

Nichols Ranch ISR Project U.S.N.R.C Source Material License Application

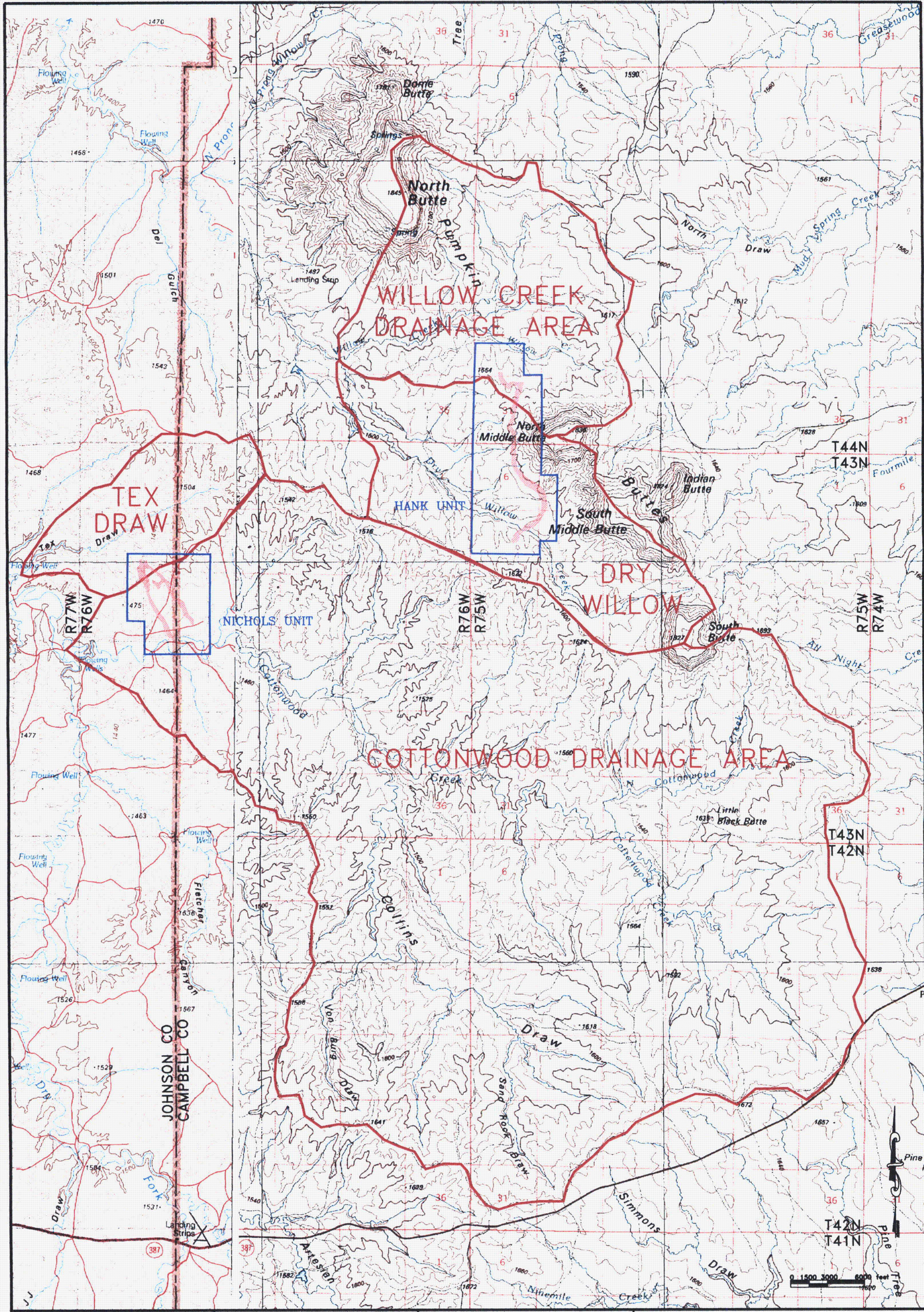
Volume VIa

Appendix D6



**Uranerz Energy Corporation
PO Box 50850
Casper, WY 82605-0850
307-265-8900**

November 2007



By: lgrh	Date: 10/16/07
Contour Interval	Revision Date:
DWG: C:\PROJECTS\2007-14\ DRAINAGE AREA\ DRAINAGE-LH	

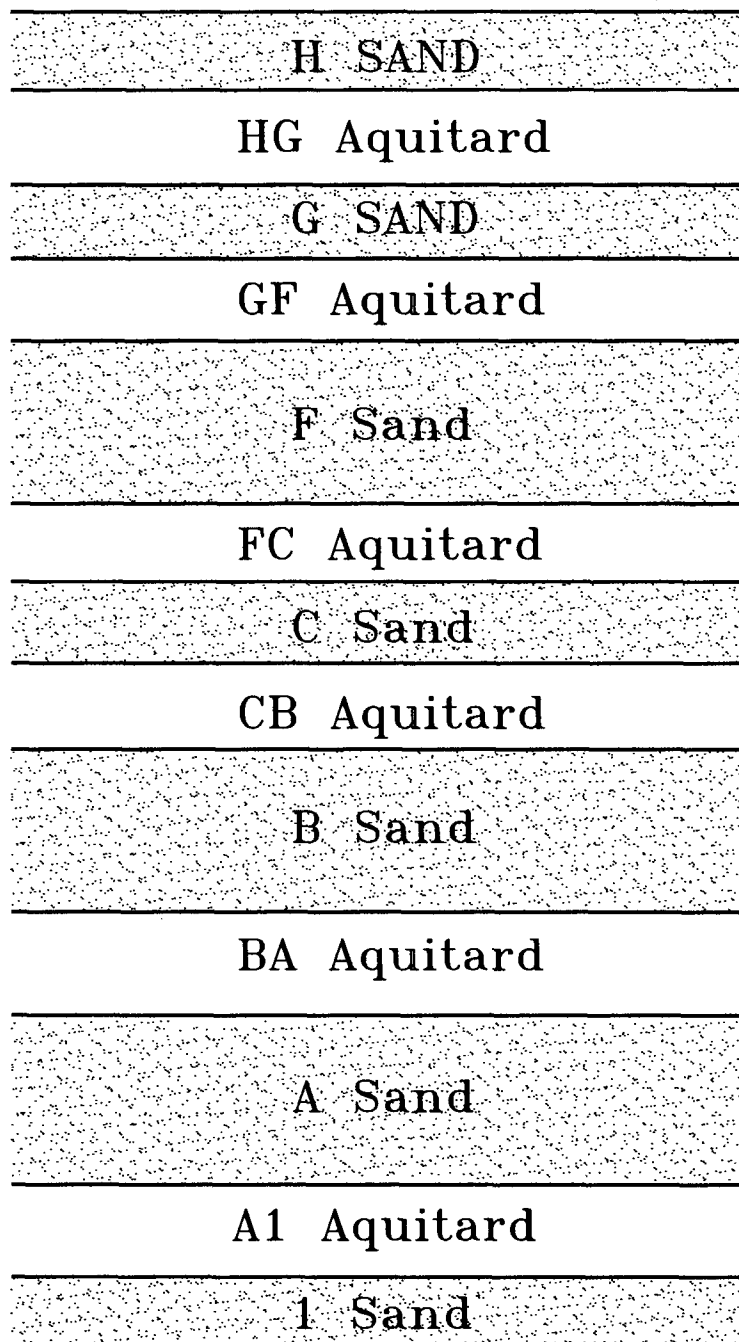
LEGEND: WELLFIELD
 Drainage area divide
 Permit Boundary

Land surface contours in meters

Uranerz
ENERGY CORPORATION
1701 East "E" Street
P.O. Box 50850
Casper, Wyoming
USA 82605-0850

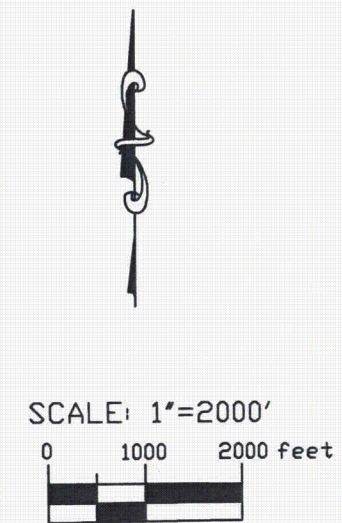
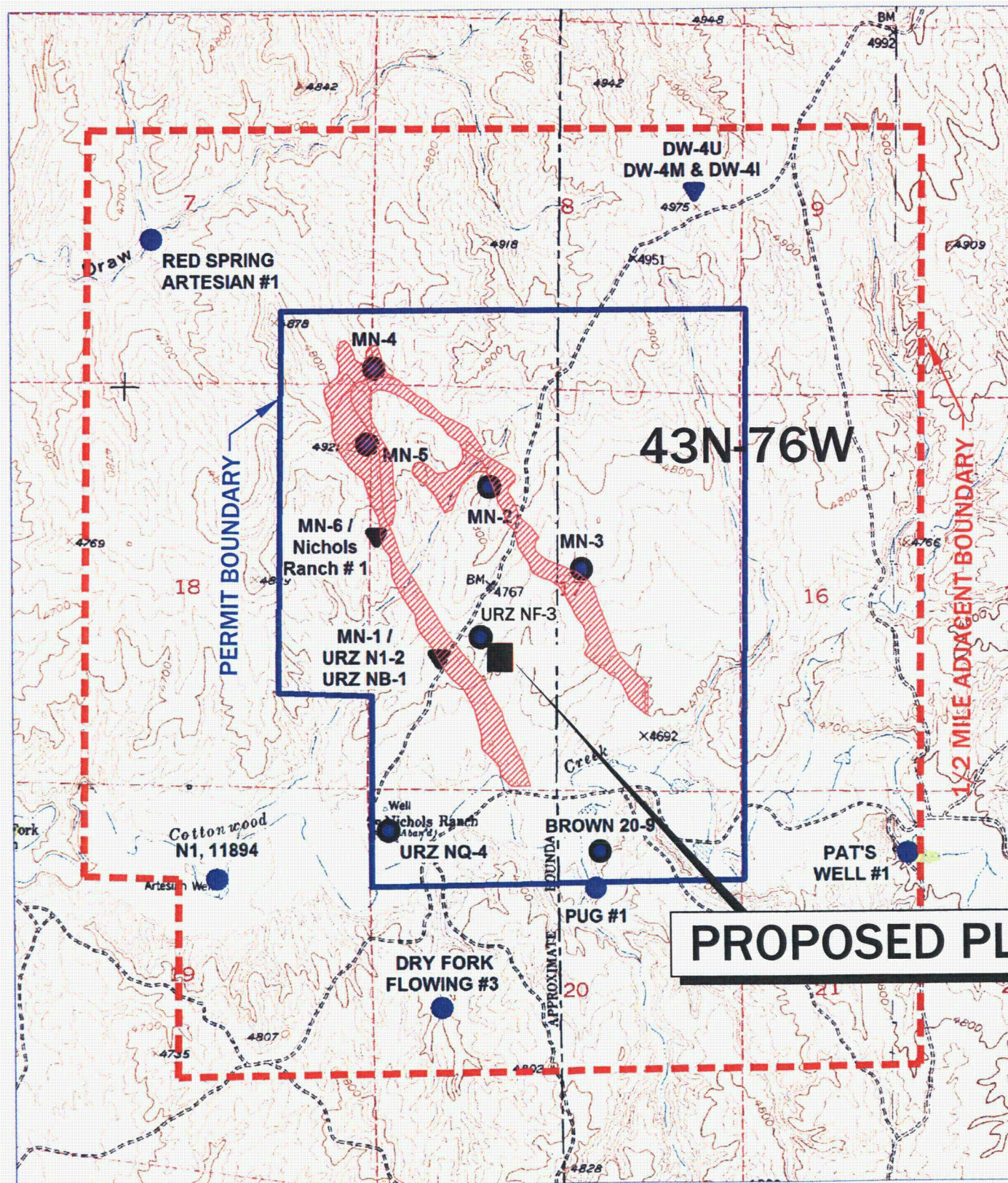
FIGURE D6-1. SURFACE DRAINAGE AREAS

Aquifer Schematic



c:\projects\2007-14\Schem

FIGURE D6-2. TYPICAL AQUIFER AND AQUITARD SEQUENCE
AT THE NICHOLS RANCH PERMIT



LEGEND

- ▲ MONITOR OR TEST WELL CLUSTER
- STOCK OR DOMESTIC WELL
- MONITOR OR TEST WELL
- ▨ PROJECTED WELL FIELD

PROPOSED PLANT SITE

Uranerz
ENERGY CORPORATION
1701 East "E" Street
P.O. Box 50850
Casper, Wyoming
USA 82605-0850

**NICHOLS RANCH ISR PROJECT
FIGURE D6-3
NICHOLS RANCH UNIT
WATER WELLS**

By: S.M.F.	Date: 10/12/2007
Dateum: Nad 27 UTM 13	Revision Date:
Scale: 1"=2000'	Contour Interval: 20 feet

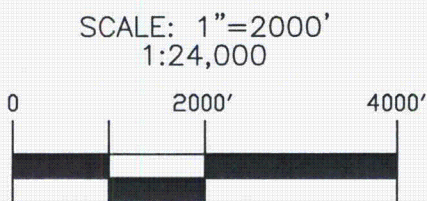
105° 56' 33.900" W 43° 46' 14.994" N R 76 W R 75 W 105° 53' 15.754" W 43° 46' 16.581" N

T 44 N
T 43 N

T 44 N
T 43 N

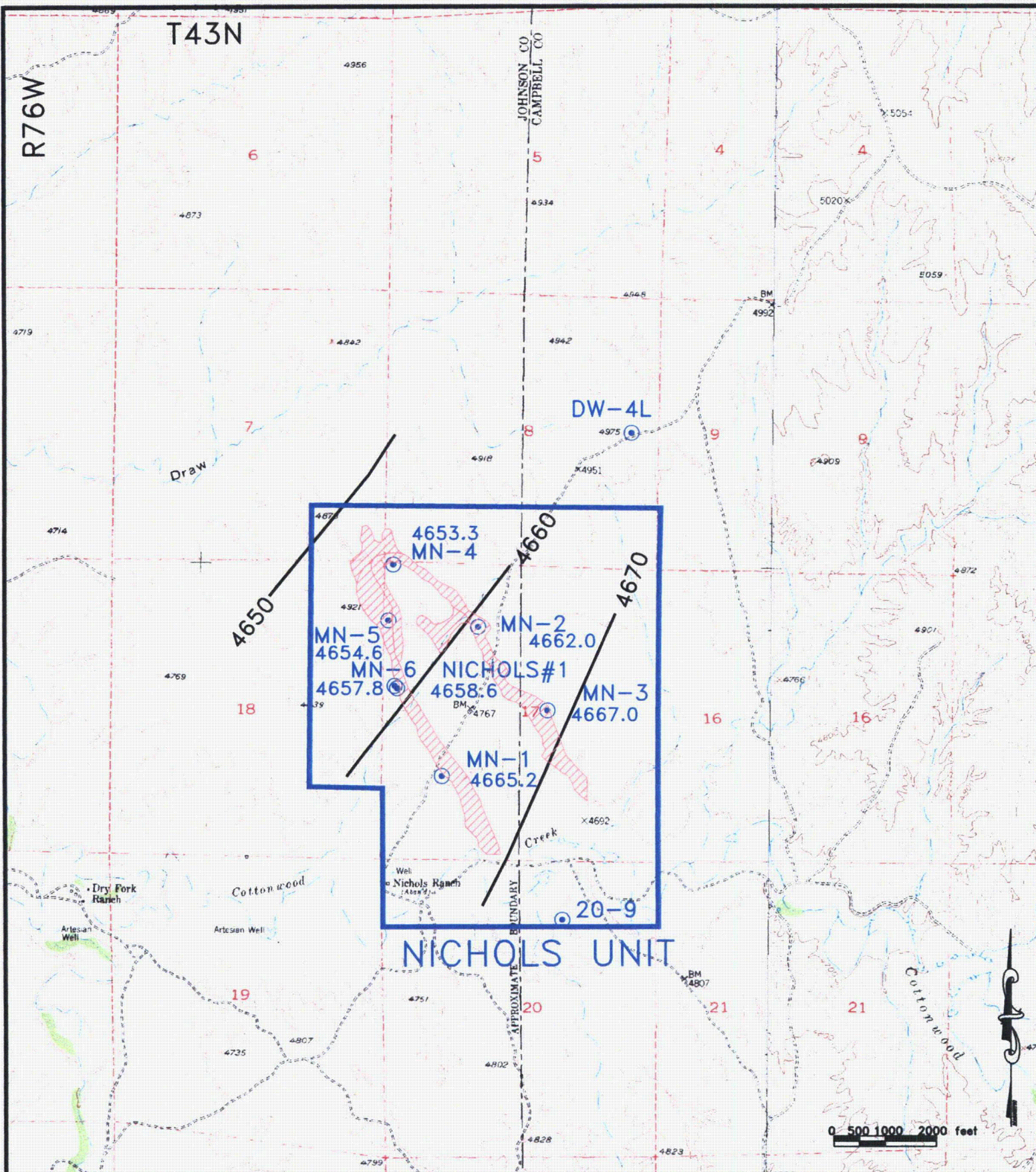
43° 42' 1.993" N 105° 56' 29.933" W R 76 W R 75 W 105° 53' 12.018" W 43° 42' 3.576" N

- LEGEND**
- ▲ MONITOR OR TEST WELL CLUSTER
 - STOCK OR DOMESTIC WELL
 - MONITOR OR TEST WELL
 - ▨ PROJECTED WELL FIELD



NICHOLS RANCH ISR PROJECT
FIGURE D6-4
HANK UNIT
WATER WELLS

By: S.M.F.	Date: OCT. 2, 2007
Datum: NAD27 UTM13	Revision Date:
Scale: 1:24,000	Contour Interval: 20 feet

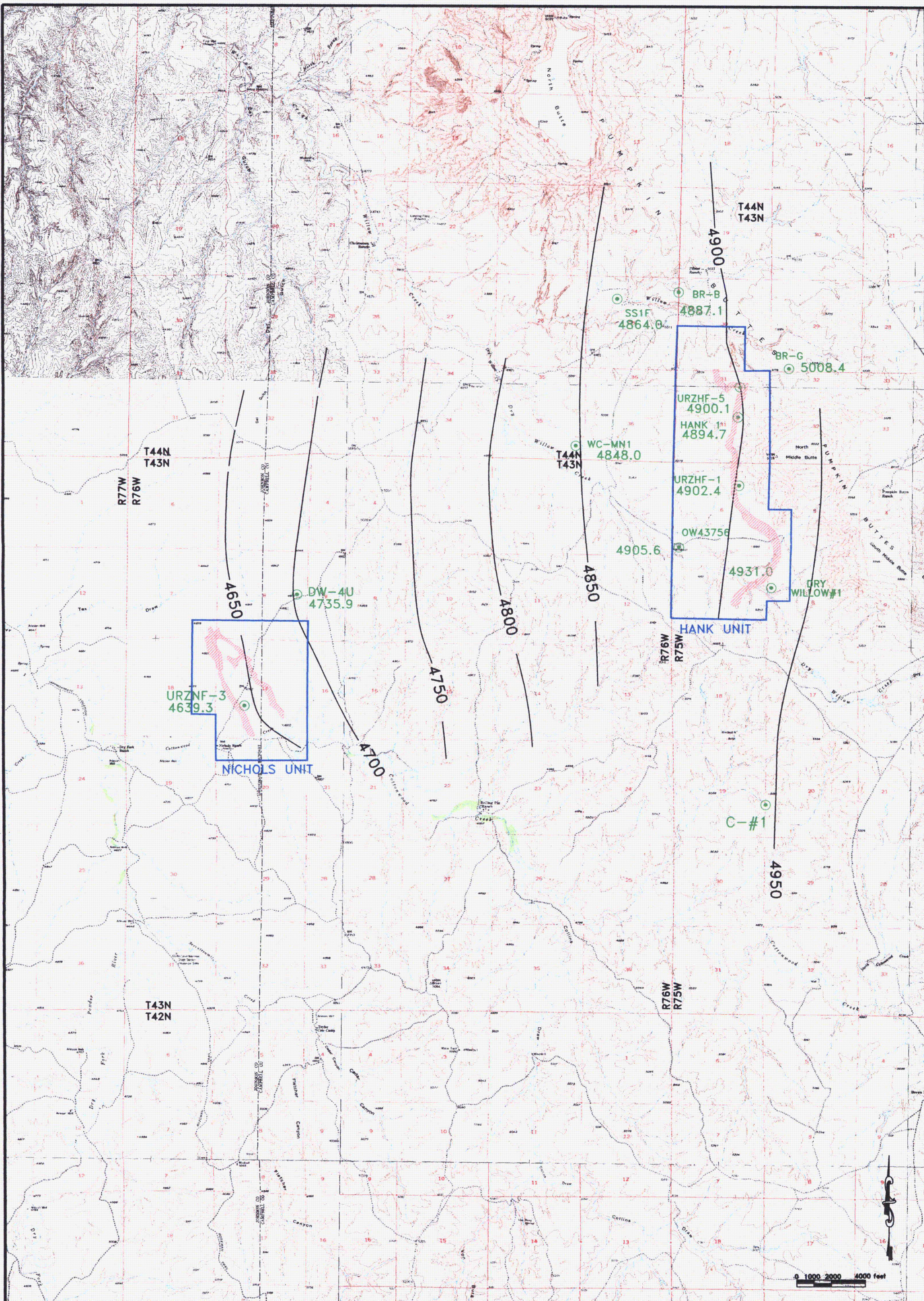


By: lgrh Date: 10/15/07
 Contour Interval: Revision Date:
 DWG: C:\PROJECTS\2007-14\SANDS lgrh

LEGEND: WELLFIELD
 MN-4 A SAND WELL

Uranerz
 ENERGY CORPORATION
 1701 East "E" Street
 P.O. Box 50850
 Gallup, New Mexico
 USA 87302-0850

FIGURE D6-5. WATER-LEVEL
 ELEVATIONS FOR THE A SAND
 AQUIFER, 2007, FT-MSL



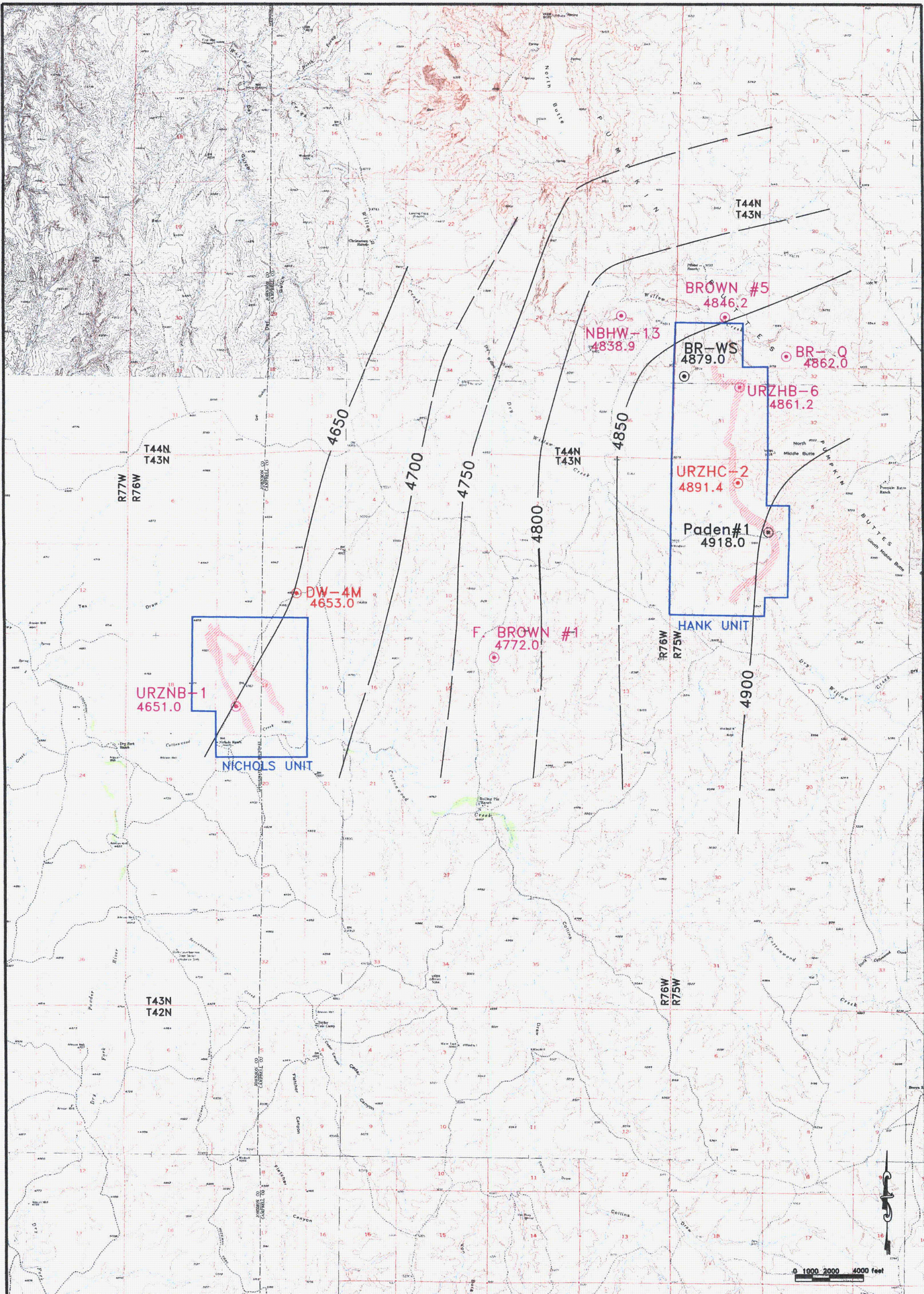
By: lgrh	Date: 10/11/07
Contour Interval:	Revision Date:
DWG: C:\PROJECTS\2007-14\SANDS lgrh	

LEGEND:

- ▨ WELLFIELD
- URZNF-3 F SAND WELL

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ENERGY CORPORATION
1701 East "E" Street
P.O. Box 50850
Casper, Wyoming
USA 82405-0850

FIGURE D6-6. WATER-LEVEL ELEVATIONS FOR THE F SAND AQUIFER, 2007, FT-MSL



By: lgrh	Date: 10/11/07
Contour Interval:	Revision Date:
DWG: C:\PROJECTS\2007-14\SANDS lgrh	

LEGEND:	WELLFIELD
URZHC-2	C SAND WELL
BR-Q	B SAND WELL
PADEN#1	MULTI-AQUIFER, STOCK WELL

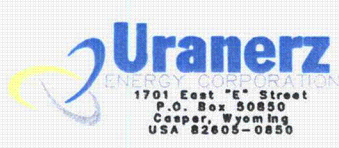
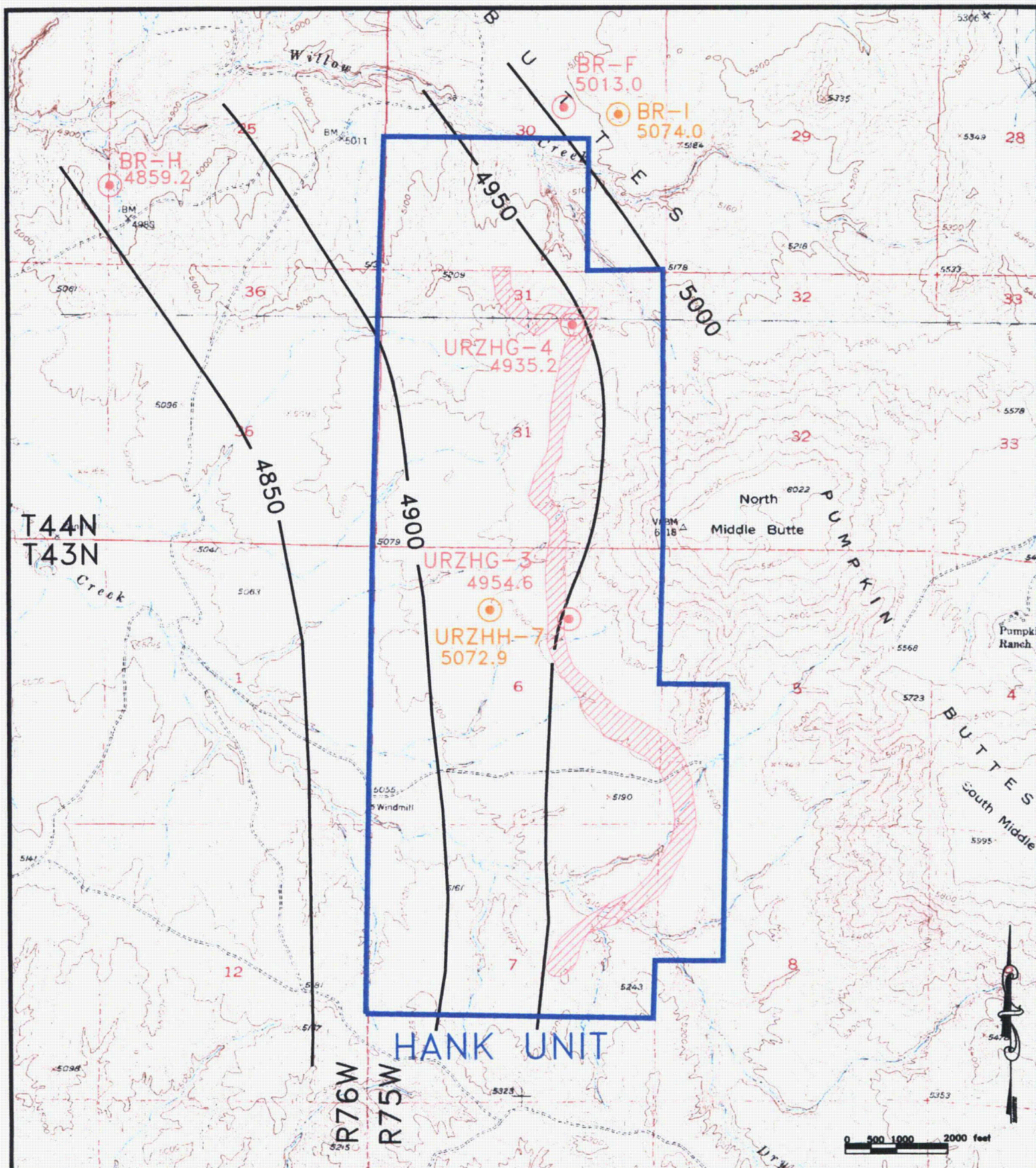


FIGURE D6-7. WATER-LEVEL ELEVATIONS FOR THE B & C SAND AQUIFERS, 2007, FT-MSL



By: lgrh Date: 10/10/07
 Contour Interval: Revision Date:
 DWG: C:\PROJECTS\2007-14\SANDS lgrh

LEGEND: WELLFIELD
 ● BR-F G SAND WELL
 ● BR-I H SAND WELL

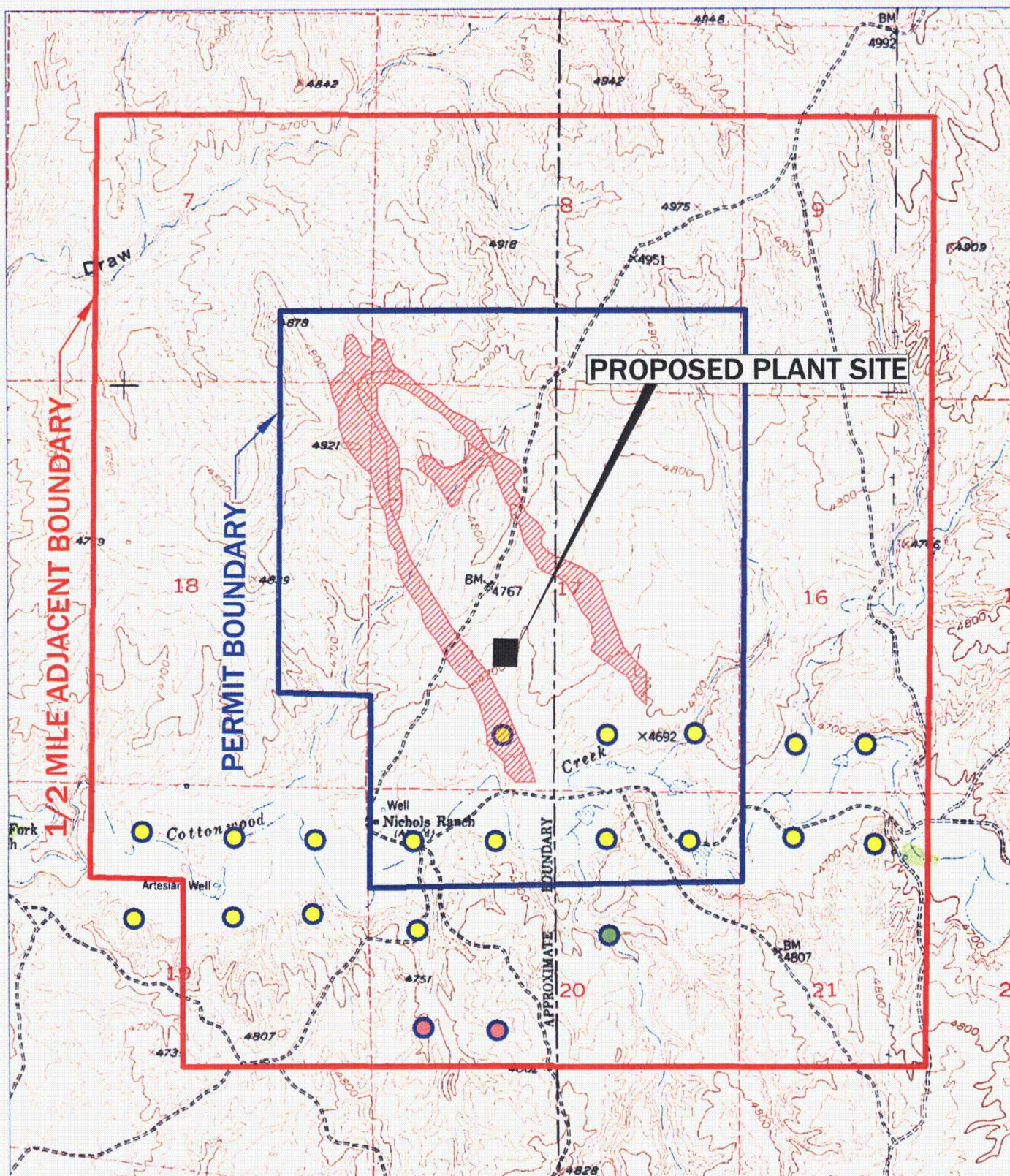
Uranerz
 ENERGY CORPORATION
 1701 East 7th Street
 P.O. Box 50850
 Casper, Wyoming
 USA 82408-0850

FIGURE D6-8. WATER-LEVEL ELEVATIONS FOR THE G & H SAND AQUIFERS, 2007, FT-MSL

106° 2' 53.772" W
43° 43' 22.560" N

T43N R76W

105° 59' 37.125" W
43° 43' 24.317" N



43° 40' 37.481" N
106° 2' 50.897" W

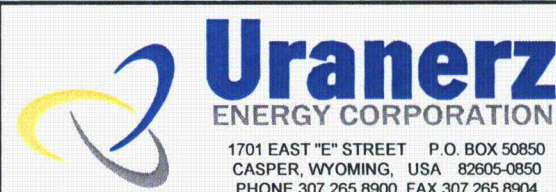
43° 40' 39.235" N
105° 59' 34.399" W

SCALE: 1"=2000'
1:24,000



LEGEND

- SURFACE WATER RIGHT PERMIT #P18283S
- SURFACE WATER RIGHT PERMIT #P18282S
- SURFACE WATER RIGHT PERMIT #P2126S
- PROJECTED WELL FIELD



NICHOLS RANCH ISR PROJECT

FIGURE D6-9
NICHOLS RANCH UNIT
SURFACE WATER RIGHTS

By: S.M.F.	Date: OCT. 25, 2007
Datum: NAD27 UTM13	Revision Date:
Scale: 1:24,000	Contour Interval: 20 feet

105° 56' 33.900" W
43° 46' 14.994" N

R 76 W R 75 W

105° 53' 15.754" W
43° 46' 16.581" N

T 44 N
T 43 N





T 44 N
T 43 N

43° 42' 1.993" N
105° 56' 29.933" W

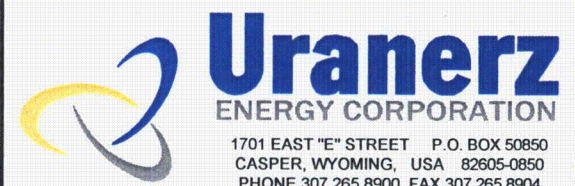
R 76 W R 75 W

43° 42' 3.576" N
105° 53' 12.018" W

LEGEND

-  SURFACE WATER RIGHT PERMIT #P18283S
-  SURFACE WATER RIGHT PERMIT #P18282S
-  SURFACE WATER RIGHT PERMIT #P2126S
-  PROJECTED WELL FIELD

SCALE: 1"=2000'
1:24,000



NICHOLS RANCH ISR PROJECT FIGURE D6-10 HANK UNIT SURFACE WATER RIGHTS

By: S.M.F.	Date: OCT. 25, 2007
Datum: NAD27 UTM13	Revision Date:
Scale: 1:24,000	Contour Interval: 20 feet

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WELLS”**

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D-01

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D-02

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“NICHOLS RANCH UNIT COAL BED
METHANE WELLS”**

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D-03

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UNIT COAL BED METHANE WELLS"**

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D-04

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BED METHANE DEPTH vs. ORE ZONE
DEPTH"**

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“NICHOLS RANCH & HANK UNITS
OIL AND GAS WELLS”**

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“EXPLORATION DRILL HOLES
NICHOLS RANCH UNIT”**

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“EXPLORATION DRILL HOLES HANK
UNIT”**

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D-08