



April 15, 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: Federal 2-6, 3-6, 5-6, 6-6, 7-6, 8-6, 13-6, and
14-6-9-18.

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
Regulatory Specialist

mc
enclosures

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APR 17 2003

DIV. OF OIL, GAS & MINING

001

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. UTU-65970	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Inland Production Company			7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721			8. FARM OR LEASE NAME WELL NO. Federal #3-6-9-18	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface NE/NW 970' FNL 1967' FWL 4435240Y 40.06444 At proposed Prod. Zone 590579X -109.93789			9. API WELL NO. 43-047-34425	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 18.0 miles southeast of Myton, Utah			10. FIELD AND POOL OR WILDCAT Eight Mile Flat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 970' f/lse line	16. NO. OF ACRES IN LEASE 1,036.24	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. 1086'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4955' 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.

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 M. Handie Crozier TITLE Regulatory Specialist DATE 4/15/03

(This space for Federal or State office use)

PERMIT NO. 43-047-34425 APPROVAL DATE 05-06-03

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III DATE 05-06-03

*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.

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APR 17 2003

DIV. OF OIL, GAS & MINING

T9S, R18E, S.L.B.&M.

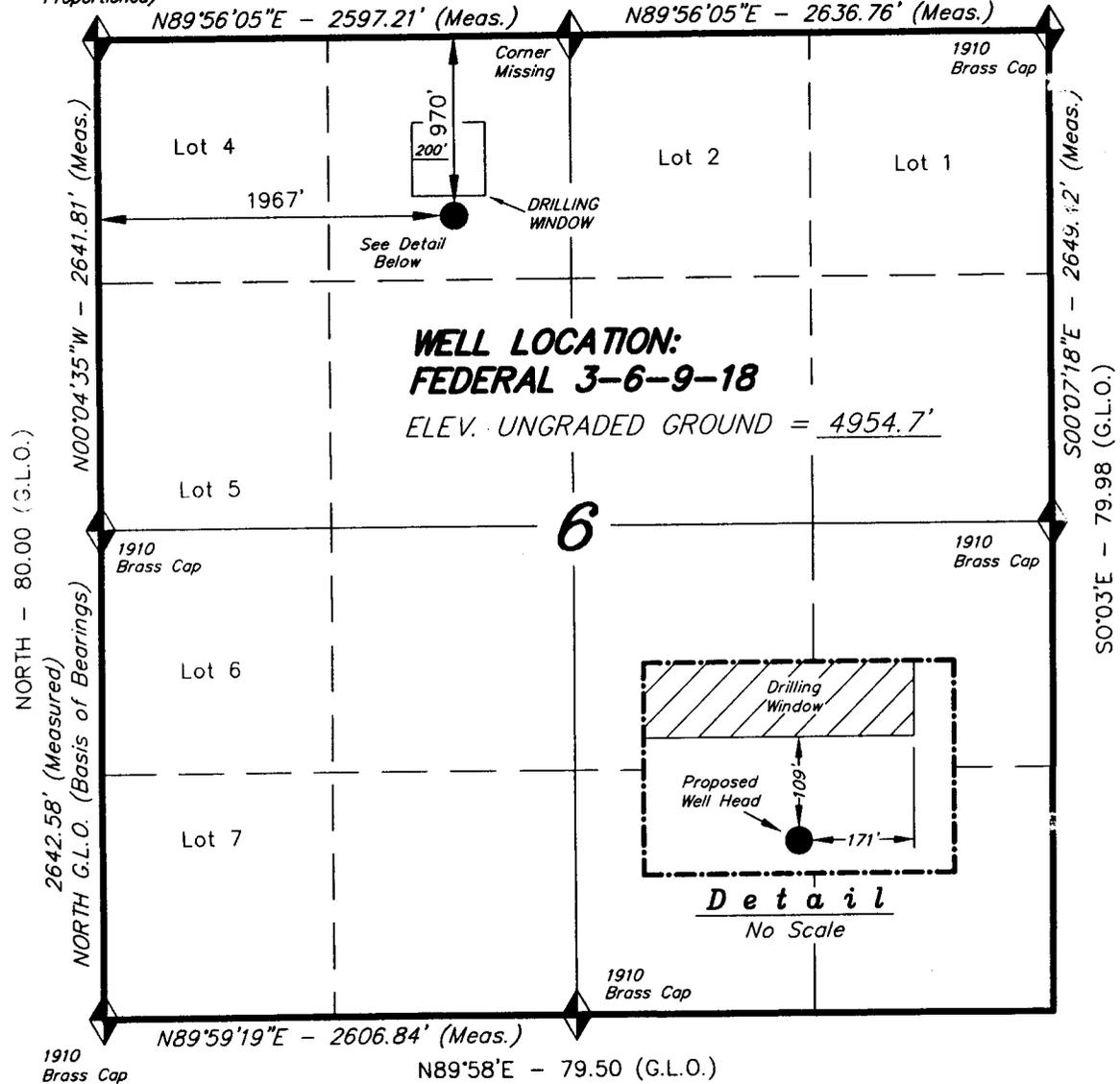
INLAND PRODUCTION COMPANY

Corner Missing:
(Position Double
Proportioned)

N89°59'E - 79.40 (G.L.O.)

N89°56'05"E - 2597.21' (Meas.)

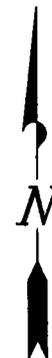
N89°56'05"E - 2636.76' (Meas.)



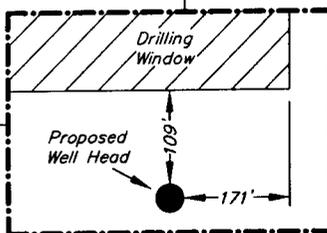
WELL LOCATION, FEDERAL 3-6-9-18,
LOCATED AS SHOWN IN NE 1/4 OF
SECTION 6, T9S, R18E, S.L.B.&M. UINTAH
COUNTY, UTAH.

**WELL LOCATION:
FEDERAL 3-6-9-18**

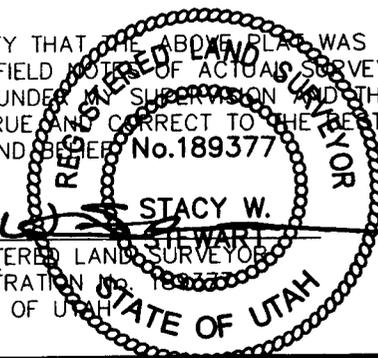
ELEV. UNGRADED GROUND = 4954.7'



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF No.189377



Detail
No Scale



TRI STATE LAND SURVEYING & CONSULTING

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

◆ = SECTION CORNERS LOCATED

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

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 3-4-03	DRAWN BY: J.R.S.
NOTES:	FILE #

**INLAND PRODUCTION COMPANY
FEDERAL #3-6-9-18
NE/NW SECTION 6, T9S, R18E
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
FEDERAL #3-6-9-18
NE/NW SECTION 6, T9S, R18E
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 Federal # 3-6-9-18 located in the NE 1/4 NW 1/4 Section 6, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 15.3 miles ± to it's junction with an existing dirt road to the northeast; proceed northeasterly - 0.9 miles ± to the beginning of a two track road to be upgraded; proceed along this road - 1.2 miles ± to it's junction with the beginning of the proposed access road; proceed northerly and then westerly along the proposed access road 1,145' ± 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 Federal #3-6-9-18 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 Federal #3-6-9-18 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 #3-6-9-18 NE/NW Section 6, Township 9S, Range 18E: Lease UTU-65970 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.

4/15/03

Date

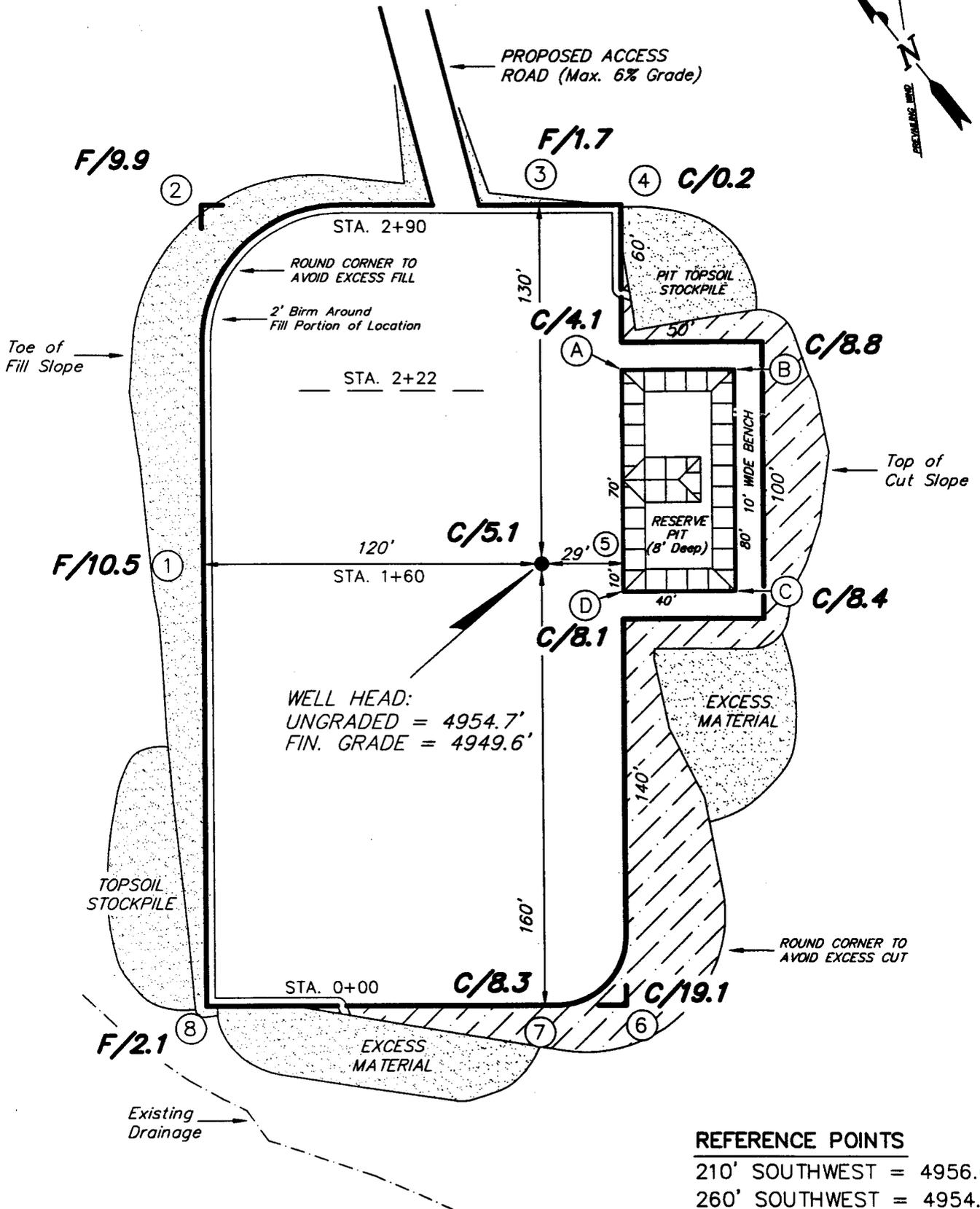
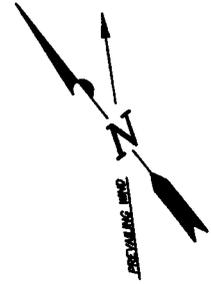


Mandie Crozier
Permit Clerk

INLAND PRODUCTION COMPANY

FEDERAL 3-6-9-18

Section 6, T9S, R18E, S.L.B.&M.



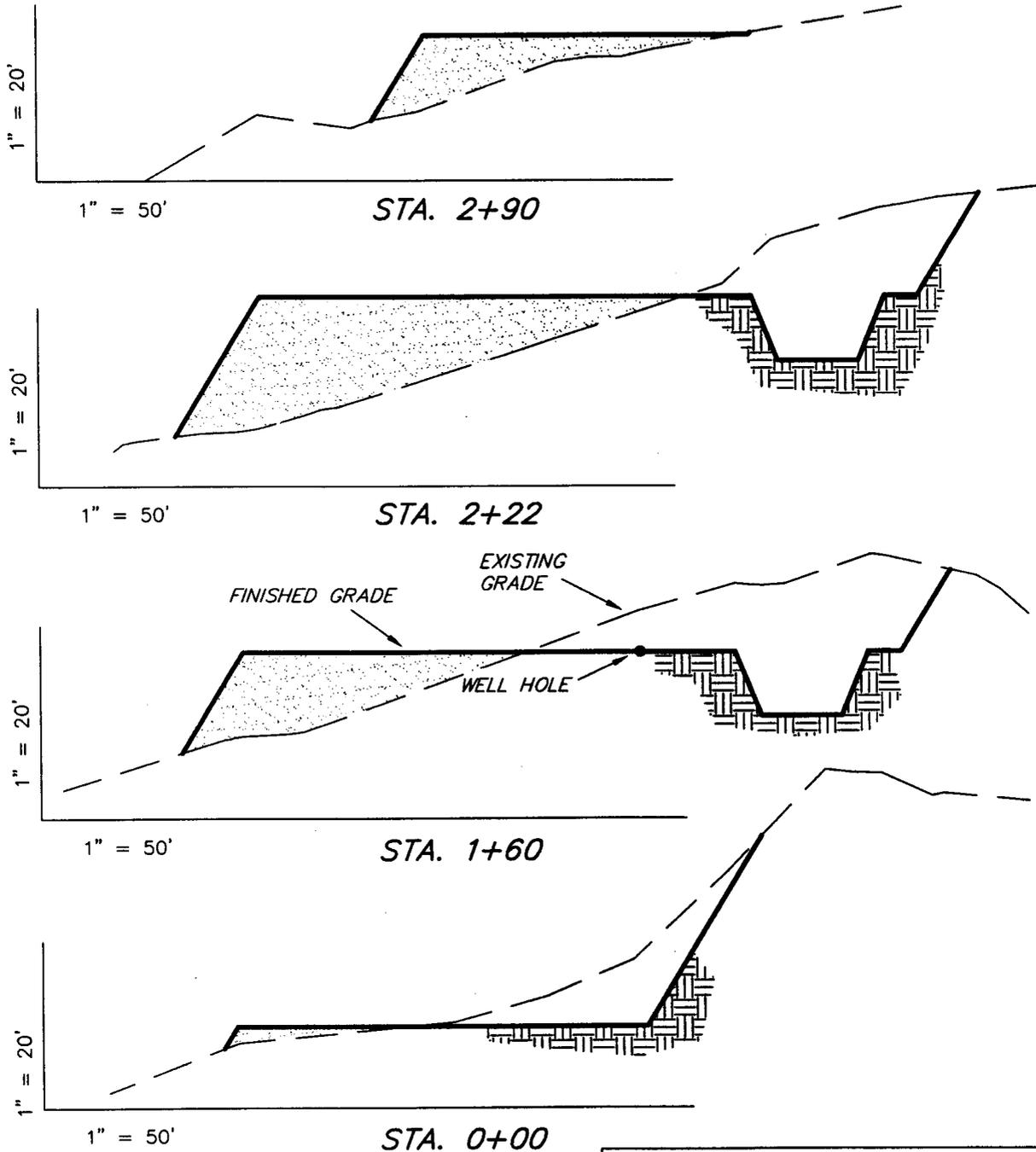
REFERENCE POINTS
 210' SOUTHWEST = 4956.6'
 260' SOUTHWEST = 4954.3'

SURVEYED BY: K.G.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: J.R.S.	DATE: 3-4-03	

INLAND PRODUCTION COMPANY

CROSS SECTIONS

FEDERAL 3-6-9-18



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

ESTIMATED EARTHWORK QUANTITIES (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	7,880	7,880	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	8,520	7,880	890	640

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

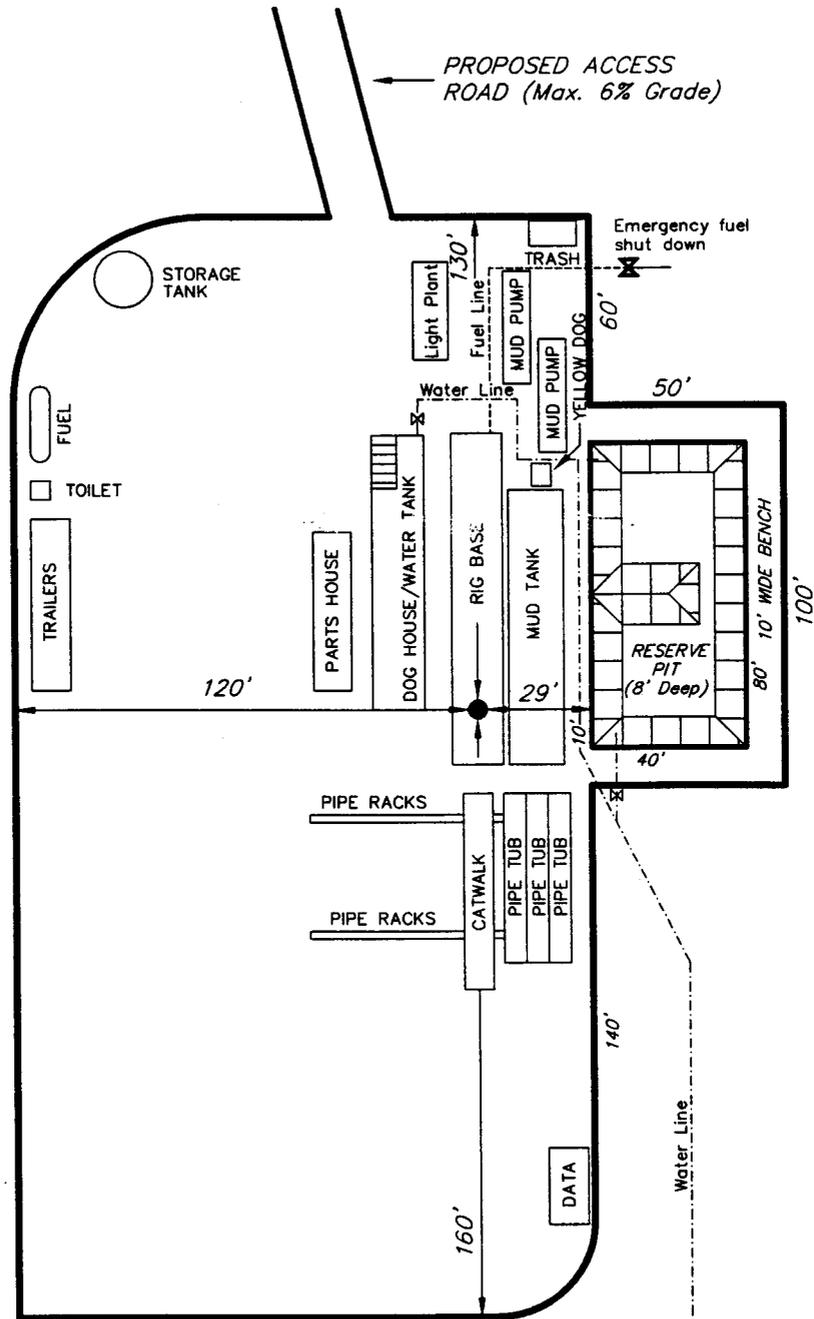
DATE: 3-4-03

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

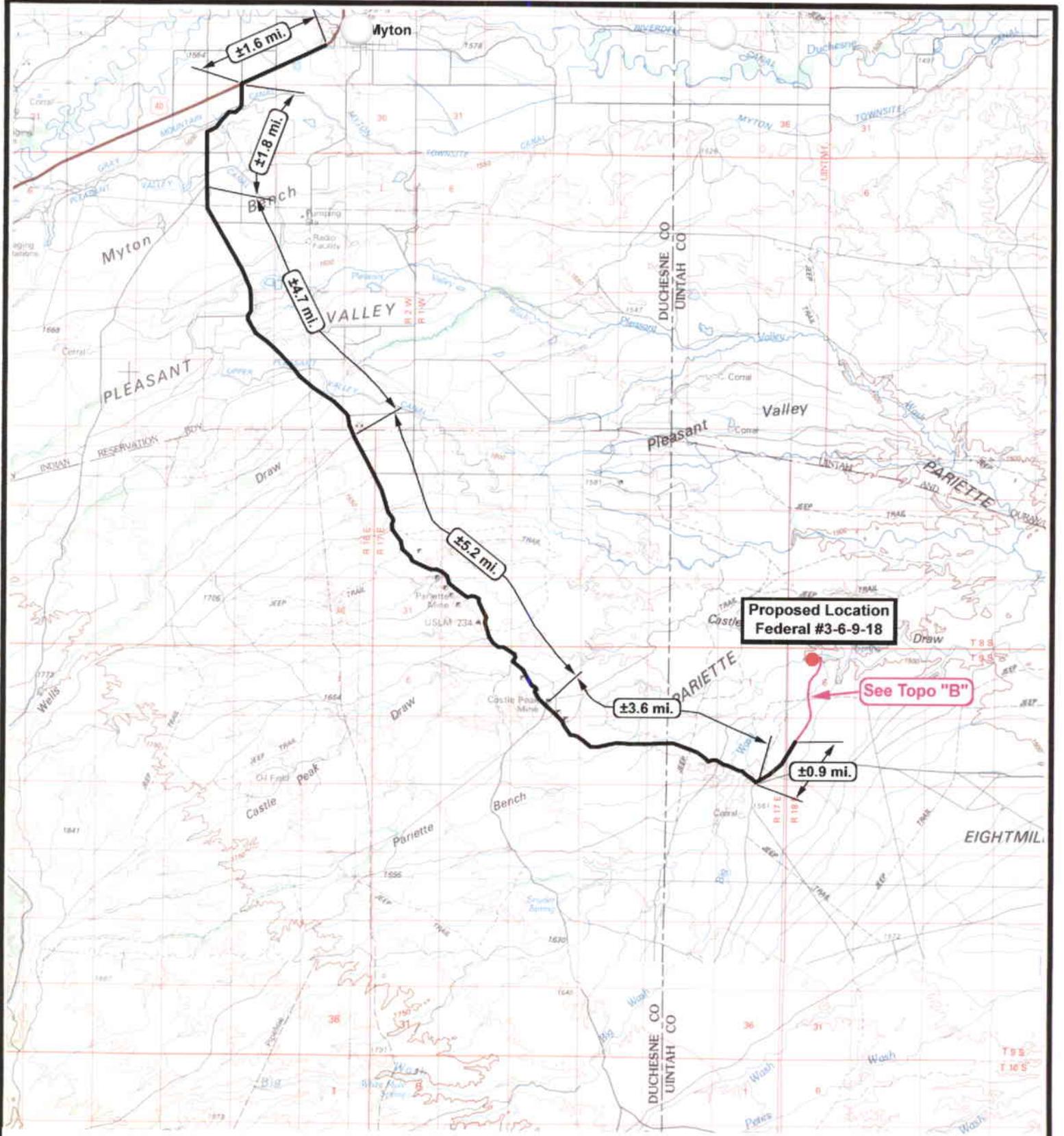
INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

FEDERAL 3-6-9-18



SURVEYED BY: K.G.S.	SCALE: 1" = 50'	 (435) 781-2501 38 WEST 100 NORTH VERNAL, UTAH 84078
DRAWN BY: J.R.S.	DATE: 3-4-03	



**Proposed Location
Federal #3-6-9-18**

See Topo "B"



**Federal #3-6-9-18
SEC. 6, T9S, R18E, S.L.B.&M.**

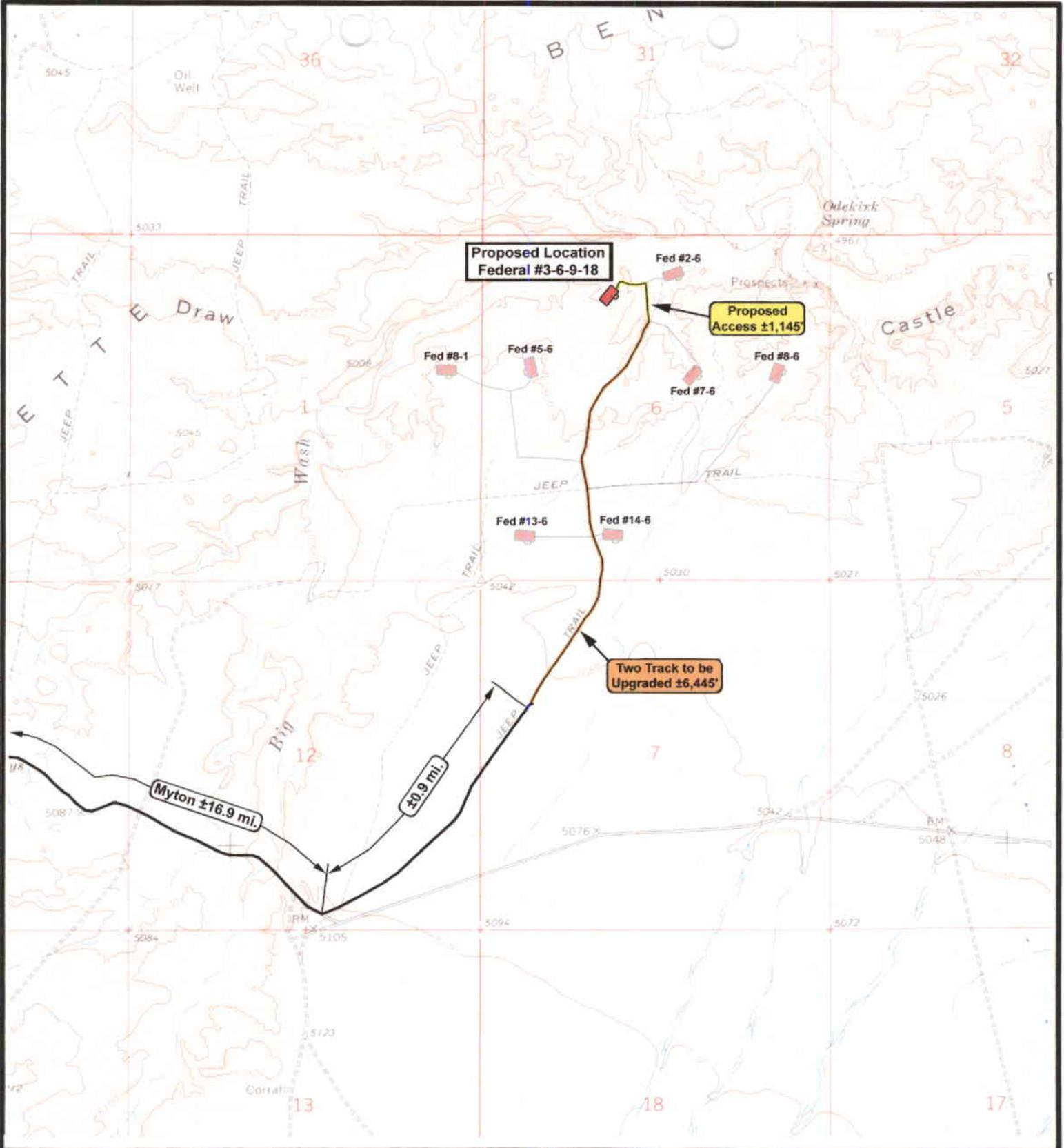


**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 120,000
DRAWN BY: R.A.B.
DATE: 03-10-2003

Legend
 Existing Road
 Proposed Access

TOPOGRAPHIC MAP
"A"



**Proposed Location
Federal #3-6-9-18**

**Proposed
Access ±1,145'**

**Two Track to be
Upgraded ±6,445'**

Myton ±16.9 mi.

±0.9 mi.



**Federal #3-6-9-18
SEC. 6, T9S, R18E, S.L.B.&M.**

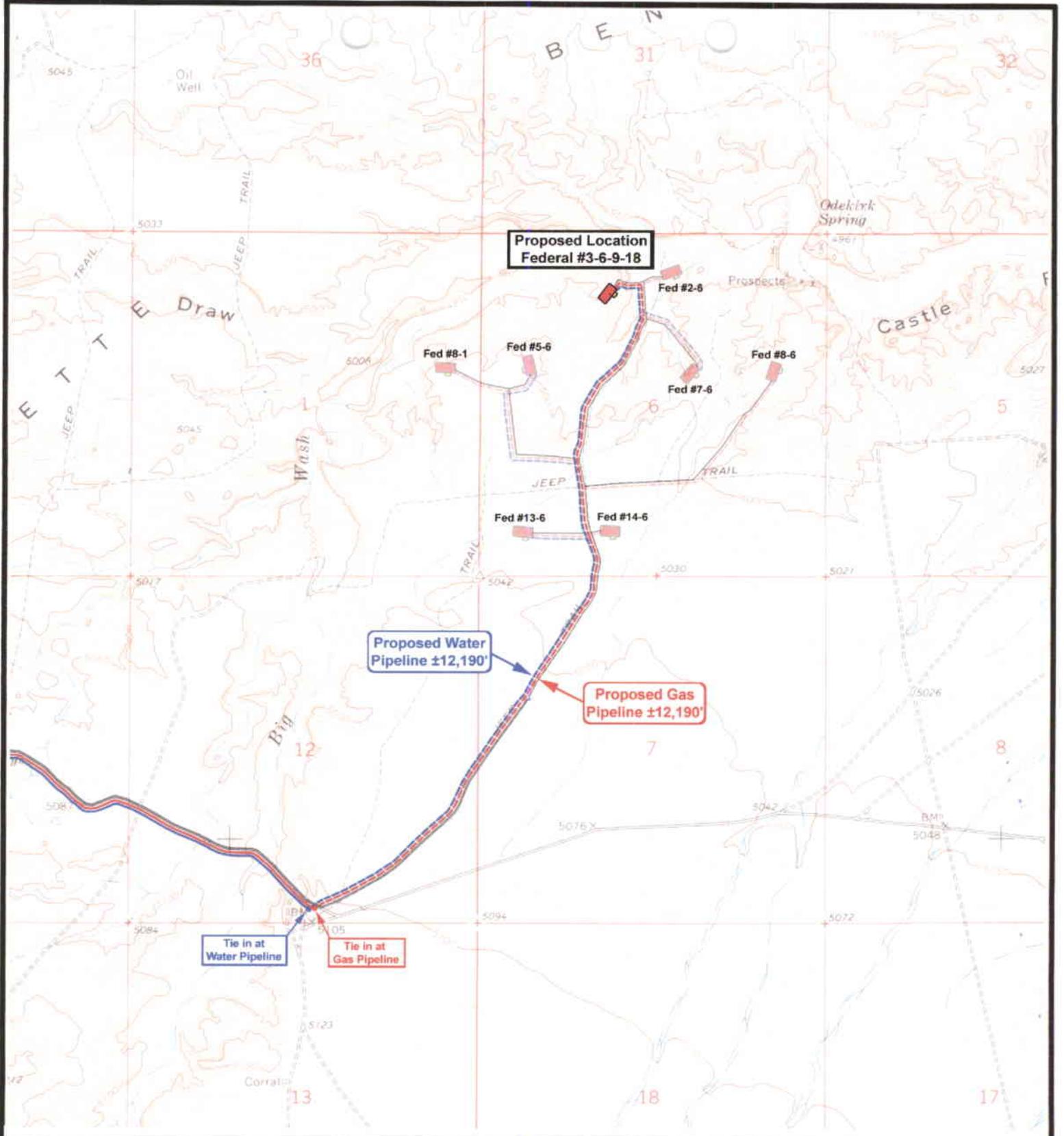


**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 03-07-2003

Legend	
	Existing Road
	Proposed Access
	Upgraded Access

TOPOGRAPHIC MAP
"B"



Gas and Water Pipelines
Federal #3-6-9-18
SEC. 6, T9S, R18E, S.L.B.&M.



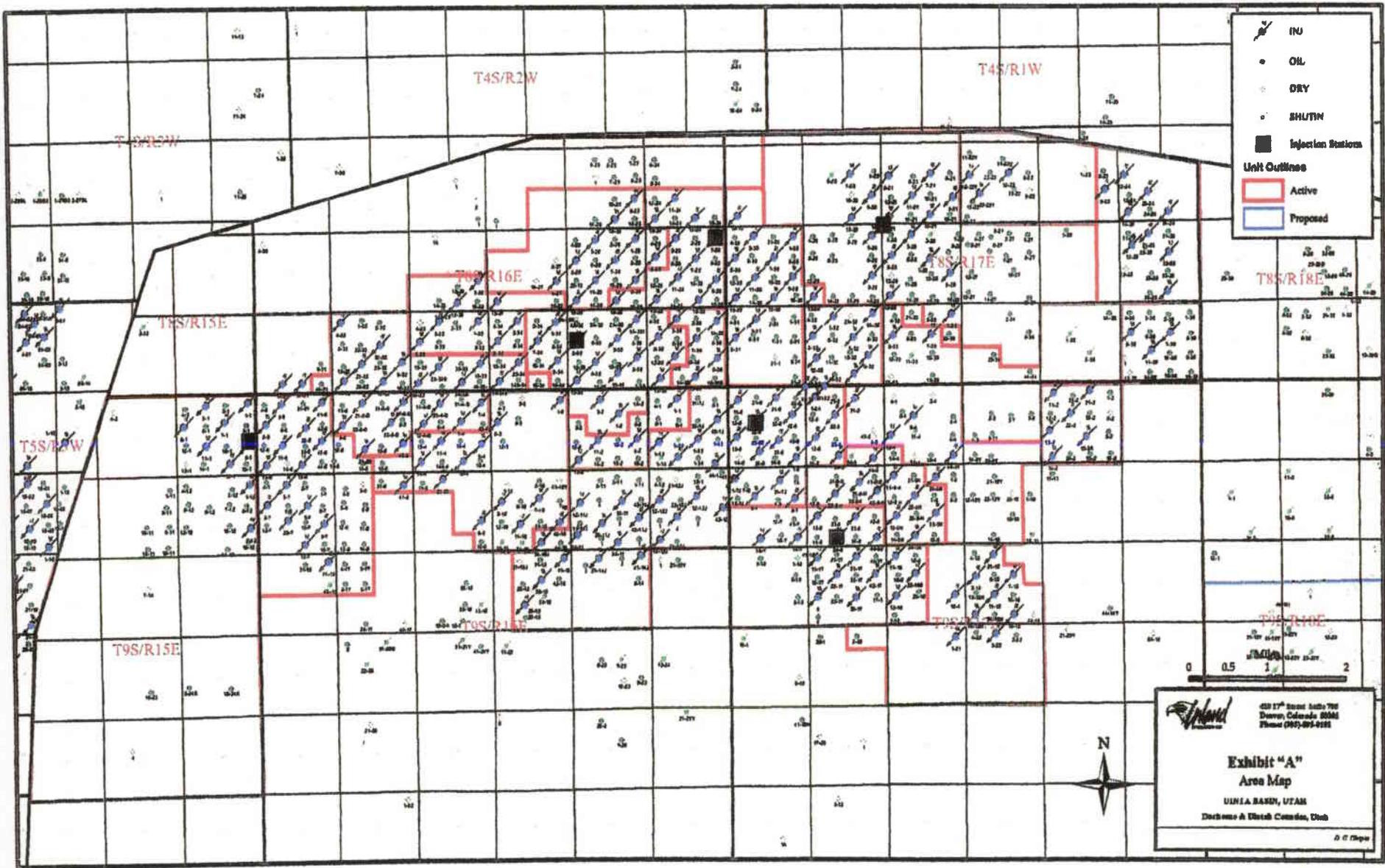
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: R.A.B.
 DATE: 03-10-2003

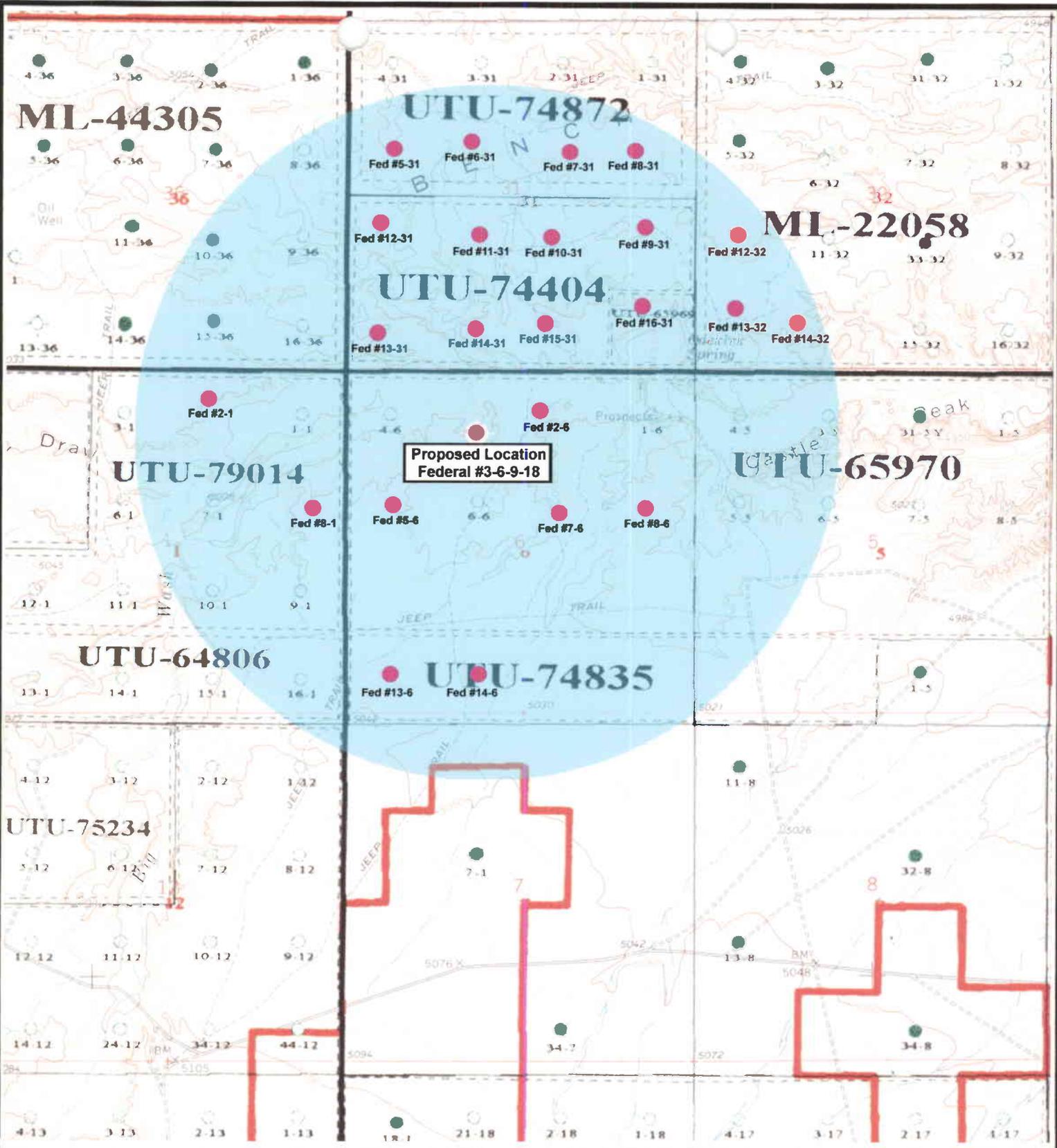
Legend	
	Roads
	Existing Gas Line
	Proposed Gas Line
	Existing Water Line
	Proposed Water Line

TOPOGRAPHIC MAP

"C"



January 15, 2003



**Proposed Location
Federal #3-6-9-18**



**Federal #3-6-9-18
SEC. 6, T9S, R18E, S.L.B.&M.**



**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 03-10-2003

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

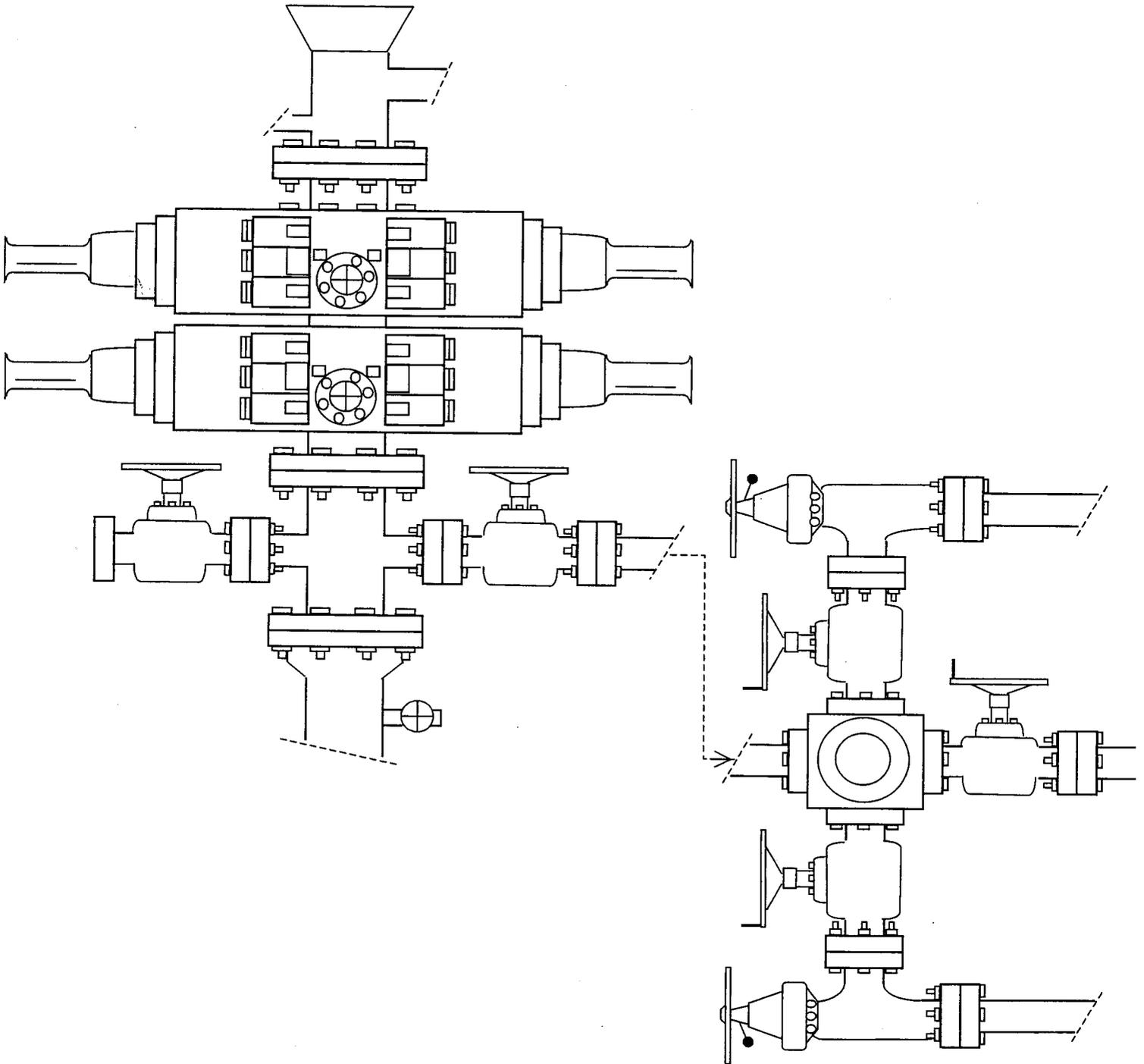


EXHIBIT C

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/17/2003

API NO. ASSIGNED: 43-047-34425

WELL NAME: FEDERAL 3-6-9-18
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENW 06 090S 180E
SURFACE: 0970 FNL 1967 FWL
BOTTOM: 0970 FNL 1967 FWL
UINTAH
8 MILE FLAT NORTH (590)

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

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-65970
SURFACE OWNER: 1 - Federal

LATITUDE: 40.06444

PROPOSED FORMATION: GRRV

LONGITUDE: 109.93789

RECEIVED AND/OR REVIEWED:

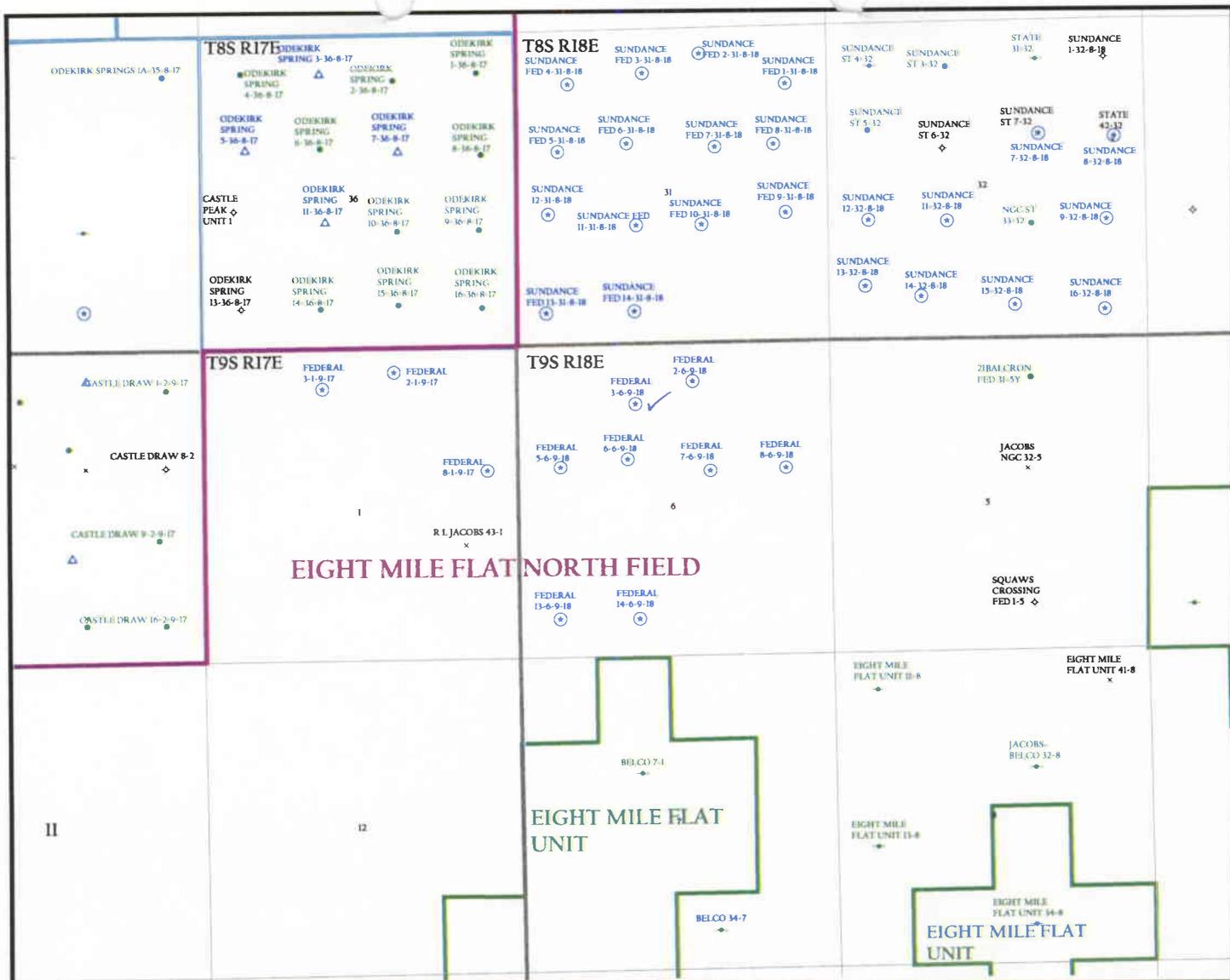
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)

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: Sop, Seperate file

STIPULATIONS: 1- Federal approval
2- Spacing Slip



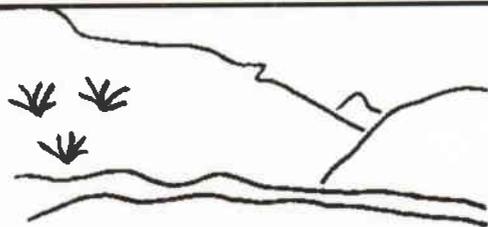
OPERATOR: INLAND PRODUCTION (N5160)

SEC. 6 T9S, R18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH

SPACING: R649-3-3 / EX LOCATION



Utah Oil Gas and Mining

WELLS

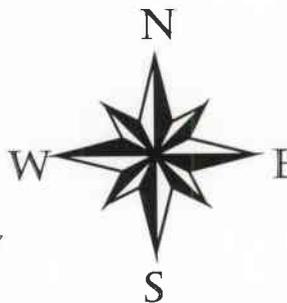
- ◊ GAS INJECTION
- GAS STORAGE
- ✕ LOCATION ABANDONED
- ⊙ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

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: 17-APRIL-2003



May 1, 2003

Ms. Lisha Cordova
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: Application for Location Exception
Federal #3-6-9-18
T9S, R18E, S.L.M.
Section 1: Lot 3 (NE/4 NW/4) 1967' FWL and 970' FNL
Uintah County, Utah

Dear Ms. Cordova:

Inland Production Company hereby requests administrative approval for a location exception to Rule R649-3-2 governing the location of wells.

Said Rule states that every well should be in the center of the 40-acre quarter/quarter section with a 200-foot tolerance. The captioned well is proposed to be drilled approximately 109' outside of the prescribed 400 foot window due to the local topography.

Inasmuch as the proposed well remains more than 460' from the lease boundary, only the other working interest owners in said well, Yates Petroleum Corporation, Yates Drilling Company, Abo Petroleum Corporation, and Myco Industries, Inc. are affected according to the above rule. Their consents to this location exception are attached.

Please contact me if you have any questions. My direct number is (303) 382-4422.

Sincerely yours,

INLAND PRODUCTION COMPANY


Jeff Fandrich
Manager of Land

CC: Ms. Pat Sutton
Bureau of Land Management
170 South 500 East
Vernal Utah 84078-2799

Ms. Bonnie Floore
Yates Petroleum Corporation, et al
105 South Fourth Street
Artesia, NM 88210-2118

MAY 05 2003

MARTIN YATES, III
1912 - 1965
FRANK W. YATES
1936 - 1966



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

April 25, 2003

Via: Facsimile (303-893-0103)

Inland Production Company
Attn: Jeff Fandrich
410 - 17th Street, Suite 700
Denver, CO 80202

Re: Exception Locations
Federal #2-6-9-18
Federal #3-6-9-18
Federal #7-6-9-18
Federal #2-1-9-17
Uintah County, Utah

Gentlemen:

Further to your facsimile of April 25, 2003, please be advised that Yates Petroleum Corporation, Yates Drilling Company, Abo Petroleum Corporation and Myco Industries, Inc. are all in agreement with the exception locations as outlined in your letter covering the captioned wells.

I trust this is the information you require. If you have any questions, or require anything further, please do not hesitate contacting me at 505-748-4334.

Thank you.

Very truly yours,

YATES PETROLEUM CORPORATION

Bonnie Floore
Associate Landman

MAY 05 2003

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

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)
970 FNL 1967 FWL NE/NW Section 6, T9S R18E

5. Lease Designation and Serial No.
UTU-65970

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
FEDERAL 3-6-9-18

9. API Well No.
43-047-34425

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTH

11. County or Parish, State
UINTAH COUNTY, UT.

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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other 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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 5/6/03 (expiration 5/6/04).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-10-04
By: [Signature]

RECEIVED
MAY 05 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 4/29/2004
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: 43-047-34425
Well Name: Federal 3-6-9-18
Location: NE/NW Section 6, T9S R18E
Company Permit Issued to: Inland Production Company
Date Original Permit Issued: 5/6/2003

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



Signature

5/3/2004

Date

Title: Regulatory Specialist

Representing: Inland Production Company



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

May 6, 2003

Inland Production Company
Route #3, Box 3630
Myton, UT 84052

Re: Federal 3-6-9-18 Well, 970' FNL, 1967' FWL, NE NW, Sec. 6, T. 9 South, R. 18 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-34425.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

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

Operator: Inland Production Company
Well Name & Number Federal 3-6-9-18
API Number: 43-047-34425
Lease: UTU-65970

Location: NE NW **Sec.** 6 **T.** 9 South **R.** 18 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.



Office of the Secretary of State

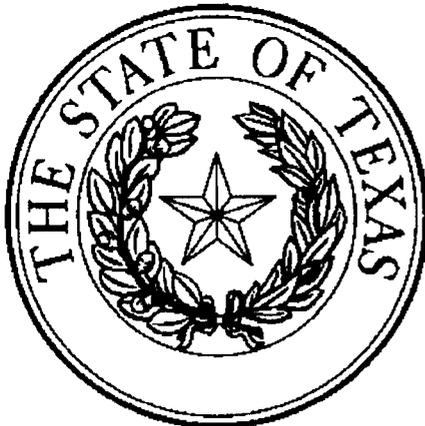
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

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		

OPERATOR CHANGE WORKSHEET

007

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:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
HANCOCK 14-23-4-1	23	040S	010W	4304733080	12331	Fee	OW	P	
HANCOCK 11-23-4-1	23	040S	010W	4304733081	12355	Fee	OW	P	
HANCOCK 4-26-4-1	26	040S	010W	4304733082	12492	Fee	OW	P	
ODEKIRK SPRINGS 1A-35-8-17	35	080S	170E	4304733549	12909	Federal	OW	P	
ODEKIRK SPRINGS 15-35-8-17	35	080S	170E	4304733550	13094	Federal	OW	P	
ODEKIRK SPRING 13-36-8-17	36	080S	170E	4304733076	12420	State	D	PA	
SUNDANCE FED 14-31-8-18	31	080S	180E	4304734287		Federal	OW	APD	K
FEDERAL 1-31-8-18	31	080S	180E	4304734494	13927	Federal	OW	P	K
FEDERAL 2-31-8-18	31	080S	180E	4304734495	13959	Federal	OW	OPS	K
SUNDANCE 7-32-8-18	32	080S	180E	4304734458	13987	State	OW	P	K
SUNDANCE 8-32-8-18	32	080S	180E	4304734459	14047	State	OW	P	K
SUNDANCE 9-32-8-18	32	080S	180E	4304734460	13988	State	OW	OPS	K
SUNDANCE 11-32-8-18	32	080S	180E	4304734461	13962	State	OW	P	K
SUNDANCE 12-32-8-18	32	080S	180E	4304734462	14031	State	OW	P	K
SUNDANCE 13-32-8-18	32	080S	180E	4304734463	13964	State	OW	P	K
SUNDANCE 14-32-8-18	32	080S	180E	4304734464	14046	State	OW	P	K
SUNDANCE 15-32-8-18	32	080S	180E	4304734465	13978	State	OW	P	K
SUNDANCE 16-32-8-18	32	080S	180E	4304734466	14028	State	OW	OPS	K
FEDERAL 2-6-9-18	06	090S	180E	4304734013		Federal	OW	APD	K
FEDERAL 3-6-9-18	06	090S	180E	4304734425		Federal	OW	APD	K

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

008

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

UTU-65970

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 3-6-9-18

9. API Well No.

43-047-34425

10. Field and Pool, or Exploratory Area

EIGHT MILE FLAT NORTH

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

NEWFIELD 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)

970 FNL 1967 FWL NE/NW Section 6, T9S R18E

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other Permit Extension	<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.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 5/6/03. An extension was granted on 5/10/04 (expiring 5/10/05).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-04-05

By: *[Signature]*

RECEIVED

MAY 04 2005

DIV. OF OIL, GAS & MINING

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

Signed

[Signature: Mandie Crozier]
Mandie Crozier

Title

Regulatory Specialist

Date

5/3/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

[Signature]
REGULATORY OPERATOR
CRO

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: 43-047-34425
Well Name: Federal 3-6-9-18
Location: NE/NW Section 6, T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 5/6/2003

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

Mandie Currier

 Signature

5/3/2005

 Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
 MAY 04 2005
 DIV. OF OIL, GAS & MINING

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-65970

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or C.A. Agreement Designation
SUNDANCE

8. Well Name and No.
FEDERAL 3-6-9-18

9. API Well No.
43-047-34425

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTH

11. County or Parish, State
UINTAH COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD 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)
970 FNL 1967 FWL NE/NW Section 6, T9S R18E

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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other 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.)

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 5/4/03 (expiration 5/4/06).

This APD has not been approved yet by the BLM.

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

Date: 05-01-06
By: [Signature]

6/12/06
[Signature]

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

Signed: Mandie Crozier Title: Regulatory Specialist Date: 4-28-2006
Mandie Crozier

CC: UALM DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

MAY 01 2006



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

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

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Location: NE/NW Section 6, T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 5/4/2003

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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


Signature

4/28/2006
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

MAY 01 2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-65970
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal 3-6-9-18
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-34425
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 1926' FNL 1874' FWL At proposed prod. zone NE/NW 661' FNL 1939' FWL		10. Field and Pool, or Exploratory Eight Mile Flat
14. Distance in miles and direction from nearest town or post office* Approximatley 18.9 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area S E/NW Sec. 6, T9S R18E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 661' f/lse, 7154' f/unit	16. No. of Acres in lease 1,036.24	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1367'	19. Proposed Depth 6125'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4963' GL	22. Approximate date work will start* 3rd Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/29/07
-------------------	--	-----------------

Title
Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-23-07
-----------------------------	---	------------------

Title
Officer ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the 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, are attached.

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 or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Surf 590560X
4434954Y
40.061870
- 109.938154

BLL 590575X
4435334Y
40.065338
- 109.937931

Federal Approval of this
Action Is Necessary

RECEIVED

MAR 30 2007

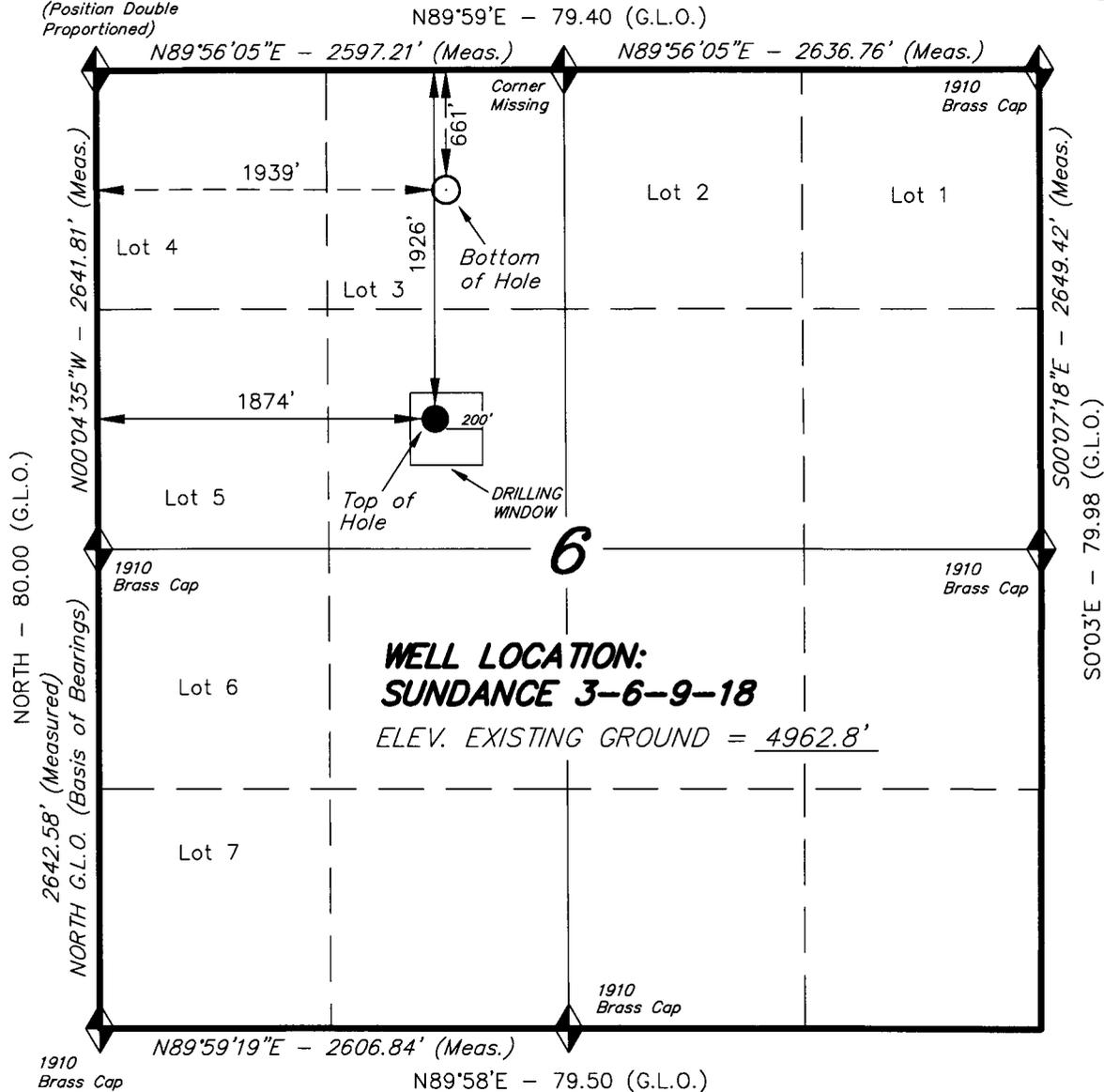
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 4-23-07
Initials: pm

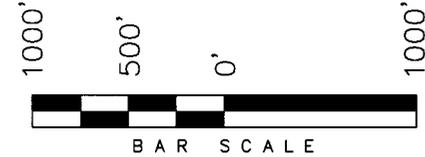
T9S, R18E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

Corner Missing:
(Position Double
Proportioned)



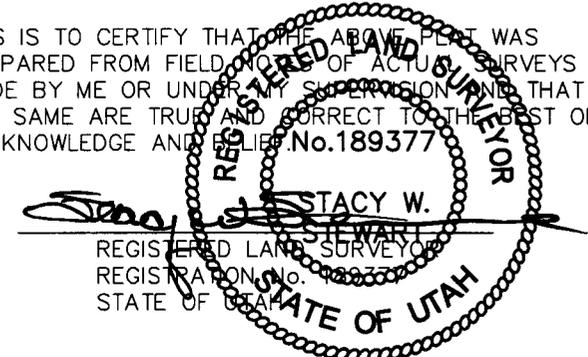
WELL LOCATION, SUNDANCE 3-6-9-18,
LOCATED AS SHOWN IN THE SE 1/4 NW
1/4 OF SECTION 6, T9S, R18E, S.L.B.&M.
UINTAH COUNTY, UTAH.



Note:
The Bottom of hole bears N02°57'27"E
1264.54' from the Top of Hole.

WELL LOCATION:
SUNDANCE 3-6-9-18
ELEV. EXISTING GROUND = 4962.8'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



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

DATE SURVEYED: 09-25-06	SURVEYED BY: C.M.
DATE DRAWN: 09-26-06	DRAWN BY: T.C.J.
REVISED:	SCALE: 1" = 1000'

SUNDANCE 3-6-9-18
(Surface Location) NAD 83
LATITUDE = 40° 03' 42.79"
LONGITUDE = 109° 56' 19.80"

◆ = SECTION CORNERS LOCATED

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

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160
(UT-922)

April 4, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Sundance Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are being permitted as directional wells. They were originally permitted as vertical wells. Most of the wells were permitted prior to the approval of the Sundance Unit. However Sundance Fed 8-5-9-18 and the Sundance Fed 16-31-8-18 were reviewed in our memo of November 7, 2005. The wells are planned for calendar year 2007 within the Sundance Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-37390	Sundance Fed 8-5-9-18	Sec 05 T09S R18E 2131 FNL 1953 FEL
	BHL	Sec 05 T09S R18E 1985 FNL 0661 FEL
43-047-34013	Sundance Fed 2-6-9-18	Sec 06 T09S R18E 2546 FNL 1890 FEL
	BHL	Sec 06 T09S R18E 0661 FNL 1977 FEL
43-047-34425	Sundance Fed 3-6-9-18	Sec 06 T09S R18E 1926 FNL 1874 FWL
	BHL	Sec 06 T09S R18E 0661 FNL 1939 FWL
43-047-34935	Sundance Fed 8-6-9-18	Sec 06 T09S R18E 1716 FSL 0940 FEL
	BHL	Sec 06 T09S R18E 1986 FNL 0659 FEL
43-047-34287	Sundance Fed 14-31-8-18	Sec 31 T08S R18E 2004 FSL 1986 FWL
	BHL	Sec 31 T08S R18E 0660 FSL 1932 FWL
43-047-37388	Sundance Fed 16-31-8-18	Sec 31 T08S R18E 0678 FSL 2216 FEL
	BHL	Sec 31 T08S R18E 0661 FSL 0659 FEL
43-047-36016	Sundance Fed 13A-33-8-18	Sec 33 T08S R18E 2044 FSL 0773 FWL
	BHL	Sec 33 T08S R18E 0663 FSL 0660 FWL

**NEWFIELD PRODUCTION COMPANY
SUNDANCE FEDERAL #3-6-9-18
AT PROPOSED ZONE: NE/NW SECTION 6, T9S, R18E
AT SURFACE: SE/NW SECTION 6, T9S, R18E
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' – 2195'
Green River	2195'
Wasatch	6125'

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

Green River Formation 2195' – 6125' - 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 1800 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.

**NEWFIELD PRODUCTION COMPANY
SUNDANCE FEDERAL #3-6-9-18
AT PROPOSED ZONE: NE/NW SECTION 6, T9S, R18E
AT SURFACE: SE/NW SECTION 6, T9S, R18E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Sundance Federal #3-6-9-18 located in the SE 1/4 NW 1/4 Section 6, T9S, R18E, 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 - 15.3 miles \pm to its junction with an existing dirt road to the northeast; proceed northeasterly - 2.0 miles \pm to the existing 6-6-9-18 well location.

2. PLANNED ACCESS ROAD

The proposed well will be drilled directionally off of the existing 6-6-9-18 well pad. 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

It is proposed that this well will be drilled directionally off of the existing 6-6-9-18 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Sundance Federal 3-6-9-18. All permanent surface equipment will be painted Carlsbad Canyon.

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

The proposed Sundance Federal 3-6-9-18 will be drilled off of the existing 6-6-9-18 well pad. No additional surface disturbance will be required for this location.

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

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

Water Disposal

Immediately upon first production, all produced water will be confined 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 Newfield's secondary recovery project.

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

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, 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.

Mountain Plover: If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

Reserve Pit Liner

A 16 mil liner is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Galleta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre
---------------	------------------------	------------

Details of the On-Site Inspection

The proposed Sundance Federal #3-6-9-18 was on-sited on 11/22/06. The following were present; Dave Allred (Newfield Production), Kim Kettle (Newfield Production), Charles Sharp (Bureau of Land Management), and Brandon MacDonald (Bureau of Land Management). Weather conditions were clear and ground cover was 100 percent open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #3-6-9-18 NE/NW Section 6, Township 9S, Range 18E: Lease UTU-65970 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 Newfield 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.

3/29/07

Date



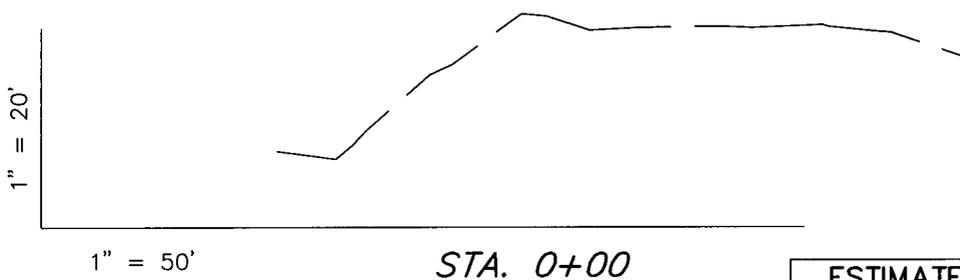
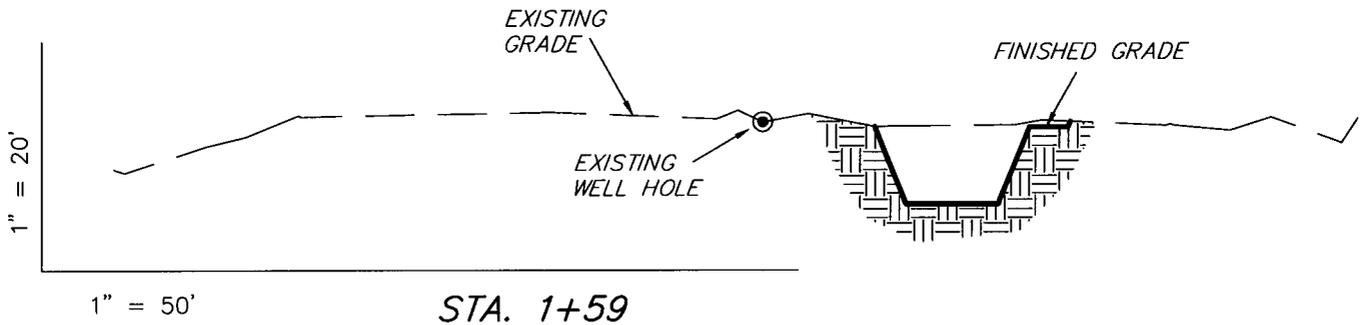
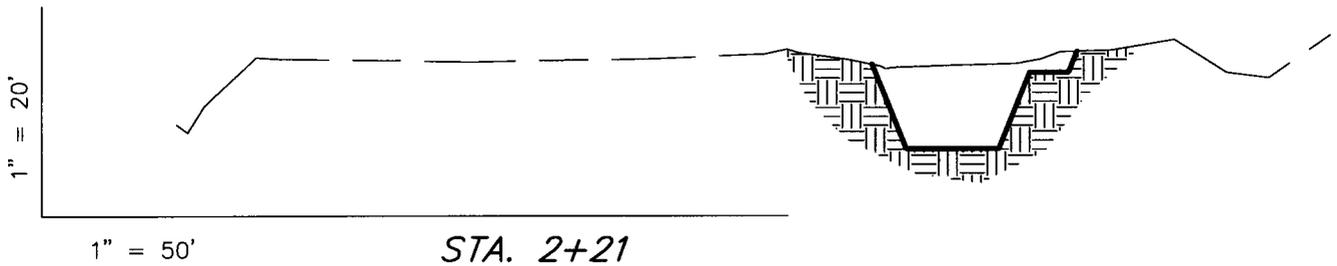
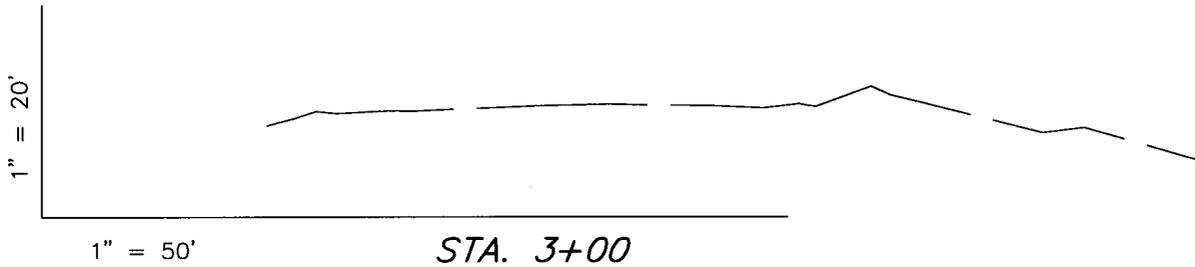
Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

SUNDANCE 3-6-9-18 (Proposed Well)

SUNDANCE 6-6-9-18 (Existing Well)



ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	130	0	Topsoil is not included in Pad Cut	130
PIT	640	0		640
TOTALS	770	0	N/A	770

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

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 09-26-06

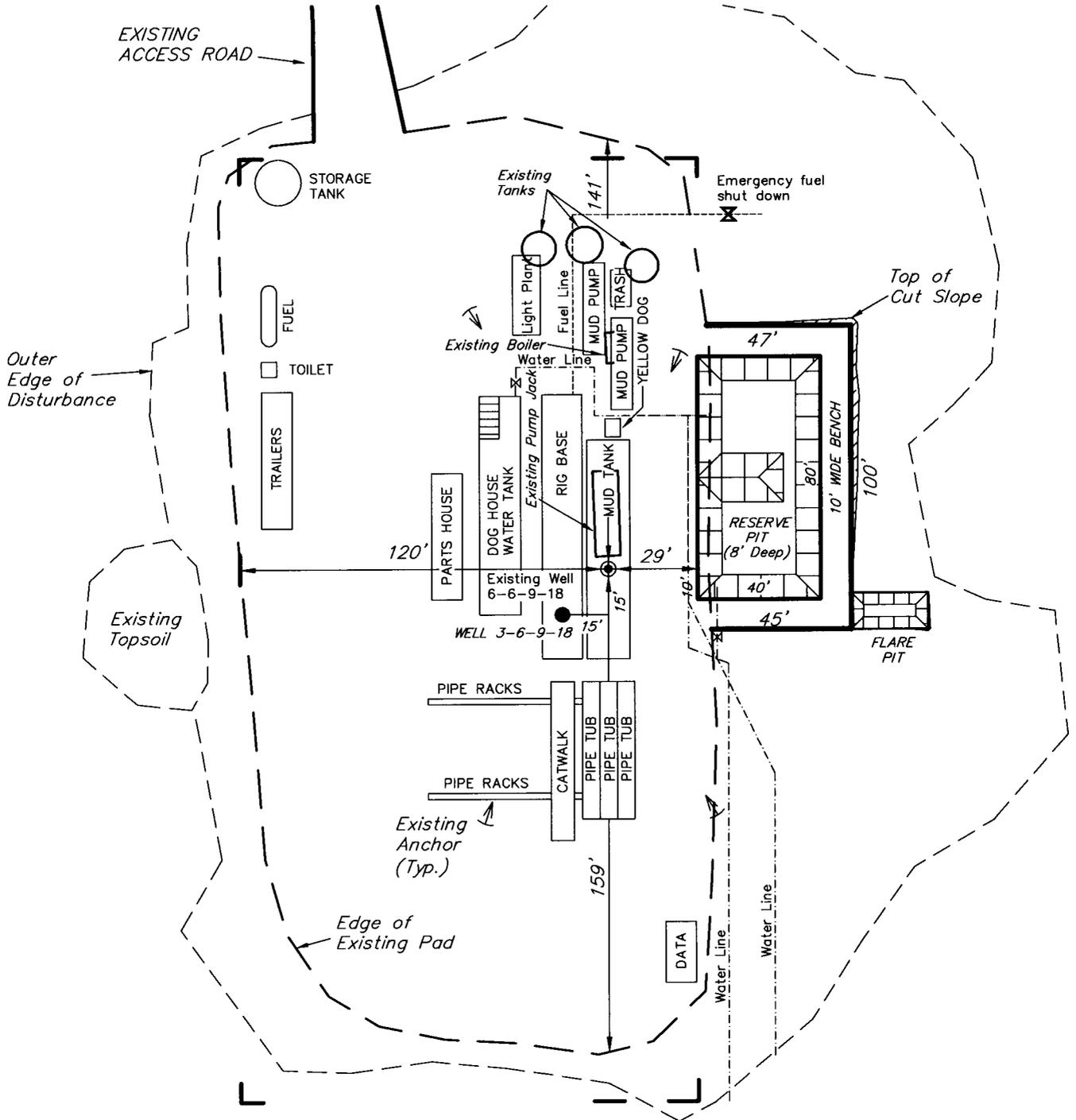
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

SUNDANCE 3-6-9-18 (Proposed Well)

SUNDANCE 6-6-9-18 (Existing Well)



REVISED:

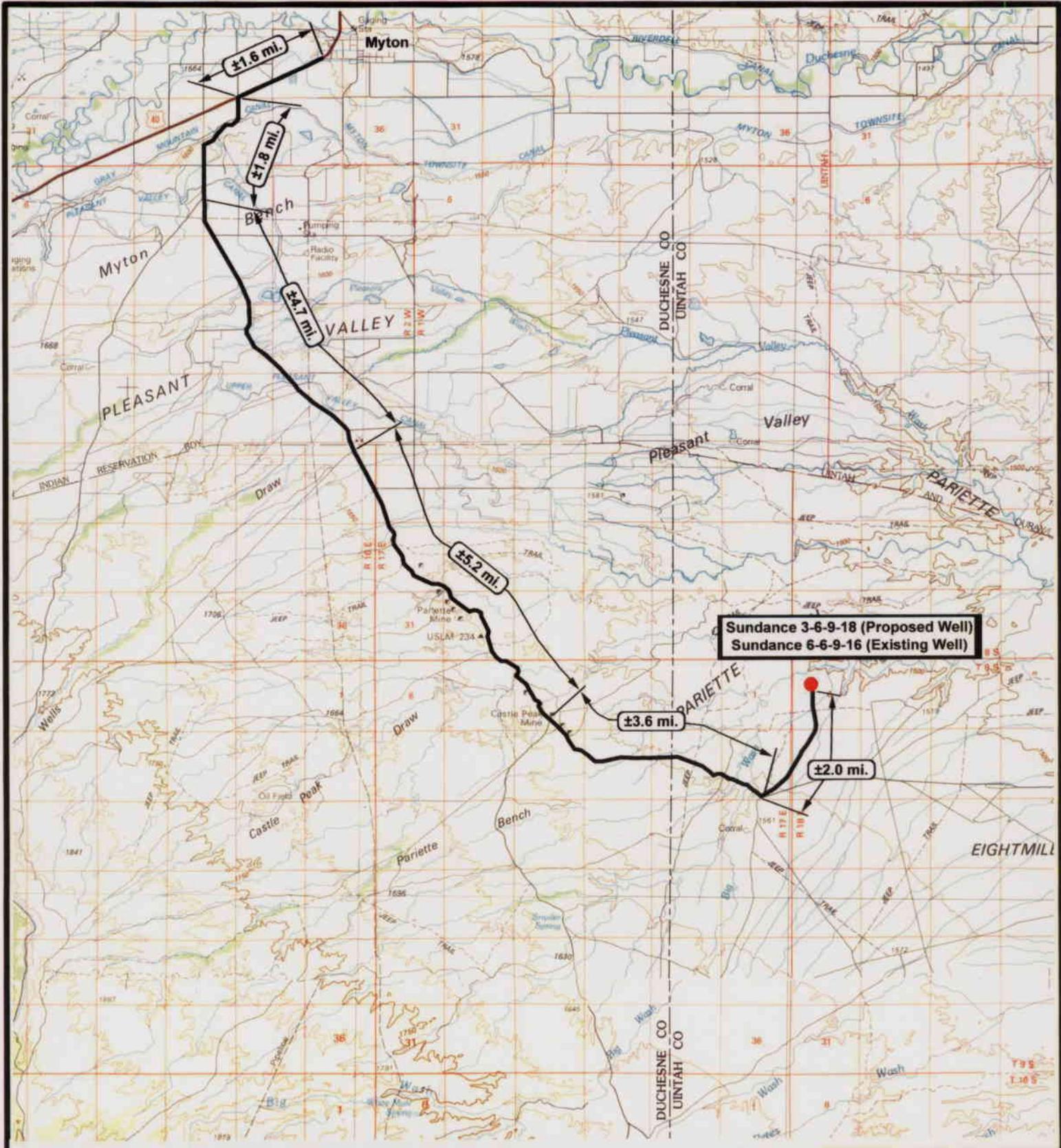
SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 09-26-06

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501



Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-16 (Existing Well)



NEWFIELD
 Exploration Company

Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-18 (Existing Well)
 Pad Location: NESE SEC. 6, T9S, R18E, S.L.B.&M.



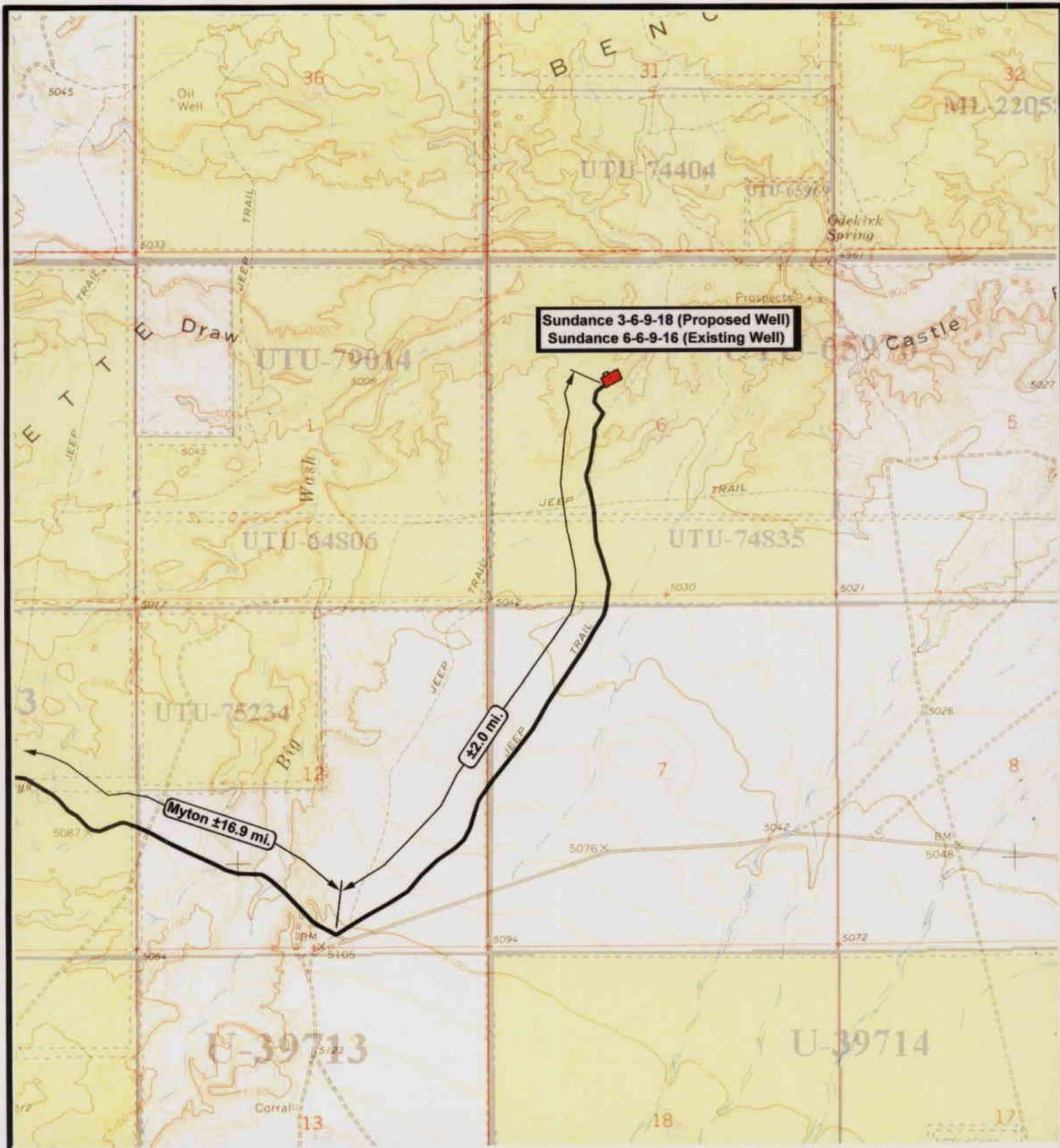
Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 10-09-2006

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-16 (Existing Well)

±2.0 mi.

Myton ±16.9 mi.



NEWFIELD
 Exploration Company

Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-18 (Existing Well)
 Pad Location: NESE SEC. 6, T9S, R18E, S.L.B.&M.



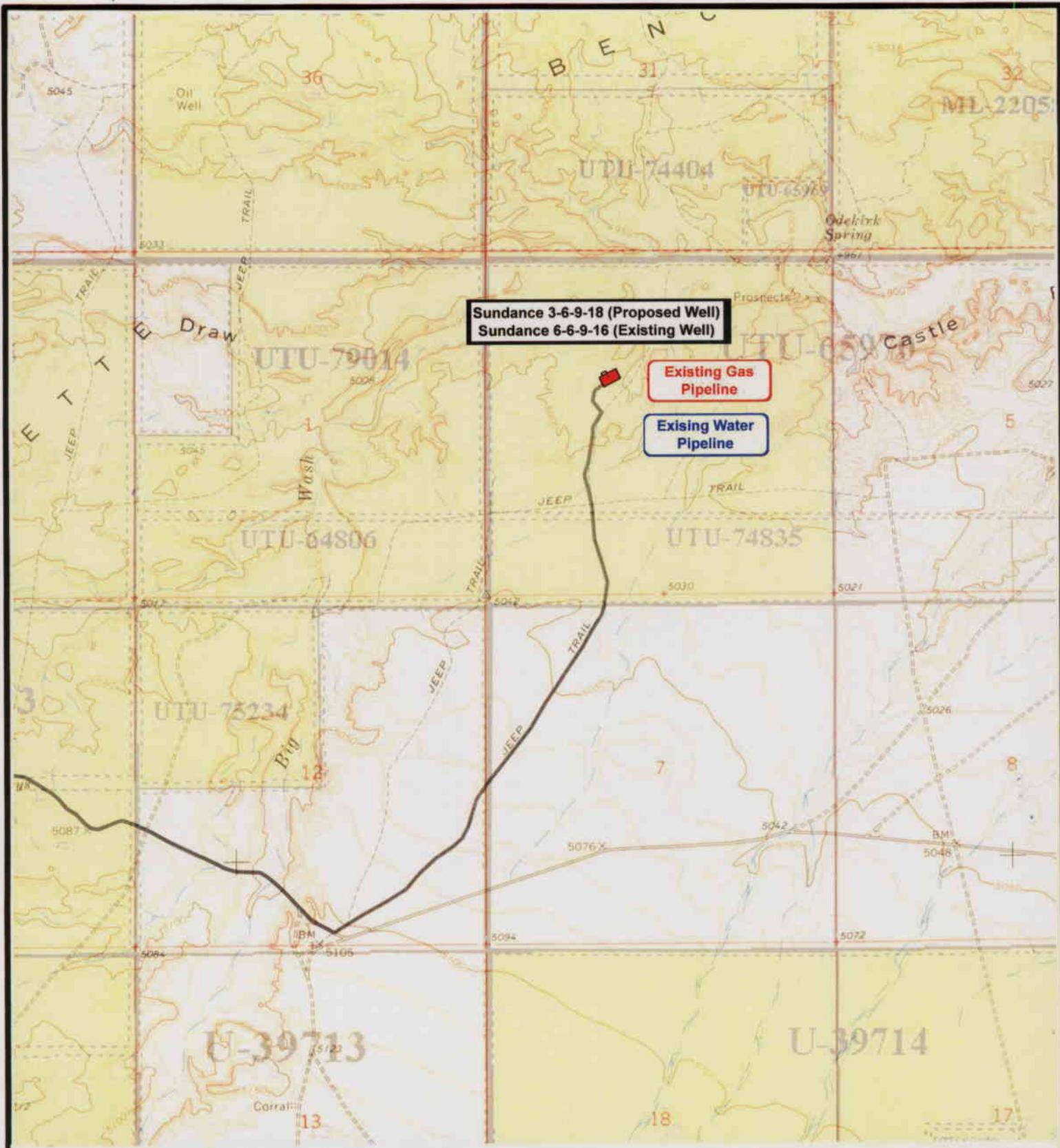
Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 10-09-2006

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-18 (Existing Well)

Existing Gas Pipeline

Existing Water Pipeline



NEWFIELD
 Exploration Company

Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-18 (Existing Well)
 Pad Location: NESE SEC. 6, T9S, R18E, S.L.B.&M.



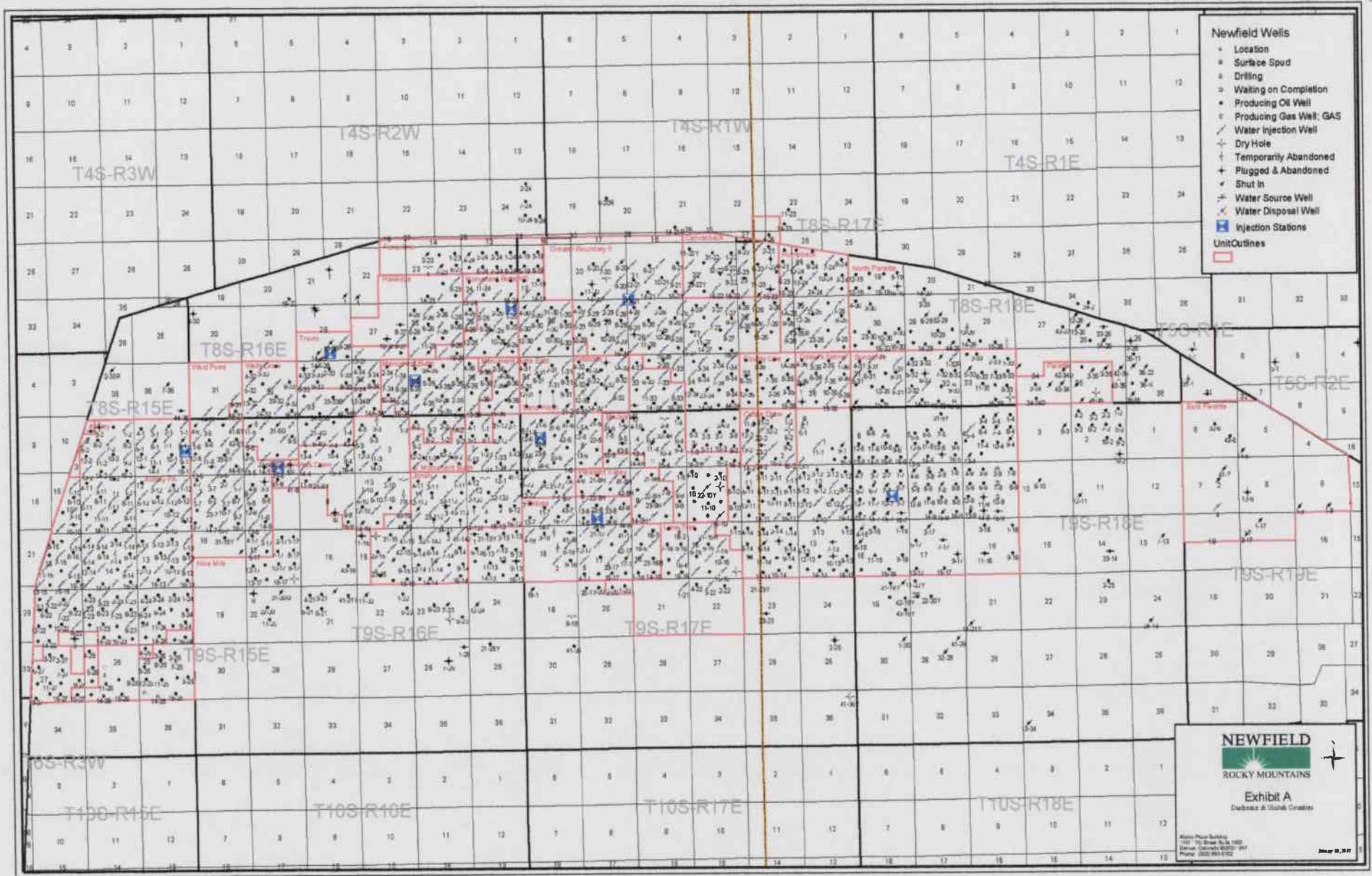
Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 10-09-2006

Legend

— Roads

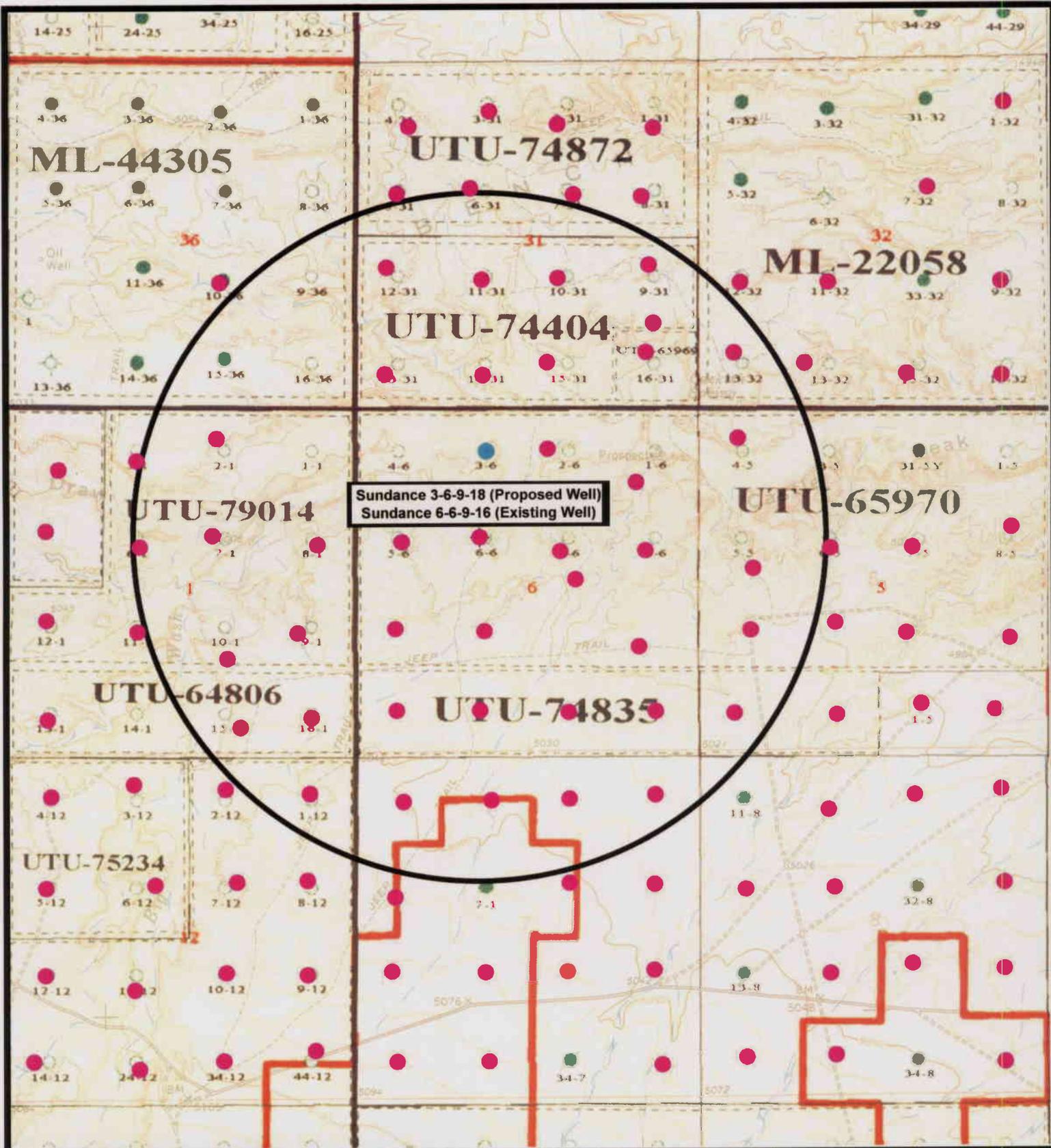
TOPOGRAPHIC MAP
"C"



- Newfield Wells**
- Location
 - Surface Spud
 - Drilling
 - △ Waiting on Completion
 - ★ Producing Oil Well
 - * Producing Gas Well: GAS
 - ⊕ Water Injection Well
 - ⊗ Dry Hole
 - ⊕ Temporarily Abandoned
 - ⊗ Plugged & Abandoned
 - ⊙ Shut In
 - ⊕ Water Source Well
 - ⊗ Water Disposal Well
 - ⊕ Injection Stations
 - Unit Outlines

NEWFIELD
 ROCKY MOUNTAINS
 Exhibit A
 Database & Utility Creator

Map 08.007



 **NEWFIELD**
Exploration Company

Sundance 3-6-9-18 (Proposed Well)
Sundance 6-6-9-18 (Existing Well)
Pad Location: NESE SEC. 6, T9S, R18E, S.L.B.&M.



 **Tri-State**
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 10-09-2006

Legend

- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

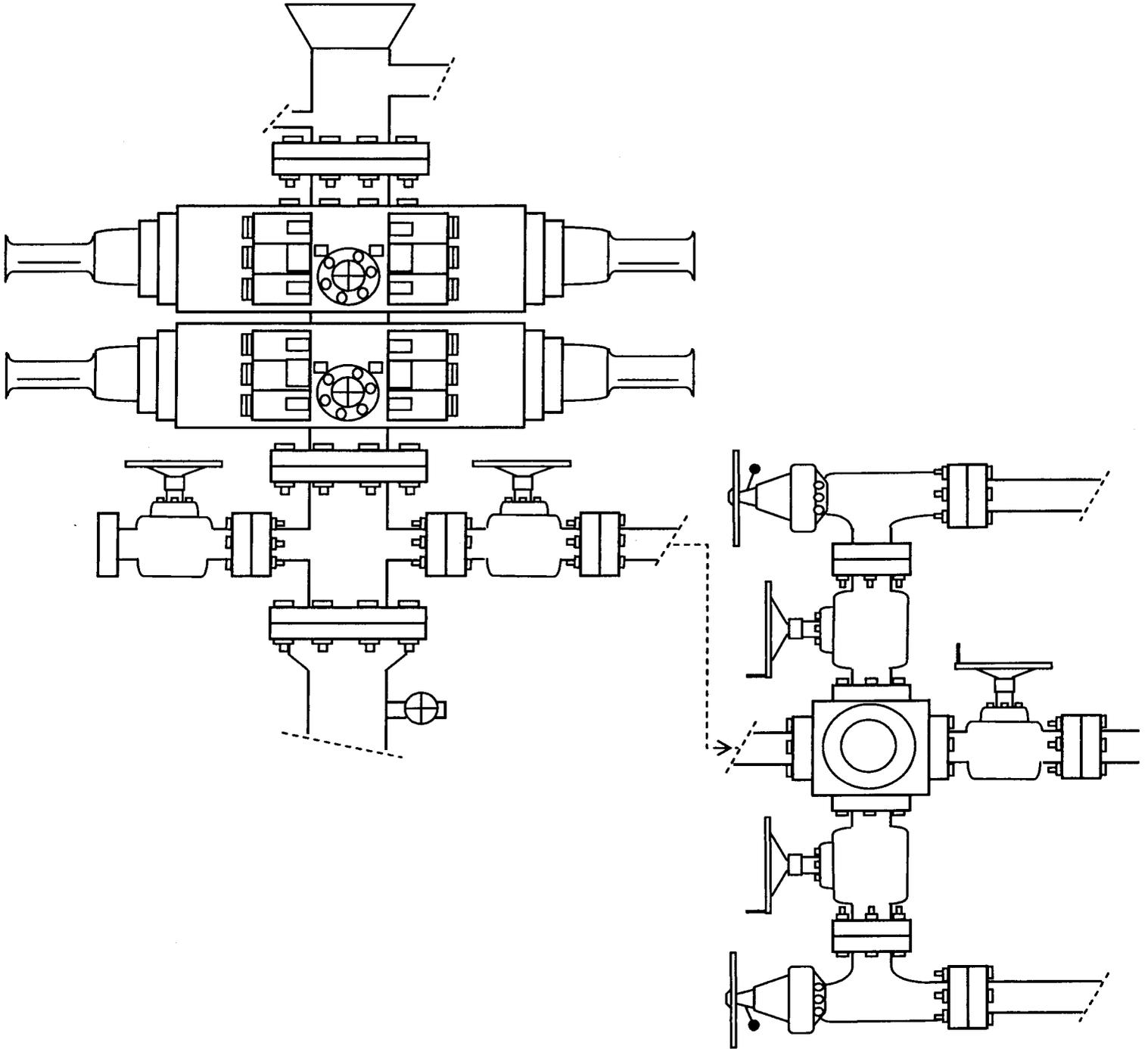


EXHIBIT C

Newfield Production Company Proposed Site Facility Diagram

Sundance Federal 3-6-9-18

From the 6-6-9-18 Location

SE/NW Sec. 6 T9S, 18E

Uintah County, Utah

UTU-65970

Site Security Plan is held at the Pleasant Valley
Office, Duchesne County Utah

Production Phase:

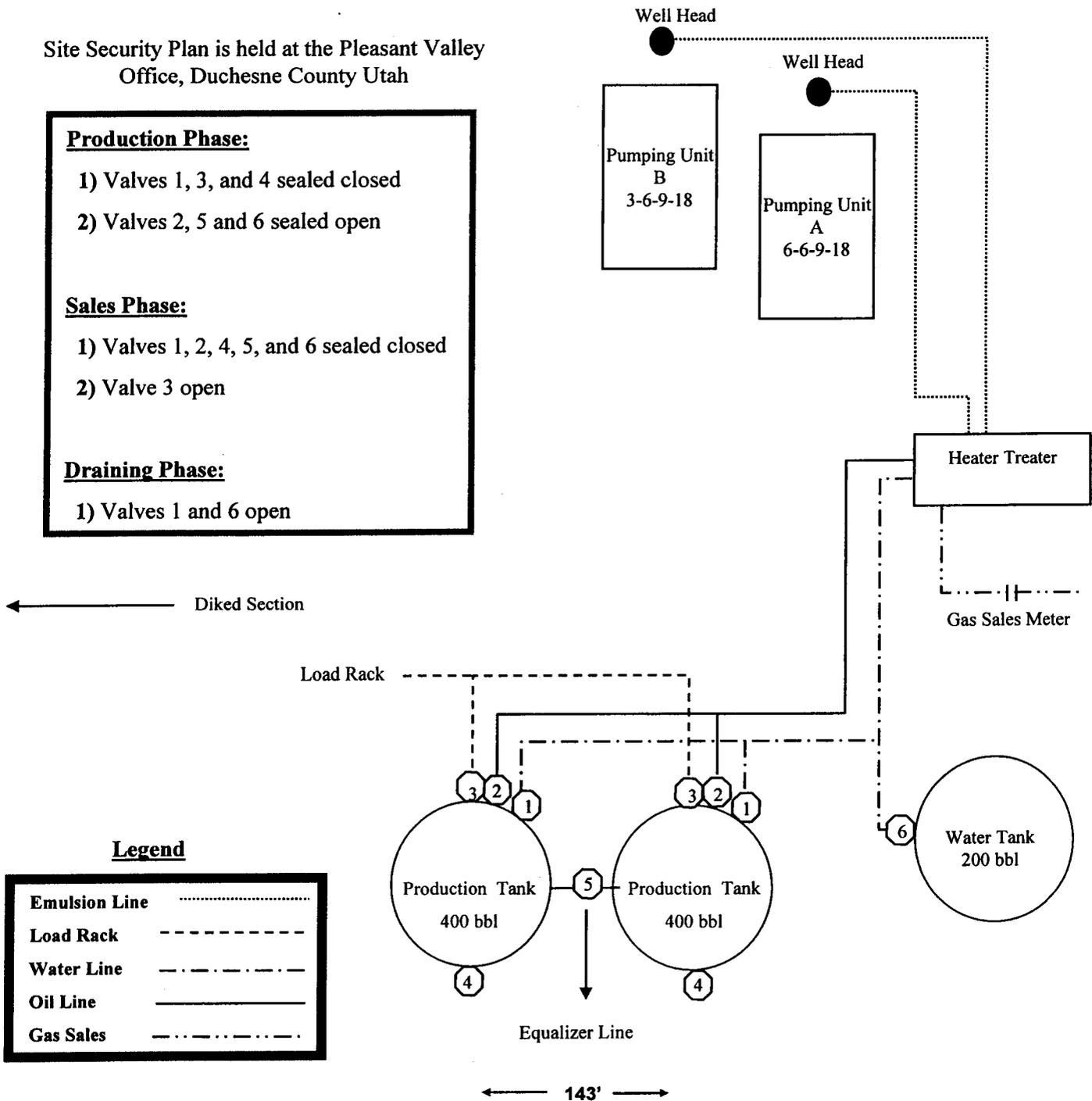
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

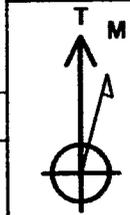




Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT
Site: Sundance 3-6-9-18
Well: Sundance 3-6-9-18
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

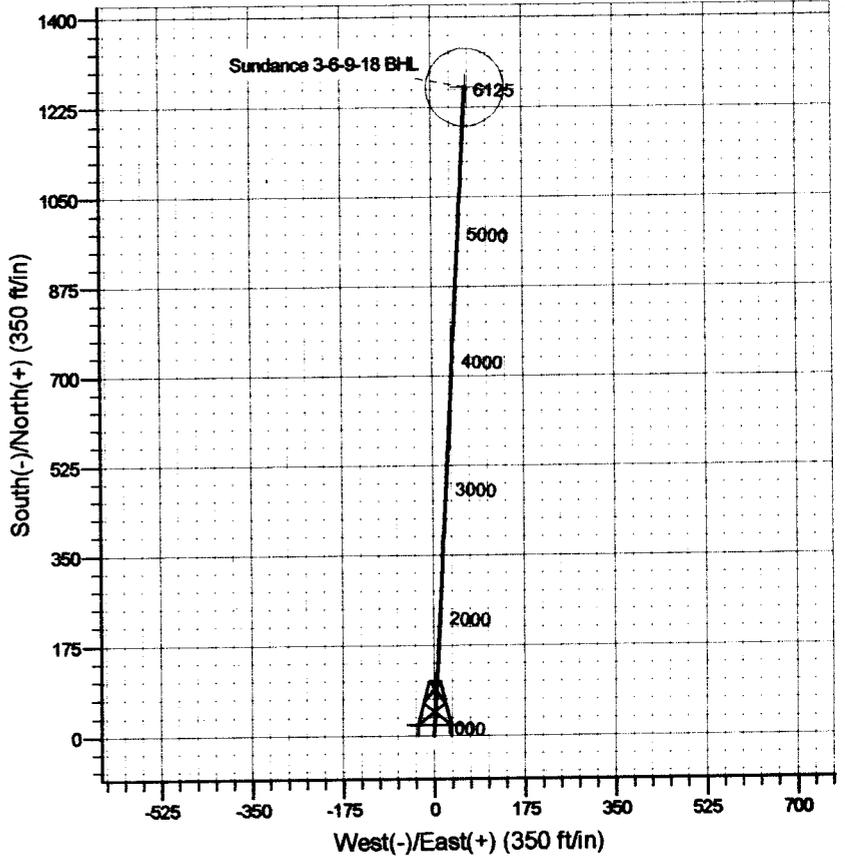
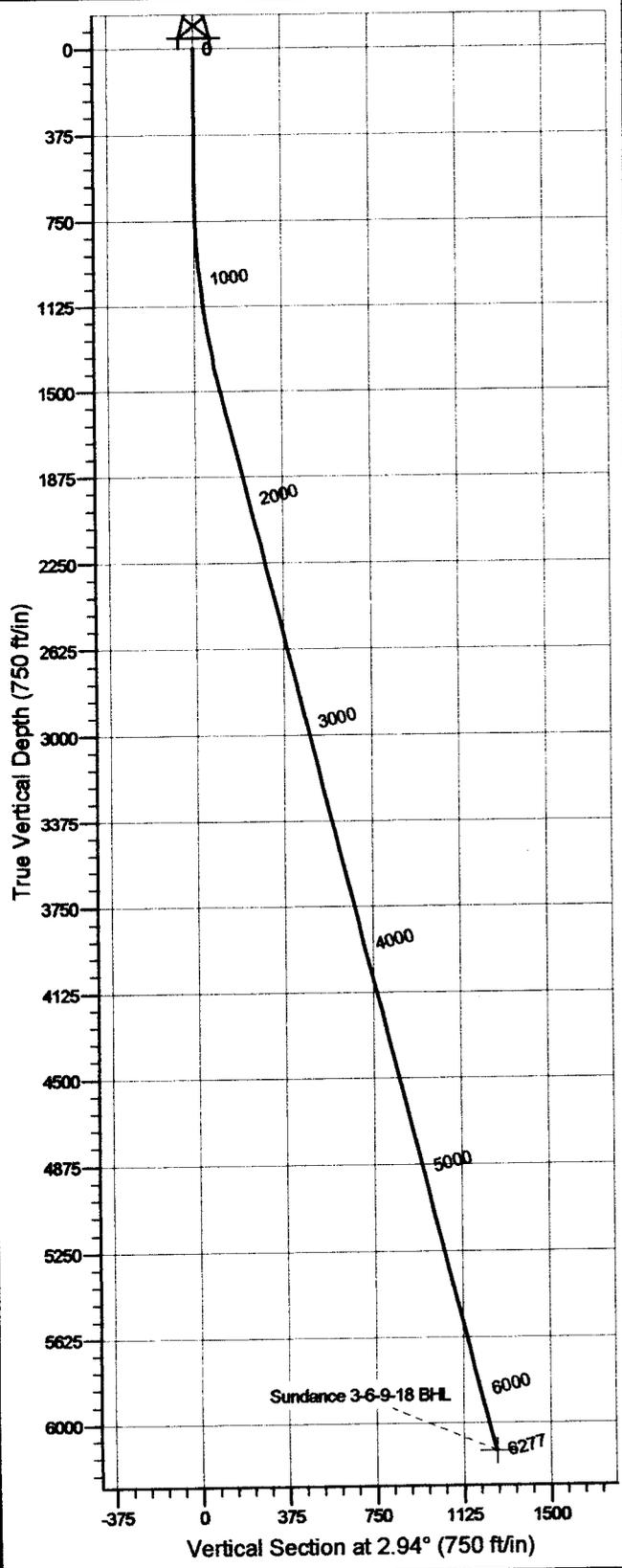


Azimuths to True North
Magnetic North: 11.80°

Magnetic Field
Strength: 52741.5nT
Dip Angle: 65.94°
Date: 2007-03-13
Model: IGRF2005-10

WELL DETAILS: Sundance 3-6-9-18

GL 4963' & RKB 12' @ 4975.00ft 4963.00
+N-S 0.00 +E-W 0.00 Northing 633401.61 Easting 2436939.44 Latitude 40° 3' 42.790 N Longitude 109° 56' 19.800 W



Plan: Plan #1 (Sundance 3-6-9-18/OH)
Created By: Julie Cruse Date: 2007-03-13
PROJECT DETAILS: Uintah County, UT
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302
System Datum: Mean Sea Level
Local North: No north reference data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1538.08	14.07	2.94	1528.68	114.46	5.88	1.50	2.94	114.61	
4	6276.58	14.07	2.94	6125.00	1265.00	65.00	0.00	0.00	1266.67	Sundance 3-6-9-18 BHL

Vertical Section at 2.94° (750 ft/in)

Newfield Exploration Co.

Uintah County, UT

Sundance 3-6-9-18

Sundance 3-6-9-18

OH

Plan: Plan #1

Standard Planning Report

13 March, 2007

Scientific Drilling

Planning Report

Database: MultiUserEDM
Company: Newfield Exploration Co.
Project: Uintah County, UT
Site: Sundance 3-6-9-18
Well: Sundance 3-6-9-18
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Sundance 3-6-9-18
TVD Reference: GL 4963' & RKB 12' @ 4975.00ft
MD Reference: GL 4963' & RKB 12' @ 4975.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Uintah County, UT		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sundance 3-6-9-18, Sec 6 T9S R18E				
Site Position:		Northing:	633,401.61 ft	Latitude:	40° 3' 42.790 N
From:	Lat/Long	Easting:	2,436,939.44 ft	Longitude:	109° 56' 19.800 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	1.00 °

Well	Sundance 3-6-9-18, 1926' FNL, 1874' FWL					
Well Position	+N-S	0.00 ft	Northing:	633,401.61 ft	Latitude:	40° 3' 42.790 N
	+E-W	0.00 ft	Easting:	2,436,939.44 ft	Longitude:	109° 56' 19.800 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,963.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2007-03-13	11.80	65.94	52,742

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)	
	6,125.00	0.00	0.00	2.94	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TPO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,538.08	14.07	2.94	1,528.68	114.46	5.88	1.50	1.50	0.00	2.94	
6,276.58	14.07	2.94	6,125.00	1,265.00	65.00	0.00	0.00	0.00	0.00	Sundance 3-6-9-18 Bl

Scientific Drilling Planning Report

Database: MultiUserEDM
Company: Newfield Exploration Co.
Project: Uintah County, UT
Site: Sundance 3-6-9-18
Well: Sundance 3-6-9-18
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Sundance 3-6-9-18
TVD Reference: GL 4963' & RKB 12' @ 4975.00ft
MD Reference: GL 4963' & RKB 12' @ 4975.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	2.94	699.99	1.31	0.07	1.31	1.50	1.50	0.00
800.00	3.00	2.94	799.91	5.23	0.27	5.23	1.50	1.50	0.00
900.00	4.50	2.94	899.69	11.76	0.60	11.77	1.50	1.50	0.00
1,000.00	6.00	2.94	999.27	20.90	1.07	20.92	1.50	1.50	0.00
1,100.00	7.50	2.94	1,098.57	32.64	1.68	32.68	1.50	1.50	0.00
1,200.00	9.00	2.94	1,197.54	46.97	2.41	47.03	1.50	1.50	0.00
1,300.00	10.50	2.94	1,296.09	63.88	3.28	63.96	1.50	1.50	0.00
1,400.00	12.00	2.94	1,394.16	83.36	4.28	83.47	1.50	1.50	0.00
1,500.00	13.50	2.94	1,491.70	105.40	5.42	105.54	1.50	1.50	0.00
1,538.08	14.07	2.94	1,528.68	114.46	5.88	114.61	1.50	1.50	0.00
1,600.00	14.07	2.94	1,588.74	129.50	6.65	129.67	0.00	0.00	0.00
1,700.00	14.07	2.94	1,685.74	153.78	7.90	153.98	0.00	0.00	0.00
1,800.00	14.07	2.94	1,782.74	178.06	9.15	178.29	0.00	0.00	0.00
1,900.00	14.07	2.94	1,879.74	202.34	10.40	202.61	0.00	0.00	0.00
2,000.00	14.07	2.94	1,976.74	226.62	11.64	226.92	0.00	0.00	0.00
2,100.00	14.07	2.94	2,073.74	250.90	12.89	251.23	0.00	0.00	0.00
2,200.00	14.07	2.94	2,170.74	275.18	14.14	275.54	0.00	0.00	0.00
2,300.00	14.07	2.94	2,267.74	299.46	15.39	299.86	0.00	0.00	0.00
2,400.00	14.07	2.94	2,364.74	323.74	16.63	324.17	0.00	0.00	0.00
2,500.00	14.07	2.94	2,461.74	348.02	17.88	348.48	0.00	0.00	0.00
2,600.00	14.07	2.94	2,558.74	372.30	19.13	372.79	0.00	0.00	0.00
2,700.00	14.07	2.94	2,655.73	396.58	20.38	397.11	0.00	0.00	0.00
2,800.00	14.07	2.94	2,752.73	420.86	21.63	421.42	0.00	0.00	0.00
2,900.00	14.07	2.94	2,849.73	445.14	22.87	445.73	0.00	0.00	0.00
3,000.00	14.07	2.94	2,946.73	469.43	24.12	470.04	0.00	0.00	0.00
3,100.00	14.07	2.94	3,043.73	493.71	25.37	494.36	0.00	0.00	0.00
3,200.00	14.07	2.94	3,140.73	517.99	26.62	518.67	0.00	0.00	0.00
3,300.00	14.07	2.94	3,237.73	542.27	27.86	542.98	0.00	0.00	0.00
3,400.00	14.07	2.94	3,334.73	566.55	29.11	567.30	0.00	0.00	0.00
3,500.00	14.07	2.94	3,431.73	590.83	30.36	591.61	0.00	0.00	0.00
3,600.00	14.07	2.94	3,528.73	615.11	31.61	615.92	0.00	0.00	0.00
3,700.00	14.07	2.94	3,625.73	639.39	32.85	640.23	0.00	0.00	0.00
3,800.00	14.07	2.94	3,722.73	663.67	34.10	664.55	0.00	0.00	0.00
3,900.00	14.07	2.94	3,819.73	687.95	35.35	688.86	0.00	0.00	0.00
4,000.00	14.07	2.94	3,916.73	712.23	36.60	713.17	0.00	0.00	0.00
4,100.00	14.07	2.94	4,013.73	736.51	37.84	737.48	0.00	0.00	0.00
4,200.00	14.07	2.94	4,110.73	760.79	39.09	761.80	0.00	0.00	0.00
4,300.00	14.07	2.94	4,207.73	785.07	40.34	786.11	0.00	0.00	0.00
4,400.00	14.07	2.94	4,304.73	809.35	41.59	810.42	0.00	0.00	0.00
4,500.00	14.07	2.94	4,401.72	833.63	42.83	834.73	0.00	0.00	0.00
4,600.00	14.07	2.94	4,498.72	857.92	44.08	859.05	0.00	0.00	0.00
4,700.00	14.07	2.94	4,595.72	882.20	45.33	883.36	0.00	0.00	0.00
4,800.00	14.07	2.94	4,692.72	906.48	46.58	907.67	0.00	0.00	0.00
4,900.00	14.07	2.94	4,789.72	930.76	47.83	931.99	0.00	0.00	0.00
5,000.00	14.07	2.94	4,886.72	955.04	49.07	956.30	0.00	0.00	0.00
5,100.00	14.07	2.94	4,983.72	979.32	50.32	980.61	0.00	0.00	0.00
5,200.00	14.07	2.94	5,080.72	1,003.60	51.57	1,004.92	0.00	0.00	0.00

Scientific Drilling Planning Report

Database: MultiUserEDM
Company: Newfield Exploration Co.
Project: Uintah County, UT
Site: Sundance 3-6-9-18
Well: Sundance 3-6-9-18
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Sundance 3-6-9-18
 GL 4963' & RKB 12' @ 4975.00ft
 GL 4963' & RKB 12' @ 4975.00ft
 True
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	14.07	2.94	5,177.72	1,027.88	52.82	1,029.24	0.00	0.00	0.00
5,400.00	14.07	2.94	5,274.72	1,052.16	54.06	1,053.55	0.00	0.00	0.00
5,500.00	14.07	2.94	5,371.72	1,076.44	55.31	1,077.86	0.00	0.00	0.00
5,600.00	14.07	2.94	5,468.72	1,100.72	56.56	1,102.17	0.00	0.00	0.00
5,700.00	14.07	2.94	5,565.72	1,125.00	57.81	1,126.49	0.00	0.00	0.00
5,800.00	14.07	2.94	5,662.72	1,149.28	59.05	1,150.80	0.00	0.00	0.00
5,900.00	14.07	2.94	5,759.72	1,173.56	60.30	1,175.11	0.00	0.00	0.00
6,000.00	14.07	2.94	5,856.72	1,197.84	61.55	1,199.42	0.00	0.00	0.00
6,100.00	14.07	2.94	5,953.72	1,222.12	62.80	1,223.74	0.00	0.00	0.00
6,200.00	14.07	2.94	6,050.72	1,246.41	64.04	1,248.05	0.00	0.00	0.00
6,276.58	14.07	2.94	6,125.00	1,265.00	65.00	1,266.67	0.00	0.00	0.00

Sundance 3-6-9-18 BHL

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Sundance 3-6-9-18 BHL - plan hits target - Circle (radius 75.00)	0.00	0.00	6,125.00	1,265.00	65.00	634,667.55	2,436,982.35	40° 3' 55.292 N	109° 56' 18.964 W



April 17, 2007

Ms. Diana Mason
State of Utah, Div. of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11
Sundance Unit UTU-82472X
Various Wells & Locations (See Attached)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill dated 3/29/07 (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Sundance Unit UTU-82472X. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Sundance Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Sundance Unit.

Therefore, based on the above stated information NPC requests that the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

Newfield Production Company

A handwritten signature in cursive script that reads "Marie Liley".

Marie Liley
Land Associate

Enclosures

RECEIVED

APR 20 2007

DIV. OF OIL, GAS & MINING

**DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT
SUNDANCE UNIT UTU-82472X
UINTAH COUNTY, UTAH**

Sundance Federal 14-31-8-18

BLM Lease #s U-74404 (surface) and U-74404 (bottomhole)
2004' FSL, 1986' FWL Section 31 (at surface)
660' FSL, 1932' FWL Section 31 (bottomhole)
T8S-R18E

Sundance Federal 16-31-8-18

BLM Lease #s U-74404 (surface) and U-65969 (bottomhole)
678' FSL, 2216' FEL Section 31 (at surface)
661' FSL, 659' FEL Section 31 (bottomhole)
T8S-R18E

Sundance Federal 13A-33-8-18

BLM Lease #s U-65969 (surface) and U-65969 (bottomhole)
2044' FSL, 773' FWL Section 33 (at surface)
663' FSL, 660' FWL Section 33 (bottomhole)
T8S-R18E

Sundance Federal 8-5-9-18

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)
2131' FNL, 1953' FEL Section 5 (at surface)
1985' FNL, 661' FEL Section 5 (bottomhole)
T9S-R18E

Sundance Federal 2-6-9-18

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)
2546' FNL, 1890' FEL Section 6 (at surface)
661' FNL, 1977' FEL Section 6 (bottomhole)
T9S-R18E

Sundance Federal 3-6-9-18 ✓

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)
1926' FNL, 1874' FWL Section 6 (at surface)
661' FNL, 1939' FWL Section 6 (bottomhole)
T9S-R18E

Sundance Federal 8-6-9-18

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)
1716' FSL, 940' FEL Section 6 (at surface)
1986' FNL, 659' FEL Section 6 (bottomhole)
T9S-R18E

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/17/2003

API NO. ASSIGNED: 43-047-34425

WELL NAME: SUNDANCE FED 3-6-9-18

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENW 06 090S 180E
 SURFACE: 1926 FNL 1874 FWL
 BOTTOM: 0661 FNL 1939 FWL
 COUNTY: UINTAH
 LATITUDE: 40.06187 LONGITUDE: -109.9382
 UTM SURF EASTINGS: 590560 NORTHINGS: 4434954
 FIELD NAME: 8 MILE FLAT NORTH (590)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-65970
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB00192)
- 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)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: SUNDANCE (GRRV)
- R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 228.8
Eff Date: 5-19-2005
Siting: 460' fr U b d of 920' fr other wells.
- R649-3-11. Directional Drill

COMMENTS:

(See Separate file)

STIPULATIONS:

1- See separate attached

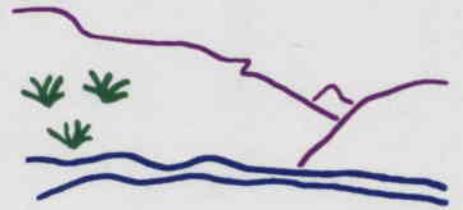


EIGHT MILE FLAT NORTH FIELD

SUNDANCE UNIT
CAUSE: 228-8 / 5-19-2005

EIGHT MILE FLAT UNIT 41-8

OPERATOR: NEWFIELD PROD CO (N2695)
 SEC: 5,6 T.9S R. 18E
 FIELD: EIGHT MILE FLAT NORTH (590)
 COUNTY: UINTAH
 CAUSE: 228-8 / 5-19-2005



Utah Oil Gas and Mining

- Wells Status**
- 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
 - DRILLING

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

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



PREPARED BY: DIANA MASON
 DATE: 03-APRIL-2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-65970

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
SUNDANCE

8. Well Name and No.
SUNDANCE FEDERAL 3-6-9-18

9. API Well No.
43-047-34425

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTH

11. County or Parish, State
UINTAH COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD 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)
661 FNL 1939 FWL SE/NW Section 6, T9S R18E

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.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 5/6/03 (expiration 5/1/07).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED
MAY 01 2007
DIV. OF OIL, GAS & MINING

Date: 05-01-07
By: *[Signature]*

5:30 PM

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

Signed *Mandie Crozier* Title Regulatory Specialist Date 4/30/2007
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: 43-047-34425
Well Name: Sundance Federal 3-6-9-18
Location: SE/NW Section 6,T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 5/6/2003

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

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



Signature

4/30/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410



IN REPLY REFER TO:

3160

UT08300

June 28, 2007

Mandie Crozier
Newfield Production Company
Route 3, Box 3630
Myton, UT 84052

43-047-34425

Re: Well No. Federal 3-6-9-18
NENW, Sec. 6, T9S, R18E
Uintah County, Utah
Lease No. UTU-65970

Dear Ms. Crozier:

The Application for Permit to Drill (APD) the above referenced well submitted April 16, 2003 is being returned unapproved as per your request in a letter dated March 29, 2007 to Chuck Macdonald. This APD was replaced with a new APD that was received on March 30, 2007 as Well No. Sundance Federal 3-6-9-18.

If you have any questions concerning APD processing, please contact me at (435) 781-4455.

Sincerely,

Cindy Severson

Cindy Severson
Land Law Examiner

cc: UDOGM – Diana Mason

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

UTU-65970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

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

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME WELL NO

Federal #3-6-9-18

2. NAME OF OPERATOR

Inland Production Company

9. API WELL NO.

3. ADDRESS OF OPERATOR

Route #3 Box 3630, Myton, UT 84052

10. FIELD AND POOL OR WILDCAT

Eight Mile Flat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At Surface NE/NW 970' FNL 1967' FWL

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

NE/NW

Sec. 6, T9S, R18E

At proposed Prod. Zone

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

Approximately 18.0 miles southeast of Myton, Utah

12. County

Uintah

13. STATE

UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to

Approx. 970' f/lse line

16. NO. OF ACRES IN LEASE

1,036.24

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. 1086'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

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

4955' 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.

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 Mandie Crozier TITLE Regulatory Specialist DATE 4/15/03

(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 rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*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.

RETURNED TO
OPERATOR

JUN 28 2007

RECEIVED

JUL 13 2007

DIV. OF OIL, GAS & MINING

03PS0455A

RECEIVED

MAR 30 2007

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM VERNAL, UTAH

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-65970
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal 3-6-9-18
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047 34425
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 1926' FNL 1874' FWL At proposed prod. zone NE/NW 661' FNL 1939' FWL Lot 3		10. Field and Pool, or Exploratory Eight Mile Flat
14. Distance in miles and direction from nearest town or post office* Approximatley 18.9 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area NE/NW Sec. 6, T9S R18E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 661' /l/ise, 7154' /l/unit	16. No. of Acres in lease 1,036.24	12. County or Parish Uintah
17. Spacing Unit dedicated to this well 40 Acres	18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1367'	13. State UT
19. Proposed Depth 6125'	20. BLM/BIA Bond No. on file UTB000192	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4963' GL	22. Approximate date work will start* 3rd Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 3/29/07
Title Regulatory Specialist		

Approved by (Signature) <i>Jerry Kawaka</i>	Name (Printed/Typed) Jerry Kawaka	Date 1-28-2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the 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, are attached.

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 or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

FEB 01 2008

DIV. OF OIL, GAS & MINING

07PP&135A
No NOS



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Sundance Federal 3-6-9-18
API No: 43-047-34425

Location: SENW, Sec 6, T9S, R18E
Lease No: UTU-65970
Agreement: Sundance Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

General Surface Stipulations:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Specific Surface Stipulations:

- There are two Golden Eagle nests and both are located 0.47 miles N of the proposed location, but is not in line-of-site. With this occurrence there will be a **timing restriction to minimize disturbance for Golden Eagle nesting from February 1- July 15.**
- No surface or occupancy is allowed (does not apply to casual use) within ½ mile of Golden Eagle nests which have been active within the past two years. This restriction would not apply to maintenance and operation of existing programs and facilities. It would not apply if impacts could be mitigated through other management actions or site specific analysis of terrain features.
- Protection of Golden Eagles nest sites as described in the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the Authorized Officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes (for guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820).
- The proposed area contains Mountain Plover habitat. With this occurrence there will be a **timing restriction** during project activity (construction and drilling) to minimize disturbance **during Mountain Plover nesting from May 15 - June 15.**

Lease Notices from RMP:

- The lessee/operator is given notice the area has been identified as containing Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous Hawk and/or its habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Golden Eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and/or its habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments:

- If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).
- **Follow-up Actions and/or Recommendations:**
- **Because the Golden Eagle nest is located more than ¼ mile from the proposed location and is not in line-of-site, the NSO for the Golden Eagle will not apply; however, the timing stipulation will still be in effect.**
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- **No surface disturbance outside of APD proposal is authorized. If other disturbance is necessary, authorization will be proposed in a sundry notice (Form 3160-5) to BLM Authorized Officer. *Sclerocactus brevispinus* surveys may be required prior to approval.**
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.

- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

Reclamation:

Interim seed mix:

Bottlebrush Squirreltail grass	<i>Elymus elymoides</i>	5 lbs/acre
Hy-crest Crested Wheatgrass	<i>Agropyron cristatum</i>	5 lbs/acre
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.5 lbs/acre
Gardner's saltbush	<i>Atriplex gardneri</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia prostrata</i>	0.25 lbs/acre

Final reclamation seed mix:

Bottlebrush Squirreltail grass	<i>Elymus elymoides</i>	5 lbs/acre
Hy-crest Crested Wheatgrass	<i>Agropyron cristatum</i>	5 lbs/acre
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.5 lbs/acre
Gardner's saltbush	<i>Atriplex gardneri</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia prostrata</i>	0.25 lbs/acre

- All pounds are in pure live seed.
 - All seed and mulch will be certified weed free.
 - Drill seeding is the preferred method.
 - Rates are set for drill seeding; double the rate if broadcasting.
 - If broadcasting seed: The seed will be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain.
 - Reseeding may be required if initial seeding is not successful.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- None

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and

Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in

order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: SUNDANCE FED 3-6-9-18

Api No: 43-047-34425 Lease Type: FEDERAL

Section 06 Township 09S Range 18E County UINTAH

Drilling Contractor ROSS DRILLING RIG # 21

SPUDDED:

Date 04/13/08

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by JUSTIN CRUM

Telephone # (435) 823-6733

Date 04/15/08 Signed CHD

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
 ADDRESS: RT. 3 BOX 3630
MYTON, UT 84062

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16803	4304736301	FEDERAL 3-3-9-18	NENW	3	9S	18E	UINTAH	4/11/2008	4/28/08
WELL # COMMENTS: <i>GRRV</i>											
B	99999	14844	4304734013	<i>Sundance</i> FEDERAL 2-6-9-18	NWNE	6	9S	18E	UINTAH	4/12/2008	4/28/08
<i>GRRV BHL = NWNE Sundance Unit</i>											
B	99999	14844	4304734425	<i>Sundance</i> FEDERAL 3-6-9-18	NENW	6	9S	18E	UINTAH	4/13/2008	4/28/08
<i>GRRV BHL = NENW Sundance Unit</i>											
B	99999	16804	4301332951	ASHLEY FED 16-25-9-15	SESE	25	9S	15E	DUCHESNE	4/12/2008	4/28/08
<i>GRRV NOT IN UNIT PA YET</i>											
A	99999	16805	4301333848	STATE 4-16-9-16	NWNW	16	9S	16E	DUCHESNE	4/1/2008	4/28/08
<i>GRRV</i>											
B	99999	16806	4301333604	ASHLEY FED 1-27-9-15	NWNW	26	9S	15E	DUCHESNE	4/15/2008	4/28/08
<i>GRRV BHL Sec 27 Sec NENE NOT IN UNIT PA YET</i>											

- ACTION CODES (See instructions on back of form)
- A - a new entity for new well (single well only)
 - B - well is existing entity (group or individual well)
 - C - from one existing entity to another existing entity
 - D - well from one existing entity to a new entity
 - E - thru (explain in comments section)

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

[Signature]
 Signature
 Jentri Park
 Production Clerk
 Date: 04/18/08

DIV. OF OIL, GAS & MINING

APR 17 2008

RECEIVED

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.

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 area code)

435.646.3721

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

T26 ENE 1874 FWL

NENW Section 6 T9S R18E

5. Lease Serial No.

USA UTU-65970

6. If Indian, Allottee or Tribe Name.

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

SUNDANCE UNIT

8. Well Name and No.

SUNDANCE FEDERAL 3-6-9-18

9. API Well No.

4304734425

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	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

On 4/13/08 MIRU Ross Rig # 21. Spud well @ 8:00 AM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.72 KB On 4/15/08 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 5 bbls cement to pit. WOC.

NENW Section 6 T9S R18E

TYPE OF SUBMISSION

Notice of Intent

Subsequent Report

Final Abandonment

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

Signature Alvin Nielsen

Title
Drilling Foreman

Date
04/20/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

Title _____ Date _____
Office _____

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

(Instructions on reverse)

RECEIVED
APR 22 2008

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 324.72

LAST CASING 8 5/8" set @ 322.92
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER: 320' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Sundance Federal 3-6-9-18
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Ross # 21

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.67'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	305.72
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	314.72
TOTAL LENGTH OF STRING	314.72	7	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	324.72

HOLE SIZE TOTAL	312.87	7	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	312.87	7	

TIMING CASING				1ST STAGE
BEGIN RUN CSG	Spud	4/14/2008	12:00 PM	GOOD CIRC THRU JOB <u>Yes</u>
CSG IN HOLE		4/14/2008	1:00 PM	Bbls CMT CIRC TO SURFACE <u>5</u>
BEGIN CIRC		4/15/2008	8:26 AM	RECIPROCATED PIPE FOR <u>N/A</u>
BEGIN PUMP CMT		4/15/2008	8:34 AM	
BEGIN DSPL. CMT		4/15/2008	8:45 AM	BUMPED PLUG TO <u>No</u> PSI
PLUG DOWN		4/15/2008	8:54 AM	

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	#SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT SHOW MAKE & SPACING
 Centralizers - Middle first, top second & third for 3

COMPRANY REPRESENTATIVE Ryan Crum **DATE** 4/15/2008

BEGIN PUMP CMT
 BEGIN DSPL
 PLUG DOWN
 CE
 ST

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.

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. USA UTU-65970
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 SUNDANCE UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1926 FNL 1874 FWL NENW Section 6 T9S R18E		8. Well Name and No. SUNDANCE FEDERAL 3-6-9-18
		9. API Well No. 4304734425
		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	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

On 4-23-08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 279'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6214'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 129 jt's of 5.5 J-55, 15.5# csgn. Set @ 6218' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Lost returns when starting to displace never regained returns. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 6:00 PM on 5/5/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Rvan Crum	Title Drilling Foreman
Signature 	Date 05/06/2008

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
MAY 12 2008
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6218.32

Flt c/r @ 6174.52

LAST CASING 8 5/8" SET AT 324.72'
 DATUM 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 6214' LOGGER _____
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company
 WELL Sundance Fed 3-6-9-18
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI # 2
 TVD _____

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt @ 3979' (6.00')					
144	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6176.52
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.55
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6220.32
TOTAL LENGTH OF STRING		6220.32	141	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		256.49	6	CASING SET DEPTH			6218.32
TOTAL		6461.56	151	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6461.56	151				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.				GOOD CIRC THRU JOB _____			
CSG. IN HOLE				Bbls CMT CIRC TO SURFACE _____			
BEGIN CIRC				RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT				DID BACK PRES. VALVE HOLD ? _____			
BEGIN DSPL. CMT				BUMPED PLUG TO _____ PSI			
PLUG DOWN							
CEMENT USED				CEMENT COMPANY- B. J.			
STAGE	# SX			CEMENT TYPE & ADDITIVES			
1		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		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 Alvin Nielsen DATE _____

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.

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. USA UTU-65970
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 SUNDANCE UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1926 FNL 1874 FWL NENW Section 6 T9S R18E		8. Well Name and No. SUNDANCE FEDERAL 3-6-9-18
		9. API Well No. 4304734425
		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	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

On 4-23-08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 279'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6214'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 129 jt's of 5.5 J-55, 15.5# csgn. Set @ 6218' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Lost returns when starting to displace never regained returns. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 6:00 PM on 5/5/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Rvan Crum	Title Drilling Foreman
Signature 	Date 05/06/2008

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	

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(Instructions on reverse)

RECEIVED
MAY 12 2008
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6218.32

Flt c/r @ 6174.52

LAST CASING 8 5/8" SET AT 324.72'
 DATUM 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 6214' LOGGER _____
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company
 WELL Sundance Fed 3-6-9-18
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI # 2
 TVD _____

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt @ 3979' (6.00')					
144	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6176.52
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.55
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		6220.32
TOTAL LENGTH OF STRING			6220.32	141	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			256.49	6	CASING SET DEPTH		6218.32
TOTAL			6461.56	151	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			6461.56	151			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.					GOOD CIRC THRU JOB _____		
CSG. IN HOLE					Bbls CMT CIRC TO SURFACE _____		
BEGIN CIRC					RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE		
BEGIN PUMP CMT					DID BACK PRES. VALVE HOLD ? _____		
BEGIN DSPL. CMT					BUMPED PLUG TO _____ PSI		
PLUG DOWN							
CEMENT USED			CEMENT COMPANY- B. J.				
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1		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		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 Alvin Nielsen DATE _____

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-65970

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
SUNDANCE UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
SUNDANCE FEDERAL 3-6-9-18

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304734425

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

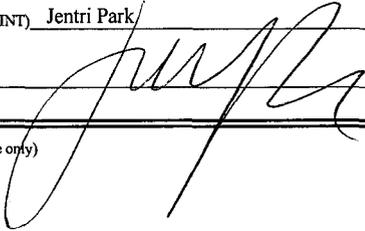
4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1926 FNL 1874 FWL
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 6, T9S, R18E

COUNTY: UINTAH
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"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/23/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above subject well was completed on 06-02-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk
SIGNATURE  DATE 06/23/2008

(This space for State use only)

RECEIVED
JUN 30 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 3-6-9-18**3/1/2008 To 7/30/2008****5/21/2008 Day: 1****Completion**

Rigless on 5/20/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6119' & cement top @ 2330'. Perforate stage #1. CP3 sds @ 5828- 36', CP2 sds @ 5786- 97' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. 147 BWTR. SIFN.

5/28/2008 Day: 2**Completion**

Rigless on 5/27/2008 - Stage #1 CP2 & CP3 sds. RU BJ Services. 0 psi on well. Frac CP2 & CP3 sds w/ 29,436#'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Broke @ 2700 psi. Treated w/ ave pressure of 1950 psi w/ ave rate of 26.9 BPM. ISIP 1794 psi. Leave pressure on well. 549 BWTR. Stage #2 LODC sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 10' perf guns. Set plug @ 5500'. Perforate LODC sds @ 5396-5406' & 5361-71' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 80 shots. RU BJ Services. 1324 psi on well. Frac LODC sds w/ 74,859#'s of 20/40 sand in 614 bbls of Lightning 17 fluid. Broke @ 3289 psi. Treated w/ ave pressure of 1667 psi w/ ave rate of 23.4 BPM. ISIP 1608 psi. Leave pressure on well. 1163 BWTR. Stage #3 B1 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 19' perf gun. Set plug @ 5230'. Perforate B1 sds @ 5115-34' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 76 shots. RU BJ Services. 1320 psi on well. Frac LODC sds w/ 90,000#'s of 20/40 sand in 690 bbls of Lightning 17 fluid. Broke @ 3373 psi. Treated w/ ave pressure of 1095 psi w/ ave rate of 26.9 BPM. ISIP 1652 psi. Leave pressure on well. 1853 BWTR. Stage #4 GB6 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 18' perf gun. Set plug @ 4500'. Perforate GB6 sds @ 4389-4407' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 72 shots. RU BJ Services. 890 psi on well. Frac GB6 sds w/ 69,177#'s of 20/40 sand in 555 bbls of Lightning 17 fluid. Broke @ 1882 psi. Treated w/ ave pressure of 2036 psi w/ ave rate of 26.6 BPM. ISIP 2074 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 5 hrs. & died. Recovered 270 bbls water. SWIFN.

5/29/2008 Day: 3**Completion**

Basin #2 Swabbing on 5/28/2008 - MIRU BS#2. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe rack (tallying & drifting tbg.). Tag CBP @ 4500'. RU powerswivel & pump. SWIFN.

5/30/2008 Day: 4**Completion**

Basin #2 Swabbing on 5/29/2008 - RIH w/ tbg. Tag sand @ 4200'. C/O to CBP @ 4500'. DU CBP in 25 min. Cont. RIH w/ tbg. Tag 5130'. C/O to CBP @ 5230'. DU CBP in 17 min. Cont. RIH w/ tbg. Tag 4480'. C/O to CBP @ 5500'. DU CBP in 22 min. Cont. RIH w/ tbg. Tag sand @ 5876'. C/O to PBDT @ 6174'. Circulate well clean. Pull up to 6080'. RIH w/ swab. SFL @ surface. Made 5 runs. Recovered 60 bbls water.

EFL @ 300'. SWIFN.

5/31/2008 Day: 5

Completion

Basin #2 Swabbing on 5/30/2008 - RIH w/ swab. SFL @ surface. Made 13 runs. Recovered 90 bbls. Trace of oil. No show of sand. EFL @ 1200'. RD swab. RIH w/ tbg. Tag sand @ 6169'. C/O to PBD @ 6174'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 185 jts 2 7/8" tbg. ND BOP. Set TAC @ 5811' w/ 15,000# tension. NU wellhead. X-over for rods. SWIFN.

6/3/2008 Day: 6

Completion

Basin #2 Swabbing on 6/2/2008 - Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump, 4- 1 1/2" weight bars, 228- 7/8" guided rods, 1- 8', 6', 2- 4', 1- 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. RU pumping unit. Hang off rods. RD. Put well on production @ 4:00 p.m. 150" stroke, 5 spm. Final Report.

Pertinent Files: Go to File List

(See other instructions on reverse side)

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

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-65970

6. IF INDIAN ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Sundance Federal

8. FARM OR LEASE NAME, WELL NO.

Sundance Federal 3-6-9-18

9. WELL NO.

43-047-34425

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 6, T9S, R18E

12. COUNTY OR PARISH

Uintah

13. STATE

UT

19. ELEV. CASINGHEAD

4975' KB

20. TOTAL DEPTH, MD & TVD

6225' 609.12

21. PLUG BACK T.D., MD & TVD

6174' 6035

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 4389'-5836'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

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#	325'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6218'	7-7/8"	350 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5908'	TA @ 5811'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP3 &2) 5828'-36', 5786'-97'	.49"	4/76	5786'-5836'	Frac w/ 29,436# 20/40 sand in 402 bbls fluid
(LODC) 5396'-5406', 5361'-5371'	.369"	4/80	5361'-5406'	Frac w/ 74,859# 20/40 sand in 614 bbls fluid
(B1) 5115'-5134'	.369"	4/76	5115'-5134'	Frac w/ 90,000# 20/40 sand in 690 bbls fluid
(GB6) 4389'-4407'	.369"	4/72	4389'-4407'	Frac w/ 69,177# 20/40 sand in 555 bbls fluid

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

33.* PRODUCTION

DATE FIRST PRODUCTION 06-12-08	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 16' x20' RHAC CDI rod pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 06-14-08	HOURS TESTED	CHOKE SIZE	PROD.N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
			----->	52	27	37	519
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

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

Sold & Used for Fuel

RECEIVED

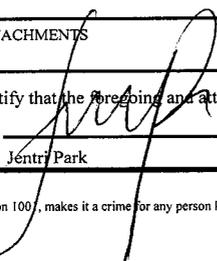
JUL 14 2008

35. LIST OF ATTACHMENTS

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

DIV. OF OIL, GAS & MINING

SIGNED



TITLE

Production Tech

DATE

7/10/2008

Jentry Park

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Sundance Federal 3-6-9-18			
				Garden Gulch Mkr	3849'	
				Garden Gulch 1	4032'	
				Garden Gulch 2	4147'	
				Point 3 Mkr	4416'	
				X Mkr	4653'	
				Y-Mkr	4688'	
				Douglas Creek Mkr	4824'	
				BiCarbonate Mkr	5052'	
				B Limestone Mkr	5170'	
				Castle Peak	5669'	
				Basal Carbonate	6098'	
				Total Depth (LOGGERS)	6217'	



**Scientific
Drilling**

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

RE: _____	Newfield Exploration Co.	Operator
_____	Sundance Federal 3-6-9-18	Well Name & No.
_____	Uintah County, UT	County & State
_____	42DEF0804301	SDI Job No.

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 354 feet to a measured depth of 6225 feet is true and correct as determined from all available records.

Julie Cruse
Signature

Rockies Region Engineer
Title

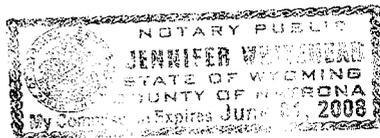
Scientific Drilling International
Company

State of : Wyoming }
 County of : Natrona } ss

On this 7th day of May, 2008, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal Jennifer Whithead
Notary Public

June 01, 2008
My Commission Expires

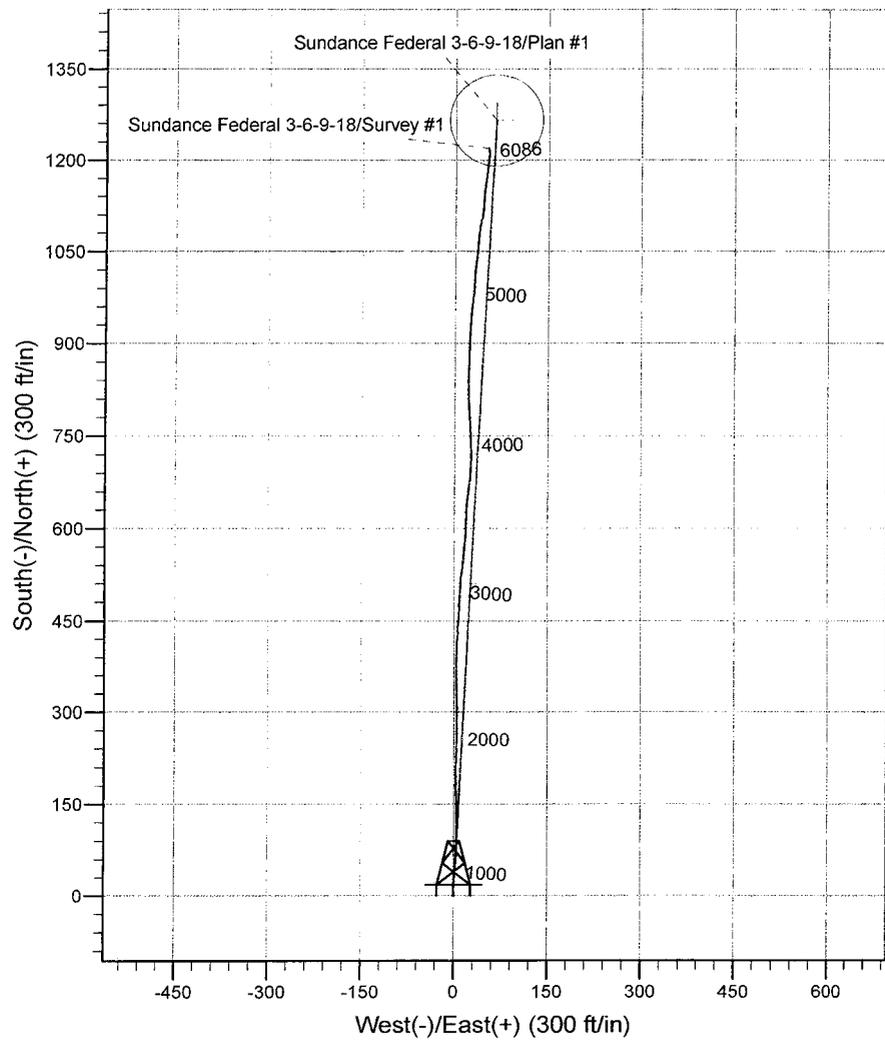
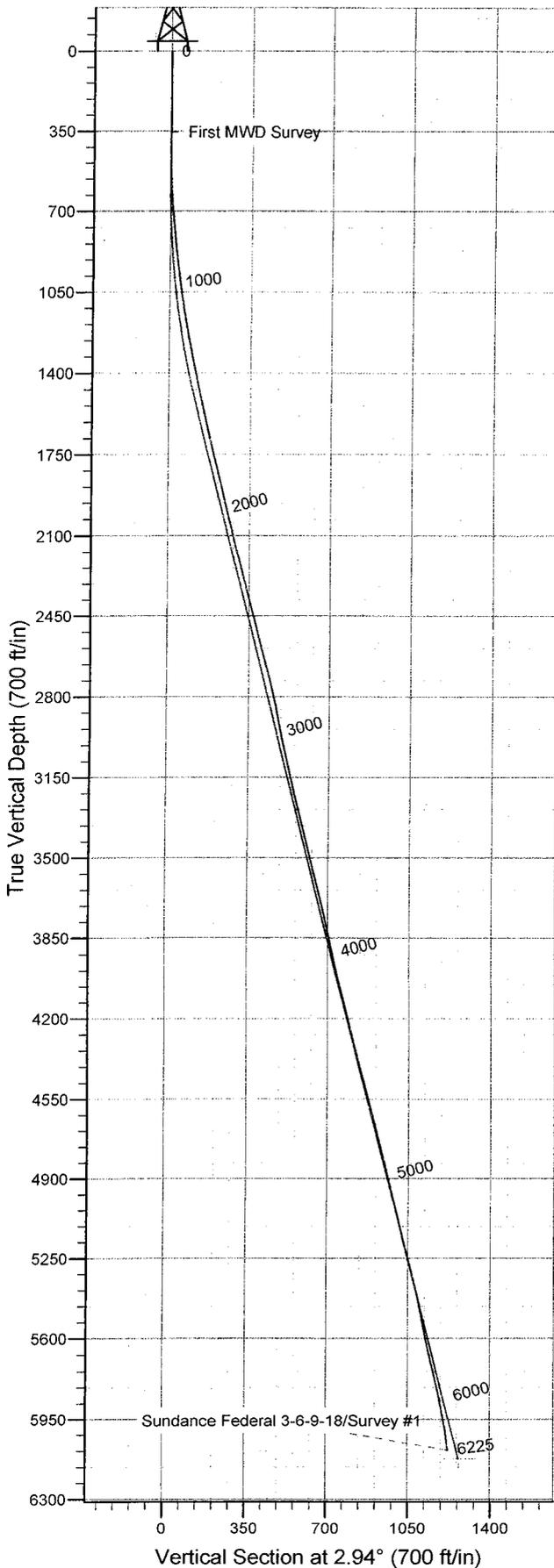




Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT NAD83 UTC
 Site: Sundance Federal 3-6-9-18
 Well: Sundance Federal 3-6-9-18
 Wellbore: OH
 Design: OH

Newfield Exploration Co.



WELL DETAILS: Sundance Federal 3-6-9-18

Ground Level: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	7195093.42	2077343.89	40° 3' 42.790 N	109° 56' 19.800 W		

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Sundance Federal 3-6-9-18, True North
 Vertical (TVD) Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
 Calculation Method: Minimum Curvature
 Local North: True
 Location: Sec 6 T9S R18E

PROJECT DETAILS: Uintah County, UT NAD83 UTC Survey: Survey #1 (Sundance Federal 3-6-9-18/OH)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone

Created By: Julie Cruse Date: 2008-05-07

Newfield Exploration Co.

Uintah County, UT NAD83 UTC

Sundance Federal 3-6-9-18

Sundance Federal 3-6-9-18

OH

Survey: Survey #1

Standard Survey Report

07 May, 2008

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Uintah County, UT NAD83 UTC
Site: Sundance Federal 3-6-9-18
Well: Sundance Federal 3-6-9-18
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sundance Federal 3-6-9-18
TVD Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
MD Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Sundance Federal 3-6-9-18, Sec 6 T9S R18E				
Site Position:		Northing:	7,195,093.44 ft	Latitude:	40° 3' 42.790 N
From:	Lat/Long	Easting:	2,077,343.89 ft	Longitude:	109° 56' 19.800 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	1.00 °

Well	Sundance Federal 3-6-9-18, 1926' FNL, 1874' FWL					
Well Position	+N/-S	0.00 ft	Northing:	7,195,093.42 ft	Latitude:	40° 3' 42.790 N
	+E/-W	0.00 ft	Easting:	2,077,343.89 ft	Longitude:	109° 56' 19.800 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,963.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-04-20	11.66	65.92	52,638

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	2.94	

Survey Program	Date	2008-05-07			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
354.00	6,225.00	Survey #1 (OH)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
354.00	0.34	144.79	354.00	-0.86	0.61	-0.83	0.10	0.10	0.00
384.00	0.30	99.46	384.00	-0.94	0.73	-0.90	0.83	-0.13	-151.10
415.00	0.26	56.95	415.00	-0.92	0.87	-0.87	0.67	-0.13	-137.13
446.00	0.58	1.63	446.00	-0.72	0.94	-0.67	1.56	1.03	-178.45
476.00	1.15	8.00	475.99	-0.27	0.98	-0.22	1.92	1.90	21.23
507.00	1.81	0.66	506.98	0.52	1.03	0.58	2.21	2.13	-23.68
538.00	2.01	356.35	537.97	1.56	1.00	1.61	0.79	0.65	-13.90
569.00	2.46	353.72	568.94	2.76	0.90	2.80	1.49	1.45	-8.48
599.00	3.35	351.26	598.90	4.27	0.69	4.30	2.99	2.97	-8.20
630.00	3.88	355.39	629.84	6.21	0.47	6.22	1.90	1.71	13.32
661.00	4.20	355.41	660.76	8.38	0.29	8.39	1.03	1.03	0.06
691.00	4.57	356.68	690.68	10.67	0.14	10.67	1.28	1.23	4.23

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Uintah County, UT NAD83 UTC
Site: Sundance Federal 3-6-9-18
Well: Sundance Federal 3-6-9-18
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sundance Federal 3-6-9-18
TVD Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
MD Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
722.00	4.83	357.39	721.57	13.21	0.01	13.19	0.86	0.84	2.29
753.00	5.11	0.68	752.46	15.89	-0.04	15.87	1.29	0.90	10.61
783.00	5.60	2.21	782.32	18.69	0.04	18.67	1.70	1.63	5.10
814.00	6.34	4.74	813.16	21.91	0.24	21.89	2.53	2.39	8.16
845.00	6.33	5.25	843.97	25.32	0.53	25.31	0.18	-0.03	1.65
876.00	6.74	6.64	874.77	28.83	0.90	28.83	1.42	1.32	4.48
907.00	6.93	5.82	905.54	32.49	1.30	32.52	0.69	0.61	-2.65
937.00	6.63	5.83	935.33	36.02	1.66	36.05	1.00	-1.00	0.03
968.00	6.95	6.16	966.12	39.66	2.04	39.71	1.04	1.03	1.06
1,000.00	7.67	3.85	997.86	43.72	2.39	43.78	2.43	2.25	-7.22
1,031.00	8.04	4.27	1,028.57	47.94	2.69	48.02	1.21	1.19	1.35
1,062.00	8.35	5.98	1,059.25	52.34	3.09	52.43	1.27	1.00	5.52
1,094.00	8.72	6.81	1,090.90	57.06	3.62	57.17	1.22	1.16	2.59
1,125.00	9.08	5.19	1,121.52	61.83	4.12	61.96	1.41	1.16	-5.23
1,156.00	9.55	1.50	1,152.11	66.84	4.41	66.98	2.45	1.52	-11.90
1,188.00	9.72	359.88	1,183.66	72.19	4.47	72.33	1.00	0.53	-5.06
1,219.00	10.49	2.03	1,214.18	77.63	4.57	77.76	2.77	2.48	6.94
1,250.00	11.06	0.18	1,244.63	83.42	4.68	83.55	2.15	1.84	-5.97
1,282.00	11.32	1.53	1,276.03	89.63	4.77	89.76	1.15	0.81	4.22
1,313.00	11.09	359.96	1,306.44	95.66	4.85	95.78	1.23	-0.74	-5.06
1,345.00	11.46	0.25	1,337.82	101.91	4.86	102.03	1.17	1.16	0.91
1,376.00	11.92	359.83	1,368.17	108.19	4.86	108.30	1.51	1.48	-1.35
1,407.00	11.93	358.62	1,398.51	114.60	4.78	114.69	0.81	0.03	-3.90
1,440.00	11.93	359.40	1,430.79	121.42	4.66	121.50	0.49	0.00	2.36
1,469.00	12.23	358.74	1,459.15	127.49	4.56	127.55	1.14	1.03	-2.28
1,500.00	12.75	359.48	1,489.42	134.19	4.46	134.24	1.76	1.68	2.39
1,532.00	12.62	358.90	1,520.64	141.22	4.36	141.25	0.57	-0.41	-1.81
1,626.00	13.27	358.02	1,612.25	162.27	3.79	162.25	0.72	0.69	-0.94
1,718.00	13.65	358.84	1,701.72	183.67	3.20	183.59	0.46	0.41	0.89
1,813.00	13.69	0.86	1,794.03	206.12	3.15	206.01	0.50	0.04	2.13
1,905.00	13.35	3.23	1,883.48	227.61	3.91	227.51	0.71	-0.37	2.58
1,999.00	13.63	0.77	1,974.89	249.52	4.67	249.43	0.68	0.30	-2.62
2,091.00	13.43	359.26	2,064.33	271.04	4.68	270.92	0.44	-0.22	-1.64
2,185.00	14.06	0.16	2,155.64	293.38	4.57	293.22	0.71	0.67	0.96
2,279.00	14.39	0.22	2,246.76	316.47	4.64	316.30	0.35	0.35	0.06
2,371.00	14.82	358.48	2,335.79	339.67	4.38	339.44	0.67	0.47	-1.89
2,466.00	14.11	359.00	2,427.78	363.39	3.85	363.11	0.76	-0.75	0.55
2,561.00	14.66	1.52	2,519.80	386.99	3.97	386.68	0.88	0.58	2.65
2,654.00	14.99	2.42	2,609.70	410.77	4.79	410.47	0.43	0.35	0.97
2,750.00	14.84	3.82	2,702.47	435.44	6.13	435.18	0.41	-0.16	1.46
2,843.00	12.77	3.71	2,792.78	457.58	7.59	457.37	2.23	-2.23	-0.12
2,938.00	11.00	2.04	2,885.74	477.12	8.59	476.93	1.90	-1.86	-1.76
3,031.00	12.11	2.66	2,976.85	495.73	9.36	495.56	1.20	1.19	0.67
3,123.00	13.32	6.91	3,066.59	515.89	11.08	515.78	1.66	1.32	4.62
3,212.00	13.37	6.10	3,153.19	536.30	13.41	536.28	0.22	0.06	-0.91
3,306.00	12.91	4.44	3,244.73	557.58	15.38	557.63	0.63	-0.49	-1.77
3,400.00	14.36	5.33	3,336.08	579.65	17.27	579.78	1.56	1.54	0.95
3,493.00	13.90	1.87	3,426.27	602.30	18.71	602.47	1.03	-0.49	-3.72
3,585.00	14.12	2.22	3,515.53	624.56	19.50	624.74	0.26	0.24	0.38
3,678.00	14.51	6.13	3,605.64	647.48	21.19	647.71	1.12	0.42	4.20
3,772.00	13.84	6.90	3,696.78	670.35	23.80	670.69	0.74	-0.71	0.82
3,867.00	12.12	3.35	3,789.35	691.59	25.74	692.00	1.99	-1.81	-3.74
3,959.00	12.48	1.54	3,879.24	711.17	26.58	711.59	0.57	0.39	-1.97
4,021.00	12.52	358.75	3,939.77	724.58	26.61	724.99	0.98	0.06	-4.50

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Uintah County, UT NAD83 UTC
Site: Sundance Federal 3-6-9-18
Well: Sundance Federal 3-6-9-18
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sundance Federal 3-6-9-18
TVD Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
MD Reference: GL 4963' & RKB 12' @ 4975.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,113.00	13.54	357.98	4,029.40	745.32	26.01	745.67	1.12	1.11	-0.84
4,208.00	13.85	355.54	4,121.70	767.77	24.74	768.02	0.69	0.33	-2.57
4,301.00	14.07	356.78	4,211.95	790.15	23.24	790.30	0.40	0.24	1.33
4,394.00	13.77	357.06	4,302.22	812.49	22.03	812.55	0.33	-0.32	0.30
4,488.00	14.63	1.68	4,393.35	835.53	21.81	835.55	1.51	0.91	4.91
4,580.00	14.57	2.53	4,482.38	858.70	22.66	858.74	0.24	-0.07	0.92
4,674.00	13.96	0.08	4,573.48	881.86	23.20	881.88	0.91	-0.65	-2.61
4,768.00	14.53	2.38	4,664.59	904.98	23.70	905.00	0.85	0.61	2.45
4,863.00	13.28	2.72	4,756.81	927.78	24.71	927.83	1.32	-1.32	0.36
4,954.00	13.60	5.54	4,845.32	948.87	26.24	948.97	0.80	0.35	3.10
5,046.00	13.58	7.80	4,934.74	970.34	28.75	970.54	0.58	-0.02	2.46
5,140.00	13.29	1.32	5,026.18	992.08	30.50	992.33	1.63	-0.31	-6.89
5,233.00	13.90	5.58	5,116.57	1,013.88	31.83	1,014.18	1.26	0.66	4.58
5,328.00	14.98	6.65	5,208.57	1,037.43	34.36	1,037.83	1.17	1.14	1.13
5,419.00	13.53	3.75	5,296.77	1,059.74	36.42	1,060.21	1.78	-1.59	-3.19
5,512.00	13.00	6.53	5,387.29	1,080.99	38.32	1,081.53	0.89	-0.57	2.99
5,605.00	11.14	14.15	5,478.23	1,100.09	41.71	1,100.78	2.63	-2.00	8.19
5,698.00	10.39	4.20	5,569.60	1,117.17	44.52	1,117.98	2.15	-0.81	-10.70
5,789.00	13.92	4.05	5,658.55	1,136.28	45.90	1,137.14	3.88	3.88	-0.16
5,881.00	12.98	6.90	5,748.02	1,157.58	47.92	1,158.51	1.25	-1.02	3.10
5,974.00	11.73	5.44	5,838.87	1,177.36	50.07	1,178.37	1.39	-1.34	-1.57
6,069.00	10.87	7.77	5,932.03	1,195.84	52.20	1,196.95	1.02	-0.91	2.45
6,172.00	7.59	357.25	6,033.69	1,212.27	53.18	1,213.40	3.57	-3.18	-10.21
6,225.00	7.59	357.25	6,086.22	1,219.26	52.85	1,220.37	0.00	0.00	0.00

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Sundance 3-6-9-18 BHL	0.00	0.00	6,125.00	1,265.03	65.00	7,196,359.39	2,077,386.80	40° 3' 55.292 N	109° 56' 18.964 W
- survey misses target center by 61.21ft at 6225.00ft MD (6086.22 TVD, 1219.26 N, 52.85 E)									
- Circle (radius 75.00)									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
354.00	354.00	-0.86	0.61	First MWD Survey
6,225.00	6,086.22	1,219.26	52.85	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
http://www.epa.gov/region8

Ref: 8P-W-GW

JUL 30 2009

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

Re: Final Permit
EPA UIC Permit UT21234-08388
Sundance Federal 3-6-9-18
SE NW Sec. 6-T9S-R18E
Uintah County, Utah
API No.: 43-047-34425

Dear Mr. Sundberg:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Sundance Federal 3-6-9-18 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on JUL 23 2009. No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C.1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit. The EPA forms referenced in the permit are available at <http://www.epa.gov/safewater/uic/reportingforms.html>. Guidance documents for Cement Bond Logging, Radioactive Tracer testing, Step Rate testing, Mechanical Integrity demonstration, Procedure in the Event of a Mechanical Integrity Loss, and other UIC guidances, are available at http://www.epa.gov/region8/water/uic/deep_injection.html. Upon request, hard copies of the EPA forms and guidances can be provided.

RECEIVED
AUG 06 2009

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

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

Sincerely,



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

enclosure: Final UIC Permit
Statement of Basis

cc: Letter:

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

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

cc: all enclosures:

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



Larry Love
Director
Energy & Minerals Dept.
Ute Indian Tribe

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Gilbert Hunt
Associate Director
State of Utah - Natural Resources

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





**UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT**

PREPARED: July 2009

Permit No. UT21234-08388

Class II Enhanced Oil Recovery Injection Well

**Sundance Federal 3-6-9-18
Uintah County, UT**

Issued To

Newfield Production Company

1001 Seventeenth Street, Suite 2000

Denver, CO 80202

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

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

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

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

Sundance Federal 3-6-9-18
Bottom Hole: 661' FNL & 1939' FWL., SENW S6, T9S, R18E
Uintah County, UT

EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: JUL 30 2009

Effective Date JUL 30 2009



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

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

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

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

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

1. Casing and Cement.

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

2. Injection Tubing and Packer.

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

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

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

4. Well Logging and Testing

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

5. Postponement of Construction or Conversion

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

6. Workovers and Alterations

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

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

Section B. MECHANICAL INTEGRITY

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

An injection well has mechanical integrity if:

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

1. Demonstration of Mechanical Integrity (MI).

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

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

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

2. Mechanical Integrity Test Methods and Criteria

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

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

3. Notification Prior to Testing.

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

4. Loss of Mechanical Integrity.

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

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

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

Section C. WELL OPERATION

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

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

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

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
 - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
 - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

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

3. Injection Pressure Limitation

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

4. Injection Volume Limitation.

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

5. Injection Fluid Limitation.

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

6. Tubing-Casing Annulus (TCA)

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

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

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

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

Monitoring records must include:

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

2. Monitoring Methods.

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

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

3. Records Retention.

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

4. Annual Reports.

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

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

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

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

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement 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 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

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

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

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

5. Plugging and Abandonment Report.

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

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

6. Inactive Wells.

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

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

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

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

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

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

2. Conversions.

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

3. Transfer of Permit.

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

4. Permittee Change of Address.

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

5. Construction Changes, Workovers, Logging and Testing Data

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

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

Section C. SEVERABILITY

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

Section D. CONFIDENTIALITY

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

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

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

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

2. Duty to Reapply.

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

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

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

4. Duty to Mitigate.

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

5. Proper Operation and Maintenance.

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

6. Permit Actions.

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

7. Property Rights.

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

8. Duty to Provide Information.

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

9. Inspection and Entry.

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

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

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

10. Signatory Requirements.

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

11. Reporting Requirements.

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

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

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

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

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

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

2. Insolvency.

In the event of:

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

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

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

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

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

Sundance Federal No. 3-6-9-18 was drilled to a total depth of 6,225 feet (KB) feet in the Basal Carbonate Member. Plug back total depth (PBSD) is 6,174 feet.

Surface casing (8-5/8 inch) was set at a depth of 325 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 6,218 feet (KB) in a 7-7/8 inch hole with 350 sacks of Premium Lite II mixed and 450 sacks of 50/50 Pozmix. Top of cement by Cement Bond Log is 2,370 feet from surface.

CBL analysis does not identify adequate 80% bond index cement bond within the Confining Zone. A successful Part II (External) Mechanical Integrity Test (MI) will demonstrate that well construction is adequate to protect USDWs.

The schematic diagram shows enhanced recovery injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3,852 feet (top of Garden Gulch Member) and the estimated top of the Wasatch Formation (6,222 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

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

UT 21234-08388

Sundance Federal 3-6-9-18

Spud Date: 4-13-08
Put on Production: 6-02-08
GL: 4963' KB: 4975'

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (305.72')

DEPTH LANDED: 325'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt

Base USDWs 205'

325'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6176.52')

HOLE SIZE: 7-7/8"
TOTAL DEPTH: 6218'
CEMENT DATA: 350 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 2370'

Alcoa River 1435'

Cement top @2370'

*2990'-3026' T1012
3026'-3040' Mahogany bench
3832'-3852' Confining Zone
3852' Gardner Gulch*

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 185 jts (5798.781')
TUBING ANCHOR: 5810.78'
NO. OF JOINTS: 1 jts (31.65')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5845.23' KB
NO. OF JOINTS: 2 jts (63.07')
TOTAL STRING LENGTH: EOT @ 5907.85' w/12' KB

Packer @ 4354'
4389-4407'

4826' Douglas Creek
5115-5134'

5141'-5162' 80% Bond
5361-5406'
5396-5406'

5786-5797'
5828-5836'

PERFORATION RECORD

4389-4407'	4 JSPF	72 holes
5115-5134'	4 JSPF	76 holes
5361-5371'	4 JSPF	40 holes
5396-5406'	4 JSPF	40 holes
5786-5797'	4 JSPF	44 holes
5828-5836'	4 JSPF	32 holes

6097' Basal Carbonate

PBTD @ 6174'

SHOE @ 6177'

TD @ 6225'

Est Watch 6222'

NEWFIELD



Sundance Federal 3-6-9-18

Surface: 1926' FNL - 1974' FNL (SE NW)
Section 6 - T9S-R18E
Uintah Co, Utah
API #43-047-34425; Lease #UTU-65970

TD LOC: 661' FNL - 1939' FNL (NE NW)

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

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

NO LOGGING REQUIREMENTS

Tests.

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

WELL NAME: Sundance Federal 3-6-9-18	
TYPE OF TEST	DATE DUE
Radioactive Tracer Survey (2)	Within a 180-day limited authorization to inject period and at least once within any five (5) year period following the last successful test.
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once within any five (5) year period following the last successful test.
Pore Pressure	Prior to receiving authorization to inject.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

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

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi)
	ZONE 1 (Upper)
Sundance Federal 3-6-9-18	1,185

INJECTION INTERVAL(S):

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

WELL NAME: Sundance Federal 3-6-9-18	APPROVED INJECTION INTERVAL (GL, ft)		FRACTURE GRADIENT (psi/ft)
	TOP	BOTTOM	
FORMATION NAME			
Green River	3,852.00	6,222.00	0.710

ANNULUS PRESSURE:

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

MAXIMUM INJECTION VOLUME:

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

APPENDIX D

MONITORING AND REPORTING PARAMETERS

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

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbbls)
ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH
ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and minimum annulus pressure(s) (psig)
	Each month's injected volume (bbl)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

In addition to these items, additional Logging and Testing results may be required periodically. For a list of those items and their due dates, please refer to APPENDIX B - LOGGING AND TESTING REQUIREMENTS.

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. 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:

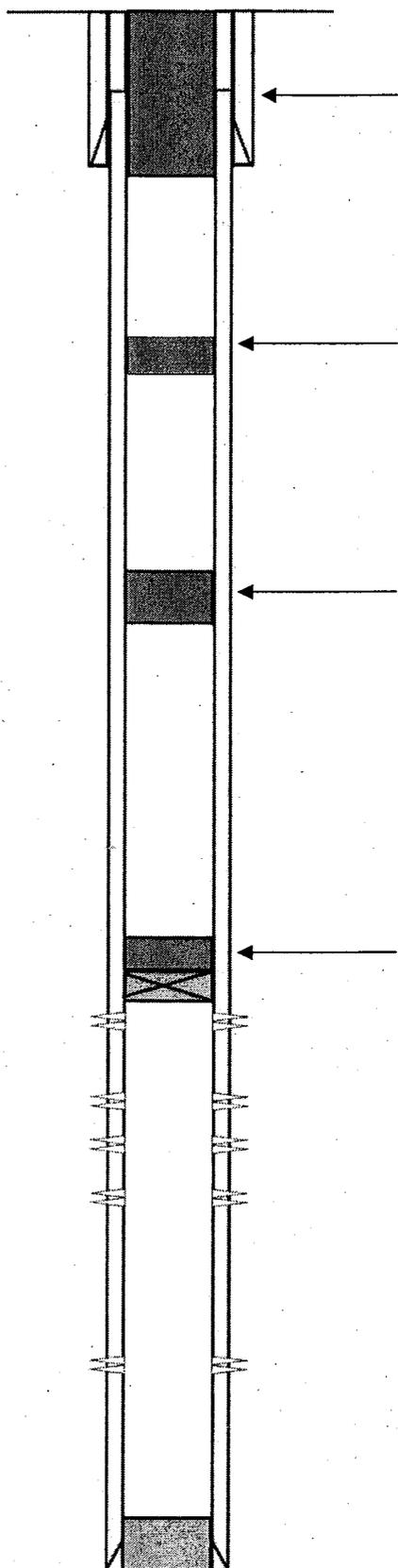
PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2,940 feet to 3,090 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 150-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2,940 feet to 3,090 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1,375 feet - 1,495 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 120-foot balanced 1,375 feet to 1,495 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 375 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

Plugging and Abandonment Diagram for Sundance Federal No. 3-6-9-18



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing beginning at 375 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

Plug 3: Perforate and squeeze cement up the backside of the casing across the contact between the Uinta Formation and Green River Formation at 1,375 feet – 1,495 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the casing from approximately 1,375 feet – 1,495 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 2,940 feet – 3,090 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 150-foot balanced cement plug inside the casing from approximately 2,940 feet – 3,090 feet.

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

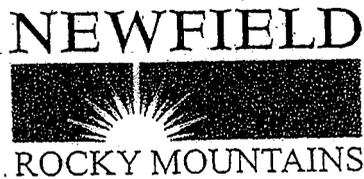
APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

Sundance Federal No. 6-6-9-18, Sundance Federal No. 2-6-9-18, and Sundance Federal No. 14-31-8-18 will be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone".

If possible fluid movement out of the injection zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, tubing-casing annulus pressure readings, or other evidence of a mechanical integrity failure), Permittee will shut in Sundance Federal No. 3-6-9-18 immediately and notify the Director. No injection into Sundance Federal No. 3-6-9-18 will be permitted until Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No. 7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection..



RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic cross section, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.

STATEMENT OF BASIS

**NEWFIELD PRODUCTION COMPANY
SUNDANCE FEDERAL 3-6-9-18
UINTAH COUNTY, UT**

EPA PERMIT NO. UT21234-08388

CONTACT: Emmett Schmitz
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
1595 Wynkoop Street
Denver, Colorado 80202-1129
Telephone: 1-800-227-8917 ext. 312-6174

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

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

on

March 11, 2009

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

Sundance Federal 3-6-9-18
Bottom Hole: 661' FNL & 1939' FWL., SENW S6, T9S, R18E
Uintah County, UT

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

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

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

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

Sundance Federal No. 3-6-9-18 is currently an active Green River Formation Garden Gulch and Douglas Creek Members oil well. It is the initial intent of the applicant to use current production perforations for Class II enhanced recovery injection. Sundance Federal No. 3-6-9-18 does not have adequate 80% bond index cement bond across the Confining Zone. This well has total depth in the Basal Carbonate Member.

TABLE 1.1
WELL STATUS / DATE OF OPERATION

NEW WELLS

Well Name	Well Status	Date of Operation
Sundance Federal 3-6-9-18	New	N/A

PART II. Permit Considerations (40 CFR 146.24)

Hydrogeologic Setting

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uinta Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formation and the Douglas Creek Member of the Green River Formation contain an aquifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta Formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of the aquifer, and discharge occurs near the White and Green Rivers (from USGS publication HA 730-C). Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field, T7-9S and R15-19E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63 MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9,300 square miles (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the climatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uintah Formation outcrop and compose the surface rock throughout the area. The lower 600 feet to 800 feet of the Uinta Formation, consisting generally of shale interbedded with occasionally water-bearing sandstone lenses between 5 feet to 20 feet thick, is underlain by the Green River Formation. The

Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone deposits that intertongue with the Green River sediments are of the Colton and Wasatch Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200 feet per mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 feet to 6 feet wide but up to 28 feet wide, may extend many miles in length and occasionally extend as deep as 2,000 feet. In this area, within the Greater Monument Butte Field, there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2,000 feet, far above the protective confining layer and much deeper injection zone.

TABLE 2.1
GEOLOGIC SETTING
Sundance Federal 3-6-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta: Public. 92	0	205	< 10,000	Sand and shale.
Uinta	205	1,435		Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River	1,435	6,222		Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River: Trona	2,990	3,026		Evaporite
Green River: Mahogany Bench	3,026	3,040		Shale
Green River: Confining Zone	3,832	3,852		Shale.
Green River: Garden Gulch Member.	3,852	4,826	38,063	Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River: Douglas Creek Member.	4,826	6,097	38,063	Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River: Basal Carbonate Member.	6,097	6,222		Carbonate

Proposed Injection Zone(s) (TABLE 2.2)

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

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

The EPA-approved interval for Class II enhanced recovery injection in the Sundance Federal No. 3-6-9-18 is located between the top of the Garden Gulch Member (3,852 feet) and the top of the Wasatch Formation estimated to be 6,222 feet.

TABLE 2.2
INJECTION ZONES
Sundance Federal 3-6-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,852	6,222	38,063	0.710		N/A

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

Confining Zone(s) (TABLE 2.3)

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

The 20-foot (3,832 feet - 3,852 feet) shale Confining Zone directly overlies the top of the Garden Gulch Member.

TABLE 2.3
CONFINING ZONES
Sundance Federal 3-6-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale.	3,832	3,852

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

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

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit total dissolved solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional 'freshening' is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

The State of Utah "Water Wells and Springs" identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Sundance Federal No. 3-6-9-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation approximately 205 feet from the surface. However, absent definitive information relative to the water quality of the Uinta Formation, from the depth of 205 feet to the base of the Uinta Formation (1,435 feet), the EPA will require, during plugging and abandonment, a cement plug at the base of the Uinta Formation to protect contamination of possible Uinta USDWs.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Sundance Federal 3-6-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta: Public. 92	Sand and shale.	0	205	< 10,000
Uinta	Interbedded sand, shale and carbonate with fluvial sand and shale.	205	1,435	

PART III. Well Construction (40 CFR 146.22)

Sundance Federal No. 3-6-9-18 was drilled to a total depth of 6,225 feet (KB) feet in the Basal Carbonate Member. Plug back total depth (PBSD) is 6,174 feet.

Surface casing (8-5/8 inch) was set at a depth of 325 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 6,218 feet (KB) in a 7-7/8 inch hole with 350 sacks of Premium Lite II mixed and 450 sacks of 50/50 Pozmix. Top of cement by Cement Bond Log is 2,370 feet from surface.

CBL analysis does not identify adequate 80% bond index cement bond within the Confining Zone. A successful Part II (External) Mechanical Integrity Test (MI) will demonstrate that well construction is adequate to protect USDWs.

The schematic diagram shows enhanced recovery injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3,852 feet (top of Garden Gulch Member) and the estimated top of the Wasatch Formation (6,222 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

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

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Sundance Federal 3-6-9-18

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.88	5.50	0 - 6,218	2,370 - 6,225
Surface	12.25	8.63	0 - 325	0 - 325

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

Casing and Cementing (TABLE 3.1)

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

Tubing and Packer

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

Tubing-Casing Annulus (TCA)

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

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

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

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

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

**TABLE 4.1
AOR AND CORRECTIVE ACTION**

Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Dederal No. 6-6-9-18	Producer	No	5,950	160	Yes
Federal No. 2-6-9-18	Producer	No	6,372	2	Yes
Federal No. 4-6-9-18	Producer	No	6,267	114	No
Sundance Fed. No. 14-31-8-18	Producer	No	6,283	650	Yes

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

Area Of Review

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

Corrective Action Plan

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

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

PART V. Well Operation Requirements (40 CFR 146.23)

**TABLE 5.1
INJECTION ZONE PRESSURES
Sundance Federal 3-6-9-18**

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	4,389	0.710	1,185

Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

The proposed injectate will be a blend of culinary-quality water from the Johnson Water District pipeline and or water from the Green River pipeline, and produced Green River formation water from wells proximate to the Sundance Federal No. 3-6-9-18.

Injection Pressure Limitation

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

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

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

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

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

Injection Volume Limitation

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

There will be no restrictions on the cumulative volume or daily volume of authorized Class II fluid to be injected into the approved Green River interval. The permittee shall not exceed the maximum authorized surface injection pressure.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

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

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

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

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

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1,000 psi, whichever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

PART II MI: Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

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

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

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

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520

13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. 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: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2,940 feet to 3,090 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 150-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2,940 feet to 3,090 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1,375 feet - 1,495 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 120-foot balanced 1,375 feet to 1,495 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 375 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

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

An April 29, 2009 demonstration of Financial Responsibility in the amount of \$59,344 has been provided.

The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of plugging and abandonment costs according to the approved Plugging and Abandonment Plan.

Financial Statement, received May 16, 2008

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-65970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 970 FNL 1967 FWL COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 6, T9S, R18E STATE: UT

8. WELL NAME and NUMBER:
SUNDANCE FEDERAL 3-6-9-18

9. API NUMBER:
4304734425

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

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

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

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

The subject well has been converted from a producing oil well to an injection well on 07/02/2010. On 07/02/10 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/07/2010 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT21234-08388 API# 43-047-34425

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 07/09/2010

(This space for State use only)

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JUL 12 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 07/07/2010
 Test conducted by: Lynn Manson
 Others present: _____

Well Name: <u>Sundance Federal 3-6-9-18</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/NW</u> Sec: <u>6</u> T <u>9</u> N <u>18</u> R <u>18</u> (E)W	County: <u>Uintah</u>	State: <u>UT</u>
Operator: <u>New Field</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

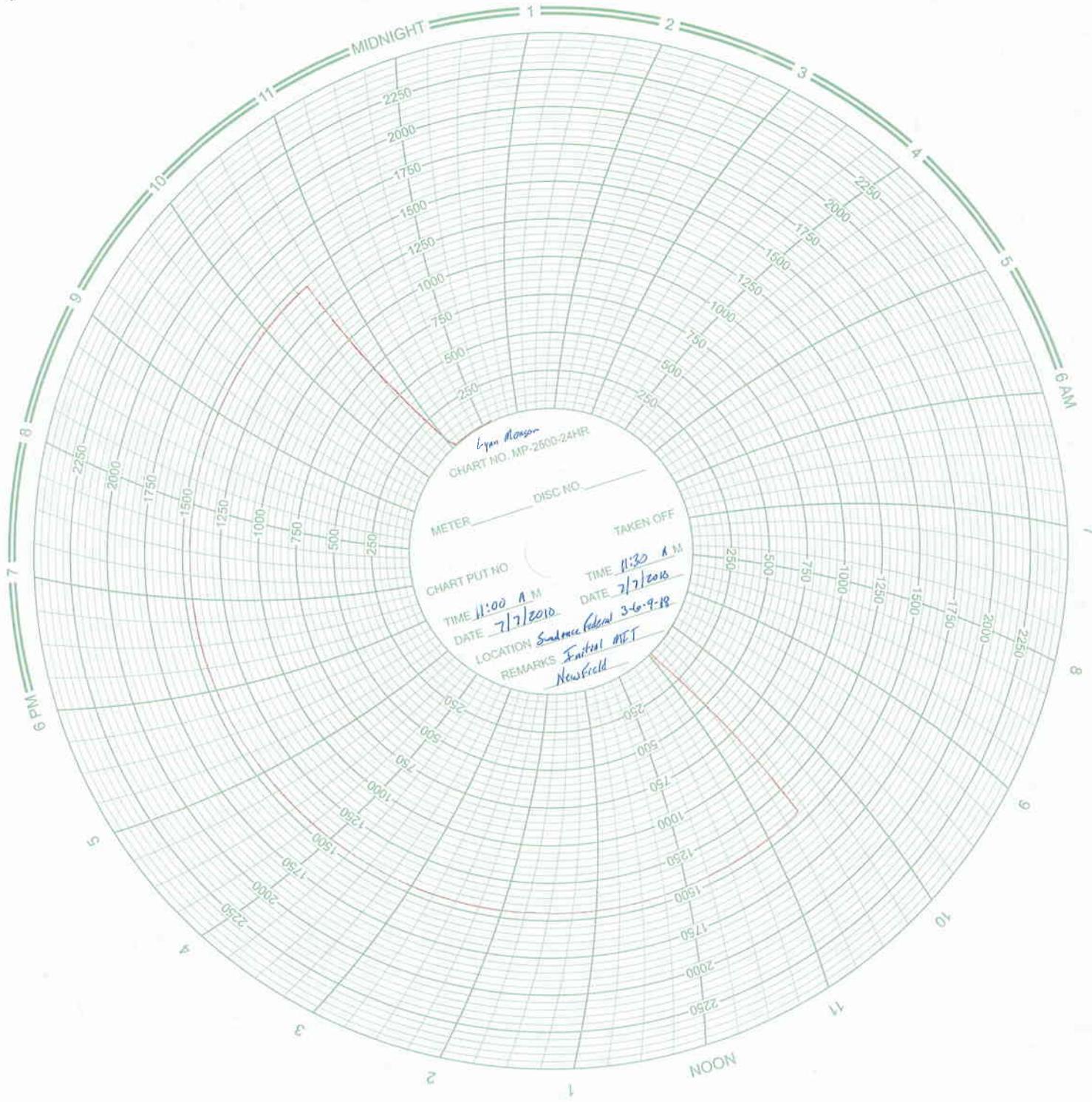
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1450 psig	psig	psig
5 minutes	1450 psig	psig	psig
10 minutes	1450 psig	psig	psig
15 minutes	1450 psig	psig	psig
20 minutes	1450 psig	psig	psig
25 minutes	1450 psig	psig	psig
30 minutes	1450 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: _____



Lynn Hanson
CHART NO. MP-2600-24HR
METER _____ DISC NO _____
CHART PUT NO _____ TAKEN OFF _____
TIME 11:00 A.M. TIME 11:30 A.M.
DATE 7/7/2010 DATE 7/7/2010
LOCATION Sandness Federal 3-6-9-18
REMARKS Initial MET
Newfield



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

Ref: 8P-W-GW

JUL 28 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT21234-08388
Well: Sundance Federal 3-6-9-18
SENW Sec. 6 T9S-R18E
Uintah County, Utah
API No.: 43-047-34425

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) July 9, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT21234-08388.

As of the date of this letter, Newfield is authorized to commence injection into the Sundance Federal 3-6-9-18 well at a Maximum Allowable Injection Pressure (MAIP) of 1,185 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. If Newfield seeks a higher MAIP than 1,185 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT21234-08388.

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AUG 04 2010
DIV. OF OIL, GAS & MINING

If you have questions regarding the above action, please call Tom Aalto at 303-312-6949 or 1-800-227-8917, ext. 312-6949. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,



for

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

FOR RECORD ONLY

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-65970

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:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
SUNDANCE FEDERAL 3-6-9-18

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304734425

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

PHONE NUMBER
435.646.3721

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 970 FNL 1967 FWL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 6, T9S, R18E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 08/05/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Put on Injection
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

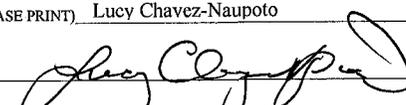
The above reference well was put on injection at 2:00 PM on 08-05-2010.

EPA # UT21234-08388 API # 43-047-34425

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 08/05/2010

(This space for State use only)

RECEIVED
AUG 11 2010
DIV. OF OIL, GAS & MINING



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

FEB 04 2011

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

RECEIVED

FEB 09 2011

DIV. OF OIL, GAS & MINING

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

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT21234-08388
Well: Sundance Federal 3-6-9-18
SE/NW Sec. 6 T9S-R18E
Uintah County, UT
API No.: 43-047-34425

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, received the results of the December 6, 2010, Radioactive Tracer Survey (RTS) for the Sundance Federal 3-6-9-18 well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,185 psig.

As of the date of this letter, EPA hereby authorizes continued injection into the Sundance Federal 3-6-9-18 well under the terms and conditions of UIC Permit UT21234-08388.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

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

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

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of your UIC Permit.

If you have questions regarding the above action, please call Tom Aalto at 303-312-6949 or 1-800-227-8917, ext. 312-6949.

Sincerely,



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

FOR RECORD ONLY
Oil, Gas and Mining
U.S. Division of
Accepted by the

cc: Uintah & Ouray Business Committee:

Richard Jenks, Jr., Chairman
Frances Poowegup, Vice-Chairwoman
Curtis Cesspooch, Councilman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg
Regulatory Analyst
Newfield Production Company

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-65970
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: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: SUNDANCE FED 3-6-9-18
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43047344250000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1926 FNL 1874 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 Township: 09.0S Range: 18.0E 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: 6/5/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
5 YR MIT performed on the above listed well. On 06/05/2015 the casing was pressured up to 1024 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 370 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08388		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 10, 2015
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 6/8/2015

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 / 5 / 15
 Test conducted by: Troy Lazenby
 Others present: _____

Well Name: <u>Sundance Federal 3-6-9-18</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/W</u> Sec: <u>6</u> T: <u>9</u> N/S: <u>R</u> R: <u>18</u> E/W: _____	County: <u>Uintah</u>	State: <u>UT</u>
Operator: _____		
Last MIT: _____ / _____ / _____	Maximum Allowable Pressure: <u>1424</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0/370 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>370</u> psig	psig	psig
End of test pressure	<u>370</u> psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
0 minutes	<u>1024</u> psig	psig	psig
5 minutes	<u>1024</u> psig	psig	psig
10 minutes	<u>1024</u> psig	psig	psig
15 minutes	<u>1024</u> psig	psig	psig
20 minutes	<u>1024</u> psig	psig	psig
25 minutes	<u>1024</u> psig	psig	psig
30 minutes	<u>1024</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

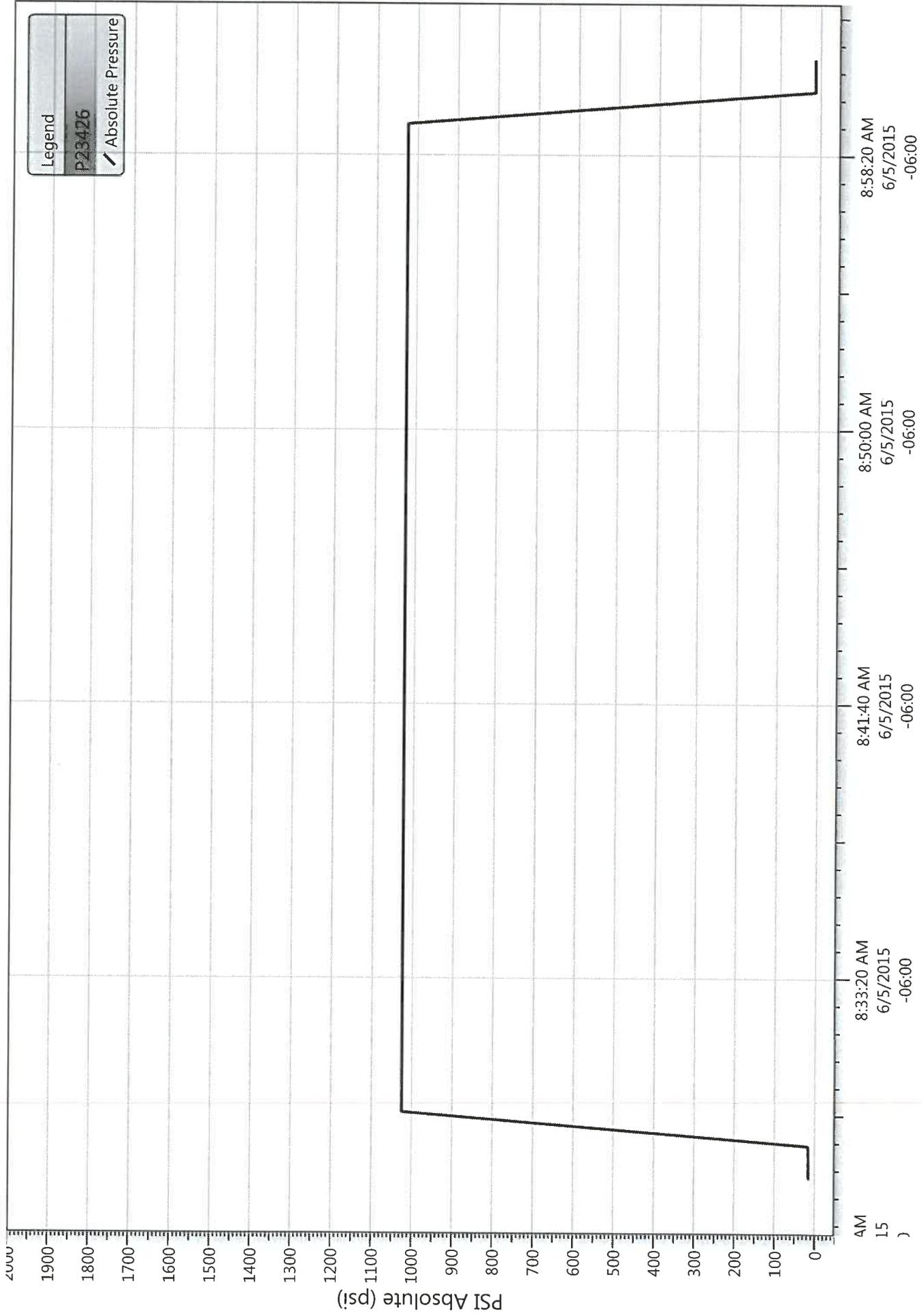
Does the annulus pressure build back up after the test? Yes No

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: _____

Sundance Federal 3-6-9-18
6/5/2015 8:26:53 AM



Legend
P23476
Absolute Pressure

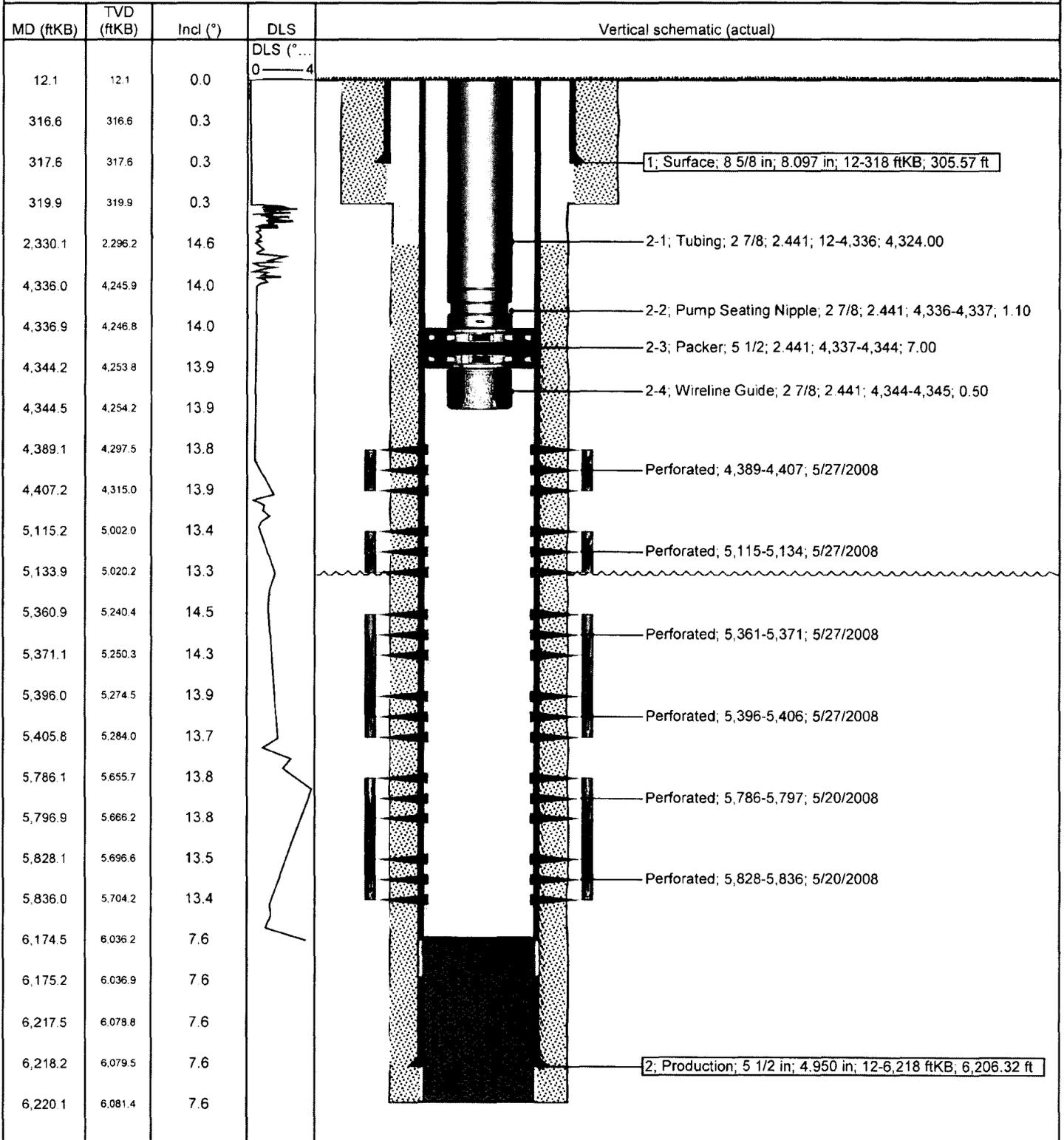
43-047-34425

Well Name: Federal 3-6-9-18

Surface Legal Location 06-9S-18E		API/UWI 43047344250000	Well RC 500160424	Lease	State/Province Utah	Field Name GMBU CTB10	County Utah
Spud Date 4/13/2008	Rig Release Date 5/5/2008	On Production Date 6/2/2008	Original KB Elevation (ft) 5,034	Ground Elevation (ft) 5,022	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,174.5	

Most Recent Job				
Job Category Testing	Primary Job Type Logging	Secondary Job Type N/A	Job Start Date 11/30/2015	Job End Date 11/30/2015

TD: 6,220.0 Vertical - Original Hole, 3/30/2016 9:46:55 AM



NEWFIELD



Newfield Wellbore Diagram Data Federal 3-6-9-18

Surface Legal Location 06-9S-18E		API/UWI 43047344250000		Lease	
County Utah		State/Province Utah		Field Name GMBU CTB10	
Well Start Date 4/13/2008		Spud Date 4/13/2008		Final Rig Release Date 5/5/2008	
Original KB Elevation (ft) 5,034		Ground Elevation (ft) 5,022		Total Depth (ftKB) 6,220.0	
				Total Depth All (TVD) (ftKB) PBD (All) (ftKB) Original Hole - 6,174.5	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	4/14/2008	8 5/8	8.097	24.00	J-55	318
Production	5/4/2008	5 1/2	4.950	15.50	J-55	6,218

Cement

String: Surface, 318ftKB 4/15/2008

Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 320.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 6,218ftKB 5/4/2008

Cementing Company BJ Services Company	Top Depth (ftKB) 2,330.0	Bottom Depth (ftKB) 6,220.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake	Fluid Type Lead	Amount (sacks) 300	Class Premilite II	Estimated Top (ftKB) 2,330.0
Fluid Description 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM	Fluid Type Tail	Amount (sacks) 400	Class 50/50 POZ	Estimated Top (ftKB) 4,275.0

Tubing Strings

Tubing Description Tubing				Run Date 7/2/2010	Set Depth (ftKB) 4,344.6			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)
Tubing	138	2 7/8	2.441	6.50	J-55	4,324.00	12.0	4,336.0
Pump Seating Nipple		2 7/8	2.441			1.10	4,336.0	4,337.1
Packer		5 1/2	2.441			7.00	4,337.1	4,344.1
Wireline Guide		2 7/8	2.441			0.50	4,344.1	4,344.6

Rod Strings

Rod Description				Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	GB6, Original Hole	4,389	4,407	4	90	0.369	5/27/2008
3	B1, Original Hole	5,115	5,134	4	90	0.369	5/27/2008
2	LODC, Original Hole	5,361	5,371	4	90	0.369	5/27/2008
2	LODC, Original Hole	5,396	5,406	4	90	0.369	5/27/2008
1	CP2, Original Hole	5,786	5,797	4	120	0.490	5/20/2008
1	CP3, Original Hole	5,828	5,836	4	120	0.490	5/20/2008

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,794	0.75	27.2	2,177			
2	1,608	0.74	23.6	2,233			
3	1,652	0.77	27.1	1,458			
4	2,074	0.91	27.0	2,355			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 29436 lb
2		Proppant Sand 74859 lb
3		Proppant Sand 90000 lb
4		Proppant Sand 69177 lb