubing Annulus - Pressure: 1300 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1300</u>	<u>1515</u>
5	<u>1300</u>	<u>1515</u>
10	<u>1300</u>	<u>1515</u>
15	<u>1300</u>	<u>1515</u>
20	<u>1300</u>	<u>1515</u>
25	<u>1300</u>	<u>1515</u>
30	<u>1300</u>	<u>1515</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1515 psi  
 Casing/Tubing Annulus Pressure: 1300 psi

COMMENTS: Spew test - test @ 10:00 AM  
 \_\_\_\_\_  
 \_\_\_\_\_

[Signature]  
 Operator Representative

RECEIVED  
 JUL 17 2007  
 DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21836
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> WELLS DRAW 15-32-8-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 4301331676000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0738 FSL 1824 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 32 Township: 08.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/5/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 06/05/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1525 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 06, 2012</b></p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/6/2012

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: *[Signature]* Date 6/5/12 Time 10:54  am  pm  
Test Conducted by: Kody Olson  
Others Present: \_\_\_\_\_

Well: Wells Draw Unit 15-32-8-16 Field: Mon. Butte  
Well Location: SW/SE Sec. 32, T8S, R16E API No: 43-013-31676  
Duchesne Cty, UT UTV 87538X

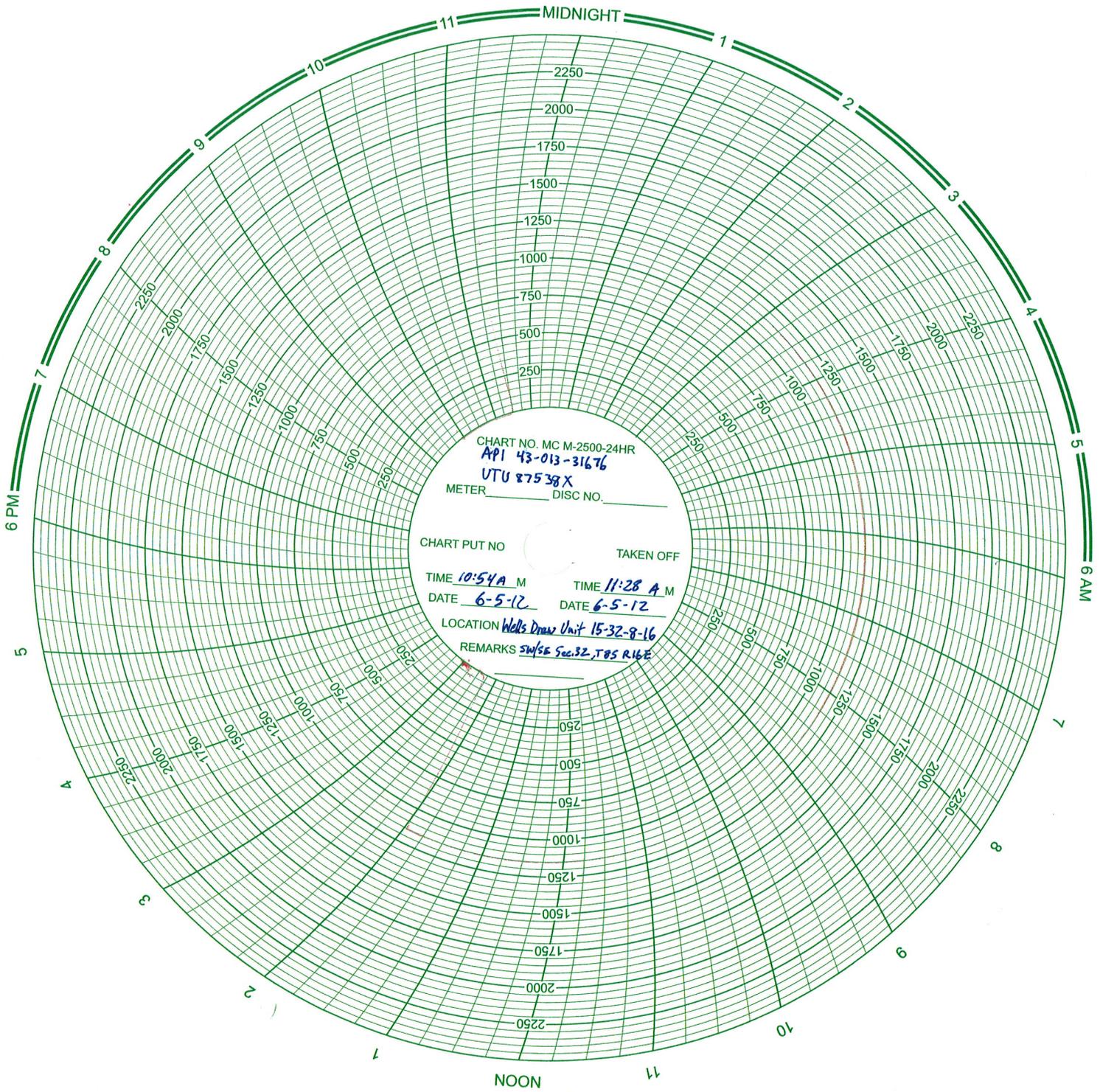
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1150</u>	psig
5	<u>1150</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20	<u>1150</u>	psig
25	<u>1150</u>	psig
30 min	<u>1150</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

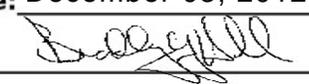
Tubing pressure: 1525 psig

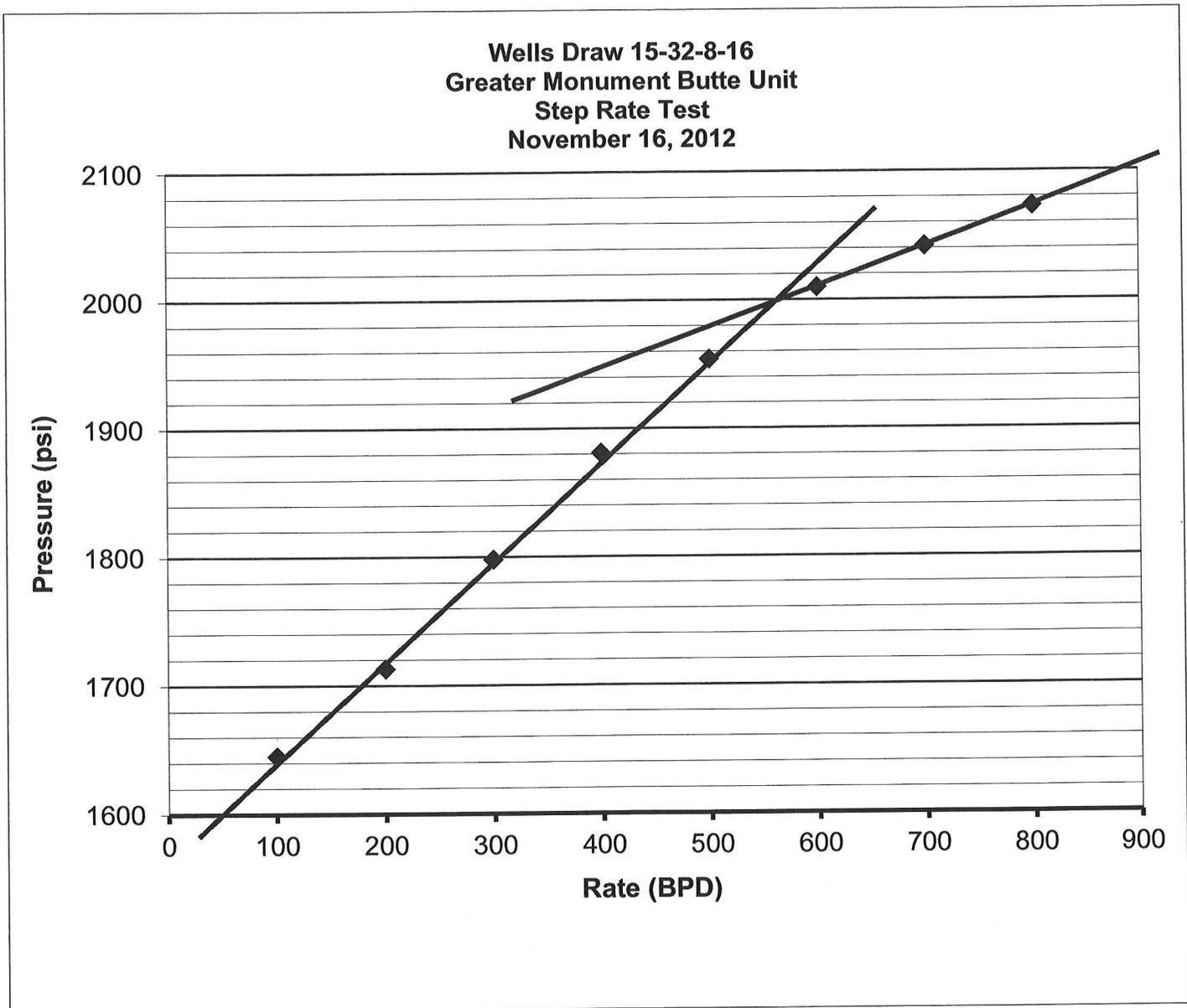
Result: Pass Fail

Signature of Witness: *[Signature]*

Signature of Person Conducting Test: *[Signature]*



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21836
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> WELLS DRAW 15-32-8-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013316760000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0738 FSL 1824 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 32 Township: 08.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input 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="Step Rate Test"/>	
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 November 16, 2012. Results from the test indicate that the fracture gradient is 0.889 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1735 psi to 2000 psi.		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> December 03, 2012  <b>By:</b> 
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2012	



		<u>Step</u>	<u>Rate(bpd)</u>	<u>Pressure(psi)</u>
<b>Start Pressure:</b>	1590 psi	1	100	1645
		2	200	1713
<b>Top Perforation:</b>	4446 feet	3	300	1798
<b>Fracture pressure (Pfp):</b>	2000 psi	4	400	1881
<b>FG:</b>	0.889 psi/ft	5	500	1954
		6	600	2010
		7	700	2042
		8	800	2073

**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 11/16/2012 18:29:02  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\  
 Wells Draw 15-32-8-16 SRT (11-16-2012).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N87695  
 Device ID: PrTemp  
 Data Start Date: Nov 16, 2012 08:30:00 AM MST  
 Data End Date: Nov 16, 2012 05:00:00 PM MST  
 Reading: 1 to 103 of 103  
 Reading Rate: 30 Seconds  
 Last Calibration Date: Aug 28, 2012  
 Next Calibration Date: Aug 28, 2013  
 Next Calibration Date: Aug 28, 2013

**Wells Draw 15-32-8-16 SRT (11-16-2012)**

Unit Type (All Units)

Reading	DateTime (MST)	Channel 2 PSIA
1	Nov 16, 2012 08:30:00 AM	1594.8
2	Nov 16, 2012 08:35:00 AM	1594
3	Nov 16, 2012 08:40:00 AM	1592.8
4	Nov 16, 2012 08:45:00 AM	1592
5	Nov 16, 2012 08:50:01 AM	1591.2
6	Nov 16, 2012 08:55:00 AM	1590.4
7	Nov 16, 2012 09:00:01 AM	1589.8
8	Nov 16, 2012 09:05:00 AM	1610
9	Nov 16, 2012 09:10:01 AM	1616.8
10	Nov 16, 2012 09:15:00 AM	1621.2
11	Nov 16, 2012 09:20:00 AM	1625.4
12	Nov 16, 2012 09:25:00 AM	1627.4
13	Nov 16, 2012 09:30:00 AM	1630.4
14	Nov 16, 2012 09:35:01 AM	1633.2
15	Nov 16, 2012 09:40:00 AM	1635.4
16	Nov 16, 2012 09:45:01 AM	1639
17	Nov 16, 2012 09:50:00 AM	1639.6
18	Nov 16, 2012 09:55:01 AM	1641
19	Nov 16, 2012 10:00:00 AM	1644.8
20	Nov 16, 2012 10:05:00 AM	1668.6
21	Nov 16, 2012 10:10:00 AM	1677.4
22	Nov 16, 2012 10:15:00 AM	1681.6
23	Nov 16, 2012 10:20:01 AM	1686.6
24	Nov 16, 2012 10:25:00 AM	1692
25	Nov 16, 2012 10:30:01 AM	1696
26	Nov 16, 2012 10:35:00 AM	1698
27	Nov 16, 2012 10:40:01 AM	1702.8
28	Nov 16, 2012 10:45:00 AM	1706
29	Nov 16, 2012 10:50:00 AM	1707.2
30	Nov 16, 2012 10:55:00 AM	1709.6
31	Nov 16, 2012 11:00:00 AM	1712.6
32	Nov 16, 2012 11:05:01 AM	1743.4
33	Nov 16, 2012 11:10:00 AM	1751.4
34	Nov 16, 2012 11:15:01 AM	1760
35	Nov 16, 2012 11:20:00 AM	1763.6
36	Nov 16, 2012 11:25:01 AM	1768.8
37	Nov 16, 2012 11:30:00 AM	1773.2
38	Nov 16, 2012 11:35:00 AM	1779
39	Nov 16, 2012 11:40:00 AM	1785.6
40	Nov 16, 2012 11:45:00 AM	1785.8
41	Nov 16, 2012 11:50:01 AM	1789.8
42	Nov 16, 2012 11:55:00 AM	1797.4
43	Nov 16, 2012 12:00:01 PM	1798
44	Nov 16, 2012 12:05:00 PM	1821.8

**Wells Draw 15-32-8-16 SRT (11-16-2012)**

Unit Type Reading	(All Units) DateTime (MST)	Channel 2 PSIA
45	Nov 16, 2012 12:10:01 PM	1833.4
46	Nov 16, 2012 12:15:00 PM	1842.2
47	Nov 16, 2012 12:20:00 PM	1848.6
48	Nov 16, 2012 12:25:00 PM	1848.2
49	Nov 16, 2012 12:30:00 PM	1857
50	Nov 16, 2012 12:35:01 PM	1863.6
51	Nov 16, 2012 12:40:00 PM	1866.4
52	Nov 16, 2012 12:45:01 PM	1870.4
53	Nov 16, 2012 12:50:00 PM	1876
54	Nov 16, 2012 12:55:01 PM	1880
55	Nov 16, 2012 01:00:00 PM	1880.6
56	Nov 16, 2012 01:05:00 PM	1908.6
57	Nov 16, 2012 01:10:00 PM	1914.8
58	Nov 16, 2012 01:15:00 PM	1923.8
59	Nov 16, 2012 01:20:01 PM	1930.2
60	Nov 16, 2012 01:25:00 PM	1933
61	Nov 16, 2012 01:30:01 PM	1930.4
62	Nov 16, 2012 01:35:00 PM	1939.6
63	Nov 16, 2012 01:40:01 PM	1938.8
64	Nov 16, 2012 01:45:00 PM	1947
65	Nov 16, 2012 01:50:00 PM	1949.8
66	Nov 16, 2012 01:55:00 PM	1947.4
67	Nov 16, 2012 02:00:00 PM	1953.6
68	Nov 16, 2012 02:05:01 PM	1979
69	Nov 16, 2012 02:10:00 PM	1974.2
70	Nov 16, 2012 02:15:01 PM	1982.2
71	Nov 16, 2012 02:20:00 PM	1985.8
72	Nov 16, 2012 02:25:01 PM	1983.8
73	Nov 16, 2012 02:30:00 PM	1994.8
74	Nov 16, 2012 02:35:00 PM	1992.6
75	Nov 16, 2012 02:40:00 PM	2001.6
76	Nov 16, 2012 02:45:00 PM	1998.6
77	Nov 16, 2012 02:50:01 PM	2006.8
78	Nov 16, 2012 02:55:00 PM	2006.6
79	Nov 16, 2012 03:00:01 PM	2010.4
80	Nov 16, 2012 03:05:00 PM	2026
81	Nov 16, 2012 03:10:01 PM	2027
82	Nov 16, 2012 03:15:00 PM	2026
83	Nov 16, 2012 03:20:00 PM	2033.6
84	Nov 16, 2012 03:25:00 PM	2036.4
85	Nov 16, 2012 03:30:00 PM	2030.2
86	Nov 16, 2012 03:35:01 PM	2036.8
87	Nov 16, 2012 03:40:00 PM	2030.2
88	Nov 16, 2012 03:45:01 PM	2032.2
89	Nov 16, 2012 03:50:00 PM	2045.2
90	Nov 16, 2012 03:55:01 PM	2046.6
91	Nov 16, 2012 04:00:00 PM	2042.4
92	Nov 16, 2012 04:05:00 PM	2056.6
93	Nov 16, 2012 04:10:00 PM	2054.4
94	Nov 16, 2012 04:15:00 PM	2058.6
95	Nov 16, 2012 04:20:01 PM	2056
96	Nov 16, 2012 04:25:00 PM	2065.6
97	Nov 16, 2012 04:30:01 PM	2063.4
98	Nov 16, 2012 04:35:00 PM	2068.4
99	Nov 16, 2012 04:40:01 PM	2071.2
100	Nov 16, 2012 04:45:00 PM	2066
101	Nov 16, 2012 04:50:00 PM	2066
102	Nov 16, 2012 04:55:00 PM	2059.8

**Wells Draw 15-32-8-16 SRT (11-16-2012)**

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Unit Type (All Units)

Reading	DateTime (MST)	Channel 2 PSIA
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103	Nov 16, 2012 05:00:00 PM	2072.6
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End of Report

**Data Table Report**

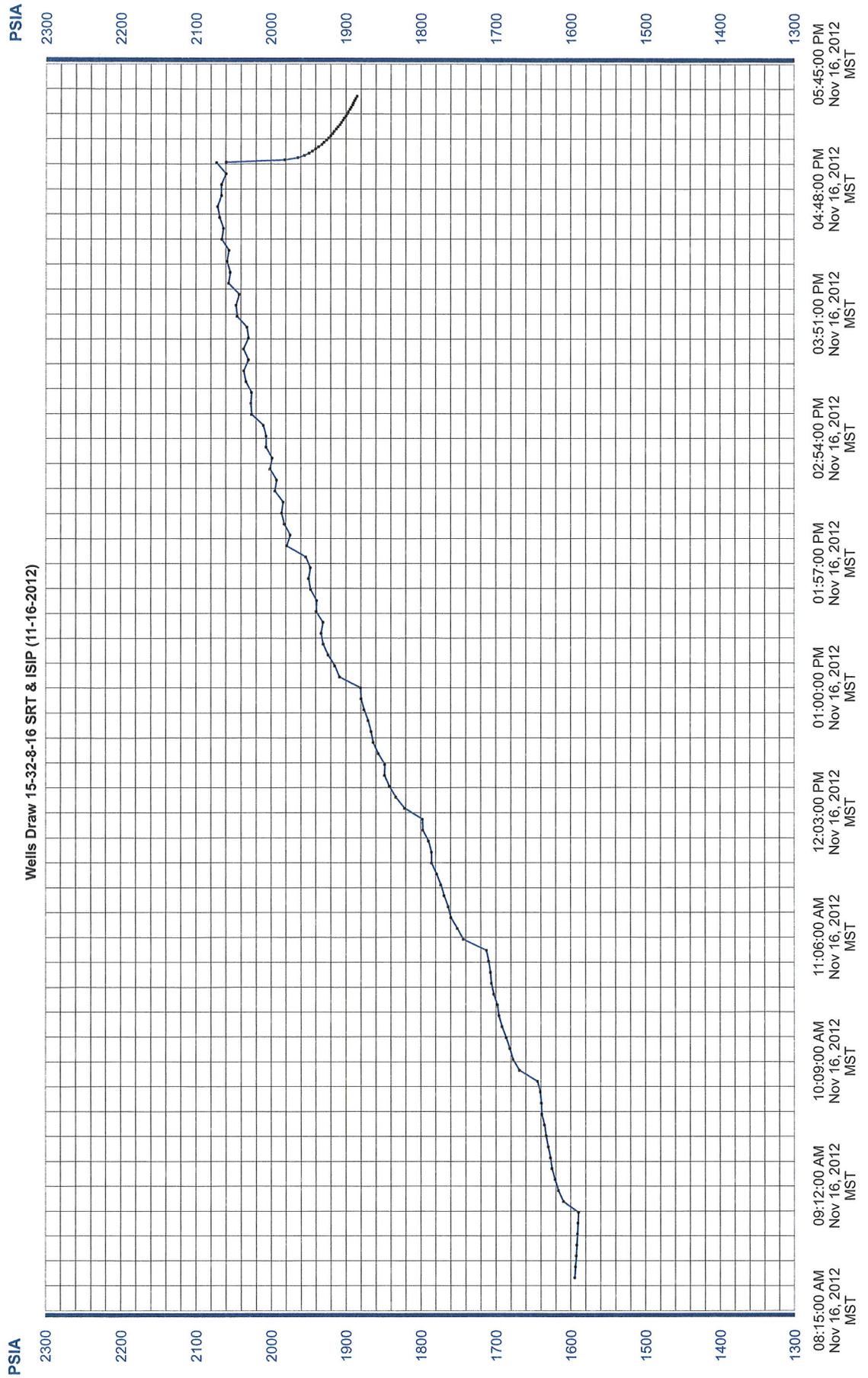
Report Name: PrTemp1000 Data Table  
 Report Date: 11/16/2012 18:29:14  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\  
 Wells Draw 15-32-8-16 ISIP (11-16-2012).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N87695  
 Device ID: PrTemp  
 Data Start Date: Nov 16, 2012 05:00:14 PM MST  
 Data End Date: Nov 16, 2012 05:30:14 PM MST  
 Reading: 1 to 31 of 31  
 Reading Rate: 30 Seconds  
 Last Calibration Date: Aug 28, 2012  
 Next Calibration Date: Aug 28, 2013  
 Next Calibration Date: Aug 28, 2013

**Wells Draw 15-32-8-16 ISIP (11-16-2012)**

Unit Type (All Units)

Reading	DateTime (MST)	Channel 2 PSIA
1	Nov 16, 2012 05:00:14 PM	2059.8
2	Nov 16, 2012 05:01:14 PM	1981.6
3	Nov 16, 2012 05:02:13 PM	1964
4	Nov 16, 2012 05:03:14 PM	1955.2
5	Nov 16, 2012 05:04:14 PM	1949
6	Nov 16, 2012 05:05:13 PM	1944.4
7	Nov 16, 2012 05:06:14 PM	1940
8	Nov 16, 2012 05:07:14 PM	1936.2
9	Nov 16, 2012 05:08:14 PM	1931.8
10	Nov 16, 2012 05:09:14 PM	1929.2
11	Nov 16, 2012 05:10:14 PM	1925.8
12	Nov 16, 2012 05:11:14 PM	1923
13	Nov 16, 2012 05:12:14 PM	1920.2
14	Nov 16, 2012 05:13:14 PM	1917.6
15	Nov 16, 2012 05:14:14 PM	1915.6
16	Nov 16, 2012 05:15:13 PM	1912.8
17	Nov 16, 2012 05:16:14 PM	1910.6
18	Nov 16, 2012 05:17:14 PM	1908
19	Nov 16, 2012 05:18:13 PM	1906.2
20	Nov 16, 2012 05:19:14 PM	1904
21	Nov 16, 2012 05:20:14 PM	1902.4
22	Nov 16, 2012 05:21:13 PM	1900
23	Nov 16, 2012 05:22:14 PM	1898.2
24	Nov 16, 2012 05:23:14 PM	1896.8
25	Nov 16, 2012 05:24:14 PM	1894.6
26	Nov 16, 2012 05:25:14 PM	1893
27	Nov 16, 2012 05:26:14 PM	1891.2
28	Nov 16, 2012 05:27:14 PM	1890
29	Nov 16, 2012 05:28:14 PM	1888.6
30	Nov 16, 2012 05:29:14 PM	1887.2
31	Nov 16, 2012 05:30:14 PM	1885.4

End of Report



Spud Date: 3/29/2000  
 Put on Production: 5/1/2000  
 Put on injection: 8/04/02  
 GL: 5755' KB: 5765'

## Wells Draw #15-32

INITIAL PRODUCTION: 51 BOPD, 210 MCFD,  
 4 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-5S  
 WEIGHT: 24#  
 LENGTH: 7 jts. (306.5')  
 DEPTH LANDED: 304.1'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt.

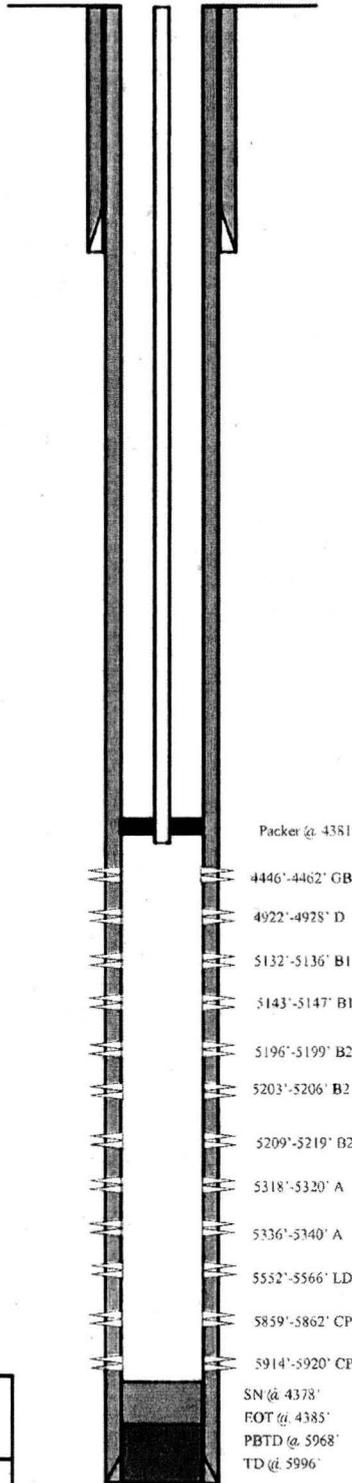
### PRODUCTION CASING

CSG SIZE: 4-1/2"  
 GRADE: J-5S  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6014.5')  
 DEPTH LANDED: 6002.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 NO. OF JOINTS: 136 jts. (4377.43')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4378.53' KB  
 PACKER: 4381.53' KB  
 TOTAL STRING LENGTH: EOT @ 4385.14'

### Injection Wellbore Diagram



### FRAC JOB

4/19/00	5859'-5920'	<b>Frac CP sand as follows:</b> 36,000# 20/40 sand in 271 bbls Deltafrac Treated @ avg press of 5344 psi w/avg rate of 12.2 BPM. ISIP 2430 psi.
4/20/00	5552'-5566'	<b>Frac LDC sand as follows:</b> 50,000# 20/40 sd in 283 bbls Deltafrac. Treated @ avg press of 5580 psi w/avg rate of 14.8 BPM before screening out w/7# sd on perfs. ISIP 1530 psi. Est 45,000# sd in perfs, 5,000# sd left in tbg.
4/21/00	5318'-5340'	<b>Frac A sand as follows:</b> 64,257# 20/40 sand in 332 bbls Viking I-25 fluid. Treated @ avg press of 2000 psi w/avg rate of 34 BPM. ISIP 1530 psi. Screened out with approx 38,257# sand in perfs and 5,000# sand left in csq.
4/22/00	4922'-5219'	<b>Frac D sand as follows:</b> 5,000# 20/40 sand in 332 bbls Deltafrac. Treated @ avg press of 5900 psi w/avg rate of 15 BPM. ISIP 2410 psi.
4/24/00	4446'-4462'	<b>Frac GB sand as follows:</b> 5,000# sand in 364 bbls Deltafrac fluid. RD HES. Bleed down frac thru 12.64" chok, est 1 BPM. ISIP 2100 psi.
7/29/02		Convert to injector.
07/03/07		Five year MIT

### PERFORATION RECORD

4/18/00	5914'-5920'	4 JSPF	24 holes
4/18/00	5859'-5862'	4 JSPF	12 holes
4/18/00	5552'-5566'	4 JSPF	56 holes
4/18/00	5336'-5340'	4 JSPF	16 holes
4/18/00	5318'-5320'	4 JSPF	8 holes
4/18/00	5209'-5219'	4 JSPF	40 holes
4/18/00	5206'-5206'	4 JSPF	12 holes
4/18/00	5196'-5199'	4 JSPF	12 holes
4/18/00	5143'-5147'	4 JSPF	16 holes
4/18/00	5132'-5136'	4 JSPF	16 holes
4/18/00	4922'-4928'	4 JSPF	24 holes
4/18/00	4446'-4462'	4 JSPF	64 holes

**NEWFIELD**

Wells Draw #15-32  
 1824 FEL & 738 FSL  
 SWSE Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31676; Lease #UTU-76787