


APPENDIX B
Lamb Madison Well Information
(DENR, 2012)

United States Nuclear Regulatory Commission Official Hearing Exhibit		
In the Matter of: POWERTECH USA, INC. (Dewey-Burdock In Situ Uranium Recovery Facility)		
	ASLBP #:	10-898-02-MLA-BD01
	Docket #:	04009075
	Exhibit #:	APP-027-C-00-BD01
	Admitted:	8/19/2014
	Rejected:	
	Other:	
	Identified:	8/19/2014
	Withdrawn:	
	Stricken:	

SOUTH DAKOTA WATER WELL COMPLETION REPORT

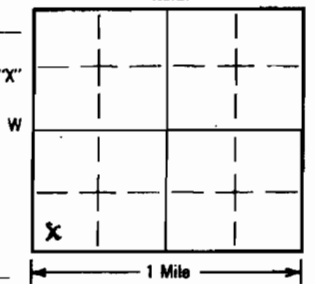
RECEIVED
MAY 18 2007
WATER RIGHTS
PROGRAM

Location SW 1/4 SW 1/4 Sec 9 Twp 5S Rg 1E
County Custer North

Please mark well location with an "X"

Well Completion Date

May 9, 07



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 150 ft. from Septic (identify source).

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary - Air & Mud

CASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
23 LB/FT	7 IN	+2 FT	1030 FT	8 3/4 IN
15.5 LB/FT	5.5 IN	1008 FT	1718 FT	6 1/2 IN
— LB/FT	0. H. IN	1718 FT	1820 FT	4 3/4 IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Portland	220	14 lb./gal	0 ft	1030 ft
Portland	75	14 lb./gal	1008 ft	1718 ft

Describe grouting procedure 7" casing see Remarks
5" Pressure grouted through casing

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material?

Describe packer(s) and location?

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: chlorine solution
☐ NO, Why Not?

Laboratory sent to for water quality analysis

Midcontinent

Well Owner: David Lamb

Business Name:

Address: 4555 Reservoir Road

Rapid City, SD 57703

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Tan Sandy clay	0	30
Spear Fish	30	420
Minnekahta	420	
4' Void - Lost Return	420	424
No Samples until 1030'		
Minnehaha		1681
Madison	1681	1820

STATIC WATER LEVEL 562 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe: Air Developed
☐ Bailed
☒ Other
Pumping Level Below Land Surface
980 ft. After 4 Hrs. pumped 75 GPM
680 ft. After 1 Hrs. pumped 27 GPM
If pump installed, pump rate _____ GPM

REMARKS Pressure grouted through 7" casing w/ 100 SK - Added 95 SK From surface to Fill up.

This well was drilled under license # 331

And this report is true and accurate.

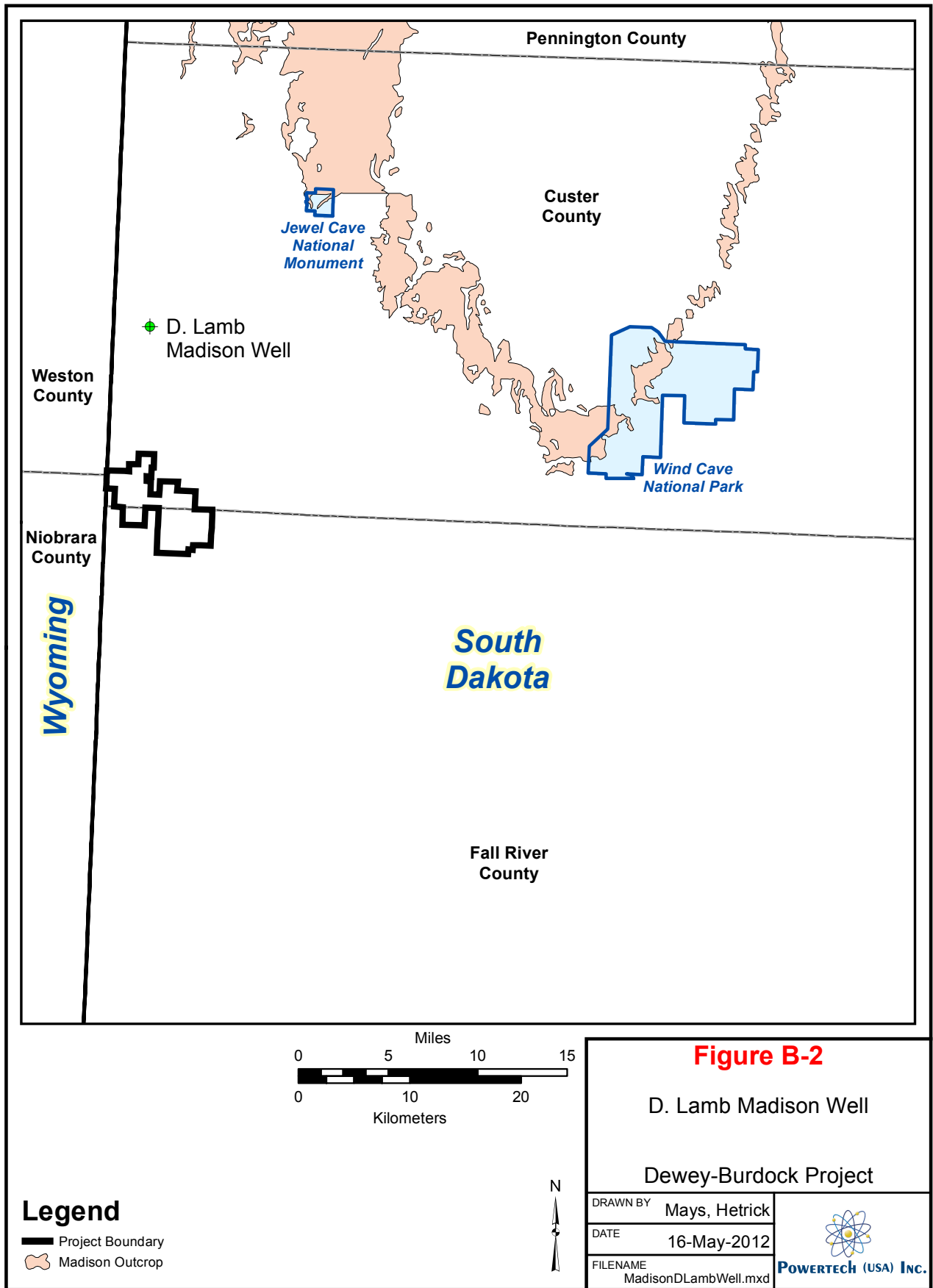
Drilling firm Taylor Drilling

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

Figure B-1. Lamb Madison Well Completion Report



**MIDCONTINENT**
TESTING & ANALYTICAL

Lab Number

Custer Co
2W70509821
20070604863

NEW WELL SAMPLING PROGRAM

Please provide the following information about your new well. This form, along with a copy of your sample results will be supplied to the State in order to comply with the Centennial Environmental Protection Act of 1989. Thank you.

Well owner: Dave LambMailing address: 4555 Reservoir RdCity: RC State: SD Zip Code: 57703Daytime phone number: 605 393 0093

For all Wells:

Date sample collected: 5-8-07 Time: 1:00 PMSample collector: Kim TaylorWell drilled by: Taylor Drilling Date: 5-8-07Pump installed by: — Date: —Depth of well: 1820 FC Diameter of well: 7" + 5/8"

For Private Wells, please also complete the following location information:

County: CusterTownship: 5Range: 1Section: 9Quarter: SW 1/4Distance from nearest town: 8 miles N or S22 miles E or Wof: Custer
(town)

Please return to Mid-Continent Testing at the time of sample submittal.

2361 South Plaza Drive
P.O. Box 3368
Rapid City, SD 57709
Ph 605/348-0111
www.TheNewWellLab.com



MIDCONTINENT
TESTING LABORATORY, P.C., INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

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Kim Taylor

Sample Site: David Lamb
Sampled: 06/03/07 at 02:00 PM
by Kim Taylor
Sample Matrix: Water

Lab ID#: 20070604803
Received: 06/04/07 at 08:45 AM
by Steve Ristau
Account: 1578
Taylor Drilling Company

TAYLOR DRILLING
PO BOX 7738
RAPID CITY, SD 57702

Parameter	Result	Units	Method	Analyst/Date
Bacteria				
Fecal Coliform	Absent		SM 9223 P/A KLS	06/04/07
Total Coliform	Absent		SM 9223 P/A KLS	06/04/07

Approved By: *Steve Ristau*

Approved On: 6/5/2007 5:39:47 PM

Figure B-3. Lamb Madison Well Water Quality Report (page 2 of 3)



MIDCONTINENT
TESTING LABORATORY


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2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
 (605) 348-0111 -- www.thechemistrylab.com

Sample Site: David Lamb
 Sampled: 05/08/07 at 01:00 PM
 by Kim Taylor
 Sample Matrix: Water

Lab ID#: 20070509821
 Received: 05/09/07 at 08:30 AM
 by Kate Shreves
 Account: 1576
 Taylor Drilling Company

TAYLOR DRILLING
 PO BOX 7738
 RAPID CITY, SD 57702

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst/Date
Physical Properties							
Electrical Conductivity	446	µmhos/cm	1	0.188	5.00	EPA 120.1	JAM 05/10/07
Non-Metallics							
Nitrogen, Nitrate (NO3)	0.442	mg/L	1	0.014	0.050	EPA 353.2	DES 05/10/07
Sulfate (SO4)	< 10.0	mg/L	1	3.41	10.0	EPA 375.2	DES 05/10/07
Metals - Dissolved							
Sodium (Na)	2.42	mg/L	1			EPA 273.1	SAC 05/10/07

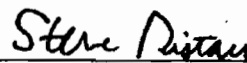
Approved By: 
 Approved On: 5/11/2007 9:30:31 AM

Figure B-3. Lamb Madison Well Water Quality Report (page 3 of 3)