



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

January 14, 2002

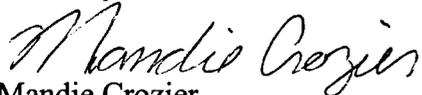
State of Utah  
Division of Oil, Gas & Mining  
Attn: Brad Hill  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 9-34-8-17 and 10-34-8-17.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

  
Mandie Crozier  
Permit Clerk

mc  
enclosures

**RECEIVED**

JAN 15 2002

DIVISION OF  
OIL, GAS AND MINING

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

001

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

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

1b. TYPE OF WELL  
**OIL WELL**  **GAS WELL**  **OTHER**   
**SINGLE ZONE**  **MULTIPLE ZONE**

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-76241**

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

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

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

7. UNIT AGREEMENT NAME  
**Greater Boundary**

8. FARM OR LEASE NAME WELL NO.  
**10-34-8-17**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At Surface **NW/SE 1918' FSL 1966' FEL** **4436022N**  
 At proposed Prod. Zone **586163E**

9. API WELL NO.

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**NW/SE Sec. 34, T8S, R17E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 18.1 miles southeast of Myton, Utah**

12. County  
**Duchesne**

13. STATE  
**UT**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to <b>Approx. 598' f/lease line &amp; 598' f/unit line</b> )	16. NO. OF ACRES IN LEASE <b>1,680.00</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1263'</b>	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5052.8' GR**

22. APPROX. DATE WORK WILL START\*  
**1st Quarter 2002**

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>				

**Inland Production Company proposes to drill this well in accordance with the attached exhibits.**

**The Conditions of Approval are also attached.**

**RECEIVED**

JAN 15 2002

DIVISION OF  
OIL, GAS AND MINING

*Federal Approval of this  
Action is Necessary*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data 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.

24. SIGNED *Manuel Cruz* TITLE **Permit Clerk** DATE 1/14/02

(This space for Federal or State office use)

PERMIT NO. 43-013-32332 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Bradley G. Hill* TITLE **BRADLEY G. HILL RECLAMATION SPECIALIST-III** DATE 01-23-02

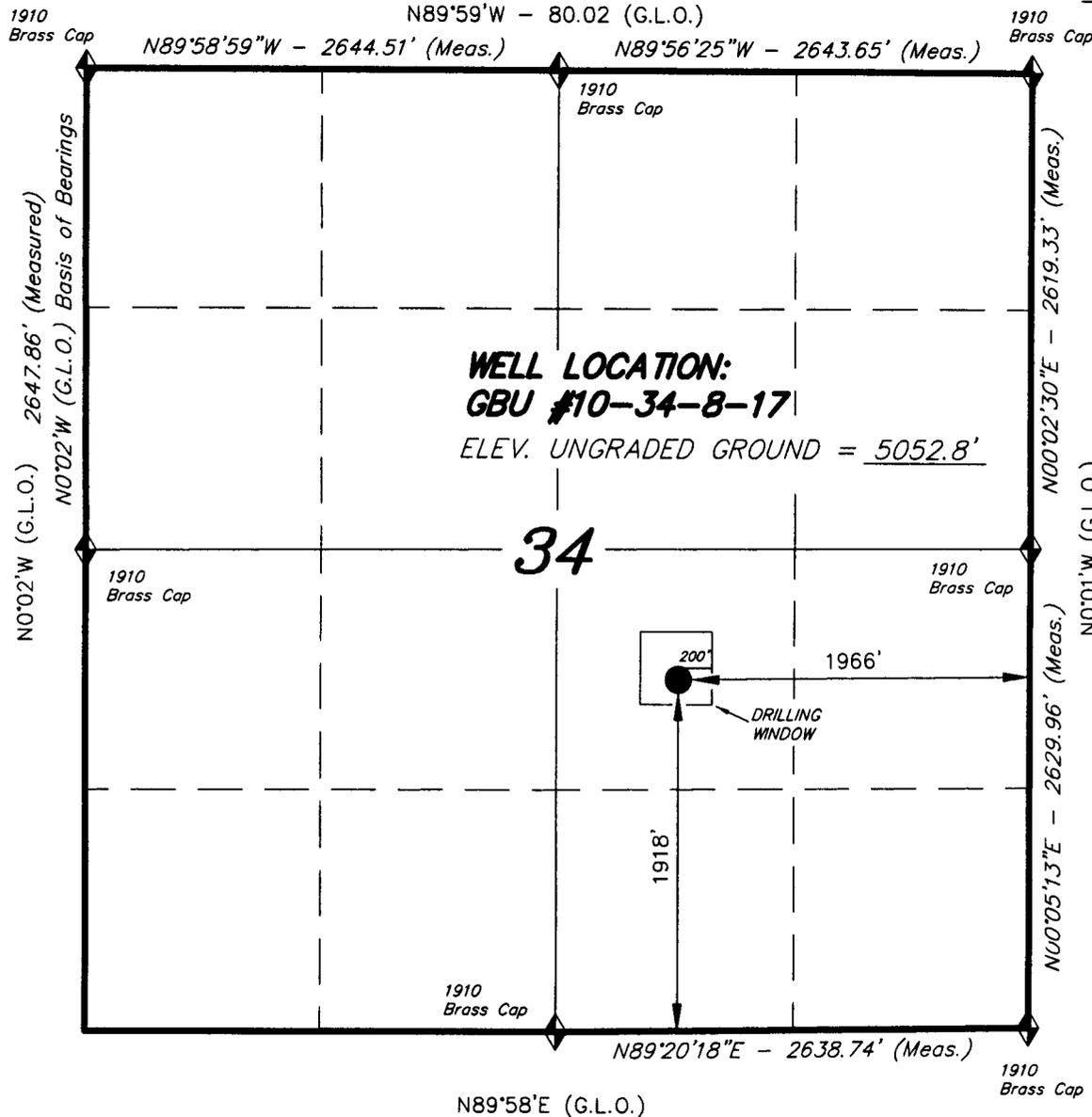
**\*See Instructions On Reverse Side**

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.

# T8S, R17E, S.L.B.&M.

## INLAND PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY UNIT #10-34-8-17, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 34, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

SCALE: 1" = 1000'	SURVEYED BY: K.G.S. D.J.S.
DATE: 11-5-01	DRAWN BY: J.R.S.
NOTES:	FILE #

Well No.: Greater Boundary 10-34-8-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Greater Boundary 10-34-8-17

API Number:

Lease Number: UTU-76241

Location: NW/SE Sec. 34, T8S R17E

**SURFACE USE PROGRAM**  
**CONDITIONS OF APPROVAL**

**CULTURAL RESOURCES**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**PALEONTOLOGICAL RESOURCES**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**WILDLIFE AND FISHERIES**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES**

**FERRUGINOUS HAWK:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and May 30. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**LOCATION AND RESERVE PIT RECLAMATION**

During construction of the reserve pit, a small amount of topsoil shall be stockpiled nearby, to be spread over the reserve pit area at the time the reserve pit is reclaimed.

The topsoil stockpile shall be reseeded immediately after site construction by broadcasting the seed, then walking the topsoil stockpile with the dozer to plant the seed.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Gardner saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Mat saltbush	<i>Atriplex corrugata</i>	4 lbs/acre
Indian ricegrass	<i>Oryzopsis hymenoides</i>	4 lbs/acre

The reserve pit shall be reclaimed immediately after drilling operations have ceased. The pit shall be reclaimed by: 1) removing all liquids and any oily debris according to Utah Division of Oil, Gas, & Mining pit closure rules; 2) perforating and folding the liner in place; 3) recontouring the surface; 4) broadcasting the seed over the recontoured surface; and 5) walking the surface of the pit with a dozer to plant the seed.

At the time of final abandonment, the location and access will be recontoured to natural topography and topsoil spread over the area and the surface seeded immediately.

### **PIPELINES**

Installation of a surface gas pipeline and/or any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the disturbance area associated with buried pipelines will be completed within 10 days after installation. The surface will be recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the reserve pit and well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

**INLAND PRODUCTION COMPANY  
GREATER BOUNDARY #10-34-8-17  
NW/SE SECTION 34, T8S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1640'
Green River	1640'
Wasatch	6500'

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

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

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

Please refer to the Monument Butte Field SOP. See Exhibit "C".

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

**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.

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

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
GREATER BOUNDARY #10-34-8-17  
NW/SE SECTION 34, T8S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Greater Boundary # 10-34-8-17 located in the NW 1/4 SE 1/4 Section 34, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 13.9 miles ± to its junction with an existing road to the northeast; proceed northeasterly approximately - 2.2 miles ± to its junction with an existing road to the northwest; proceed northwesterly approximately - 0.4 miles ± to its junction with the beginning of the proposed access road; proceed easterly along the proposed access road 775' ± to the proposed well location.

**2. PLANNED ACCESS ROAD**

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

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

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

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

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Paleontological Resource Survey and Archaeological Resource Survey for this area are attached.

Inland Production Company requests a 60' ROW for the Greater Boundary #10-34-8-17 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Inland Production Company also requests a 60' ROW be granted for the Greater Boundary #10-34-8-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

**Water Disposal**

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

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

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Mandie Crozier  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #10-34-8-17 NW/SE Section 34, Township 8S, Range 17E: Lease UTU-76241 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 #4488944.

I hereby certify that the proposed drillsite 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 Production Company and its contractors and

subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/14/02

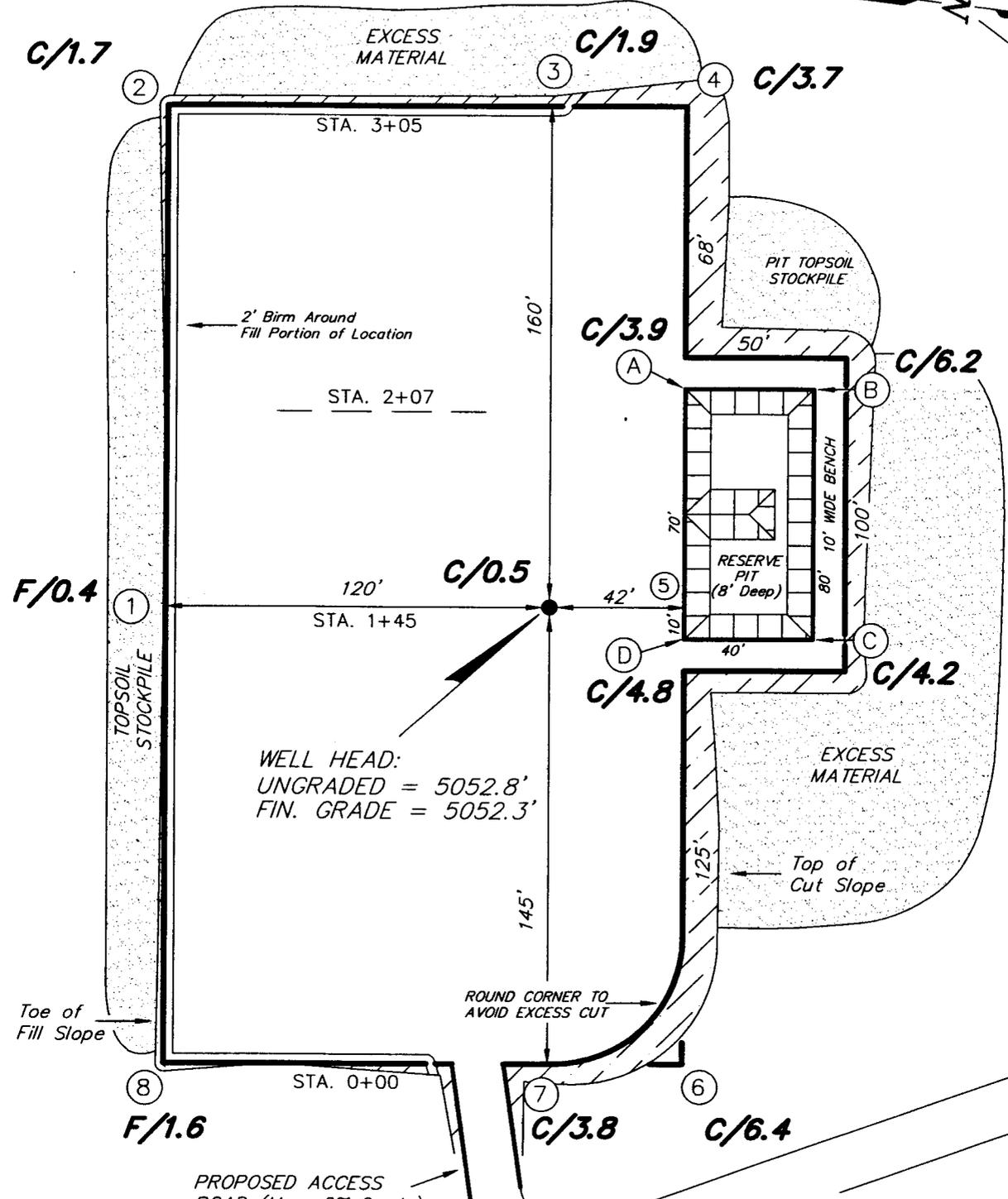
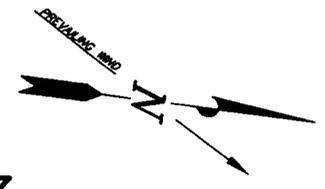
Date

Mandie Crozier

Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

GBU #10-34-8-17  
SEC. 34, T8S, R17E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5052.8'  
FIN. GRADE = 5052.3'

REFERENCE POINTS	
210' WEST	= 5055.3'
260' WEST	= 5060.3'
170' SOUTH	= 5052.7'
220' SOUTH	= 5052.6'

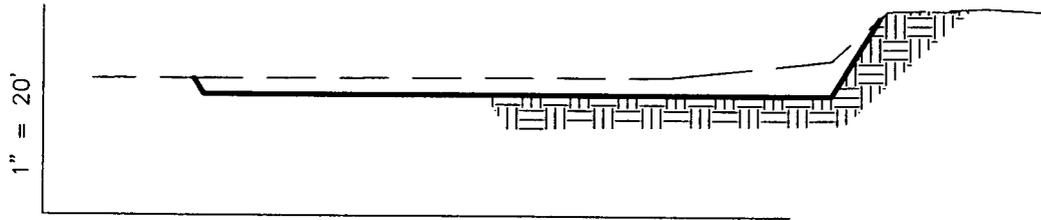
SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 11-5-01

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

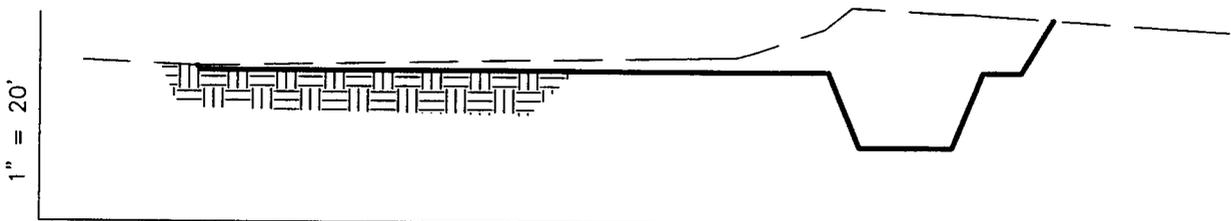
# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

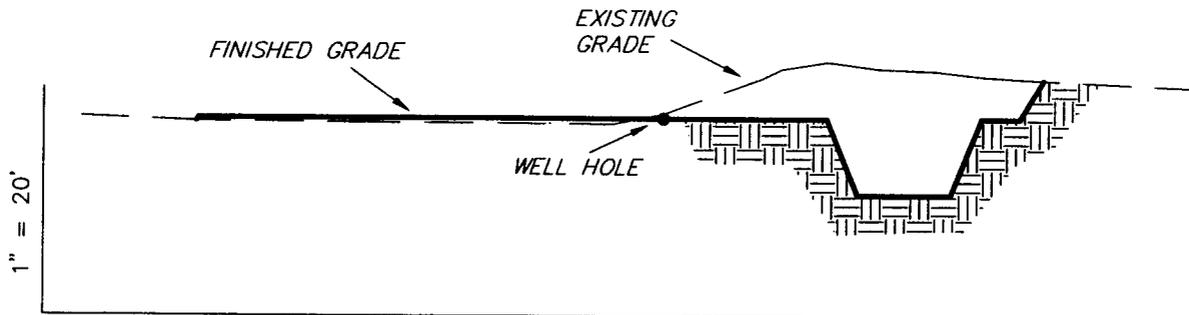
GBU #10-34-8-17



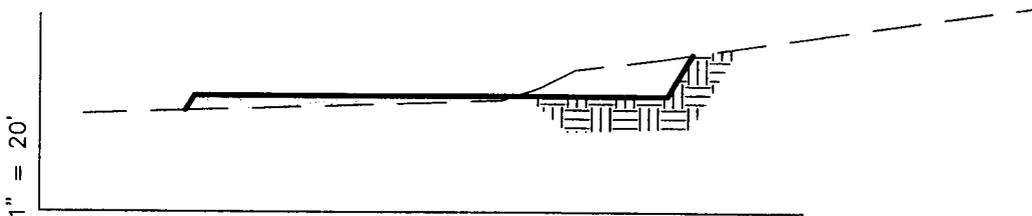
1" = 50' STA. 3+05



1" = 50' STA. 2+07



1" = 50' STA. 1+45



1" = 50' STA. 0+00

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

### ESTIMATED EARTHWORK QUANTITIES

(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,960	540	Topsoil is not included in Pad Cut	2,420
PIT	640	0		640
TOTALS	3,600	540	1,010	3,060

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 11-5-01

**Tri State**  
Land Surveying, Inc.

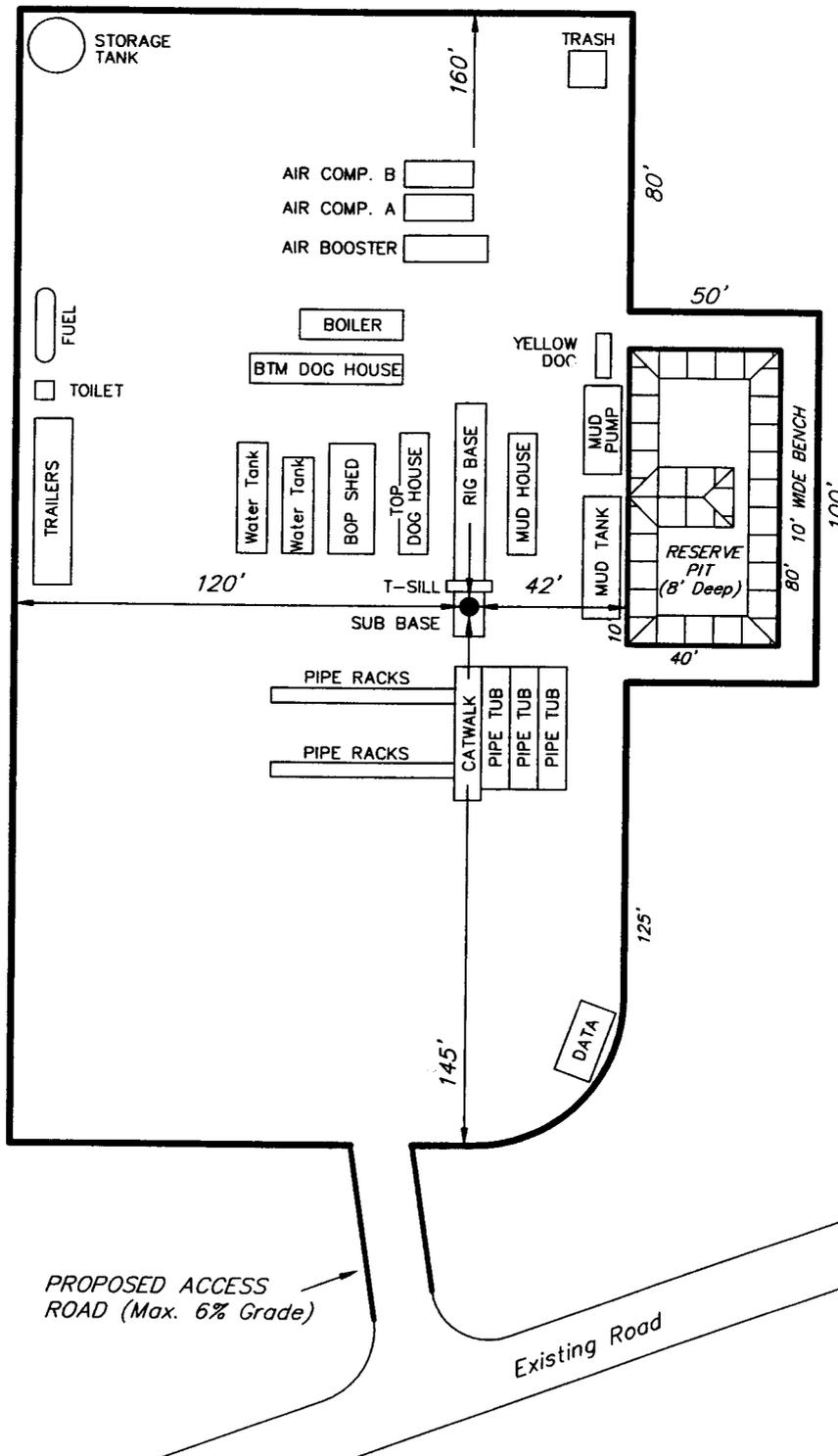
(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

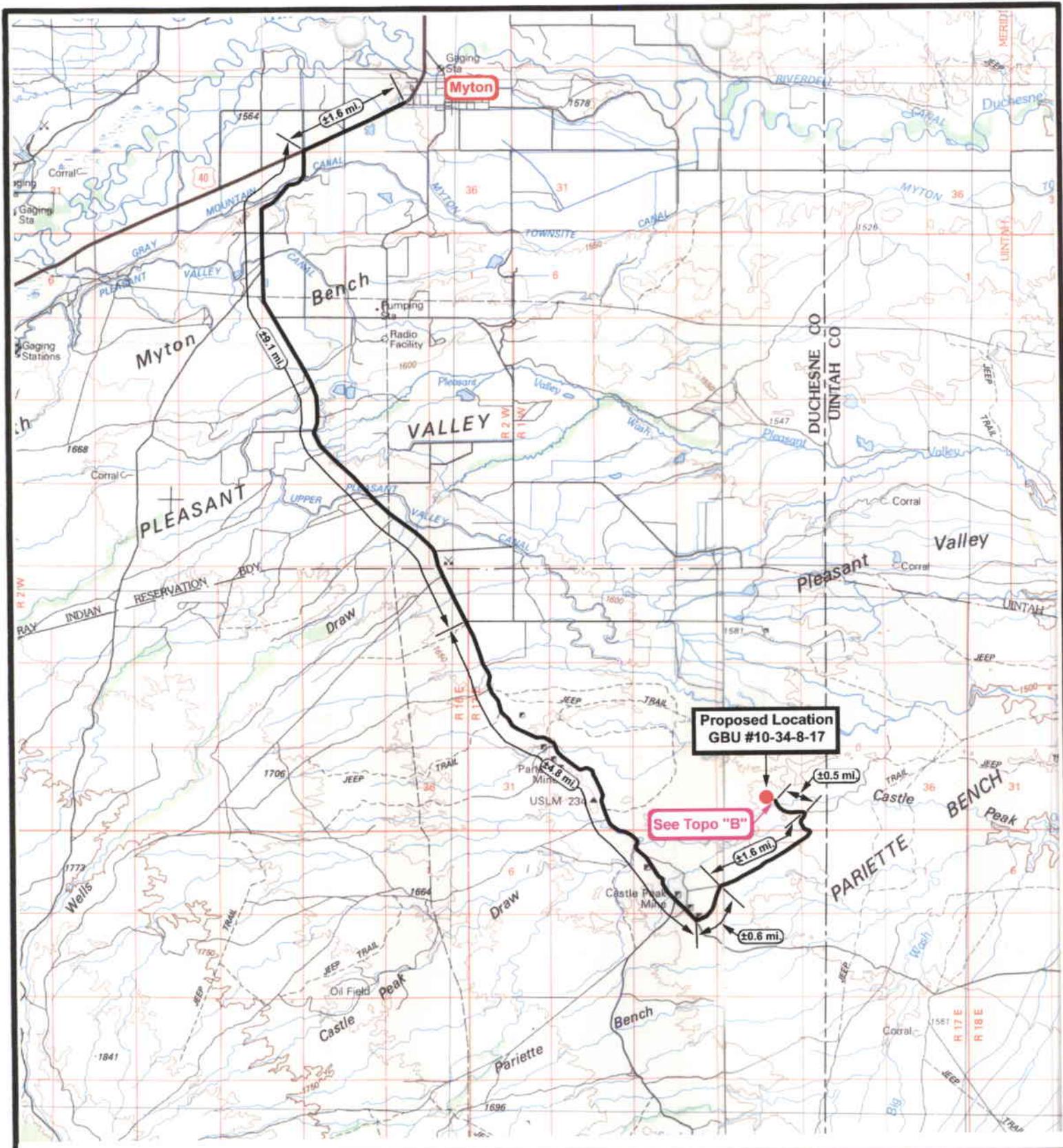
## TYPICAL RIG LAYOUT

GBU #10-34-8-17



SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 11-5-01

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



**Greater Boundary Unit #10-34-8-17  
SEC. 34, T8S, R17E, S.L.B.&M.**



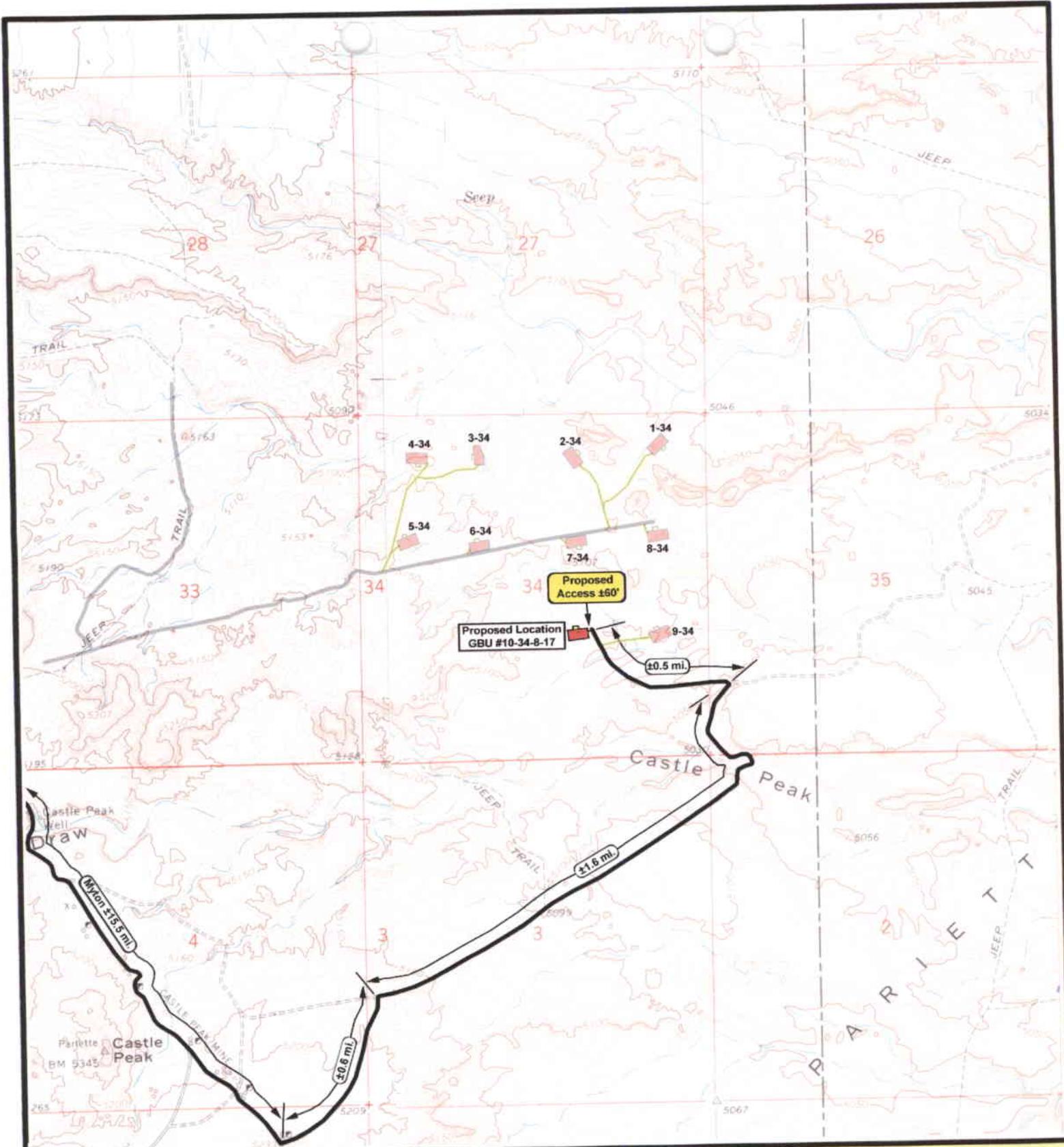
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1 : 100,000  
DRAWN BY: D.J.  
DATE: 11-06-2001

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**



**Greater Boundary Unit #10-34-8-17  
SEC. 34, T8S, R17E, S.L.B.&M.**



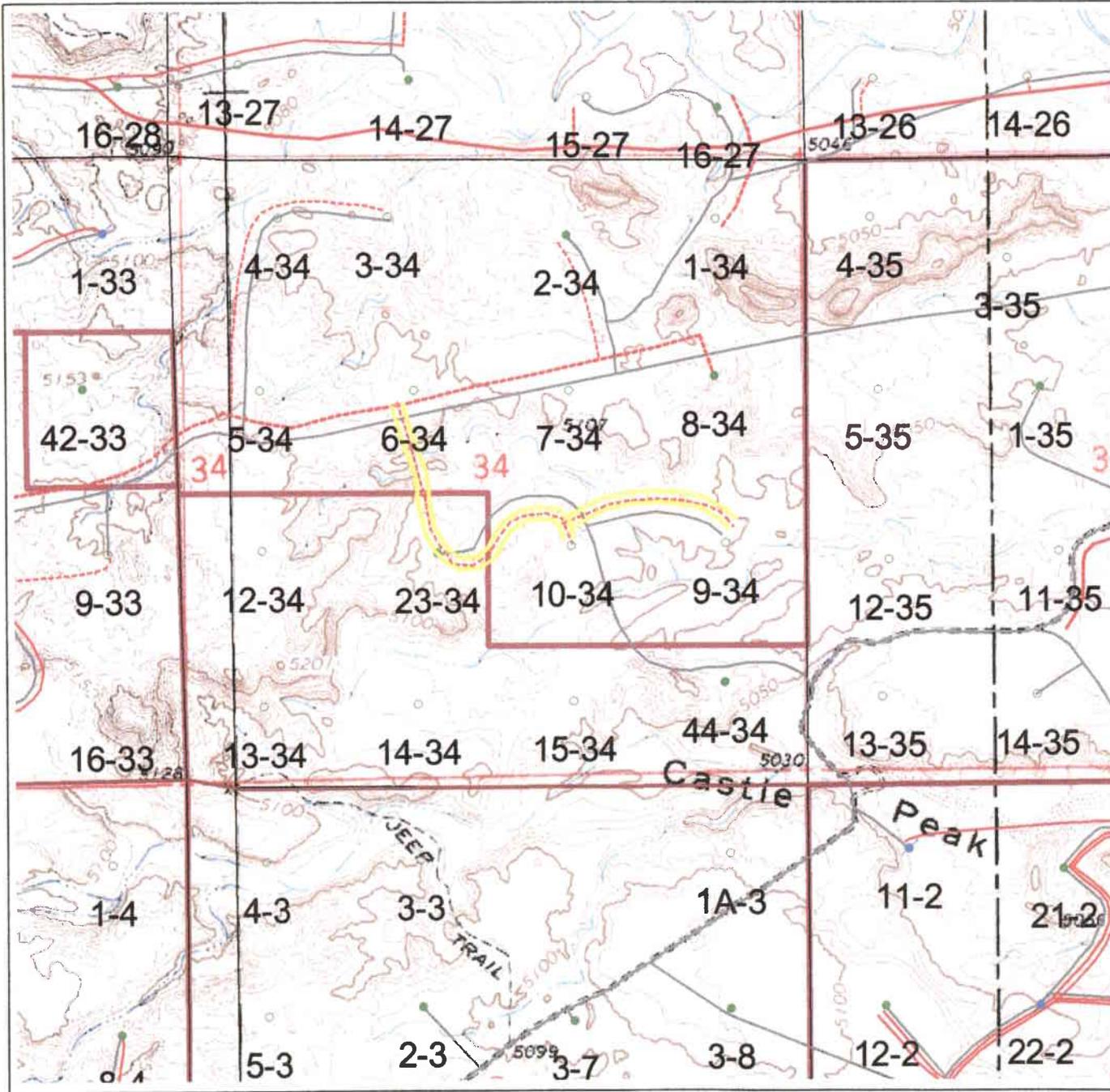
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: D.J.  
DATE: 11-06-2001

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**



- Gas Pipelines
- 10" (thick solid red line)
  - 6" (medium solid red line)
  - 6" proposed (dashed red line)
  - 4" (thin solid red line)
  - 4" proposed (dashed red line)
- Roads (Digitized)
- Paved (thick solid black line)
  - Dirt (thin solid black line)
  - Proposed (dashed black line)
  - Two Track (dotted black line)
  - Private (dashed black line)
- Unit Sections
- Existing Units (red outline)
  - Proposed Units (blue outline)

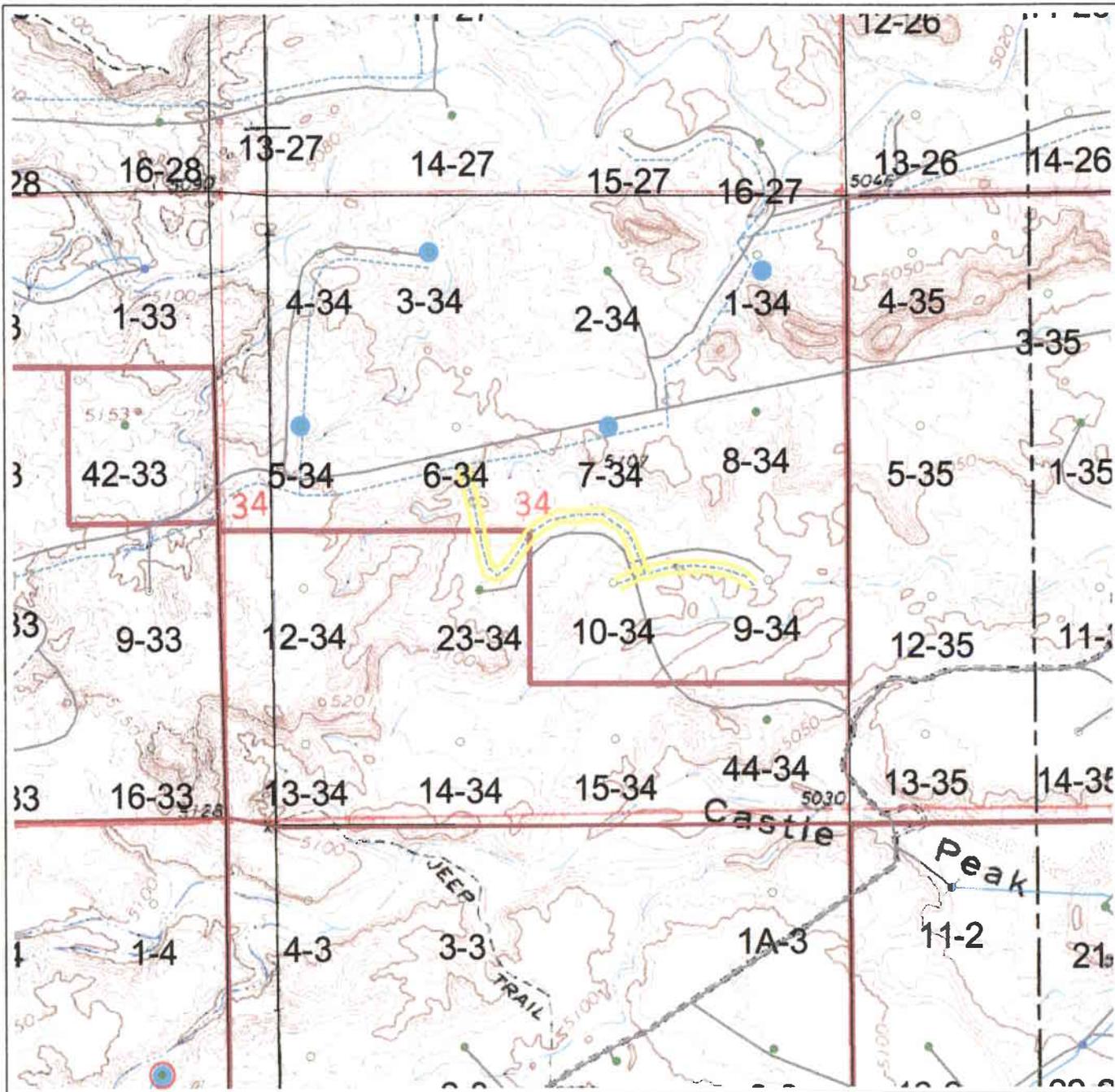


**Inland**  
 420 1<sup>st</sup> Street Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 895-8102

**Gas Pipeline Map**  
 UINTA BASIN, UTAH  
 Duchesne & Uintah Counties, Utah

D.C. Chaplin

January 11, 2002



- Water Taps
- Pending Waterline ROW
- Approved Waterline ROW
- Water Injection Permit Pending
- Approved Water Injection Permit
- Water 6 Inch
- Water 4 Inch
- Water 4 Inch - High Pressure
- Water 4 Inch Poly
- Water 2 to 3 Inch
- Proposed Water
- Injection Stations
- Pump Stations
- Roads (Digitized)**
  - Paved
  - Dirt
  - Proposed
  - Two Track
  - Private
  - Johnson Water Line
- Unit Sections**
  - Existing Units
  - Proposed Units



419 17<sup>th</sup> Street Suite 700  
Denver, Colorado 80202  
Phone: (303) 855-0102

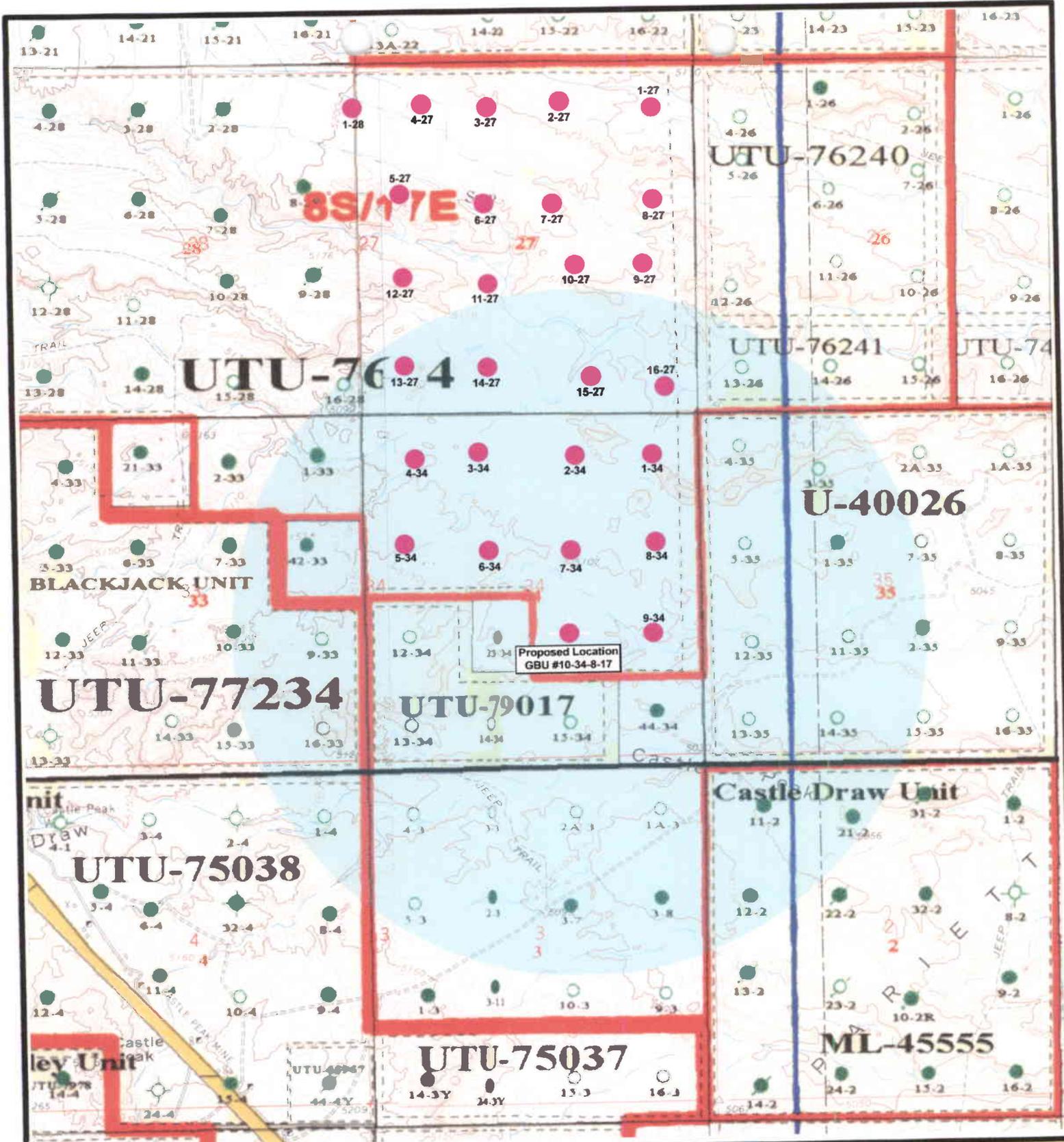
Water Pipeline Map

UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

D.C. Clark

January 11, 2002



**Greater Boundary Unit #10-34-8-17  
SEC. 34, T8S, R17E, S.L.B.&M.**



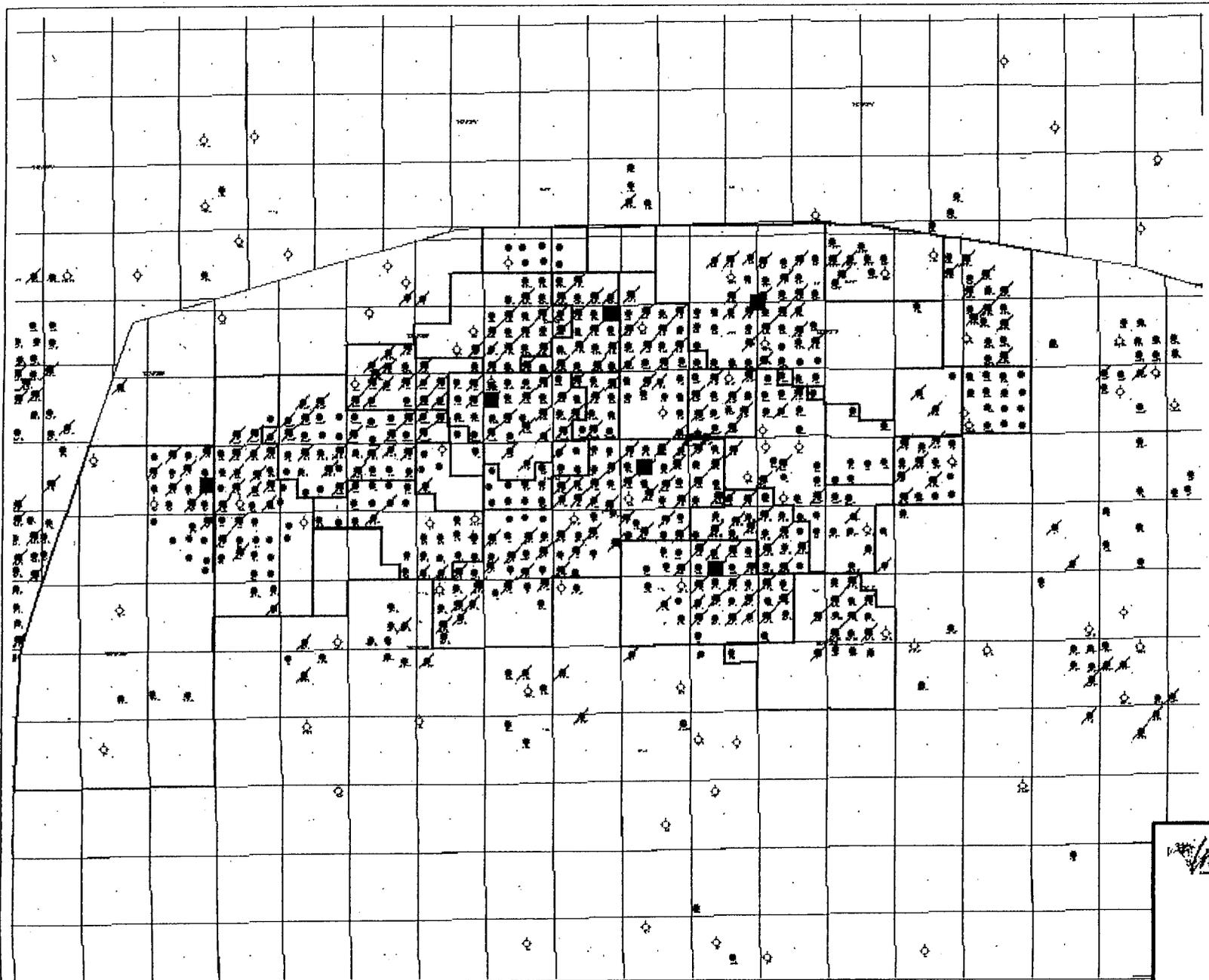
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: D.J.  
DATE: 11-06-2001

**Legend**

- Proposed Locations
- One Mile Radius

**Exhibit  
"B"**



- Section Blocks
- Well Categories
- ↙ INJ
- OIL
- ◇ DRY
- ↘ SHUTIN
- URB



Exhibit "A"

1 □ 1 Miles

*inland*  
ENERGY SERVICES

410 17th Street, Suite 700  
Broomfield, Colorado 80020  
Phone: 303.440.1022

**Uinta Basin**  
LINCOLN ENERGY, L.P.  
Boulder & Clinch Counties, CO

Scale 10,000 L. J. Cooper

RAM TYPE B.O.P.

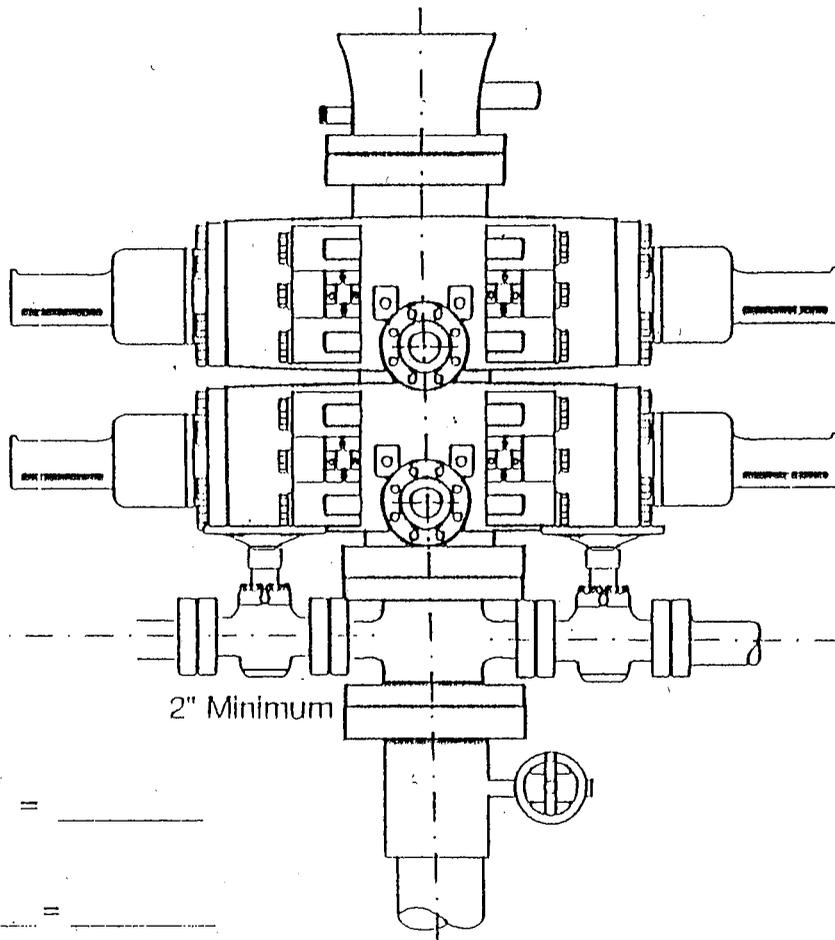
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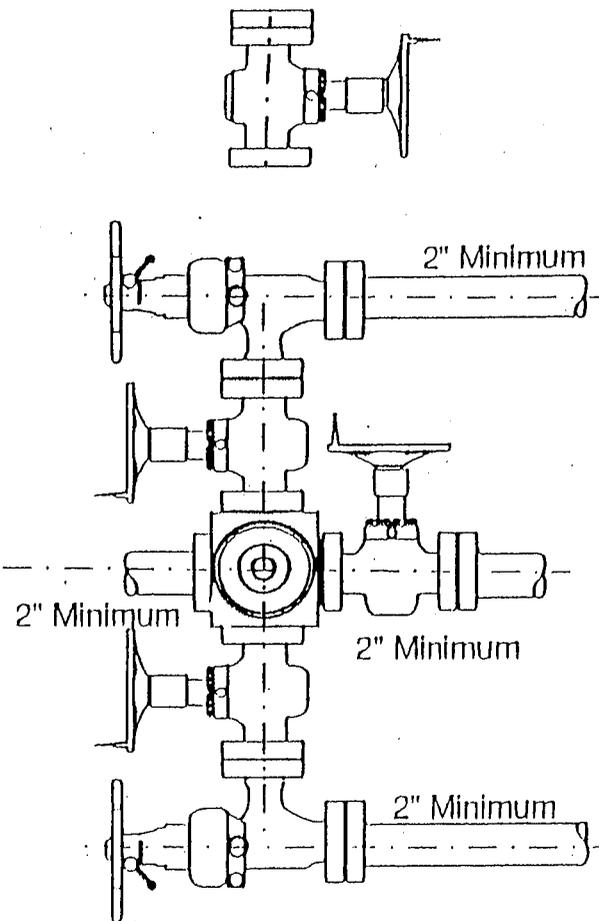
Model:

# 2-M SYSTEM

EXHIBIT "C"



2" Minimum



2" Minimum

2" Minimum

2" Minimum

2" Minimum

GAL 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)

002

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/15/2002

API NO. ASSIGNED: 43-013-32332

WELL NAME: GB 10-34-8-17  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSE 34 080S 170E  
SURFACE: 1918 FSL 1966 FEL  
BOTTOM: 1918 FSL 1966 FEL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-76241  
SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

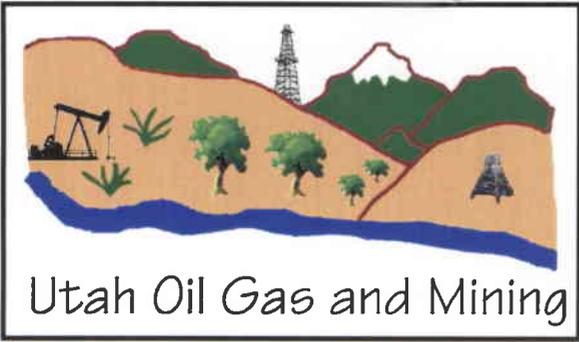
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

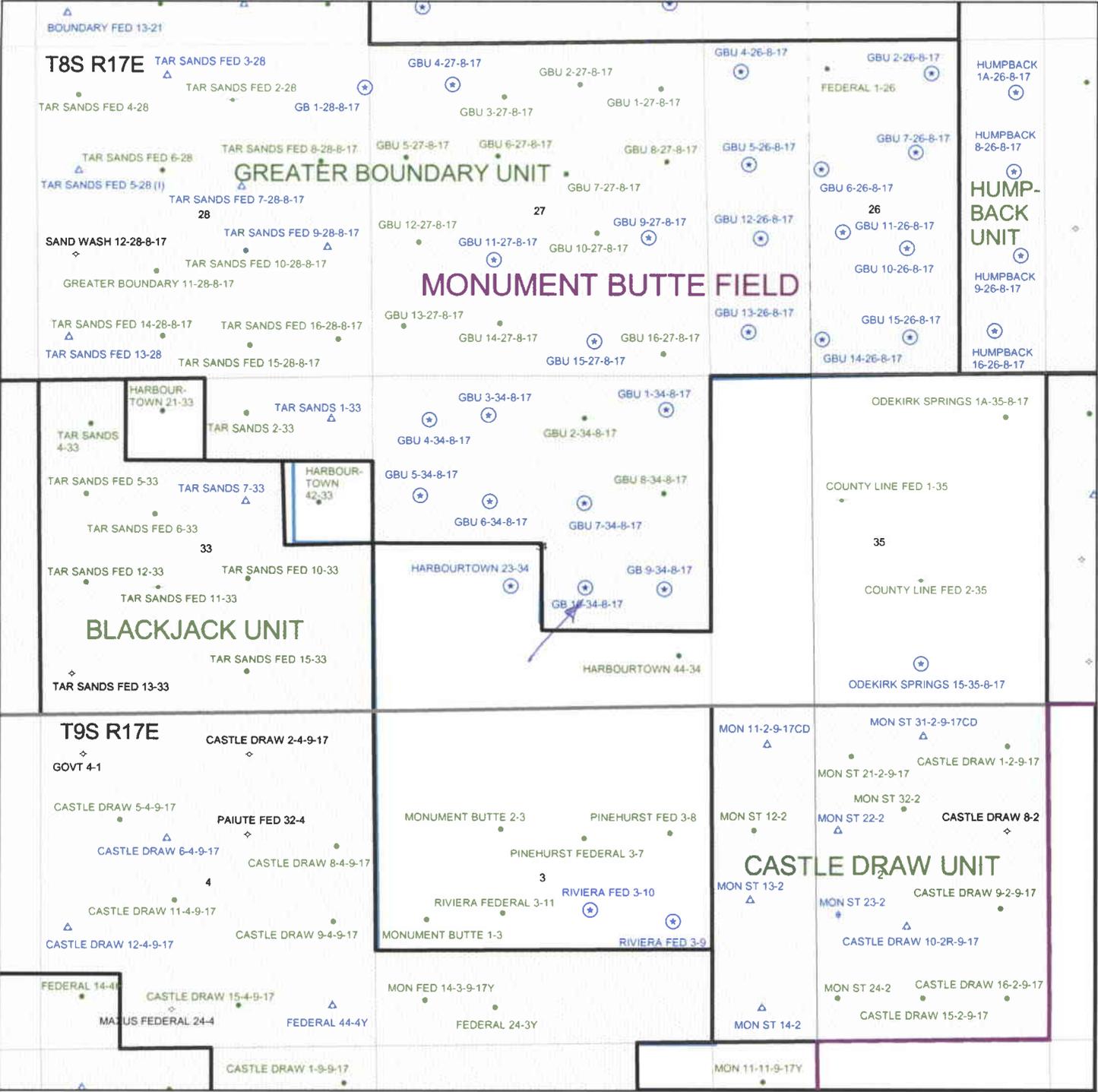
- R649-2-3. Unit GREATER BOUNDARY
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 225-2  
Eff Date: 4-8-98  
Siting: \*Suspend Gen Siting
- R649-3-11. Directional Drill

COMMENTS: Mon. Butte Field Sol, separate file.

STIPULATIONS: 1- Fed. Approval



OPERATOR: INLAND PROD CO (N5160)  
 SEC. 34, T8S, R17E  
 FIELD: MONUMENT BUTTE (105)  
 COUNTY: DUCHESNE UNIT: GREATER BOUNDARY  
 CAUSE: 225-2



# 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)

January 22, 2002

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2002 Plan of Development Greater Boundary  
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 2002 within the Greater Boundary Unit, Duchesne County, Utah.

(Proposed PZ Green River)

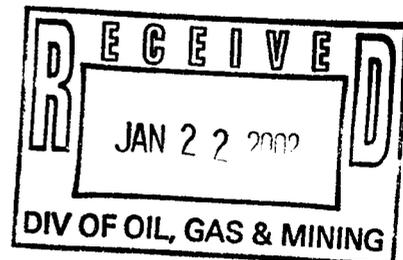
43-013-32331 GB 09-34-8-17 Sec. 34, T8S, R17E 1894 F&L 0727 FEL  
43-013-32332 GB 10-34-8-17 Sec. 34, T8S, R17E 1918 F&L 1966 FEL

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

/s/ Michael L. Coulthard

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

Mcoulthard:mc:1-22-02



003



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)

January 23, 2002

Inland Production Company  
Route 3 Box 3630  
Myton UT 84052

Re: Greater Boundary 10-34-8-17 Well, 1918' FSL, 1966' FEL, NW SE, Sec. 34, T. 8 South,  
R. 17 East, Duchesne County, Utah

Gentlemen:

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

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 43-013-32332.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

er

Enclosures

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

**Operator:** Inland Production Company  
**Well Name & Number** Greater Boundary 10-34-8-17  
**API Number:** 43-013-32332  
**Lease:** UTU-76241

**Location:** NW SE      **Sec.** 34      **T.** 8 South      **R.** 17 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

005

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

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-76241

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

GREATER BOUNDARY 10-34-8-17

9. API Well No.

43-013-32332

10. Field and Pool, or Exploratory Area

11. County or Parish, State

DUCHESNE COUNTY, UTA

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

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

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

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

1918 FSL 1966 FEL NW/SE Section 34, T8S R17E

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"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

<input type="checkbox"/> Abandonment
<input type="checkbox"/> Recompletion
<input type="checkbox"/> Plugging Back
<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Altering Casing
<input checked="" type="checkbox"/> Other <b>Permit Extension</b>

<input type="checkbox"/> Change of Plans
<input type="checkbox"/> New Construction
<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> 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.)\*

Inland Production Company requests to extend the permit to drill this well for one year.

RECEIVED

DEC 31 2002

DIV. OF OIL, GAS & MINING

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 01-06-03  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 01-08-03  
Initials: CHD

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

Signed Mandie Crozier Title Permit Clerk Date 12/30/02

CC: UTAH DOGM

(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.

006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-76241**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

1a. TYPE OF WORK **DRILL**  **DEEPEN**   
1b. TYPE OF WELL  
OIL WELL  GAS WELL  SINGLE ZONE  MULTIPLE ZONE  OTHER

7. UNIT AGREEMENT NAME  
**Greater Boundary**  
8. FARM OR LEASE NAME WELL NO  
**10-34-8-17**  
9. API WELL NO.

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

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

3. ADDRESS OF OPERATOR  
**Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721**  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At Surface **NW/SE 1918' FSL 1966' FEL**  
At proposed Prod. Zone

11. SEC., T., R., M. OR BLK.  
AND SURVEY OR AREA  
**NW/SE  
Sec. 34, T8S, R17E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 18.1 miles southeast of Myton, Utah**

12. County  
**Duchesne** 13. STATE  
**UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to  
**Approx. 598' f/lease line & 598' f/unit line**

16. NO. OF ACRES IN LEASE  
**1,680.00**

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.  
**Approx. 1263'**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5052.8' GR**

22. APPROX. DATE WORK WILL START\*  
**1st Quarter 2002**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

RECEIVED  
MAR 11 2003  
DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data 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.

24. SIGNED *Harold Crozier* TITLE Permit Clerk DATE 1/14/02

(This space for Federal or State office use)

**NOTICE OF APPROVAL** APPROVAL DATE **CONDITIONS OF APPROVAL ATTACHED**

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Howard B. Leavitt* Assistant Field Manager  
Mineral Resources DATE 03/05/2003

\*See Instructions On Reverse Side

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.



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company.

Well Name & Number: GB 10-34-8-17

Lease Number: U-76241

API Number: 43-013-32332

Location: NWSE Sec. 34 T. 8S R. 17E

Agreement: Greater Boundary (GR) SR

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease that would entitle the applicant to conduct operations therein.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

The proposed location is approximately ½ mile southwest of the projected trend the April Gilsonite vein. If encountered during drilling operations, the Gilsonite could cause severe drilling difficulties. The area also contains several east-west trending normal faults that are associated with the Duchesne fault zone.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PLAN.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

004

**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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1918 FSL 1966 FEL      NW/SE Section 34, T8S R17E**

5. Lease Designation and Serial No.

**UTU-76241**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**GREATER BOUNDARY**

8. Well Name and No.

**GREATER BOUNDARY 10-34-8-17**

9. API Well No.

**43-013-32332**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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 **Permit Extension**

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.)\*

Inland Production Company requests to extend the Permit to Drill this well for one year.

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

Date: 01-06-04  
By: [Signature]

**COPY SENT TO OPERATOR**  
Date: 1-8-04  
Initials: CTD

**JAN 05 2004**

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

Signed Mandie Crozier Title Regulatory Specialist Date 1/2/2004

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

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

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

**API:** 43-013-32332  
**Well Name:** Greater Boundary 10-34-8-17  
**Location:** NW/SE Section 34, T8S R17E  
**Company Permit Issued to:** Inland Production Company  
**Date Original Permit Issued:** 1/23/2002

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

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

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

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

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

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

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

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

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

Mandi Cozier  
Signature

1/2/2004  
Date

Title: Regulatory Specialist

Representing: Inland Production Company

JAN 05 2004



January 2, 2004

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

RE: One Year Extensions on Applications for Permit to Drill

Dear Diana:

Enclosed find one year extensions on Applications for Permit to Drill. We have already received a one year extension on these APD's and would like to extend it them for another year, since the approval that we have received from the BLM is not yet due to expire. If you have any questions, feel free to give me a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

enclosures

JAN 05 2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

007

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.

UTU-76241

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

GREATER BOUNDARY 10-34-8-17

9. API Well No.

43-013-32332

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

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

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

1918 FSL 1966 FEL    NW/SE Section 34, T8S R17E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Permit Extension

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.)\*

Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/5/03 (expiration 3/5/04).

RECEIVED

APR 06 2004

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

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

Signed

Mandie Crozier  
Mandie Crozier

Title

Regulatory Specialist

Date

3/2/2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Kirk Johnson

Title

Petroleum Engineer

Date

3/30/04

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.

Inland Production Company  
APD Extension

Well: GB 10-34-8-17

Location: NWSE Sec. 34, T8S, R17E

Lease: U-76241

**CONDITIONS OF APPROVAL**

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

---

1. The extension will expire 3/4/05
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood of this office at (435) 781-4486

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: INLAND PRODUCTON COMPANY

Well Name: GB 10-34-8-17

Api No: 43-013-32332 Lease Type: FEDERAL

Section 34 Township 08S Range 17E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 15

**SPUDDED:**

Date 05/14/04

Time \_\_\_\_\_

How DRY

**Drilling will commence:** \_\_\_\_\_

Reported by FLOYD MITCHELL

Telephone # 1-435-823-3610

Date 05/18/2004 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

009

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

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

5. Lease Designation and Serial No.  
**UTU-76241**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**GREATER BOUNDARY**

8. Well Name and No.  
**GREATER BOUNDARY 10-34-8-17**

9. API Well No.  
**43-013-32332**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT**

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1918 FSL 1966 FEL NW/SE Section 34, T8S R17E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Spud Notice</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 5-14-04. MIRU Ross # 15. Drill 307' of 12 1/4" hole with air mist. TIH W/ 7 It's 8 5/8" J-55 24 # csgn. Set @ 314' KB. On 5-16-04. Cement with 150 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

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

Signed

Pat Wisener  
Pat Wisener

Title

Drilling Foreman

Date

5/16/2004

CC: UTAH DOGM

(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.

MAY 18 2004  
DIV OF OIL, GAS & MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 314.29

LAST CASING 8 5/8" SET AT 314'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 307 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL Greater Boundry Fed 10-34-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 15

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		42' SH jt						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.44	
		<b>GUIDE</b> shoe			8rd	A	0.9	
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING			304.29
TOTAL LENGTH OF STRING			304.29	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS			1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT			0		CASING SET DEPTH			<b>314.29</b>
TOTAL			302.44	7				
TOTAL CSG. DEL. (W/O THRDS)			302.44	7	} COMPARE			
TIMING			1ST STAGE					
BEGIN RUN CSG. Spud			5/14/2004	9:00am	GOOD CIRC THRU JOB			YES
CSG. IN HOLE					Bbls CMT CIRC TO SURFACE			4 bbls cement to pit
BEGIN CIRC					RECIPROCATED PIPE I N/A			
BEGIN PUMP CMT					DID BACK PRES. VALVE HOLD ?			N/A
BEGIN DSPL. CMT					BUMPED PLUG TO			130 PSI
PLUG DOWN			Cemented	5/16/2004				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	150	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Pat Wisener DATE 5/16/2004

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

OPERATOR: INLAND PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84852

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	12391	43-013-32332	Greater Boundary 10-34-8-17	NWSE	34	8S	17E	Duchesne	May 14, 2004	
WELL 1 COMMENTS: <i>GRRV</i>											
B	99999	12053	43-047-34886	Humpback 7-24-8-17	SWNE	24	8S	17E	Duchesne	May 18, 2004	
WELL 2 COMMENTS: <i>GRRV</i>											
B	99999	12053	43-047-34885	Humpback 8-24-8-17	SENE	24	8S	17E	Duchesne	May 20, 2004	
WELL 3 COMMENTS: <i>GRRV</i>											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

K  
K  
MAY 24 2004

- 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 comment section)

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

*Kebbie S. Jones*  
 Signature  
 Production Clerk  
 Title  
 May 24, 2004  
 Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**011 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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1918 FSL 1966 FEL NW/SE Section 34, T8S R17E**

5. Lease Designation and Serial No.

**UTU-76241**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**GREATER BOUNDARY**

8. Well Name and No.

**GREATER BOUNDARY 10-34-8-17**

9. API Well No.

**43-013-32332**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Weekly Status Report</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)\*

On 5-18-04 MIRU Eagle # 1. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 6130'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 143 Jt's 51/2" J-55 15.5# csgn. Set @ 6118' KB. Cement with 300 sks Prem Lite II w/ 3% KCL, 8 % Gel, 5#"s sk CSE, 3#"s sk Kolseal, .8% Sms, 1/2# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 400 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/2# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Returned 26 bbls cement to pit. Nipple down BOP's. Drop slips @ 90,000 # 's tension. Clean pit's & release rig on 5-24-04

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

Signed Pat Wisener Title Drilling Foreman Date 5/24/2004  
Pat Wisener

CC: UTAH DOGM

(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.

**RECEIVED**

**MAY 26 2004**

DIV. OF OIL, GAS & MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6118.34

LAST CASING 8 5/8" SET AT 314'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6130' LOGGER 6121'  
 HOLE SIZE 7 7/8"

Fit cllr @ 6095'  
 OPERATOR Inland Production Company  
 WELL Greater Boundary 10-34-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Eagle # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		5.85' @ 4074'					
142	5 1/2"	IPS LT & C casing	15.5#	J-55	8rd	A	6083.54
		Float collar					0.6
1	5 1/2"	IPS LT&C csg	15.5#	J-55	8rd	A	21.55
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6120.34
TOTAL LENGTH OF STRING		6120.34	143	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT				CASING SET DEPTH			<b>6118.34</b>
TOTAL		<b>6105.09</b>	143	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6513.78	143				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		9:30am		GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		12:30pm		Bbls CMT CIRC TO SURFACE			26
BEGIN CIRC		12:30pam	1:24pam	RECIPROCATED PIPE I N/A			THRUSTROKE
BEGIN PUMP CMT		1:41pm	2:10pm	DID BACK PRES. VALVE HOLD ?			Yes
BEGIN DSPL. CMT		2:43pm		BUMPED PLUG TO			1950 PSI
PLUG DOWN		2:58pm					
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							<b>RECEIVED</b>  <b>MAY 26 2004</b>

DIV. OF OIL, GAS & MINING

COMPANY REPRESENTATIVE Pat Wisener

DATE 5/24/2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

012

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

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Inland Production Company

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

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1918 FSL 1966 FEL  
NW/SE Section 34 T8S R17E

5. Lease Serial No.

UTU76241

6. If Indian, Allottee or Tribe Name.

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

GREATER BOUNDARY

8. Well Name and No.

GREATER BOUNDARY 10-34-8-17

9. API Well No.

4301332332

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

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

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

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

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

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

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

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

6/30/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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

Title

Date

Office

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

(Instructions on reverse)

**RECEIVED**

**JUL 01 2004**

**DIV. OF OIL, GAS & MINING**

# Inland Resources Inc.

---

July 13, 2004

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

Attn: Ms. Carol Daniels

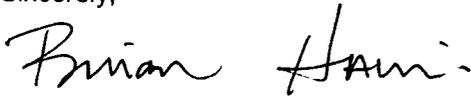
Greater Boundary 10-34-8-17 (43-013-32332)  
Duchesne County, Utah

Dear Ms. Carol Daniels

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

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

Sincerely,



Brian Harris  
Engineering Tech

Enclosures

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

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver  
Matt Richmond/Roosevelt

RECEIVED  
JUL 16 2004  
DIV. OF OIL, GAS & MINING

---

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

5. LEASE DESIGNATION AND SERIAL NO. **UTU-76241**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME **NA**

7. UNIT AGREEMENT NAME **Greater Boundary Unit**

8. FARM OR LEASE NAME, WELL NO. **Greater Boundary 10-34-8-17**

9. WELL NO. **43-013-~~32232~~ 32332**

10. FIELD AND POOL OR WILDCAT **Monument Butte**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA **Sec. 34, T8S, R17E**

12. COUNTY OR PARISH **Duchesne**

13. STATE **UT**

14. API NO. **43-013-32232** DATE ISSUED **1/23/2002**

15. DATE SPUDDED **5/14/2004** 16. DATE T.D. REACHED **5/23/2004** 17. DATE COMPL. (Ready to prod.) **6/9/2004** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5053' GL 5065' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6130'** 21. PLUG BACK T.D., MD & TVD **6097'** 22. IF MULTIPLE COMPL., HOW MANY\* **----->** 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* **Green River 4412'-5973'** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **DIGL/GR, CD/CN/GR, CBL/GR/CL** 27. WAS WELL CORED **No**

1a. TYPE OF WORK OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR **INLAND RESOURCES INC.**

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

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. \*)  
At Surface **1918' FSL & 1966' FEL (NW SE) Sec. 34, T8S, R17E**  
At top prod. Interval reported below

At total depth

15. DATE SPUDDED **5/14/2004** 16. DATE T.D. REACHED **5/23/2004** 17. DATE COMPL. (Ready to prod.) **6/9/2004** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5053' GL 5065' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6130'** 21. PLUG BACK T.D., MD & TVD **6097'** 22. IF MULTIPLE COMPL., HOW MANY\* **----->** 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* **Green River 4412'-5973'** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **DIGL/GR, CD/CN/GR, CBL/GR/CL** 27. WAS WELL CORED **No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	314'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6118'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5985'	TA @ 5887'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4,5) 5896-5902', 5964-73'	.41"	4/60	5896'-5964'	Frac w/ 39,538# 20/40 sand in 393 bbls fluid.
(CP1,2) 5673-83', 5698-5704', 5736-42'	.41"	4/88	5673'-5742'	Frac w/ 89,732# 20/40 sand in 669 bbls fluid.
(A3) 5293'-5300'	.41"	4/28	5293'-5300'	Frac w/ 24,586# 20/40 sand in 287 bbls fluid.
(B2) 5143'-5153	.41"	4/40	5143'-5153'	Frac w/ 49,442# 20/40 sand in 425 bbls fluid.
(B.5) 5072'-5076'	.41"	4/16	5072'-5076'	Left un-fraced
(PB7) 4412'-4430'	.41"	4/72	4412'-4430'	Frac w/ 34,096# 20/40 sand in 336 bbls fluid.

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

33.\* PRODUCTION

DATE FIRST PRODUCTION **6/9/2004** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST **10 day ave** HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD **----->** OIL--BBL. **79** GAS--MCF. **64** WATER--BBL. **10** GAS-OIL RATIO **810**

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

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

35. LIST OF ATTACHMENTS

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

SIGNED Brian Harris TITLE Engineering Technician DATE 1/13/2004

RECEIVED  
JUL 16 2004

DIV. OF OIL, GAS & MINING

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				MEAS. DEPTH	TRUE VERT. DEPTH	
			<b>Well Name</b> <b>Greater Boundary 10-34-8-17</b>			
				Garden Gulch Mkr	3836'	
				Garden Gulch 1	4016'	
				Garden Gulch 2	4132'	
				Point 3 Mkr	4388'	
				X Mkr	4632'	
				Y-Mkr	4665'	
				Douglas Creek Mkr	4801'	
				BiCarbonate Mkr	5040'	
				B Limestone Mkr	5185'	
				Castle Peak	5616'	
			Basal Carbonate	6040'		
			Total Depth (LOGGERS)	6130'		



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**014**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

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

**CA No.**

**Unit:**

**GREATER BOUNDARY (GR)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
GBU 4-26-8-17	26	080S	170E	4301332289	12391	Federal	OW	P	
GBU 5-26-8-17	26	080S	170E	4301332290	12391	Federal	WI	A	
GBU 12-26-8-17	26	080S	170E	4301332306	12391	Federal	OW	P	
GBU 13-26-8-17	26	080S	170E	4301332307		Federal	OW	APD	
FEDERAL 1-26	26	080S	170E	4304731953	12391	Federal	WI	A	
GBU 15-27-8-17	27	080S	170E	4301332246	12391	Federal	OW	P	
GBU 16-27-8-17	27	080S	170E	4301332247	12391	Federal	OW	P	
GB 1-28-8-17	28	080S	170E	4301332318	12391	Federal	WI	A	K
GB FED 11-29-8-17	29	080S	170E	4301332518		Federal	OW	APD	K
GB FED 10-29-8-17	29	080S	170E	4301332520		Federal	OW	APD	K
GBU 1-34-8-17	34	080S	170E	4301332252	12391	Federal	OW	P	
GBU 2-34-8-17	34	080S	170E	4301332253	12391	Federal	OW	P	
GBU 4-34-8-17	34	080S	170E	4301332254	12391	Federal	OW	P	
GBU 5-34-8-17	34	080S	170E	4301332255	12391	Federal	OW	P	
GBU 6-34-8-17	34	080S	170E	4301332256	12391	Federal	OW	P	
GBU 7-34-8-17	34	080S	170E	4301332257	12391	Federal	OW	P	
GBU 8-34-8-17	34	080S	170E	4301332277	12391	Federal	OW	S	
GBU 3-34-8-17	34	080S	170E	4301332292	12391	Federal	OW	P	
GB 9-34-8-17	34	080S	170E	4301332331	12391	Federal	OW	P	K
GB 10-34-8-17	34	080S	170E	4301332332	12391	Federal	OW	P	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

**OPERATOR CHANGE WORKSHEET**

**015**

Change of Operator (Well Sold)

Designation of Agent/Operator

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
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**CA No.**

**Unit:**

**GREATER BOUNDARY (GR)**

**WELL(S)**

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GBU 3-34-8-17	34	080S	170E	4301332292	12391	Federal	OW	P
GB 9-34-8-17	34	080S	170E	4301332331	12391	Federal	OW	P
GB 10-34-8-17	34	080S	170E	4301332332	12391	Federal	OW	P

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**OPERATOR CHANGES DOCUMENTATION**

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- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
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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:**

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- 5. Injection Projects to new operator in RBDMS on: 2/28/2005
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

MAY 05 2009

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

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Additional Well: Boundary Area Permit  
**UIC Permit No. UT20702-00000**  
**Well ID: UT20702-08389**  
Greater Boundary Federal 10-34-8-17  
1918' FSL & 1966' FEL  
NW SE Sec. 34 T8S-R17E  
Duchesne County, Utah  
API #43-013-32332

Dear Mr. Sundberg:

The Newfield Production Company request to convert the former Green River Formation oil well Greater Boundary Federal 10-34-8-17 to an enhanced recovery injection well under the Boundary Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions described in the Authorization for Additional Well.

The addition of the proposed injection well within the exterior boundary of the Uintah & Ouray Indian Reservation is being made under the authority of 40 CFR §144.33 (c), terms of the Boundary Area Permit No. UT20702-00000, and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA and written authorization to begin injection is given by the Director. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depth of 3,830 feet and the top of the Wasatch Formation estimated to be at 6,125 feet.

RECEIVED  
MAY 11 2009  
DIV. OF OIL, GAS & MINING

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) a complete EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram, (2) a pore pressure calculation of the injection interval, and (3) the results of a Part I (Internal) Mechanical Integrity (MI) Test.

The initial Maximum Allowable Injection Pressure (MAIP) for the Greater Boundary Federal 10-34-8-17 is 1,280 psig. UIC Area Permit UT20702-00000 allows the permittee to ~~change~~ ~~the~~ ~~MAIP~~ based upon results of a step rate test which demonstrates that the ~~formation breakdown~~ ~~pressure~~ will not be exceeded.

**FOR RECORD ONLY**  
**PRINTED AND AS 110**  
If you have any questions, please call Jason Deardorff at (303) 312-6583 or 1-(800)-227-8917 (Ext. 312-6583). Please submit the required data to Margo Smith at the letterhead address citing mail code 8P-W-GW.

Sincerely,



Eddie A. Sierra  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization For Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Schematics for Greater Boundary Federal 10-34-8-17

cc: Letter Only

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

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20702-00000**

The Boundary Unit Final UIC Area Permit No. UT20702-00000, effective February 11, 1994, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On February 5, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	<b><u>Greater Boundary Federal 10-34-8-17</u></b>
EPA Well ID Number:	<b><u>UT 20702-08389</u></b>
Location:	1918' FSL & 1966' FEL NW SE Sec. 34 T8S-R17E Duchesne County, Utah API #43-013-32332

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20702-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20702-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date:     **MAY 05 2009**    

**Eddie A. Sierra**  
\*Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **Greater Boundary Federal 10-34-8-17**  
EPA Well ID Number: **UT20702-08389**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,830 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,125 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **1,280 psig**, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.73 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = \mathbf{4,412 \text{ ft.}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \mathbf{1,280 \text{ psig}} \end{aligned}$$

UIC Area Permit No. UT20702-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). The Cement Bond Log (CBL) was evaluated and determined to show greater than 80 percent cement bond index from 3,700 – 4,153 ft. which includes a 130-ft. continuous interval of the established areal Confining Zone from 3,634 – 3,830 ft.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 ft. above the top perforation.

### **Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.

(2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,952 - 3,112 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 160-foot balanced cement plug inside the 5-1/2" casing from approximately 2,952 - 3,112 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,489 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 100-foot plug inside the 5-1/2" casing from approximately 1,429-1,549 ft. (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 420 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

See Plugging and Abandonment Diagram.

## INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Greater Boundary Federal 10-34-8-17

EPA Well ID Number: UT20702-08389

**Underground Sources of Drinking Water (USDWs):** USDWs in the Greater Boundary Unit Area Permit generally occur within the Uinta Formation. According to "Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92," the base of moderately saline ground water may be found at approximately 370 ft. below ground surface in the Greater Boundary Federal 10-34-8-17 well.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:**

- TDS of the Green River Formation Water sampled from the Greater Boundary Federal 6-34-8-17 well is 12,590 mg/l.

- TDS of Boundary Facility Injection System source water is 3,186 mg/l.

The **injectate** is culinary water from the Green River supply line or Johnson Water District supply line comingled with produced Green River Formation Water resulting in a TDS < 10,000 mg/l.

**Aquifer Exemption** is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

**Confining Zone:** The Areal Confining Zone (ACZ), which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 225 ft. of shale between the depths of 3,634 ft. and 3,830 ft. (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,295 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,830 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 6,125 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL shows 80% or greater cement bond index in the Confining Zone (3,706 to 3,931 ft. KB). Further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is not required.

**Surface Casing:** 8-5/8" casing is set at 314 ft. (KB) in a 12-1/4" hole, using 150 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,118 ft. (KB) in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth is 6,130 ft. Plugged back total depth is 6,097 ft. EPA calculates top of cement at 1,593 ft. Estimated CBL top of cement is surface (12 ft. KB).

Perforations: Top perforation: 4,412 ft. (KB)      Bottom perforation: 5,973 ft. (KB)

### **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following seven wells that penetrate the Confining Zone within or proximate to a 1/4 mile radius around the Greater Boundary Federal 10-34-8-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Harbourtown Federal 23-34-8-17	API: 43-013-31916	NESW Sec. 34-T8S-R17E
Well: Greater Boundary 7-34-8-17	API: 43-013-32257	SWNE Sec. 34-T8S-R17E
Well: Greater Boundary 9-34-8-17	API: 43-013-32331	NESE Sec. 34-T8S-R17E
Well: Federal M-34-8-17	API: 43-013-33875	SENE Sec. 34-T8S-R17E
Well: Federal Q-34-8-17	API: 43-013-33570	SWSW Sec. 34-T8S-R17E
Well: Federal R-34-8-17	API: 43-013-34039	SESW Sec. 34-T8S-R17E
Well: Federal S-34-8-17	API: 43-013-34038	SWSE Sec. 34-T8S-R17E

#### **Corrective Action Not Required on AOR wells:**

Well: Harbourtown Federal 23-34-8-17      API: 43-013-31916      NESW Sec. 34-T8S-R17E

This is a previously permitted injection well. The Areal Confining Zone (ACZ) occurs in this well from 3,970 – 4,035 ft. and the CBL shows slightly less than 80 percent cement bond index through this interval. There exists several hundred feet of greater than 80 percent cement bond index across multiple shale zones immediately beneath the ACZ in addition to over 3,000 ft. of cement between the injection zone and the expected USDW.

Well: Greater Boundary 7-34-8-17      API: 43-013-32257      SWNE Sec. 34-T8S-R17E

This is a previously permitted injection well. The ACZ occurs in this well from 3,860 – 3,920 ft. and the CBL shows adequate cement throughout the confining zone.

Well: Greater Boundary 9-34-8-17      API: 43-013-32331      NESE Sec. 34-T8S-R17E

The ACZ occurs in this well from 3,660 – 3,850 ft. and shows adequate cement throughout this zone.

Well: Federal M-34-8-17 API: 43-013-33875 SENW Sec. 34-T8S-R17E  
The ACZ occurs in this well from 3,784 – 3,989 ft. and the CBL shows greater than 80 percent cement bond index from 3,810 – 3,910 ft.

Well: Federal Q-34-8-17 API: 43-013-33570 SWSW Sec. 34-T8S-R17E  
This is a diagonally drilled well. The ACZ occurs from 3,708 – 3,916 ft. and the CBL for this well shows adequate cement throughout this interval.

Well: Federal R-34-8-17 API: 43-013-34039 SESW Sec. 34-T8S-R17E  
This is a diagonally drilled well. The ACZ occurs from 3,662 – 3,862 ft. and the CBL for this well shows adequate cement throughout this interval.

Well: Federal S-34-8-17 API: 43-013-34038 SWSE Sec. 34-T8S-R17E  
This is a diagonally drilled well. The ACZ occurs from 3,686 – 3,882 ft. and the CBL for this well shows adequate cement throughout this interval.

#### **Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.

- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known to him.

# Greater Boundary 10-34-8-17

Spud Date: 5/14/04  
 Put on Production: 6/9/04  
 GL: 5053' KB:5065'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.29)  
 DEPTH LANDED: 314.29' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150sxs Class "G" cmt, est 4 bbls cmt to surf.

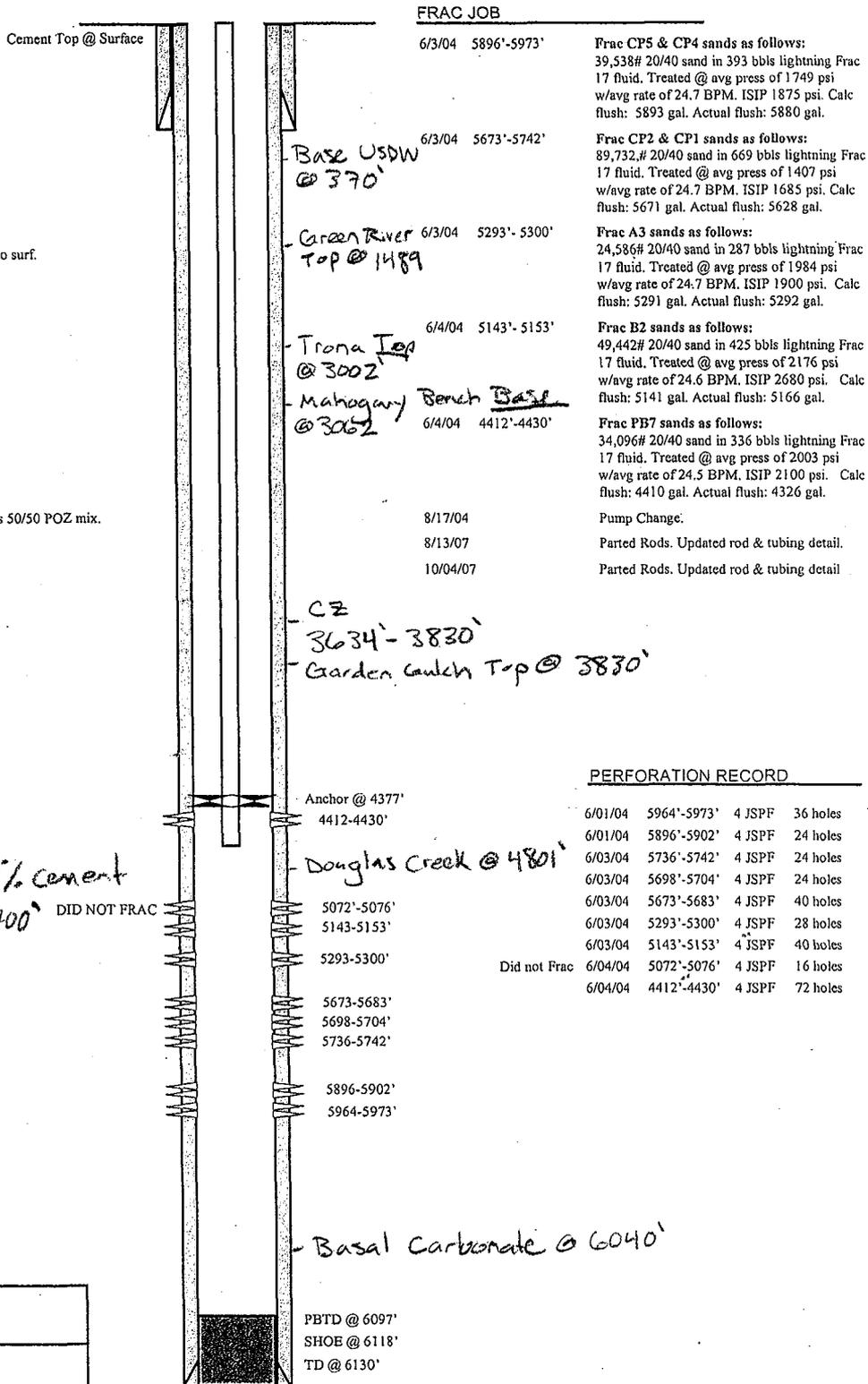
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6120.34')  
 DEPTH LANDED: 6118.34' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.  
 CEMENT TOP AT: Surface

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 187 jts (5875.47')  
 TUBING ANCHOR: 5887.47'  
 NO. OF JOINTS: 1 jts (31.11')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5921.38'  
 NO. OF JOINTS: 2 jts (62.50')  
 TOTAL STRING LENGTH: EOT @ 5985.43'

*CBL shows > 80% cement  
 bond index from 3700'  
 to 4153'*



### FRAC JOB

6/3/04	5896'-5973'	Frac CP5 & CP4 sands as follows: 39,538# 20/40 sand in 393 bbls lightning Frac 17 fluid. Treated @ avg press of 1749 psi w/avg rate of 24.7 BPM. ISIP 1875 psi. Calc flush: 5893 gal. Actual flush: 5880 gal.
6/3/04	5673'-5742'	Frac CP2 & CP1 sands as follows: 89,732# 20/40 sand in 669 bbls lightning Frac 17 fluid. Treated @ avg press of 1407 psi w/avg rate of 24.7 BPM. ISIP 1685 psi. Calc flush: 5671 gal. Actual flush: 5628 gal.
6/3/04	5293'-5300'	Frac A3 sands as follows: 24,586# 20/40 sand in 287 bbls lightning Frac 17 fluid. Treated @ avg press of 1984 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 5291 gal. Actual flush: 5292 gal.
6/4/04	5143'-5153'	Frac B2 sands as follows: 49,442# 20/40 sand in 425 bbls lightning Frac 17 fluid. Treated @ avg press of 2176 psi w/avg rate of 24.6 BPM. ISIP 2680 psi. Calc flush: 5141 gal. Actual flush: 5166 gal.
6/4/04	4412'-4430'	Frac PB7 sands as follows: 34,096# 20/40 sand in 336 bbls lightning Frac 17 fluid. Treated @ avg press of 2003 psi w/avg rate of 24.5 BPM. ISIP 2100 psi. Calc flush: 4410 gal. Actual flush: 4326 gal.
8/17/04		Pump Change:
8/13/07		Parted Rods. Updated rod & tubing detail.
10/04/07		Parted Rods. Updated rod & tubing detail.

### PERFORATION RECORD

6/01/04	5964'-5973'	4 JSPF	36 holes
6/01/04	5896'-5902'	4 JSPF	24 holes
6/03/04	5736'-5742'	4 JSPF	24 holes
6/03/04	5698'-5704'	4 JSPF	24 holes
6/03/04	5673'-5683'	4 JSPF	40 holes
6/03/04	5293'-5300'	4 JSPF	28 holes
6/03/04	5143'-5153'	4 JSPF	40 holes
6/04/04	5072'-5076'	4 JSPF	16 holes
6/04/04	4412'-4430'	4 JSPF	72 holes

**NEWFIELD**

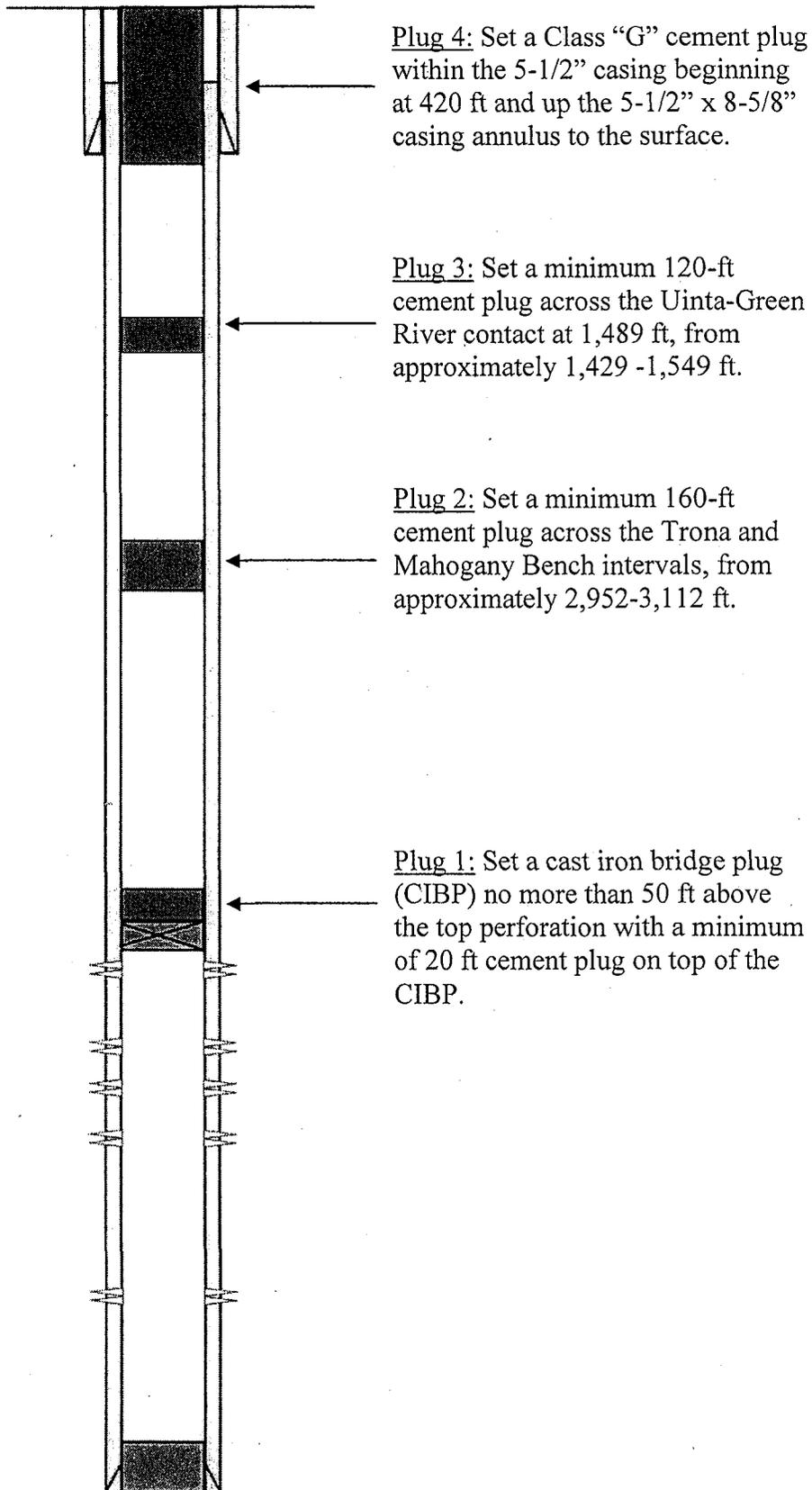
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**Greater Boundary 10-34-8-17**

1918' FSL & 1966' FEL  
 NW/SE Section 34-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-32332; Lease #UTU-76241

*Wasatch estimated @ 6125*

## Plugging and Abandonment Diagram for Greater Boundary Federal 10-34-8-17



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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-76241
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU
8. WELL NAME and NUMBER: GREATER BOUNDARY 10-34-8-17
9. API NUMBER: 430132332
10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
COUNTY: DUCHESNE
STATE: UT

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
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: 1918 FSL 1966 FEL	
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE, 34, T8S, R17E	

**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 type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 07/06/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 07/05/2010.

On 07/02/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/06/2010 the casing was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20702-08389 API# 43-013-32332

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 07/07/2010

(This space for State use only)

**RECEIVED**  
**JUL 12 2010**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well    Gas Well    Other

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)  
 1918 FSL 1966 FEL  
 NWSE Section 34 T8S R17E

5. Lease Serial No.  
 USA UTU-76241

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 GMBU

8. Well Name and No.  
 GREATER BOUNDARY 10-34-8-17

9. API Well No.  
 4301332332

10. Field and Pool, or Exploratory Area  
 GREATER MB UNIT

11. County or Parish, State  
 DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE 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	Change Status _____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

The subject well has been converted from a producing oil well to an injection well on 07/05/2010.

On 07/02/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/06/2010 the casing was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20702-08389      API# 43-013-32332

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Nauboto	Title Administrative Assistant
Signature 	Date 07/07/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

(Instructions on page 2)

**RECEIVED**  
**JUL 12 2010**  
 DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 7 / 6 / 10  
 Test conducted by: Austin Harrison  
 Others present: \_\_\_\_\_

Well Name: <u>Greater Boundary 10-34-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>10</u> Sec: <u>34</u> T <u>8</u> N <u>15</u> R <u>17</u> E <u>W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>NEWFIELD PRODUCTION Co.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1		Test #2		Test #3	
<b>TUBING</b>	<b>PRESSURE</b>					
Initial Pressure	<u>0</u>	psig		psig		psig
End of test pressure	<u>0</u>	psig		psig		psig
<b>CASING / TUBING</b>	<b>ANNULUS</b>		<b>PRESSURE</b>			
0 minutes	<u>1425</u>	psig		psig		psig
5 minutes	<u>1425</u>	psig		psig		psig
10 minutes	<u>1425</u>	psig		psig		psig
15 minutes	<u>1425</u>	psig		psig		psig
20 minutes	<u>1425</u>	psig		psig		psig
25 minutes	<u>1425</u>	psig		psig		psig
30 minutes	<u>1425</u>	psig		psig		psig
_____ minutes		psig		psig		psig
_____ minutes		psig		psig		psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

Austin Harrison



## Daily Activity Report

Format For Sundry

**GRTR BNDRY II 10-34-8-17**

**5/1/2010 To 9/30/2010**

**6/29/2010 Day: 1**

**Conversion**

Nabors #809 on 6/29/2010 - MIRUSU. LD rods. - MIRUSU. Unit was down. Pump 60 bbls water down casing. Unseat pump. Flush rods w/ 40 bbls wtr. Soft seat pump. Test tbg to 3000 psi. Fish rods. TOOH w/ rods laying down on trailer. 99- 3/4" rods out flush rods w/ 20 bbls water. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$4,529

**6/30/2010 Day: 2**

**Conversion**

Nabors #809 on 6/30/2010 - Continue LD rods. - Open well. Continue TOOH w/ rods LD on trailer. RU BOP's. TA wasn't set. TOOH w/ tbg breaking, inspecting every pin & doping w/ Liquid "O" ring. LD 48 jts. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$12,835

**7/1/2010 Day: 3**

**Conversion**

Nabors #809 on 7/1/2010 - TIH w/ AS-1X pkr. Tbg won't test. - Open well w/ 0 psi on casing. PU 2-1/2" x 5-1/2" Arrow Set 1 packer w/ Wire Line entry guide, SN, 139 jts tbg. Test tbg to 3000 psi. Won't test. RIH & fish SV. Drop new SV. Tbg still won't test. Leave pressure on tbg overnight.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,682

**7/2/2010 Day: 4**

**Conversion**

Nabors #809 on 7/2/2010 - TOOH w/ tbg. Found collar leak. TIH w/ tbg. Set pkr. Test casing. - Open well w/ 1400 psi on tbg. Pressure tbg to 3000 psi. Won't test. TOOH w/ tbg. 40 jts left in hole tested to 4000 psi. TOOH w/ tbg testing. Found bad collar 100#. TIH w/ tbg & tested to 3000 psi. RU SL & fish SV. RD BOP's. Pump 65 bbls pkr fluid. Set pkr w/ 139 jts, SN, pkr @ 4377' w/ EOT @ 4384' w/ CE @ 4380.46'. Test casing to 1400 psi. RDMOSU. Well ready for MIT.

**Daily Cost:** \$0

**Cumulative Cost:** \$25,475

**7/5/2010 Day: 5**

**Conversion**

Nabors #809 on 7/5/2010 - RU Gyro. - Ran Gyro on well. Well ready for MIT.

**Daily Cost:** \$0

**Cumulative Cost:** \$27,975

**7/7/2010 Day: 6**

**Conversion**

Rigless on 7/7/2010 - MIT on well - On 7/2/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Greater Boundary 10-34-8-17). On 7/6/2010 the csg was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. Final Report! EPA# 20702-08389 API# 43-013-32332 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$52,995

---

**Pertinent Files: Go to File List**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

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

**JUL 29 2010**

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

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

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

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20702-08389  
Well: Greater Boundary 10-34-8-17  
NWSE Sec. 34-T8S-R17E  
Duchesne County, UT  
API No.: 43-013-32332

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) July 7, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20702-08389.

As of the date of this letter, Newfield is authorized to commence injection into the Greater Boundary 10-34-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,280 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wisner at the following address, referencing the well name and UIC Permit number on all correspondence:

**RECEIVED**

**AUG 04 2010**

DIV. OF OIL, GAS & MINING

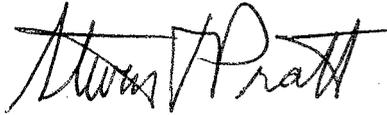
Mr. Nathan Wisner  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

Or, you may reach Mr. Wisner by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20702-08389.

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583.

Sincerely,



for

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

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

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
 USA UTU-76241

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
 GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
 GREATER BOUNDARY 10-34-8-17

2. NAME OF OPERATOR:  
 NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
 4301332332

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

PHONE NUMBER  
 435.646.3721

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

4. LOCATION OF WELL:  
 FOOTAGES AT SURFACE: 1918 FSL 1966 FEL

COUNTY: DUCHESNE

QTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 34, T8S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will 08/04/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input 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: - Put on Injection
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above reference well was put on injection at 11:00 AM on 08-04-2010.

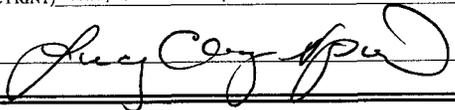
EPA # UT20702-08389 API # 43-013-32332

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 08/05/2010

(This space for State use only)

**RECEIVED**

**AUG 11 2010**

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76241
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: GB 10-34-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1918 FSL 1966 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 34 Township: 08.0S Range: 17.0E Meridian: S	9. API NUMBER: 43013323320000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
STATE: UTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/4/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 06/04/2015 the casing was pressured up to 1431 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1200 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08389

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 June 10, 2015**

<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> 6/8/2015	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 6 14 15  
 Test conducted by: Kane Stevenson  
 Others present: \_\_\_\_\_

Well Name: <u>Greater Boundary</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>10</u> Sec: <u>34</u> T <u>8</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Newfield Exploration</u>		
Last MIT: <u>  </u> / <u>  </u> / <u>  </u>	Maximum Allowable Pressure: <u>1291</u>	PSIG

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

Pre-test casing/tubing annulus pressure: Csg-0 TBG-1200 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	1200 psig	psig	psig
End of test pressure	1200 psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	1430 psig	psig	psig
5 minutes	1431 psig	psig	psig
10 minutes	1431 psig	psig	psig
15 minutes	1431 psig	psig	psig
20 minutes	1431 psig	psig	psig
25 minutes	1431 psig	psig	psig
30 minutes	1431 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

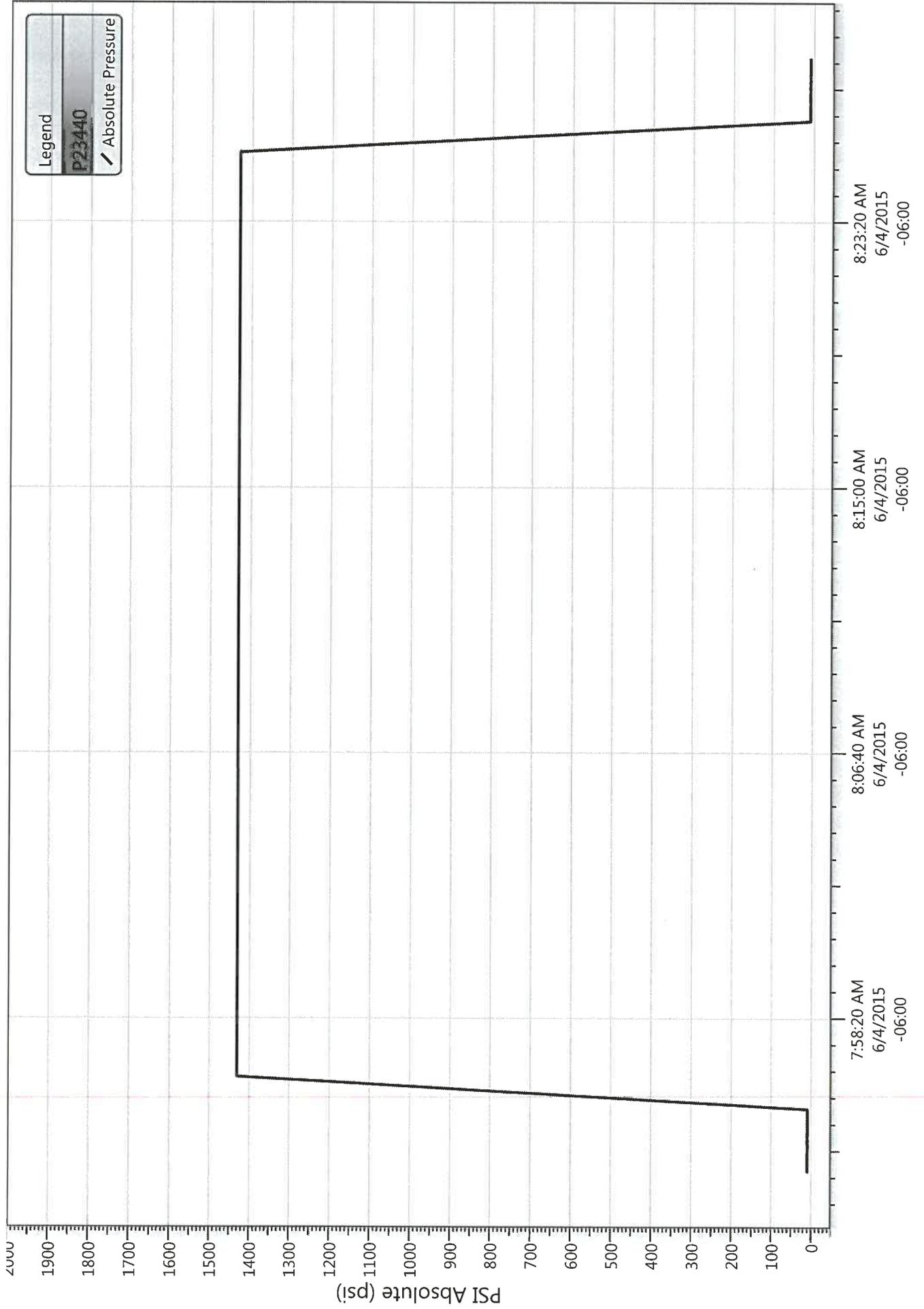
Does the annulus pressure build back up after the test?  Yes  No

### MECHANICAL INTEGRITY PRESSURE TEST

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

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

Greater Boundary 10 34 8 17 (5 Year MIT)  
6/4/2015 7:52:44 AM



# Greater Boundary 10-34-8-17

Spud Date: 5/14/04  
 Put on Production: 6/9/04  
 GI.: 5053' KB:5065'

## Injection Wellbore Diagram

### SURFACE CASING

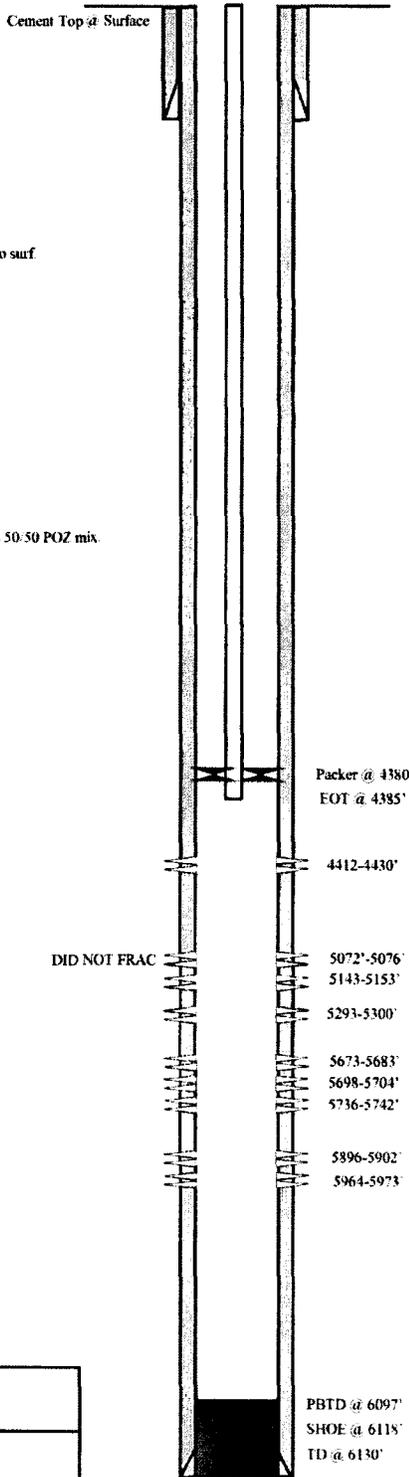
CSG SIZE: 9-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.29)  
 DEPTH LANDED: 314.29' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150sxs Class "G" cmt, est 4 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts (6120.34')  
 DEPTH LANDED: 6118.34' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50-50 POZ mix.  
 CEMENT TOP AT: Surface

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 139 jts (4364.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4376.1'  
 CE @ 4380.46'  
 TOTAL STRING LENGTH: EOT @ 4385'



### FRAC JOB

6/3/04	5896'-5973'	<b>Frac CP5 &amp; CP4 sands as follows:</b> 39,538# 20:40 sand in 393 bbls lightning Frac 17 fluid. Treated @ avg press of 1749 psi w/avg rate of 24.7 BPM. ISIP 1875 psi. Calc flush: 5893 gal Actual flush: 5880 gal.
6/3/04	5673'-5742'	<b>Frac CP2 &amp; CP1 sands as follows:</b> 89,732# 20:40 sand in 669 bbls lightning Frac 17 fluid. Treated @ avg press of 1407 psi w/avg rate of 24.7 BPM. ISIP 1685 psi. Calc flush: 5671 gal Actual flush: 5628 gal.
6/3/04	5293'-5300'	<b>Frac A3 sands as follows:</b> 24,586# 20:40 sand in 287 bbls lightning Frac 17 fluid. Treated @ avg press of 1984 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 5291 gal Actual flush: 5292 gal.
6/4/04	5143'-5153'	<b>Frac B2 sands as follows:</b> 49,342# 20:40 sand in 425 bbls lightning Frac 17 fluid. Treated @ avg press of 2176 psi w/avg rate of 24.6 BPM. ISIP 2680 psi. Calc flush: 5141 gal Actual flush: 5166 gal.
6/4/04	4412'-4430'	<b>Frac PB7 sands as follows:</b> 34,096# 20:40 sand in 336 bbls lightning Frac 17 fluid. Treated @ avg press of 2003 psi w/avg rate of 24.5 BPM. ISIP 2100 psi. Calc flush: 4410 gal Actual flush: 4326 gal.
8/17/04		<b>Pump Change.</b>
8/13/07		<b>Parted Rods, Updated rod &amp; tubing detail</b>
10/04/07		<b>Parted Rods, Updated rod &amp; tubing detail</b>
7/5/10		<b>Convert to Injection well</b>
7/6/10		<b>MIT Completed - tbg detail updated</b>

### PERFORATION RECORD

6/01/04	5964'-5973'	4 JSPF	36 holes
6/01/04	5896'-5902'	4 JSPF	24 holes
6/03/04	5736'-5742'	4 JSPF	24 holes
6/03/04	5698'-5704'	4 JSPF	24 holes
6/03/04	5673'-5683'	4 JSPF	40 holes
6/03/04	5293'-5300'	4 JSPF	28 holes
6/03/04	5143'-5153'	4 JSPF	40 holes
6/04/04	5072'-5076'	4 JSPF	16 holes
6/04/04	4412'-4430'	4 JSPF	72 holes

**NEWFIELD**

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**Greater Boundary 10-34-8-17**

1918' FSL & 1966' FEL  
 NW/SE Section 34-T8S-R17E  
 Duchesne Co. Utah  
 API #43-013-32332; Lease #UTU-76241