



January 24, 2003

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

RE: Applications for Permit to Drill: Humpback Federal 7-24, 8-24, 9-24, 10-24,
and 16-24-8-17.

Dear Diana:

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 28 2003

DIV. OF OIL, GAS & MINING

INLAND PRODUCTION COMPANY
HUMPBACK FEDERAL #7-24-8-17
SW/NE SECTION 24, T8S, R17E
UINTAH 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
HUMPBAC FEDERAL #7-24-8-17
SW/NE SECTION 24, T8S, R17E
UINTAH 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 Humpback Federal #7-24-8-17 located in SW/NE Section 24, T8S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.1 miles \pm to it's junction with an existing road to the east; proceed easterly - 6.6miles \pm to it's junction with the beginning of the proposed access road; proceed along the proposed access road 4245' \pm 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 Humpback Federal #7-24-8-17 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 Humpback Federal #7-24-8-17 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: Brad Mecham
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

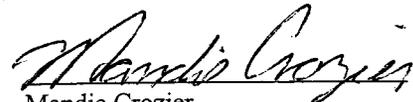
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #7-24-8-17 SW/NE Section 24, Township 8S, Range 17E: Lease U-45431 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #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.

1/24/03

Date



Mandie Crozier
Permit Clerk

Well No.: Humpback Federal 7-24-8-17

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Humpback Federal 7-24-8-17

API Number:

Lease Number: U-45431

Location: SW/NE Sec. 24, 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 ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between February 15 and May 30. If the nest remains inactive on May 30th (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 before the well is drilled, 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.

UINTA BASIN HOOKLESS CACTUS: The access road to this location must be narrowed to 14-feet in width or less to avoid disturbing known cactus populations. Once constructed, roads must be signed to advise motorists to stay on authorized

routes. Uinta Basin Hookless Cactus populations and individuals located during previous surveys must be flagged (fenced) and avoided during construction activities. BLM's authorized officer must be contacted prior to construction if any individual cacti cannot be avoided by construction activities. (See attached Biological Opinion for USFWS dated November 17, 1999).

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 currugata</i>	4 lbs/acre
Galleta grass	<i>Hilaria jamesii</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.

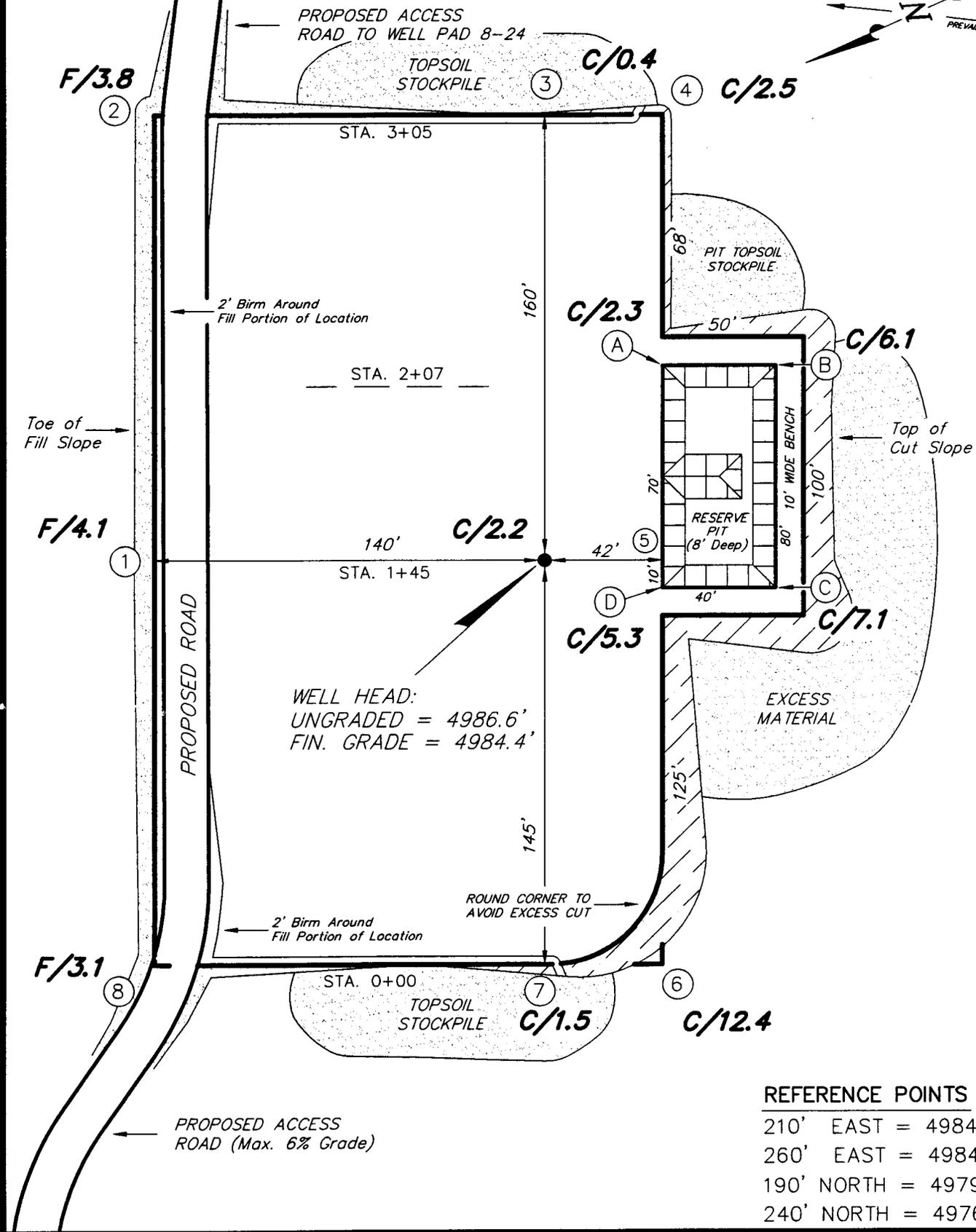
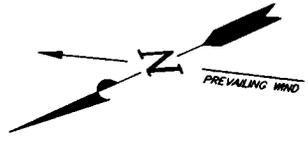
The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the disturbance area associated with buried pipelines will be completed within 10 days after installation. The surface will be recontoured to natural or near natural 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.

OTHER

INLAND PRODUCTION COMPANY

HUMPBACK UNIT #7-24

SEC. 24, T8S, R17E, S.L.B.&M.



WELL HEAD:
UNGRADED = 4986.6'
FIN. GRADE = 4984.4'

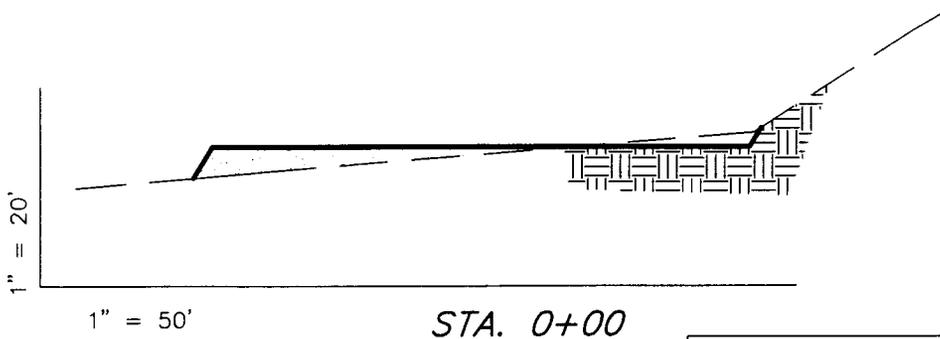
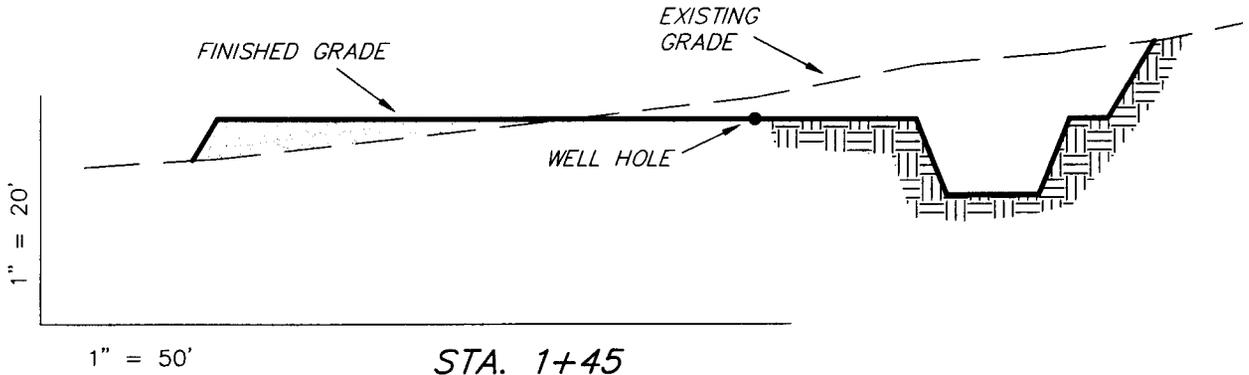
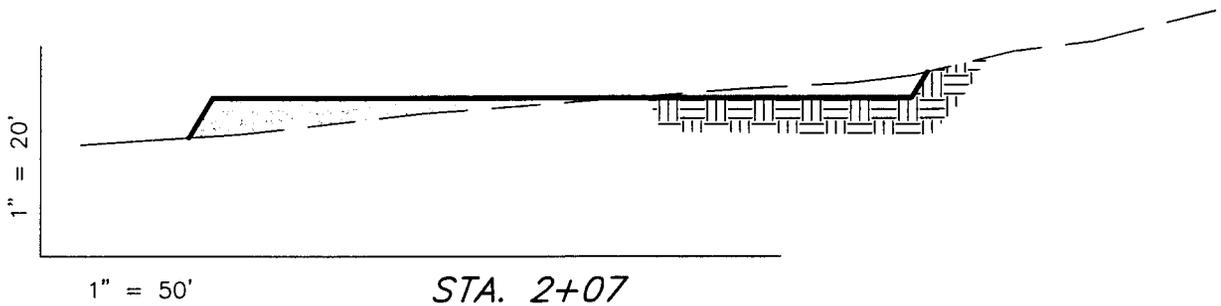
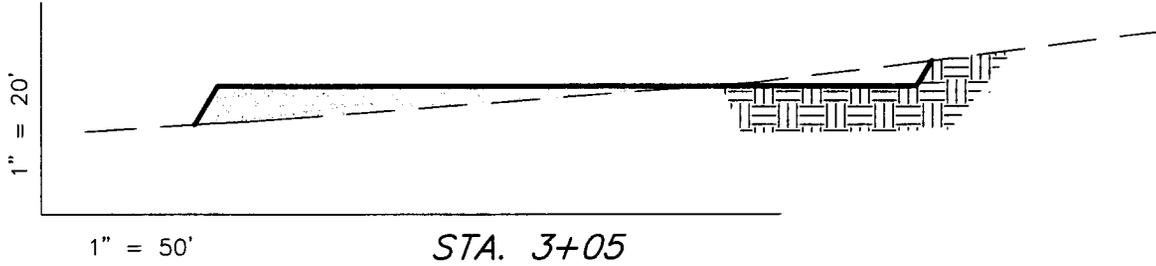
REFERENCE POINTS

210' EAST	= 4984.0'
260' EAST	= 4984.2'
190' NORTH	= 4979.0'
240' NORTH	= 4976.4'

SURVEYED BY: K.G.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 6-11-02

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

INLAND PRODUCTION COMPANY
CROSS SECTIONS
HUMPBACK UNIT #7-24



ESTIMATED EARTHWORK QUANTITIES				
(Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,840	2,840	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,480	2,840	1,010	640

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

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

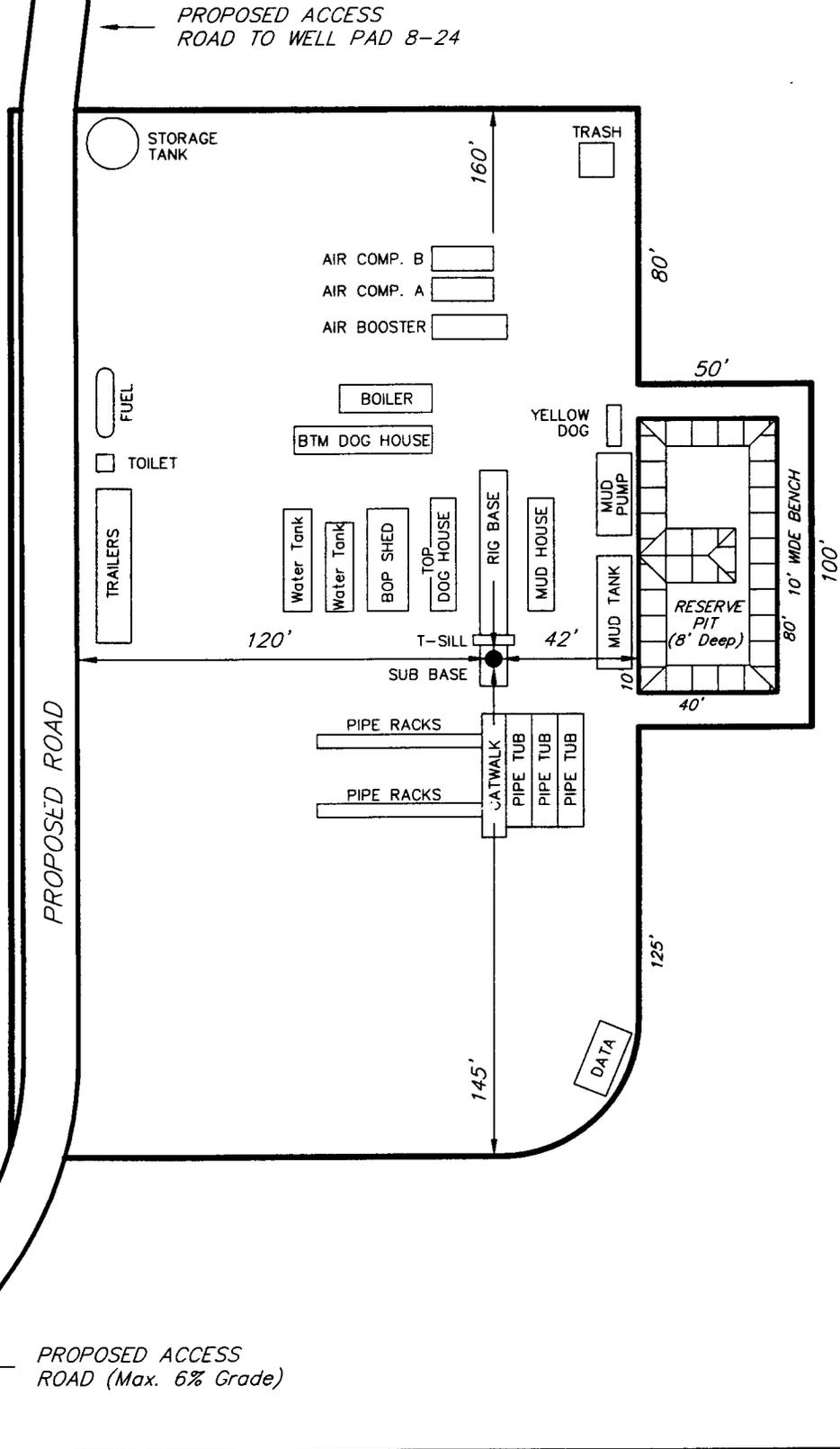
DRAWN BY: J.R.S.

DATE: 6-11-02

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

INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT HUMPBACK UNIT #7-24



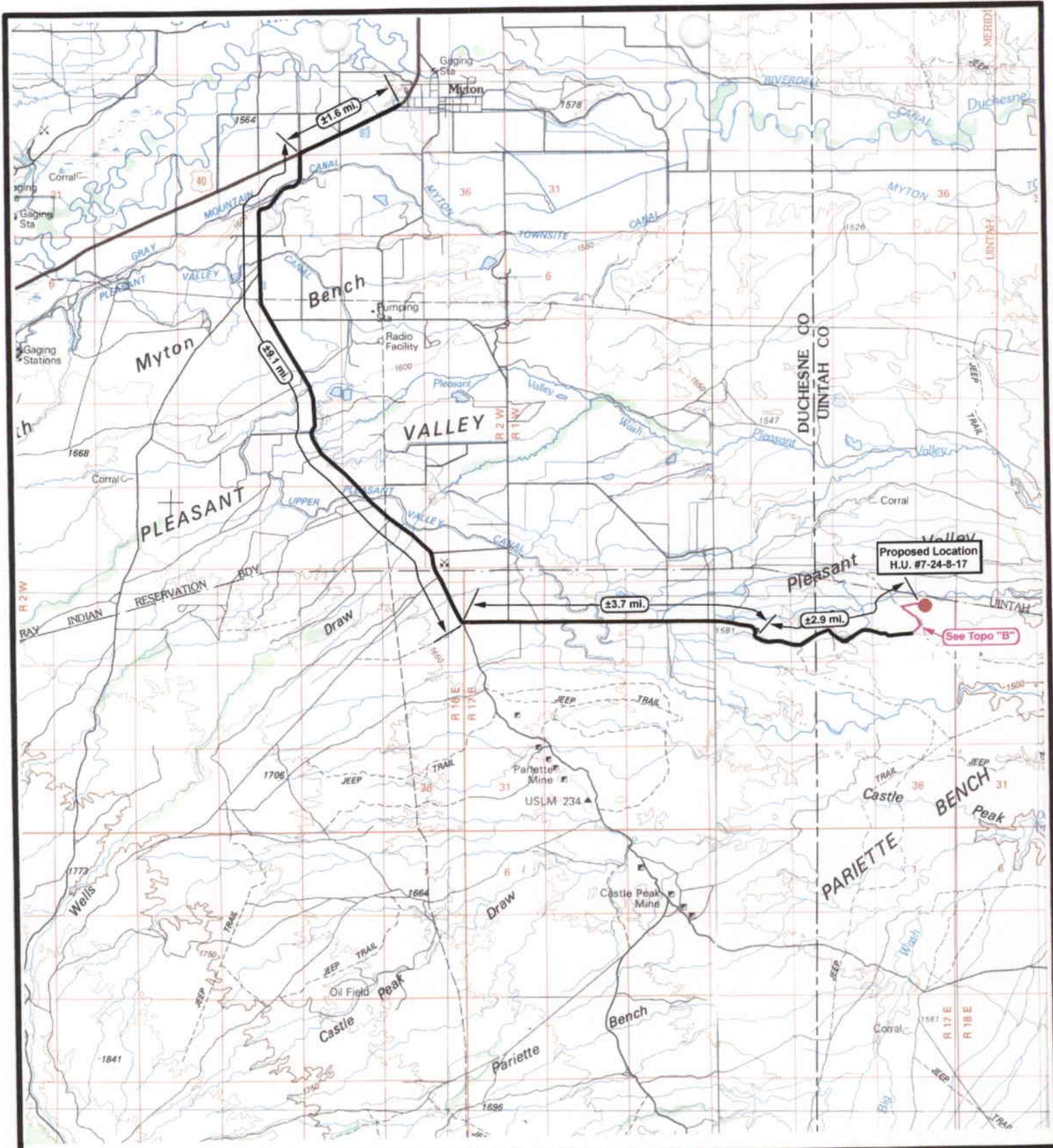
SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 6-11-02

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



**Humpback Unit #7-24
SEC. 24, T8S, R17E, S.L.B.&M.**



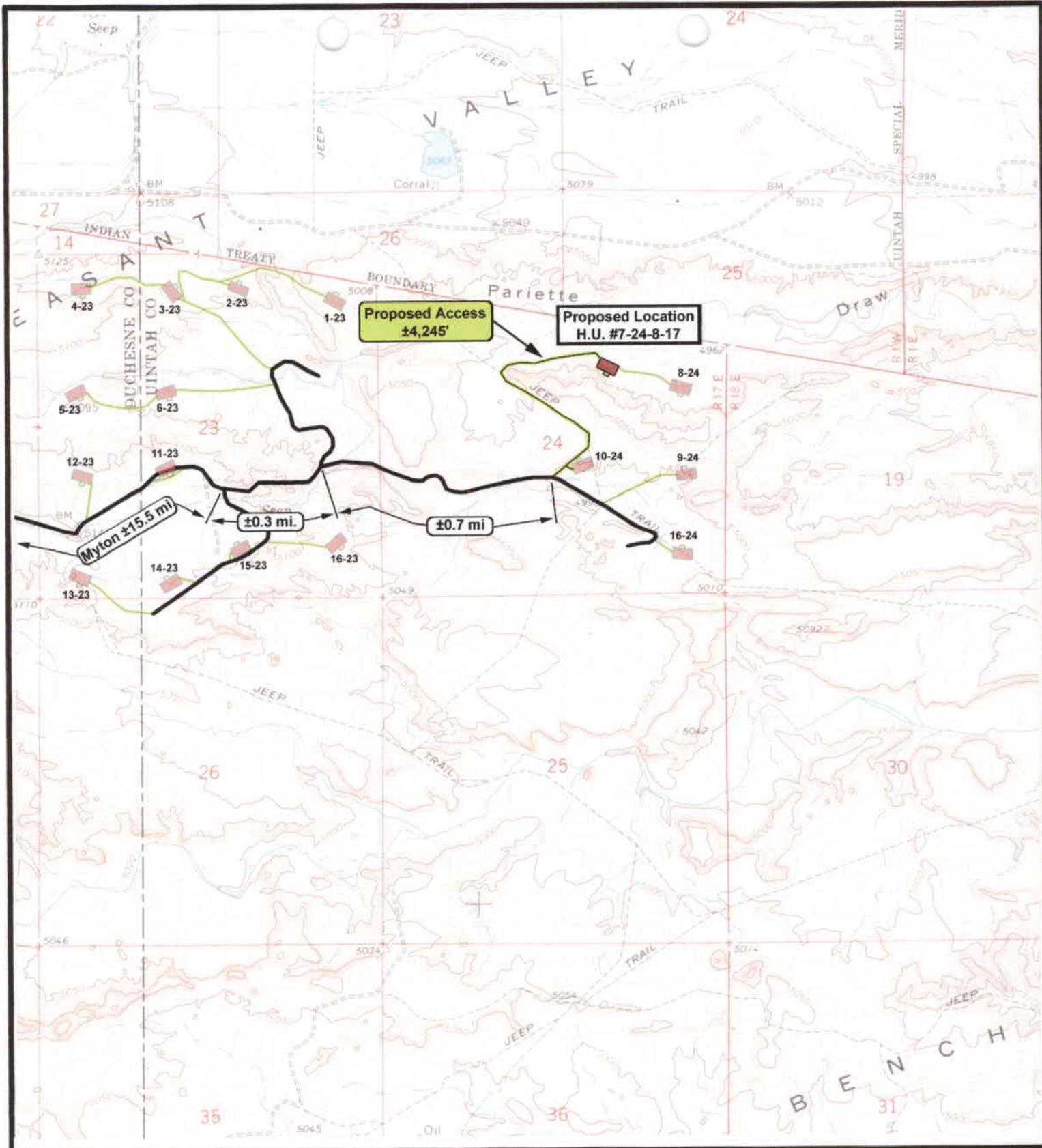
**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000"
DRAWN BY: R.B.
DATE: 06-12-2002

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



Humpback Unit #7-24
SEC. 24, 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: R.B.
 DATE: 06-11-2002

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"B"

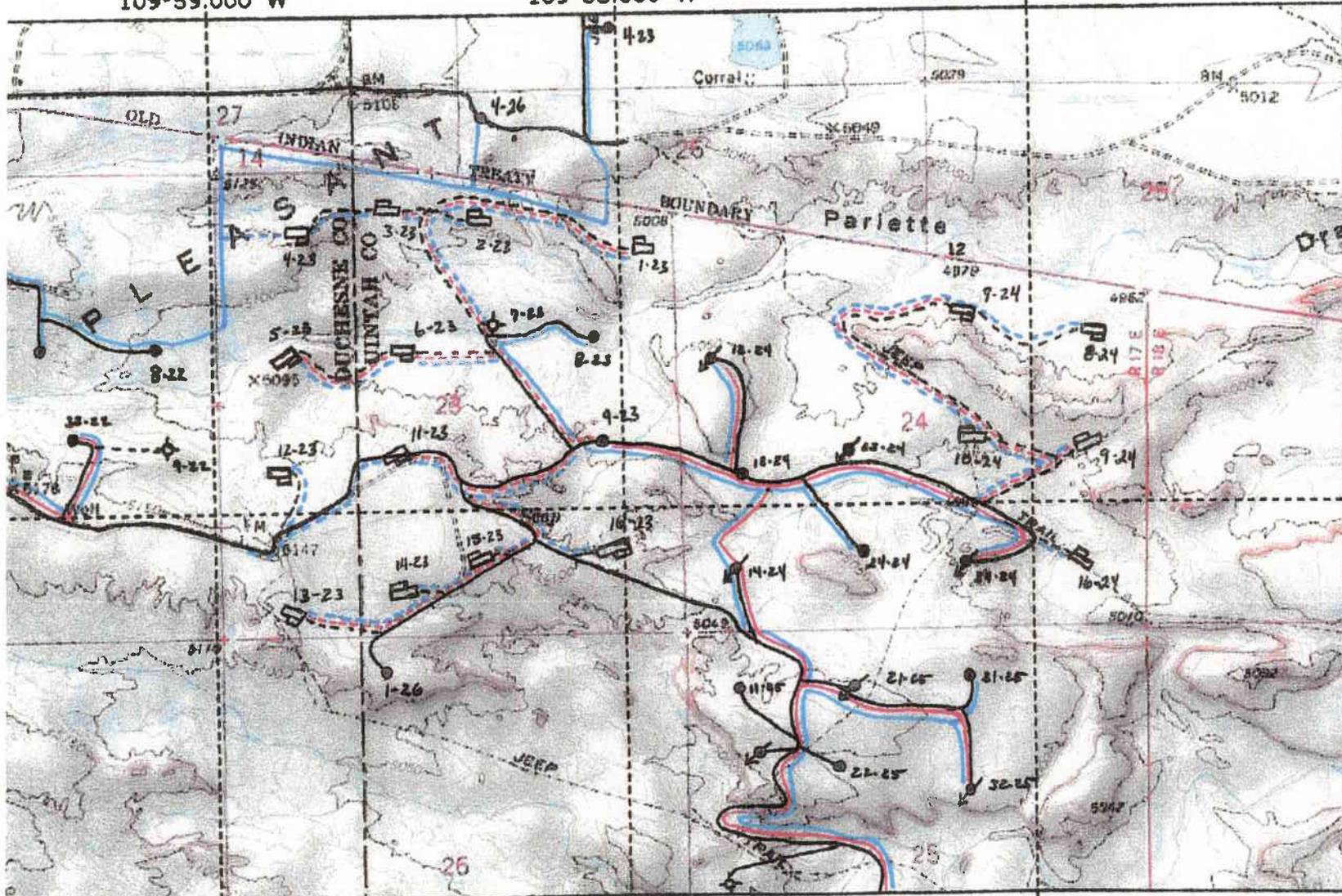
Topo Map "C"

TOPOI map printed on 01/28/02 from "Utah.tpo" and "Untitled.tpg"

109°59.000' W

109°58.000' W

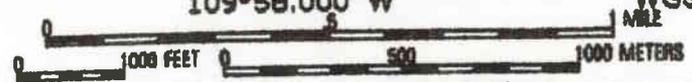
WGS84 109°57.000' W



109°59.000' W

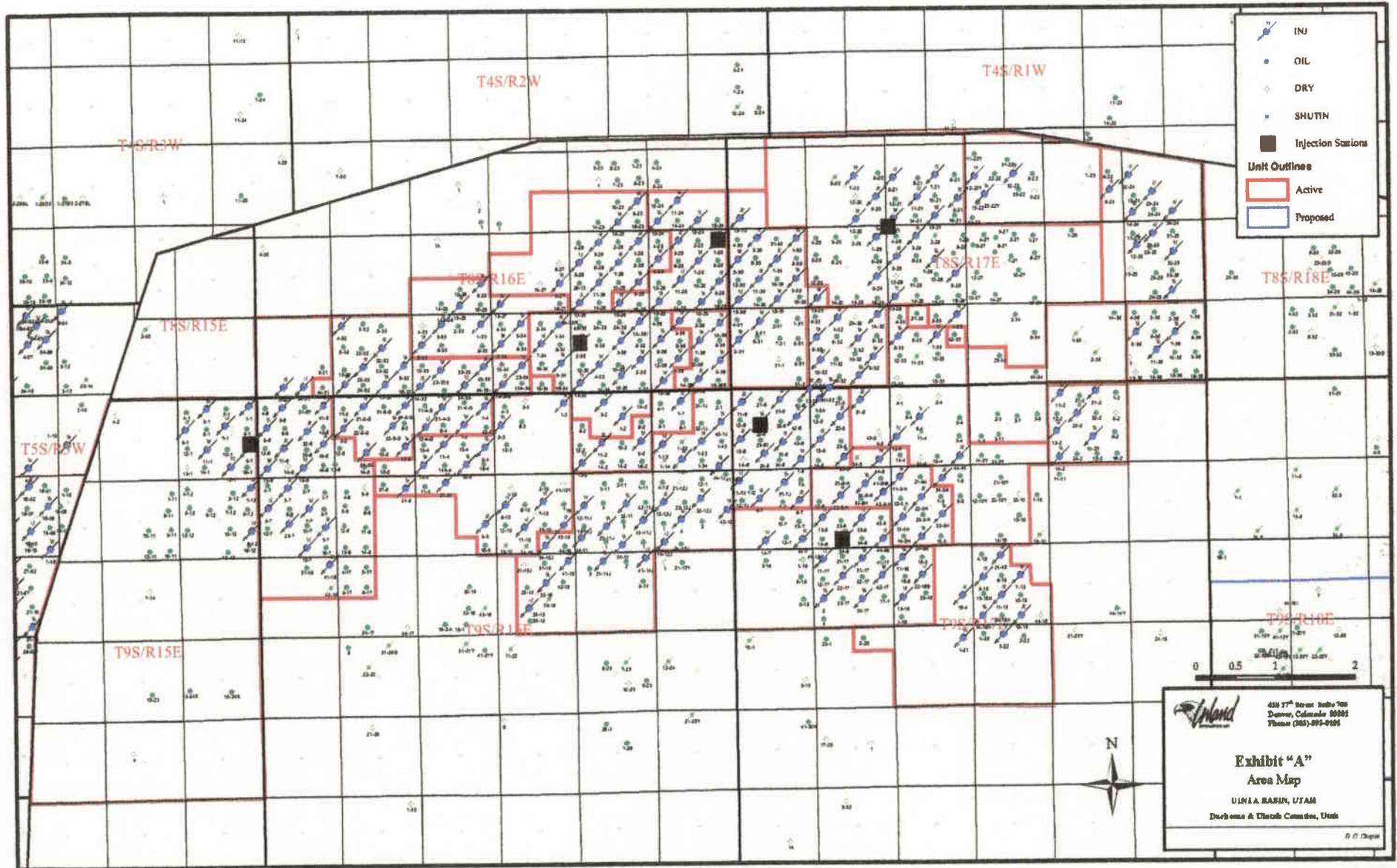
109°58.000' W

WGS84 109°57.000' W

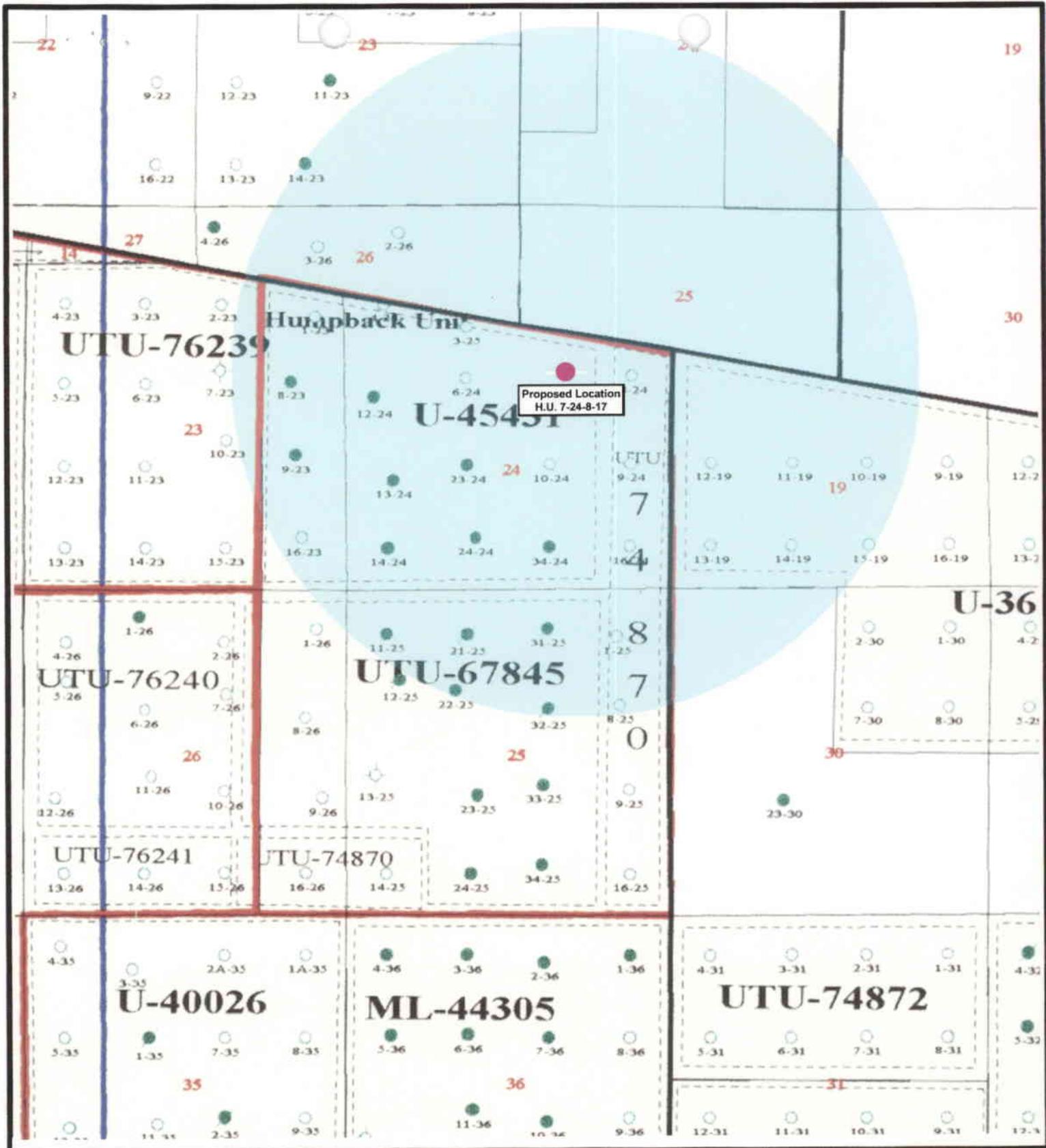


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- Proposed Road
- Proposed water Line
- Proposed Gas Line
- Existing Gas Line
- Existing Water Line



January 15, 2003



Proposed Location
H.U. 7-24-8-17



Humpback Unit #7-24
SEC. 24, 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: R.B.
DATE: 06-12-2002

Legend

- Proposed Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

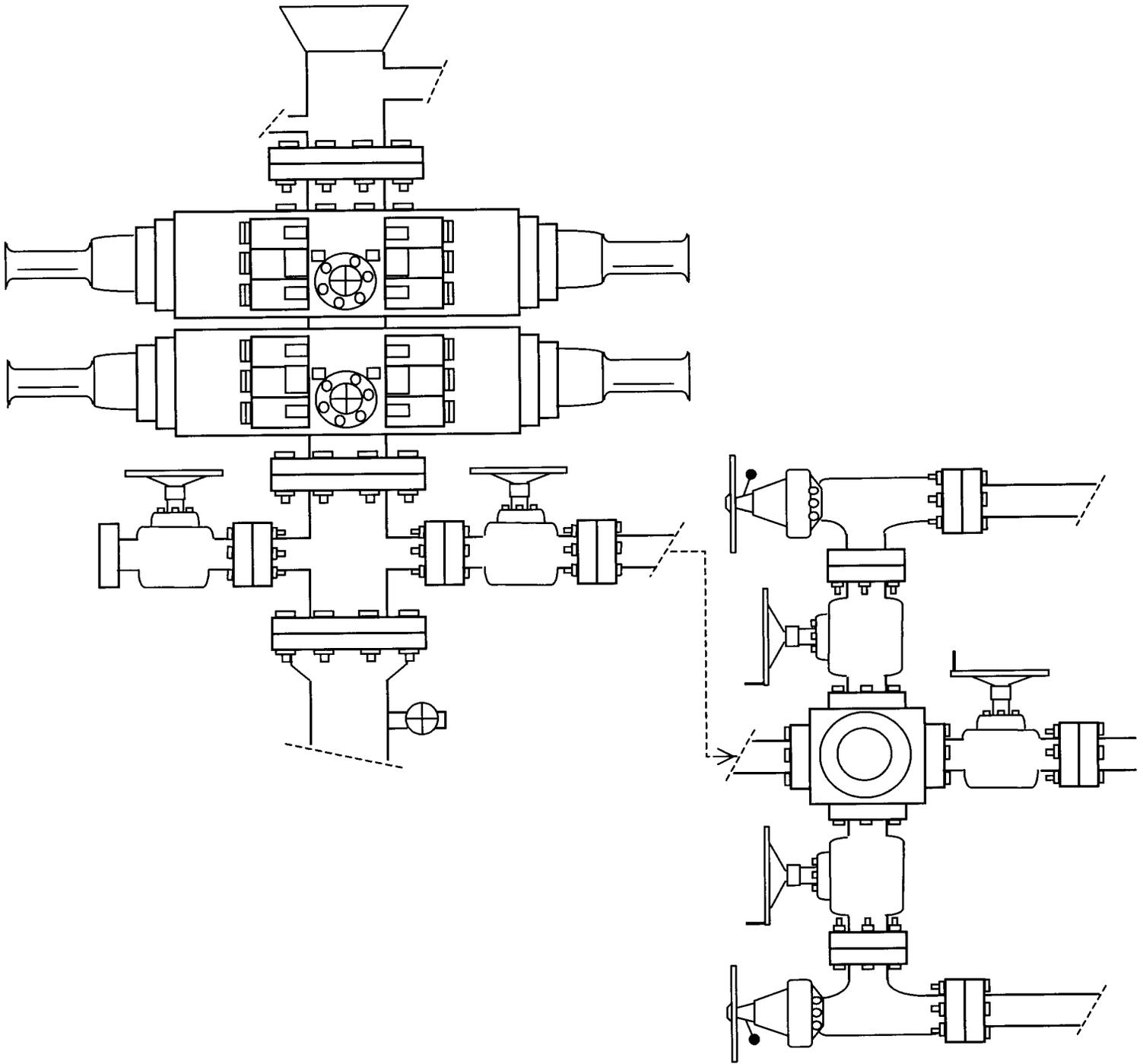


EXHIBIT C

001

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. U-45431
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME Humpback
8. FARM OR LEASE NAME WELL NO. Humpback Federal 7-24-8-17
9. API WELL NO. 43-047-34884
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NE Sec. 24, T8S, R17E
12. County Uintah
13. STATE UT

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

2. NAME OF OPERATOR
Inland Production Company

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 **SW/NE 739' FNL 1814' FEL 4439705 Y 40,10479**
At proposed Prod. Zone **589377X -109.75137**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 17.3 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to) Approx. 494' f/lse line & 739' f/unit line	16. NO. OF ACRES IN LEASE 548.53	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. 1200'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4987' GR

22. APPROX. DATE WORK WILL START*
3rd Quarter 2003

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

The Conditions of Approval are also attached.

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 *Handwritten Signature* TITLE **Permit Clerk** DATE **1/24/03**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Handwritten Signature* TITLE **BRADLEY G. HILL** DATE **02-03-03**
ENVIRONMENTAL SCIENTIST III

**Federal Approval of this
Action is Necessary**

*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.

RECEIVED

JAN 28 2003

DIV. OF OIL, GAS & MINING

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/28/2003

API NO. ASSIGNED: 43-047-34886

WELL NAME: HUMPBAC FED 7-24-8-17
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNE 24 080S 170E
SURFACE: 0739 FNL 1814 FEL
BOTTOM: 0739 FNL 1814 FEL
UINTAH
MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
LEASE NUMBER: U-45431
SURFACE OWNER: 1 - Federal

LATITUDE: 40.10479
LONGITUDE: 109.95137

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

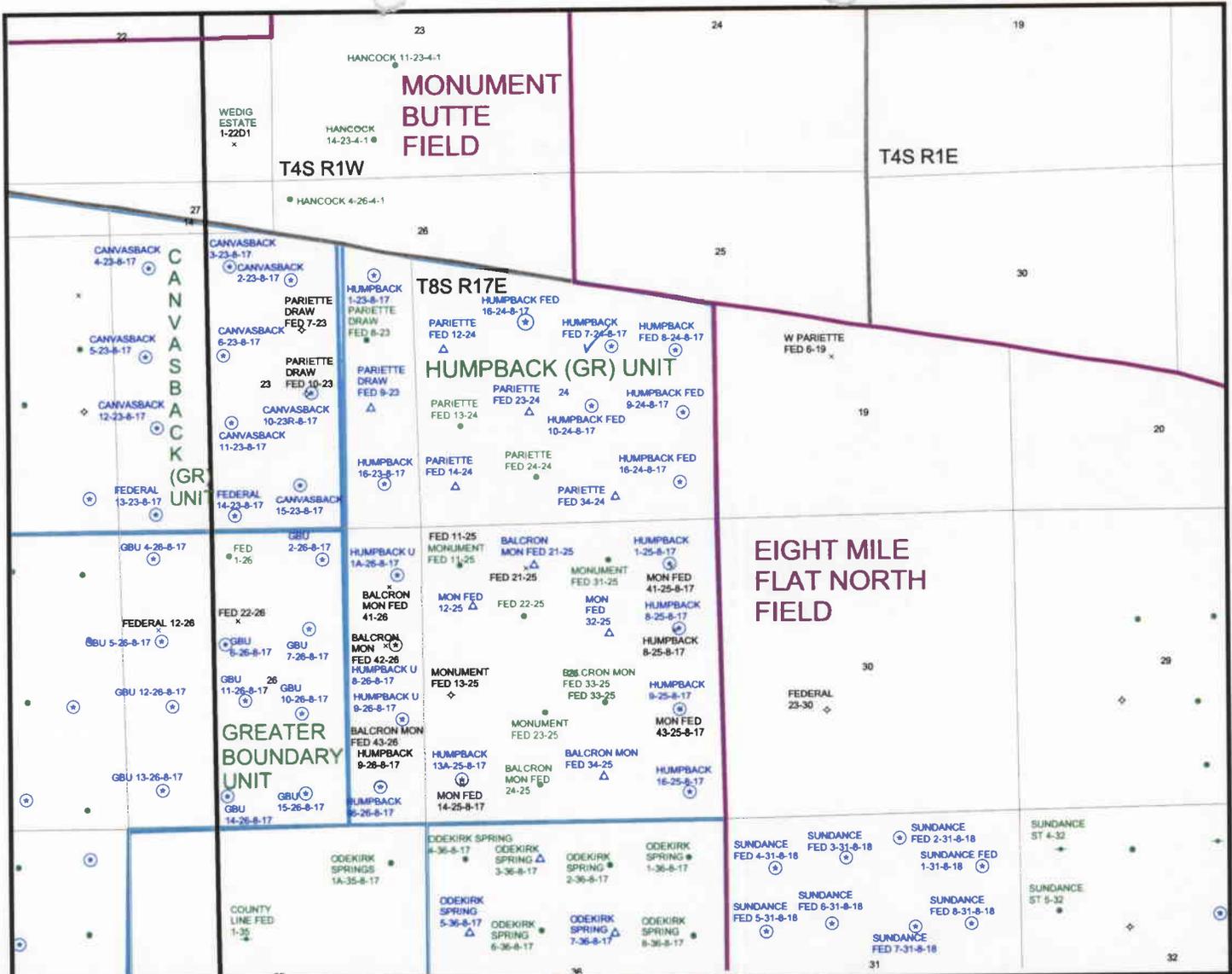
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit _____
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS: Sep, Separate file

STIPULATIONS: 1- Federal Approval
2- Spacing Strip



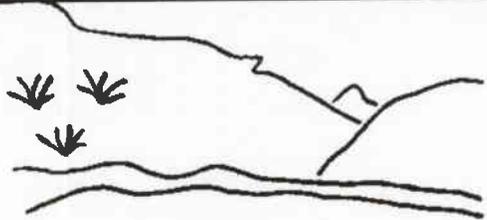
OPERATOR: INLAND PRODUCTION (N5160)

SEC. 24 T8S, R17E

FIELD: MONUMENT BUTTE (105)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

WELLS

- ⊗ GAS INJECTION
- ◊ GAS STORAGE
- × LOCATION ABANDONED
- ⊙ NEW LOCATION
- ◊ PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- △ WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

UNIT STATUS

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES



PREPARED BY: DIANA MASON
DATE: 30-JANUARY-2003



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

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

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

February 3, 2003

Inland Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Humpback Federal 7-24-8-17 Well, 739' FNL, 1814' FEL, SW NE, Sec. 24, T. 8 South,
R. 17 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34886.

Sincerely,

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

John R. Baza
Associate Director

pb

Enclosures

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

Operator: Inland Production Company
Well Name & Number Humpback Federal 7-24-8-17
API Number: 43-047-34886
Lease: U-45431

Location: SW NE **Sec.** 24 **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.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

006

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.
U-45431

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
HUMPBACK (GR RVR)

8. Well Name and No.
HUMPBACK FEDERAL 7-24-8-17

9. API Well No.
43-047-34886

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
UINTAH 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)
739 FNL 1814 FEL SW/NE Section 24, T8S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> 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 Permit Extension
	<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. The original approval date was 2/3/03 (expiration 2/3/04).

**Approved by the
Utah Division of
Oil, Gas and Mining**
Date: 02-12-04
By: [Signature]

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

COPY SENT TO OPERATOR
Date: 2-12-04
Initials: CH0

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

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

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: 43-047-34886
Well Name: Humpback Federal 7-24-8-17
Location: SW/NE Section 24, T8S R17E
Company Permit Issued to: Inland Production Company
Date Original Permit Issued: 2/3/2003

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 Crozier
Signature

2/3/2004
Date

Title: Regulatory Specialist

Representing: Inland Production Company

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: INLAND PRODUCTON COMPANYWell Name: HUMPBAC FED 7-24-8-17Api No: 43-047-34886 Lease Type: FEDERALSection 24 Township 08S Range 17E County UINTAHDrilling Contractor ROSS DRILLING RIG # 15**SPUDDED:**Date 05/18/04Time 12:00 PMHow DRY**Drilling will commence:** _____Reported by FLOYD MITCHELLTelephone # 1-435-823-3610Date 05/19/2004 Signed CHD

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

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

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	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>											
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	12053	43-047-34886	Humpback 7-24-8-17	SWNE	24	8S	17E	Duchesne	May 18, 2004	
WELL 2 COMMENTS: <i>GRRV</i>											
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	12053	43-047-34885	Humpback 8-24-8-17	SENE	24	8S	17E	Duchesne	May 20, 2004	
WELL 3 COMMENTS: <i>GRRV</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
WELL 4 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
WELL 5 COMMENTS:											

K

K

MAY 24 2004

STATE OF OIL, GAS & MINING

- 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.

Kathie S. Jones
 Signature: Kathie S. Jones
 Title: Production Clerk
 Date: May 24, 2004

009

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.

U-45431

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

HUMPBAC (GR RVR)

8. Well Name and No.

HUMPBAC FEDERAL 7-24-8-17

9. API Well No.

~~43-013-32402~~ 049-34886

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

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)

739 FNL 1814 FEL SW/NE Section 24, T8S R17E

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 <u>Weekly Status Report</u>
	<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 6/23/04. MIRU Patterson # 155. 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 @ 260'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 6500'. 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, & 151 Jt's 51/2" J-55 15.5# csgn. Set @ 6488.59'/KB. Cement with 450 sks Prem Lite II w/ 3% KCL, 10% Gel, 3#"s sk CSE, 3#"s sk Kolseal, 3% Sms, 1/4# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 450 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/4# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Good returns W/ 16 bbls cement to pit. Nipple down BOP's. Drop slips @ 95,000 #'s tension. Clean pit's & release rig @ 12:00 pm on 06-28-04.

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

Signed

Floyd Mitchell

Title

Drilling Foreman

Date

July 2 2004

Floyd Mitchell

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
JUL 08 2004

DIV. OF OIL, GAS & MINING

5 1/2" CASING SET AT 6488.59

Flt cllr @ 6472.6

LAST CASING 8 5/8" SET AT 311'

OPERATOR Inland Production Company

DATUM 12' KB

WELL Humpback 7-24-8-17

DATUM TO CUT OFF CASING 12

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Patterson # 155

TD DRILLER 6500 LOGGER 6495'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing JT					14
	5'SHJT	4033' KB					
151	5 1/2"	MAV LT & C casing	15.5#	J-55	8rd	A	6432.32
		Float collar					0.6
1	5 1/2"	MAV LT & C casing	15.5#	J-55	8rd	A	43.02
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6490.59
TOTAL LENGTH OF STRING		6490.59	152	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		257.36	6	CASING SET DEPTH			6488.59
TOTAL		6758.08		} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6758.08	158				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		6/27/2004	11:30 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		6/28/2004	3:00 AM	Bbls CMT CIRC TO SURFACE <u>17</u>			
BEGIN CIRC		6/28/2004	3:00 AM	RECIPROCATED PIPE IN/A <u>THRUSTROKE</u>			
BEGIN PUMP CMT		6/28/2004	4:56 AM	DID BACK PRES. VALVE HOLD ? <u>yes</u>			
BEGIN DSPL. CMT		6/28/2004	6:05 AM	BUMPED PLUG TO <u>2520</u> PSI			
PLUG DOWN		6/28/2004	6:42 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	450	Premilite 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	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Floyd Mitchell

DATE 5/28/2004

RECEIVED

JUL 08 2004

DIV. OF OIL, GAS & MINING

005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
U-45431

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

7. UNIT AGREEMENT NAME
Humpback

8. FARM OR LEASE NAME WELL NO
Humpback Federal 7-24-8-17

9. API WELL NO.

10. FIELD AND POOL OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/NE Sec. 24, T8S, R17E

12. County
Uintah

13. STATE
UT

2. NAME OF OPERATOR
Inland Production Company

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 **SW/NE 739' FNL 1814' FEL**
At proposed Prod. Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 17.3 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to)
Approx. 494' f/lse line & 739' f/unit line

16. NO. OF ACRES IN LEASE
548.53

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. 1200'

19. PROPOSED DEPTH
6500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4987' GR

22. APPROX. DATE WORK WILL START*
3rd Quarter 2003

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

The Conditions of Approval are also attached.

RECEIVED
JAN 27 REC'D

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 *[Signature]* TITLE **Permit Clerk** DATE 1/24/03

NOTICE OF APPROVAL

PERMIT NO. _____ 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 *[Signature]* TITLE **Assistant Field Manager Mineral Resources** DATE 7/1/03

RECEIVED
JUL 09 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.

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

03PS0279A

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company.

Well Name & Number: Humpback 7-24-8-17

Lease Number: U-45431

API Number: 43-047-34886

Location: SWNE Sec. 24 T.8S R. 17E

Agreement: Humpback Unit

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

CONDITIONS OF APPROVAL

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 thereon.

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.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

011

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU76189X
2. Name of Operator Inland Production Company		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. HUMPBACK UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 739 FNL 1814 FE 1/4 SW/NE Section 24 T8S R17E		8. Well Name and No. HUMPBACK FEDERAL 7-24-8-17
		9. API Well No. 4304734886
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Uintah, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Status Report</u>
	<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 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 recompleat 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 re multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 07/08/04-07/21/04

Subject well had completion procedures initiated in the Green River formation on 7/8/04 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (6099-6106'), (6080-6084'), (6054-6064') (ALL 4 JSPF); #2 (5402-5412') (4 JSPF); #3 (5326-5331'), (5265-5269'), (5211-5215') (All 4 JSPF); #4 (4806-4817'), (4770-4780') (ALL 4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 7/15/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6446'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 6133.52'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 7/21/04.

RECEIVED
JUL 26 2004
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Marnie Bryson	Title Production Clerk
Signature <i>Marnie Bryson</i>	Date 7/23/2004

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 reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

012 SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U-45431

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
HUMPBAC (GR RVR)

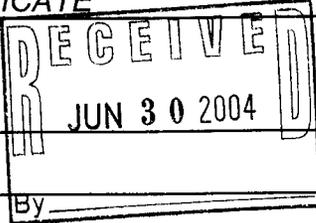
8. Well Name and No.
HUMPBAC FEDERAL 7-24-8-17

9. API Well No.
43-047-34886

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
UINTAH 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)
739 FNL 1814 FEL SW/NE Section 24, T8S R17E

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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Permit Extension
	<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.)

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Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 7/1/03 (expiration 7/1/04).

RECEIVED

AUG 02 2004

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 6/29/2004
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by Kirk Johnson Title Petroleum Engineer Date 7/26/04

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: HB 7-24-8-17

Location: SWNE Sec. 24, T8S, R17E

Lease: UTU 45431

CONDITIONS OF APPROVAL

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

1. The extension will expire July 2, 2005
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 at (435) 781-4486.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

010

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU76189X
2. Name of Operator Inland Production Company		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. HUMPBACK UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 739 FNL 1814 FEEL SW/NE Section 24 T8S R17E		8. Well Name and No. HUMPBACK FEDERAL 7-24-8-17
		9. API Well No. 4304734886
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Uintah, 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"/> Other _____
	<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 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.)

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 <i>Mandie Crozier</i>	Date 8/4/2004

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

AUG 05 2004

DIV. OF OIL, GAS & MINING

Inland Resources Inc.

August 25, 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

Humpback 7-24-8-17 (43-047-34886)
Uintah County, Utah

Dear Ms. Carol Daniels

Enclosed are Updated Well Completion or Recompletion Reports. Sorry for the omissions on the initial submittals.

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

AUG 30 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**

013

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

5. LEASE DESIGNATION AND SERIAL NO.
 UTU-74870
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 NA
 7. UNIT AGREEMENT NAME
 Humpback
 8. FARM OR LEASE NAME, WELL NO.
 Humpback Federal 7-24-8-17

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 739' FNL & 1814' FEL (SW NE) Sec. 24, T8S, R17E
 At top prod. Interval reported below
 At total depth

10. FIELD AND POOL OR WILDCAT
 Monument Butte
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
 Sec. 24, T8S, R17E
 12. COUNTY OR PARISH
 Uintah
 13. STATE
 UT

14. API NO. 43-047-34886
 DATE ISSUED 2/3/2003

15. DATE SPURRED 5/18/2004
 16. DATE T.D. REACHED 6/28/2004
 17. DATE COMPL. (Ready to prod.) 7/21/2004
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4986' GL 4998' KB
 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6500'
 21. PLUG BACK T.D., MD & TVD 6446'
 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 4770'-6106'
 25. WAS DIRECTIONAL SURVEY MADE
 No

26. TYPE ELECTRIC AND OTHER LOGS RUN
 DIG, GR, CD/CN/GR, CAL/GR/CC
 27. WAS WELL CORED
 No

28. 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#	308'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6488'	7-7/8"	450 sxs Premlite II & 450 sxs 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 @ 6133'	TA @ 6031'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
(CP1,2) 6054-64', 6080-84', 6099-6106'	.41"	4/84	6054'-6106'
(C-sd) 5402-5412'	.41"	4/40	5402'-5412'
(D1,2,3) 5211-15', 5265-69', 5326-31'	.41"	4/52	5211'-5331'
(PB7, GB6) 4770'-4780', 4806-17'	.41"	4/84	4770'-4817'

AMOUNT AND KIND OF MATERIAL USED

Frac w/ 59,476# 20/40 sand in 504 bbls fluid.
Frac w/ 34,928# 20/40 sand in 439 bbls fluid.
Frac w/ 29,525# 20/40 sand in 314 bbls fluid.
Frac w/ 96,058# 20/40 sand in 662 bbls fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION 7/21/2004
 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)
 WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			→	67	52	5	776

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
 AUG 30 2004

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED Brian Harris TITLE DIV. OF OIL Engineering Technician DATE 8/25/2004

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

OPERATOR CHANGE WORKSHEET

014

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
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	
CA No.	Unit:	HUMPBACK (GREEN RIVER)

WELL(S)									
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
HUMPBACK 16-23-8-17	23	080S	170E	4304734558	12053	Federal	OW	P	K
HUMPBACK 1-23-8-17	23	080S	170E	4304734566	12053	Federal	OW	P	K
HUMPBACK FED 16-24-8-17	24	080S	170E	4304734879	12053	Federal	OW	P	K
HUMPBACK FED 10-24-8-17	24	080S	170E	4304734880	12053	Federal	OW	P	K
HUMPBACK FED 9-24-8-17	24	080S	170E	4304734881	12053	Federal	OW	P	K
HUMPBACK FED 8-24-8-17	24	080S	170E	4304734885	12053	Federal	OW	P	K
HUMPBACK FED 7-24-8-17	24	080S	170E	4304734886	12053	Federal	OW	P	K
HUMPBACK 13A-25-8-17	25	080S	170E	4304734200	12053	Federal	WI	A	K
HUMPBACK 1-25-8-17	25	080S	170E	4304734485	12053	Federal	OW	P	K
HUMPBACK 8-25-8-17	25	080S	170E	4304734486	12053	Federal	OW	P	K
HUMPBACK 9-25-8-17	25	080S	170E	4304734487	12053	Federal	OW	P	K
HUMPBACK 16-25-8-17	25	080S	170E	4304734488	12053	Federal	OW	P	K
HUMPBACK U 9-26-8-17	26	080S	170E	4304734162	12053	Federal	OW	P	
HUMPBACK 16-26-8-17	26	080S	170E	4304734177		Federal	OW	APD	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

015 Change of Operator (Well Sold) Designation of Agent/Operator

X Operator Name Change **Merger**

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CA No. **Unit:** **HUMPBACK (GREEN RIVER)**

WELL(S)								
NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
HUMPBACK 16-23-8-17	23	080S	170E	4304734558	12053	Federal	OW	P
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HUMPBACK 9-25-8-17	25	080S	170E	4304734487	12053	Federal	OW	P
HUMPBACK 16-25-8-17	25	080S	170E	4304734488	12053	Federal	OW	P
HUMPBACK U 9-26-8-17	26	080S	170E	4304734162	12053	Federal	OW	P
HUMPBACK 16-26-8-17	26	080S	170E	4304734177		Federal	OW	APD

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted on:

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

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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



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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



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		

4304734886
8S 17E 24



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 200
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

JUN 15 2006

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Additional Well to Humpback Area Permit
UIC Permit No. UT20852-00000
Well ID: UT20852-06737
Humpback Federal No. 7-24-8-17
Uintah County, Utah

Dear Mr. Gerbig:

The Newfield Production Company (Newfield) request to convert the Humpback Federal No. 7-24-8-17 to a Green River Formation enhanced recovery injection well is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization For Additional Well.

The addition of the Humpback Federal No. 7-24-8-17, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 Code of Federal Regulations (CFR) §144.33 (c) and terms of the Humpback Area Permit, Underground Injection Control (UIC) Area Permit No. UT20852-00000. Unless specifically mentioned in the enclosed Authorization For Additional Well, the Humpback Federal No. 7-24-8-17 is subject to all terms and conditions of the UIC Area Permit UT20852-00000, as modified.

RECEIVED

JUN 19 2006

ENVIRONMENTAL PROTECTION AGENCY



Printed on Recycled Paper

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and Newfield has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 4205 feet and the top of the Wasatch Formation, estimated to be 6525 feet.

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval the following: (1) the results of a **Part I (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, (3) and a completed **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

Within a 180-day Limited Authorization to Inject period, the permittee will submit the results of a successful **Part II (External) MIT**.

The initial Maximum Allowable Injection Pressure (MAIP) for the Humpback Federal No. 7-24-8-7 was determined to be **1370 psig**. UIC Area Permit UT20852-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a Step-Rate Test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or 1-800-227-8917 (Ext. 6174). Please submit the required data to the **ATTENTION: EMMETT SCHMITZ** at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



Stephen S. Tuber
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)
Schematic Diagram: Humpback Federal No. 7-24-8-17
Ground Water Section Guidance No. 37 (Part II External MIT)
Ground Water Section Guidance No. 39 (Part I Internal MIT)

cc: without enclosures

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

Chester Mills
Superintendent
BIA - Uintah & Ouray Indian Agency

cc: with enclosures

Lynn Becker
Director
Energy & Minerals Dept.
Ute Indian Tribe

S. Elaine Willie
Environmental Coordinator
Ute Indian Tribe

Michael Guinn
Vice President - Operations
Newfield Production Company
Myton, UT 84052

Gilbert Hunt
Technical Services Manager
Utah Division of Oil, Gas, and Mining

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 REGION 8
 999 18TH STREET - SUITE 200
 DENVER, CO 80202-2466
 Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UNDERGROUND INJECTION CONTROL (UIC) AREA PERMIT NO: UT20852-00000

The Final UIC Humpback Area Permit No. UT20852-00000, effective October 8, 1998, authorized enhanced recovery injection into the Garden Gulch and Douglas Creek Members of the Green River Formation. A Major Permit Modification No. 1, effective September 9, 2003, authorized injection for the purpose of enhanced oil recovery into multiple lenticular sand and carbonate units which are distributed throughout the Garden Gulch-Douglas Creek- Basal Carbonate Members of the Green River Formation. On March 15, 2005, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name:	<u>Humpback Federal No. 7-24-8-17</u>
EPA Well ID Number:	<u>UT20852-06737</u>
Location:	739 ft FNL & 1849 ft FEL SW NE Sec. 24 - T8S - R17E Uintah County, Utah.

Pursuant to 40 Code of Federal Regulations (CFR) §144.33, UIC Humpback Area Permit No. UT20852-00000 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. UT20852-00000, and as modified. 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: June 14, 2006

Tracy M Engle for
Stephen S. Tuber

*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*

WELL-SPECIFIC REQUIREMENTS

Well Name: Humpback Federal No. 7-24-8-17

EPA Well ID Number: UT20852-06737

Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director: (II. C. Condition 2).

1. a successful Part I (Internal) Mechanical Integrity Test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram; and an EPA approved

Approved Injection Zone: **(II. C. Condition C. 4)**

Injection is approved between the top of the Green River Formation Garden Gulch Member (4205 feet) and the top of the Wasatch Formation (Estimated 6525 feet).

The Permittee has cited current Garden Gulch and Douglas Creek Members perforations proposed for enhanced recovery injection, i.e., gross 4770 feet - 6106 feet. The permittee is also authorized to perforate any additional intervals for enhanced recovery injection between the top of the Garden Gulch Member and the top of the Wasatch Formation during well conversion.

Determination of a Fracture Gradient: **(II. C. Condition 5. b. 1.)**

“Using sand fracture treatment data, the EPA will calculate the Maximum Allowable Injection Pressure (MAIP) for each treated (sand-frac) interval using the instantaneous shut-in pressure (ISIP) from that interval. The minimum injection pressure calculated shall be the initial maximum allowable injection pressure limit for that well.”

Of the four (4) sand/frac treatments conducted on the Humpback Federal No. 7-24-8-17, the minimum calculated fracture gradient (FG) is 0.660 psi/ft; a value in accord with FGs derived from Step-Rate Tests (SRT) in contiguous sections.

Maximum Allowable Injection Pressure (MAIP): **(II. C. Condition 5)**

The initial MAIP is **1370 psig**, based on the following calculation and a cited “top perforation”:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] D, \text{ where} \\ \text{FG} &= 0.660 \text{ psi/ft} \\ \text{SG} &= 1.005 \\ \text{D} &= 4770 \text{ ft (Top perforation depth)} \end{aligned}$$

$$\text{MAIP} = 1370 \text{ psig.}$$

UIC Area Permit No. UT20852-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a Step-Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction and Corrective Action:

(II. A).

Corrective Action is required. The permittee shall be required to conduct a Part II (External) Mechanical Integrity Test (MIT) within a 180-day period following commencement of injection. No 80% bond index cement bond is recognized in the annulus across the Confining Zone.

Tubing and Packer:

(II. A. Condition 3).

2-7/8" injection tubing is approved; the packer shall be set at a depth no more than 100 ft above the top perforation.

Corrective Action for Wells in Area of Review: No Corrective Action is required. The following Green River oil well, within the one-quarter (1/4) mile radius around the Humpback Federal No. 7-24-8-17, was evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs. Other than a weekly inspection of this location for surface injectate leakage no corrective action is required.

Humpback Federal 8-24-8-17

SW NE Section 24 - T8S - R17E

Demonstration of Mechanical Integrity:

(II. C. Condition 3).

A successful demonstration of Part I (Internal) Mechanical Integrity Test using a standard Casing-Tubing pressure test is required prior to injection and each at least once every five (5) years thereafter.

As the EPA is not able to establish an effective cement barrier to significant upward movement of fluids through vertical channels adjacent to the Confining Zone, pursuant to 40 CFR 146.8 (a)(2), the permittee shall conduct a Part II (External) Mechanical Integrity Test within a 180-day period of "Limited Authorization to Inject" and at least once every five (5) years thereafter.

Part II (External) Mechanical Integrity will be successfully demonstrated within a 180-day Limited Authorization to Inject period, which will begin on the date that injection began.

Demonstration of Financial Responsibility:

(II. F. Condition 1).

The applicant has demonstrated financial responsibility via an Annual Statement that has been reviewed and approved by the EPA. The Plugging and Abandonment cost has been estimated by the permittee to be \$32,500.

(II. E. Condition 2).

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. 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) at 4 675 feet. Place at least fifty (50) feet of cement plug on top of the CIBP.

PLUG NO. 2: Set a cement plug inside of the 5-1/2" casing from 1800 feet to 2200 feet across the top of the Green River Formation (1835 feet) and a water zone (2000 feet to 2200 feet).

PLUG NO. 3: Circulate Class "G" cement down the 5-1/2 inch casing to 358 feet, and up the 5-1/2 inch X 8-5/8 inch casings annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level. Set P&A marker. Submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

Reporting of Noncompliance:

(III. E.)

- (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:

(II. E.)

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: (II. E.).

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 202.267.2675, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>.

Other Noncompliance: (II. E.).

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

Other Information: (II. E.)

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 (2) weeks of the time such information became known to him.

WELL-SPECIFIC CONSIDERATIONS

Well Name: **Humpback Federal No. 7-24-8-17**

EPA Well ID Number: **UT20852-06737**

Current Status: The Humpback Federal No. 7-24-8-17 is a producing Garden Gulch and Douglas Creek Members oil well currently waiting on EPA authorization to complete/convert to a Class II Green River Formation enhanced recovery injection well.

Underground Sources of Drinking Water (USDWs): USDWs in the Humpback Area Permit generally occur within the Uinta Formation. According to the "*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 fifty (50) feet below ground surface.

<http://NRWRT1.NR.STATE.UT.US>: (Water Rights...Queries...POD). Within the one-quarter (1/4) mile Area-of-Review (AOR) around the Humpback Federal No. 7-24-8-17 there are no reservoirs, streams, springs, domestic or agricultural water wells.

Composition of Injectate and Formation Water: (Total Dissolved Solids [TDS])

- TDS of Garden Gulch-Douglas Creek Members - Green River Formation water: 13,980 mg/l (Analysis: 3/3/05).
- TDS of Johnson Water District Reservoir: 674 mg/l (Analysis: 1/10/05)

- TDS blended injectate: 7736 mg/l. Blended at pump facility with Source Water and Humpback Unit produced water (Analysis 3/3/05).

Confining Zone:

The Confining Zone is twenty-three (23) feet of shale between the depths of 4182 feet and 4205 feet (KB) which directly overlies the Garden Gulch Member of the Green River Formation.

Injection Zone:

(II. C. 4.)

The Injection Zone is an approximate 2320-foot section of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 4205 ft (KB) to the top of the Wasatch Formation (estimated to be 6525 feet KB). All formation and formation Member tops are based on correlation to the Federal No.1-26-8-17 Type Log (UT20702-04671), NE NW Sec. 26 - T8S - R17E.

Well Construction:

(II. A. 1.)

There is no 80% bond index cement bond across the Confining Zone annulus.

Surface Casing: 8-5/8" casing is set at 308 (KB) in a 12-1/4" hole, using 150 sacks of cement which was circulated to the surface.

Longstring: 5-1/2" casing is set at 6488 feet (KB) in a 7-7/8" hole and secured with 900 sacks of cement. Calculated top of cement (TOC) by EPA: 667 feet.

Perforations: Gross Perforations: 4770 feet to 6106 feet.

Step-Rate Test (SRT):

(II. C. 2. d.)

A Step-Rate Test may be required to confirm that the initial maximum authorized injection pressure (MAIP), based on sand/frac treatments, is appropriate to ensure that pressure during injection will not initiate new fractures or propagate existing fractures in the confining zone.

Wells in Area of Review (AOR):

The permittee shall observe the surface location of the single well cited below for surface leakage on a weekly basis. Should such injectate contamination be observed at the surface, the permittee shall immediately suspend injection into the Humpback Federal No.7-24-8-17. The Humpback Federal No. 7-24-8-17 will stay suspended until the noncompliance has been resolved. Renewed injection shall be authorized by letter from the Director.

Humpback Federal 8-24-8-17

SW NE Section 24 - T8S - R17E



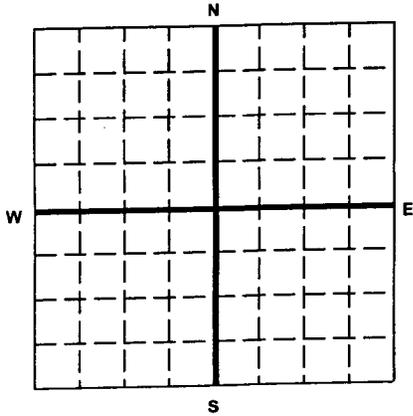
United States Environmental Protection Agency
Washington, DC 20460

WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on
Section Plat - 640 Acres



State	County	Permit Number
Surface Location Description ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township ___ Range ___		
Locate well in two directions from nearest lines of quarter section and drilling unit		
Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.		
WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage Lease Name	Total Depth Before Rework	TYPE OF PERMIT <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells ____ Well Number
	Total Depth After Rework	
	Date Rework Commenced	
	Date Rework Completed	

WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Signature

Date Signed

Humpback Federal 7-24-8-17

Spud Date: 5/18/04
 Put on Production: 7/21/04
 GL: 4987' KB: 4999'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24# *Base USOW 2 < 50'*
 LENGTH: 7 jts. (298.32')
 DEPTH LANDED: 308.32' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt. est 1.5 bbls cmt to surf.

FRAC JOB

7/14/04 6054'-6106' **Frac CP2,1 sands as follows:**
 59,476# 20/40 sand in 504 bbls Lightning 17
 Frac fluid. Treated @ avg press of 1556 psi
 w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc
 flush: 6052 gal. Actual flush: 6052 gal.

7/14/04 5402'-5412' **Frac C sands as follows:**
 34,928# 20/40 sand in 439 bbls Lightning 17
 Frac fluid. Treated @ avg press of 1020 psi
 w/avg rate of 24.7 BPM. ISIP 1220 psi. Calc
 flush: 5400 gal. Actual flush: 5439 gal.

7/15/04 5211'-5331' **Frac D sands as follows:**
 29,525# 20/40 sand in 314 bbls Lightning 17
 Frac fluid. Treated @ avg press of 1400 psi
 w/avg rate of 24.7 BPM. ISIP 1700 psi. Calc
 flush: 5209 gal. Actual flush: 5208 gal.

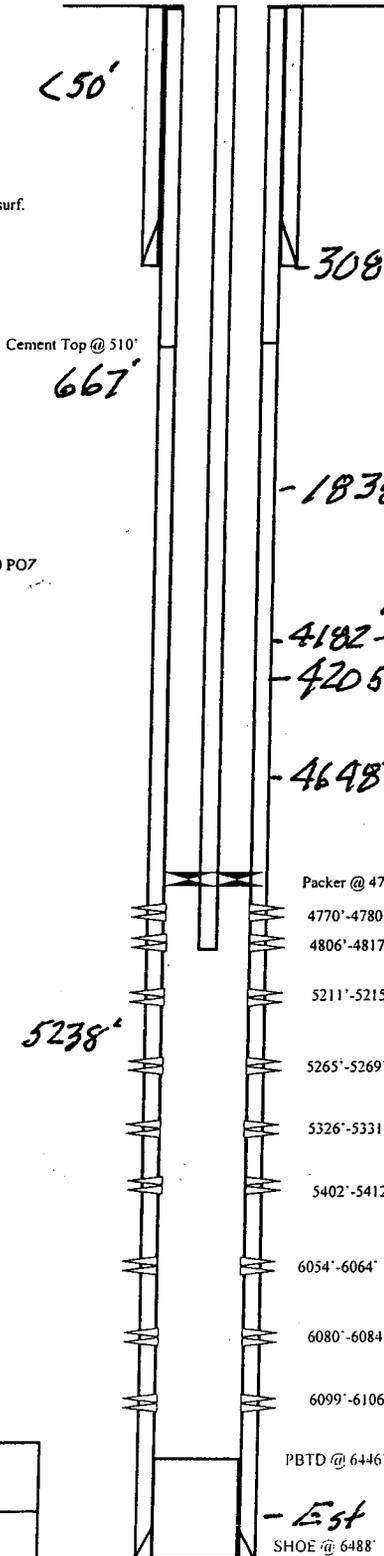
7/15/04 4770'-4817' **Frac PB7 and GB6 sands as follows:**
 96,058# 20/40 sand in 662 bbls Lightning 17
 Frac fluid. Treated @ avg press of 1730 psi
 w/avg rate of 24.8 BPM. ISIP 2020 psi. Calc
 flush: 4768 gal. Actual flush: 4683 gal.

PRODUCTION CASING

CSG SIZE: 5-1/2" *EPA/TOL 667'*
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 152 jts. (6490.59')
 DEPTH LANDED: 6488.59' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 450 sxs Prem. Lite II mixed & 450 sxs 50/50 PO7
 CEMENT TOP AT: 510'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 186 jts (6019.17')
 TUBING ANCHOR: 6031.67' KB
 NO. OF JOINTS: 2 jts (65 00')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 6099.47' KB
 NO. OF JOINTS: 1 jts (32.50')
 TOTAL STRING LENGTH: EOT @ 6133.52' W/12.5' KB



- 1838' Green River

*- 4102-4205 Confining Zone
 - 4205 Garden Gulch*

- 4648-4668 TOP 80% BOND

Douglas Creek 5238'

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
7/08/04	6099'-6106'	4 JSPF	28 holes
7/08/04	6080'-6084'	4 JSPF	16 holes
7/08/04	6054'-6064'	4 JSPF	40 holes
7/14/04	5402'-5412'	4 JSPF	40 holes
7/14/04	5326'-5331'	4 JSPF	20 holes
7/14/04	5265'-5269'	4 JSPF	16 holes
7/14/04	5211'-5215'	4 JSPF	16 holes
7/15/04	4806'-4817'	4 JSPF	44 holes
7/15/04	4770'-4780'	4 JSPF	40 holes

NEWFIELD
Humpback Federal 7-24-8-17
739' FNL & 1814' FEL
SW/NE Section 24-T8S-R17E
Uintah Co, Utah
API #43-047-34886 . Lease #UTU-45431

- Est 6430 Baral Carbonate

Est 6525 Wasatch



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 300
DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 37
Demonstrating Part II (external) Mechanical Integrity
for a Class II injection well permit.

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

During the review for a Class II injection well permit, consideration must be given to the mechanical integrity (MI) of the well. MI demonstrates that the well is in sound condition and that the well is constructed in a manner that prevents injected fluids from entering any formation other than the authorized injection formation.

A demonstration of MI is a two part process:

PART I - INTERNAL MECHANICAL INTEGRITY is an assurance that there are no significant leaks in the casing/tubing/packer system.

PART II - EXTERNAL MECHANICAL INTEGRITY demonstrates that after fluid is injected into the formation, the injected fluids will not migrate out of the authorized injection interval through vertical channels adjacent to the wellbore.

A Class II injection well may demonstrate Part II MI by showing that injected fluids remain within the authorized injection interval. This may be accomplished as follows:

- 1) Cement bond log showing 80% bond through the an appropriate interval (Section Guidance 34),
- 2) Radioactive tracer survey conducted according to a EPA-approved procedure, or
- 3) Temperature survey conducted according to a EPA-approved procedure (Section Guidance 38).

For each test option above, the operator of the injection well should submit a plan for conducting the test. The plan will then be approved (or modified and approved) by EPA. EPA's pre-approval of the testing method will assure the operator that the

test is conducted consistent with current EPA guidance, and that the test will provide meaningful results.

Part II MI may be demonstrated either before or after issuing the Final Permit. However, if Part II is to be demonstrated after the Final Permit is issued, a provision in the permit will require the demonstration of Part II MI. The well will also be required to pass Part II MI prior to granting authorization to inject.

Radioactive tracer surveys and temperature surveys require that the well be allowed to inject fluids as part of the procedure. In these cases, a well that has shown no other demonstration of Part II MI will be allowed to inject only that volume of fluid that is necessary to conduct the appropriate test.

After the results of the test proves that the well has passed Part II MI, the well will be given authorization to begin full injection operations.

If any of the tests show a lack of Part II MI, the well will be repaired and retested, or plugged (See Headquarters Guidance #76).

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: ____ / ____ / ____

Test conducted by: _____

Others present: _____

Well Name: _____	Type: ER SWD	Status: AC TA UC
Field: _____		
Location: _____	Sec: ____ T ____ N/S R ____ E/W	County: _____ State: ____
Operator: _____		
Last MIT: ____ / ____ / ____	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: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	psig	psig	psig
End of test pressure	psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	psig	psig	psig
5 minutes	psig	psig	psig
10 minutes	psig	psig	psig
15 minutes	psig	psig	psig
20 minutes	psig	psig	psig
25 minutes	psig	psig	psig
30 minutes	psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
RESULT	<input 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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500

DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39

Pressure testing injection wells for Part I (internal)
Mechanical Integrity

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f) (2) and 40 CFR 144.51 (q) (1)). A well has mechanical integrity (40 CFR 146.8) if:

- (1) There is no significant leak in the tubing, casing or packer; and
- (2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the downhole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which

would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

Pressure Test Description

Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate. Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;
2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);
3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;
4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter

depending on well specific conditions (See Region VIII UIC Section Guidance #36);

5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and
6. Class III uranium extraction wells; initially.

Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.

Test Criteria

1. The duration of the pressure test is 30 minutes.
2. Both the annulus and tubing pressures should be monitored and recorded every five (5) minutes.
3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.
4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed.

Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording

chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.
2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.
3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.
4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.
5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

6. Read tubing pressure and record on the form. If the

well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.

7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.
8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.
9. Hook-up well to pressure source and apply pressure until test value is reached.
10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.
11. Record tubing and annulus pressure values every five (5) minutes.
12. At the end of the test, record the final tubing pressure.
13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.
14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

-
15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.
 16. Return to office and prepare follow-up.

Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these exceptional or extraordinary conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: ____/____/____

Test conducted by: _____

Others present: _____

Well Name: _____	Type: ER SWD	Status: AC TA UC
Field: _____		
Location: _____	Sec: _____	T _____ N/S R _____ E/W County: _____ State: _____
Operator: _____		
Last MIT: ____/____/____	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: _____ psig

MIT DATA TABLE

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
U-45431

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:
HUMPBAC UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
HUMPBAC 7-24-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304734886

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 739 FNL 1814 FEEL COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 24, T8S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/31/2006	<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 checked="" type="checkbox"/> OTHER: - Injection Conversion
	<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 was converted from a producing oil well to an injection well on 7/31/06. On 8/8/06 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 8/10/06. On 8/10/06 the csg was pressured up to 1540 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-06737 API #43-047-34886

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

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk

SIGNATURE *Callie Duncan* DATE 08/18/2006

(This space for State use only)

AUG 21 2006

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 08/10/06
 Test conducted by: Dale Giles
 Others present: _____

Well Name: <u>Humpback Fed. 7-24-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Humpback Unit</u>		
Location: _____	Sec: <u>24 T 8 N 10 R 17 E</u> W	County: <u>Uintah</u> State: <u>WY</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1/1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>500</u> psig	psig	psig
End of test pressure	<u>500</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1540</u> psig	psig	psig
5 minutes	<u>1540</u> psig	psig	psig
10 minutes	<u>1540</u> psig	psig	psig
15 minutes	<u>1540</u> psig	psig	psig
20 minutes	<u>1540</u> psig	psig	psig
25 minutes	<u>1540</u> psig	psig	psig
30 minutes	<u>1540</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input 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: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
Utah 45431

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement. Name and/or
HUMPBAC UNIT

8. Well Name and No.
HUMPBAC 7-24-8-17

9. API Well No.
4304734886

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
UINTAH, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

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)
739 FNL 1814 FEEL
SWNE Section 24 T8S R17E

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, Put Well on Injection	
	<input checked="" type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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

The above referenced well was put on injection at 3:00 p.m. on 9/26/06.

EPA UIC #UT20852-06737

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

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Mandie Crozier

Signature *Mandie Crozier*

Title
Regulatory Specialist

Date
09/28/2006

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 reverse)

RECEIVED
SEP 29 2006
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-45431
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or HUMPBAC UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 739 FNL 1814 FEEL SWNE Section 24 T8S R17E		8. Well Name and No. HUMPBAC FEDERAL 7-24-8-17
		9. API Well No. 4304734886
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State UINTAH, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<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	Step Rate Test _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate 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 recomplate 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.)

A step rate test was conducted on the subject well on January 31, 2007. Results from the test indicate that the fracture gradient is .732 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1395 psi.

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Chevenne Bateman	Title Well Analyst Foreman
Signature 	Date 02/05/2007

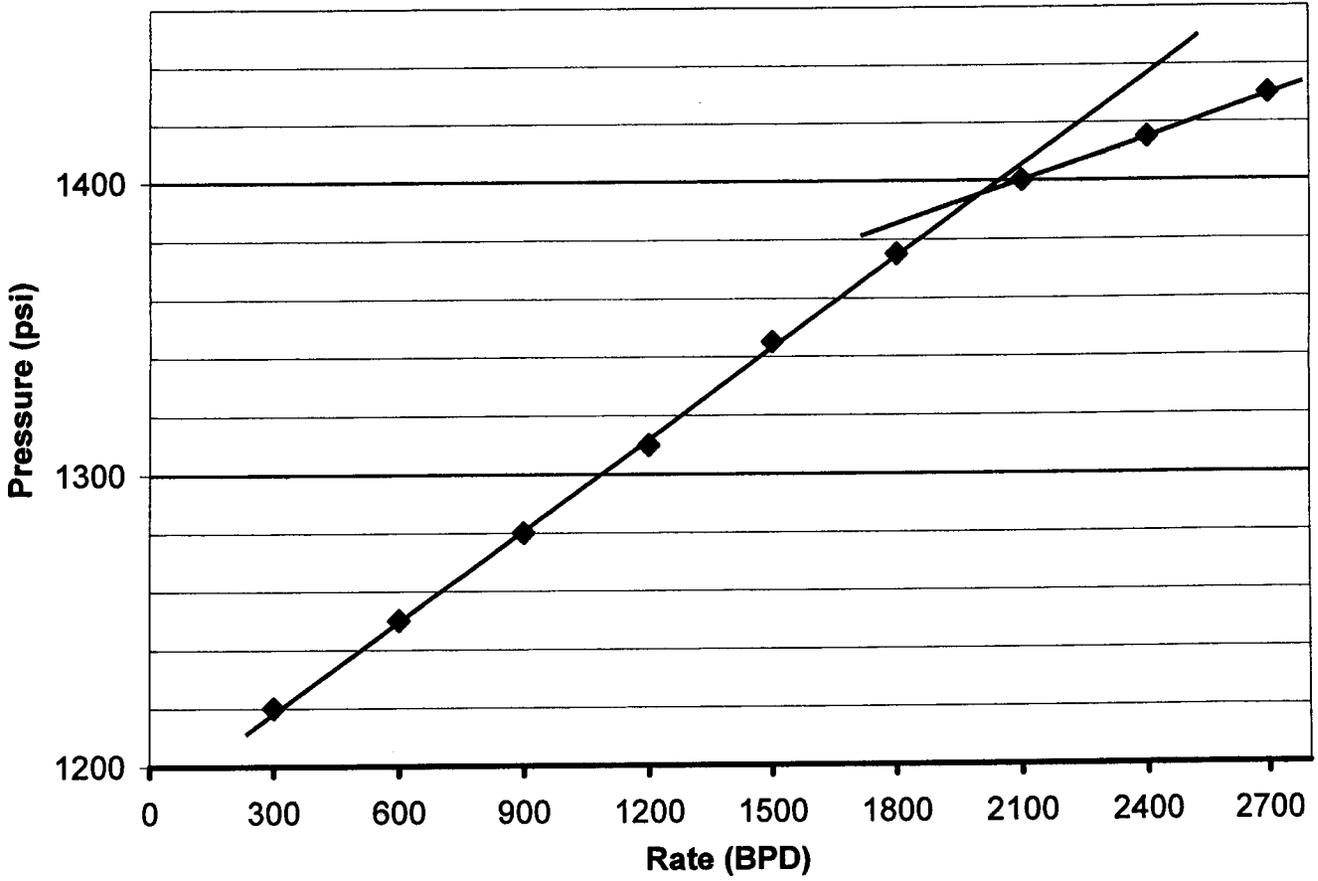
Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

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

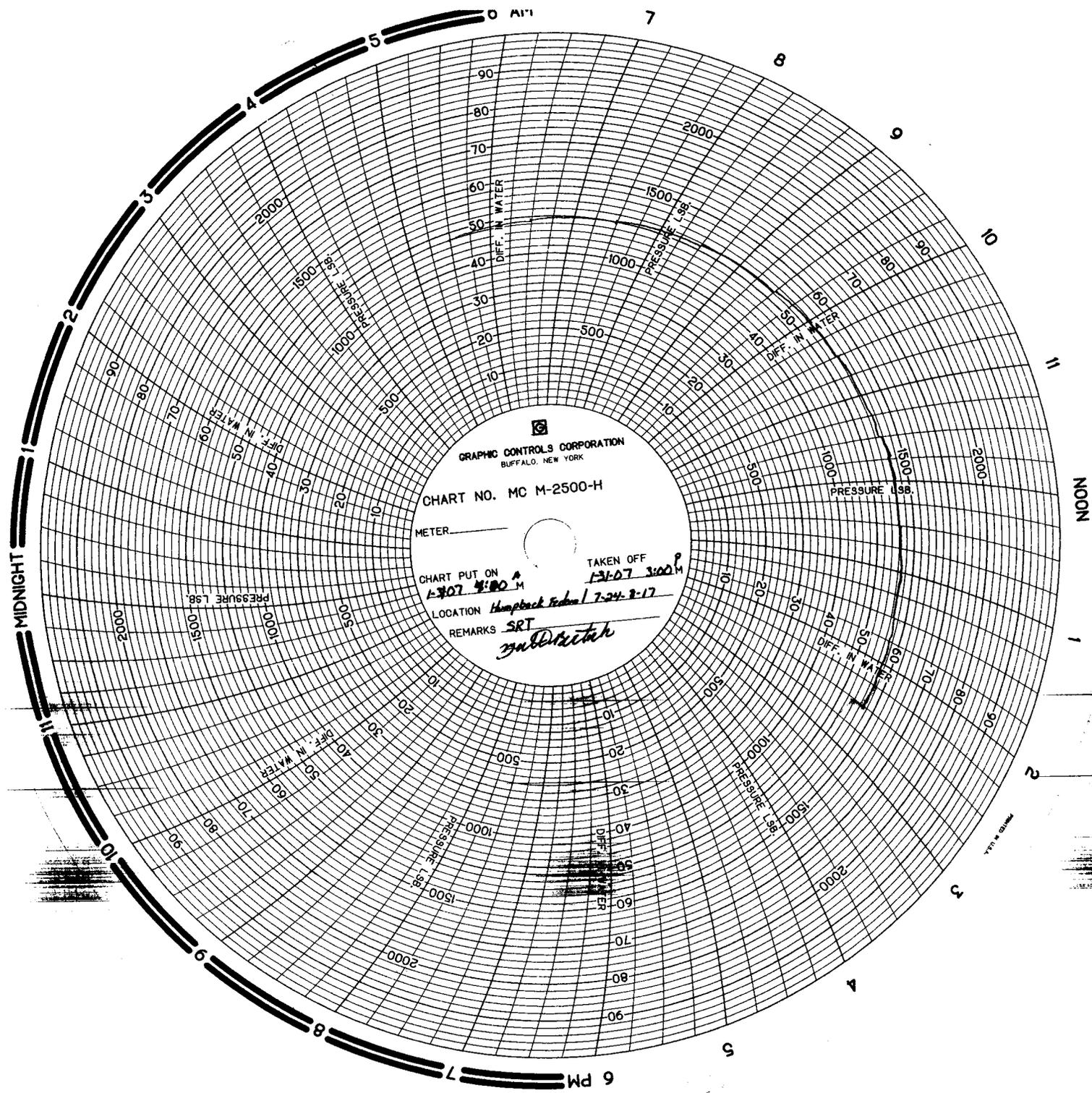
(Instructions on reverse)

RECEIVED
FEB 08 2007
DIV. OF OIL, GAS & MINING

Humpback Federal 7-24-8-17
Humpback Unit
Step Rate Test
January 31, 2007



		<u>Step</u>	<u>Rate(bpd)</u>	<u>Pressure(psi)</u>
Start Pressure:	1200 psi	1	300	1220
Instantaneous Shut In Pressure (ISIP):	1410 psi	2	600	1250
Top Perforation:	4770 feet	3	900	1280
Fracture pressure (Pfp):	1395 psi	4	1200	1310
FG:	0.732 psi/ft	5	1500	1345
		6	1800	1375
		7	2100	1400
		8	2400	1415
		9	2700	1430



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER _____

CHART PUT ON
1-30-07 4:00 A

TAKEN OFF
1-31-07 3:00 P

LOCATION *Hempback Station / 7-24-8-17*

REMARKS *SRT*
galdonctek

MIDNIGHT

NOON

6 PM

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-45431
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: HUMBACK FED 7-24-8-17	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43047348860000	
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
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0739 FNL 1814 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 08.0S Range: 17.0E Meridian: S	COUNTY: UINTAH	
		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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/26/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 07/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 07/26/2011 the casing was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1250 psig during the test. There was not an EPA representative available to witness the test.</p> <p style="text-align: center;">EPA# UT20852-06737</p>		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/1/2011	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 7/26/11
 Test conducted by: Lynn Manson
 Others present: _____

Well Name: <u>Hampack Federal 7-24-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/NE</u> Sec: <u>24</u> T <u>8</u> N <u>18</u> R <u>17</u> (E) W	County: <u>Uintah</u>	State: <u>Ut.</u>
Operator: <u>New Field</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

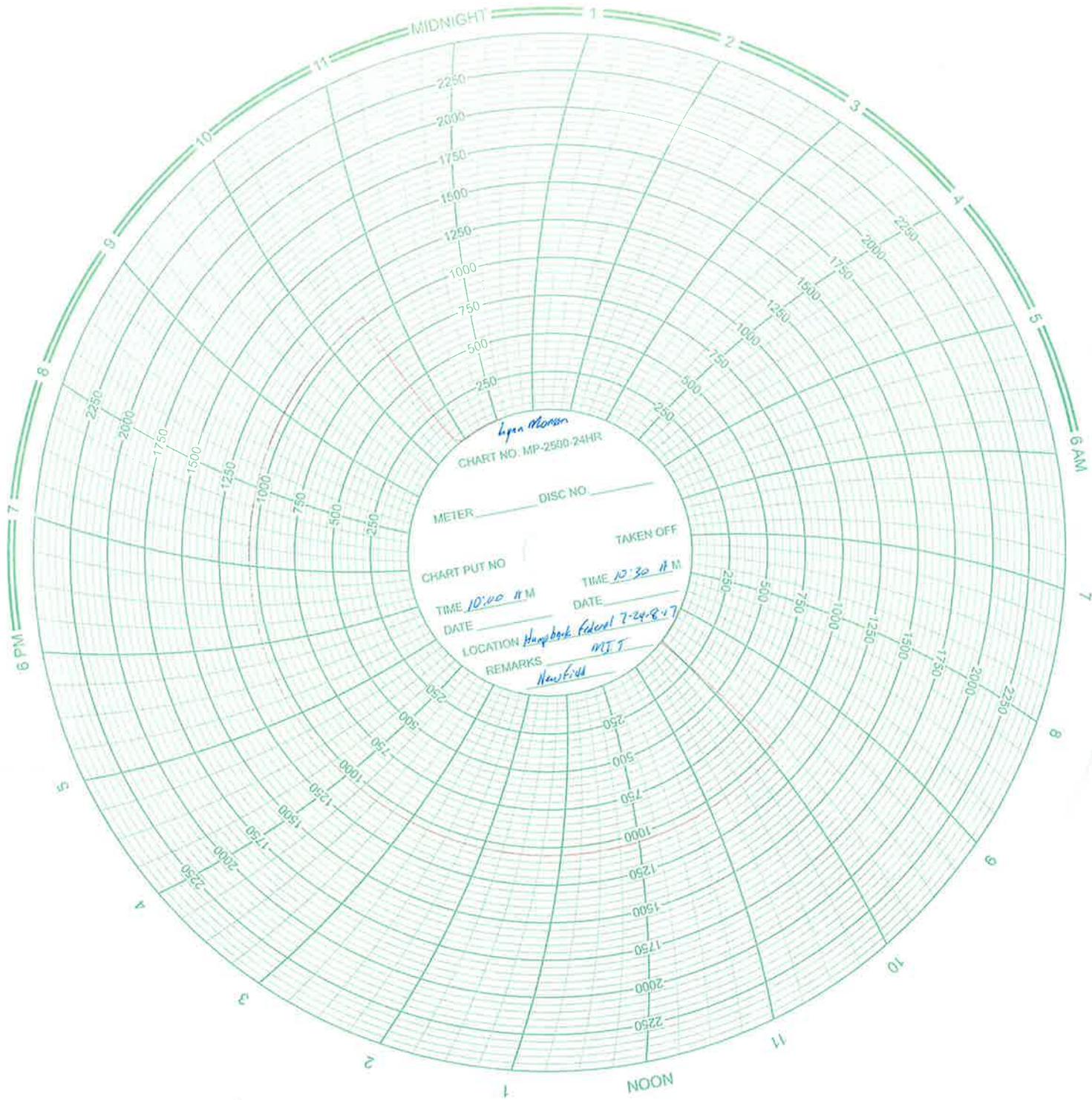
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1255</u> psig	psig	psig
End of test pressure	<u>1250</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1050</u> psig	psig	psig
5 minutes	<u>1050</u> psig	psig	psig
10 minutes	<u>1050</u> psig	psig	psig
15 minutes	<u>1050</u> psig	psig	psig
20 minutes	<u>1050</u> psig	psig	psig
25 minutes	<u>1050</u> psig	psig	psig
30 minutes	<u>1050</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-45431	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	8. WELL NAME and NUMBER: HUMPBACK FED 7-24-8-17
1. TYPE OF WELL Water Injection Well	9. API NUMBER: 43047348860000
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0739 FNL 1814 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 08.0S Range: 17.0E Meridian: S	COUNTY: UINTAH 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: 6/24/2016	<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: 50px;" 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 06/24/2016 the casing was pressured up to 1527 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1211 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-06737

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 June 28, 2016

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/27/2016	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 6/24/2016
 Test conducted by: Dustin Bennett
 Others present: _____

Well Name: <u>Hemp Back Federal 7-24-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/NE</u> Sec: <u>24</u> T: <u>8</u> N/S: <u>R 17</u> E/W County: <u>Uintah</u> State: <u>UT</u>		
Operator: <u>Natural Exports</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1333</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: 1529 / 1211 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1211</u> psig	psig	psig
End of test pressure	<u>1211</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1529</u> psig	psig	psig
5 minutes	<u>1528</u> psig	psig	psig
10 minutes	<u>1529</u> psig	psig	psig
15 minutes	<u>1528</u> psig	psig	psig
20 minutes	<u>1528</u> psig	psig	psig
25 minutes	<u>1528</u> psig	psig	psig
30 minutes	<u>1527</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

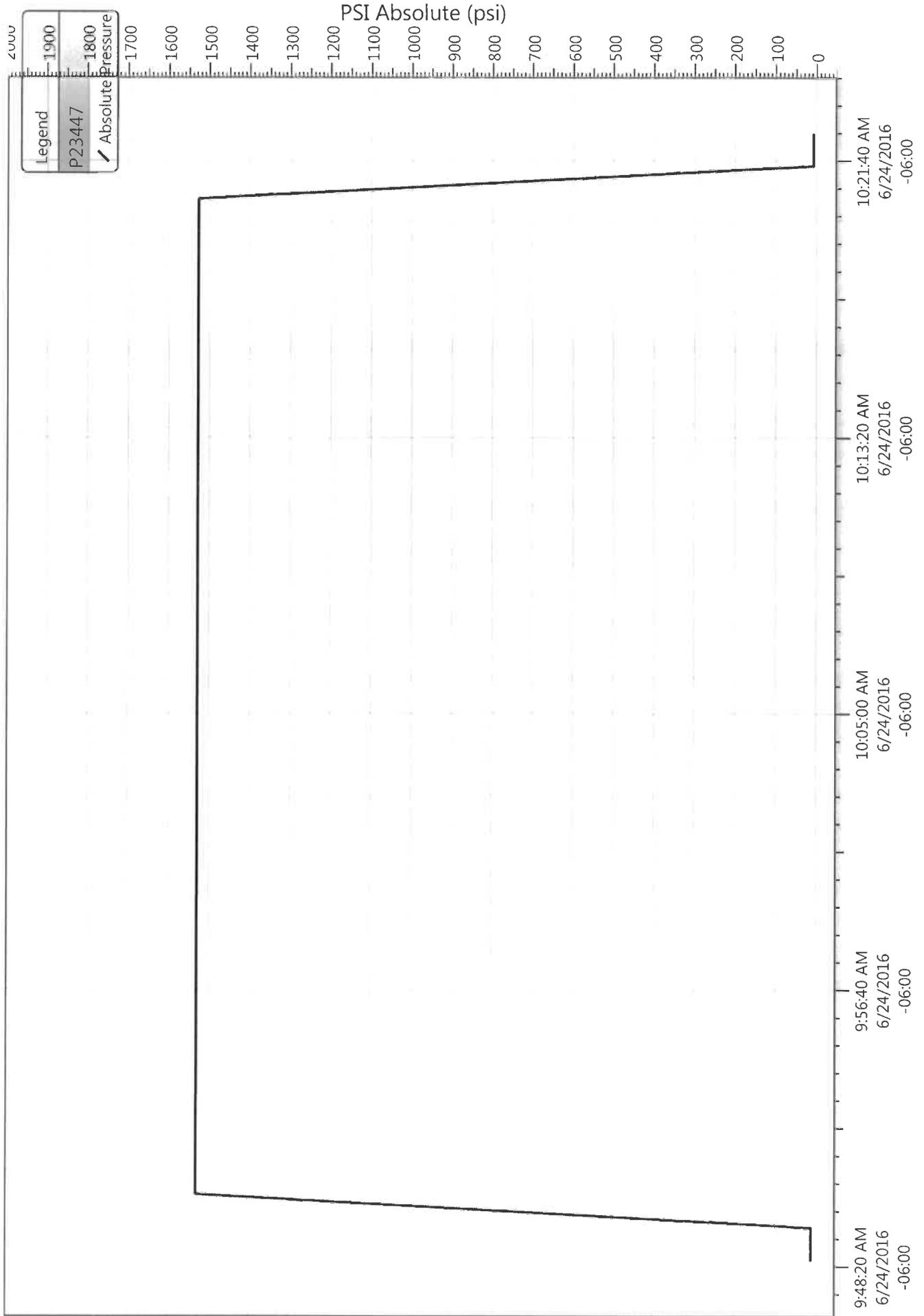
MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

HUMPBACK Federal 7 24 8 17 (6-24-2016 5yr MIT)

6/24/2016 9:47:11 AM



Spud Date: 05/18/04
 Put on Production: 07/21/04
 K.B. 4999' G.L. 4987'

Humpback Federal 7-24-8-17

Injection Wellbore Diagram

SURFACE CASING

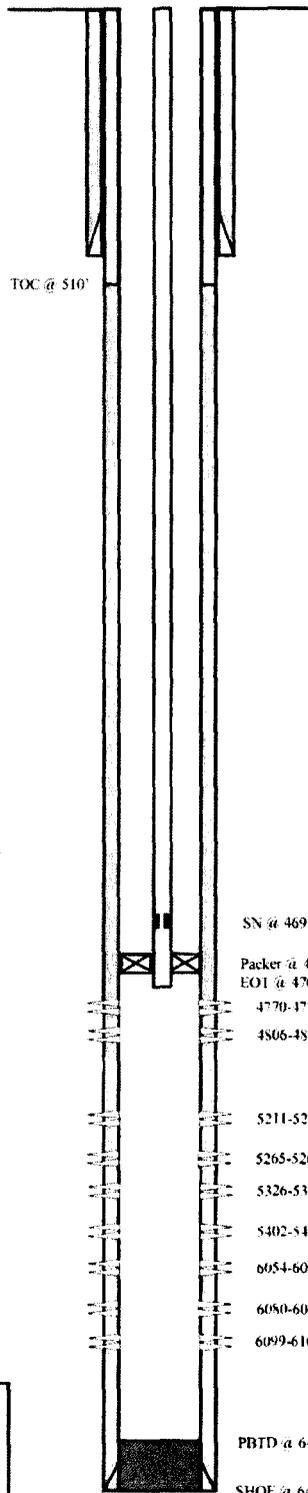
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (298.32')
 DEPTH LANDED: 305.32' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G", est 1.5 bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 152 jts. (6490.59')
 DEPTH LANDED: 6488.59'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 450 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 510'

TUBING

SIZE GRADE WT.: 2-7/8" J-55 76.5#
 NO. OF JOINTS: 145 jts. (4684.92')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4697.42' KB
 PACKER AT: 4702'
 TOTAL STRING LENGTH: EOI @ 4765.92' w/ 12.5' KB



FRAC JOB

7/14/04 6054-6106' **Frac CP1, 1, sands as follows:**
 59476# 20/40 sand in 504 bbls Lightning 17 frac fluid. Treated @ avg press of 1556 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 6052 gal. Actual flush: 6052 gal.

7/14/04 5402-5412' **Frac C' sands as follows:**
 34928# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated @ avg press of 1020 psi w/avg rate of 24.7 BPM. ISIP 1220 psi. Calc flush: 5400 gal. Actual flush: 5439 gal.

7/15/04 5211-5331' **Frac D' sands as follows:**
 29525# 20/40 sand in 314 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 1700 psi. Calc flush: 5209 gal. Actual flush: 5208 gal.

7/15/16 4770-4817' **Frac PB7 sands as follows:**
 96058# 20/40 sand in 662 bbls Lightning 17 frac fluid. Treated @ avg press of 1730 psi w/avg rate of 24.8 BPM. ISIP 2020 psi. Calc flush: 4768 gal. Actual flush: 4683 gal.

03/30/06 **Pump change.** Update rod & tubing details.
 7/31/06 **Convert to Injection Well**
 8/18/06 **Conversion MIT Finalized** update lbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
07/08/04	6099-6106'	4 JSPF	28 holes
07/08/04	6080-6084'	4 JSPF	16 holes
07/08/04	6054-6064'	4 JSPF	40 holes
07/14/04	5402-5412'	4 JSPF	40 holes
07/14/04	5326-5331'	4 JSPF	20 holes
07/14/04	5265-5269'	4 JSPF	16 holes
07/14/04	5211-5215'	4 JSPF	16 holes
07/15/04	4806-4817'	4 JSPF	44 holes
07/15/04	4770-4780'	4 JSPF	40 holes

NEWFIELD

Humpback Federal 7-24-8-17
 739' FNL & 1814' FEL
 SW/NE Section 24-T8S-R17E
 Uintah Co. Utah
 API #43-047-34886; Lease #UTU-45431