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October 7, 2011

Mr. Doug Mandeville
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Two White Flint North, Mailstop T8F5
Rockville, MD 20852-2738

Re: Source Material License SUA-1548, Docket No. 40-8964 Updates to 2011-12 Surety Estimate for North Butte Satellite Facility

Dear Mr. Mandeville:

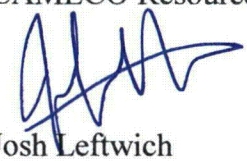
On August 30, 2011, Power Resources, Inc. d.b.a Cameco Resources (Cameco) responded to comments from the Wyoming Department of Environmental Quality/Land Quality Division (LQD) on its Annual Report (Permit No. 632) and surety estimates. The responses to comments resulting in Cameco increasing the proposed surety estimate from $5,579,000 to $8,518,000.

Additionally, on September 21, 2011, Cameco submitted a request to LQD for partial bond release on 386 delineation holes.

The purpose of this letter is to provide the NRC with two (2) paper copies of these transmittals to the LQD. The August letter to the LQD includes the rationale for the increase in the surety estimate.

If you have any questions or comments regarding the changes submitted to the LQD, please contact Mr. Scott Bakken at 307.316.7586.

Sincerely,
CAMECO Resources



Josh Leftwich
Director of Licensing and Permitting

JL/mw

Enclosures: Letter to LQD dated August 30, 2011: Response to North Butte ISR Operation Mine Permit No. 632 Response to March 3, 2011[1] Annual Report Comments

Letter to LQD dated September 19, 2011: Request for Partial Bond Release North Butte Uranium ISR Project Campbell County

cc: File NB
Cameco-Casper
Cameco-Cheyenne

[1] Letter contained a typo – should have referenced March 31, 2011 letter with Annual Report comments.

Cameco

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COPY

August 30, 2011

Mr. Glenn Mooney
Senior Geologist
WDEQ Land Quality Division - District III
2100 West 5th Street
Sheridan, WY 82801

RE: **Response to North Butte ISR Operation Mine Permit No. 632**
Response to March 3, 2011 Annual Report Comments

Dear Mr. Mooney:

Cameco Resources is submitting a response to the March 3, 2011 letter on the Annual Inspection and Annual Report with the attached comments specific to the Annual Report. A majority of these comments were in regard to surety estimates and the applied unit cost that were used. Cameco has enclosed the revised the surety estimate. Please note that Cameco is requesting for this surety to be increased based on upcoming work and will continue to update WDEQ/LQD and work with your office on the future development of this project.

If you have comments or questions concerning these comments, please contact me at telephone 307-316-7588.

Sincerely,
Cameco Resources

Josh Leftwich
Director, Radiation Safety & Licensing

Enclosures: Appendix B (tables): 2011 Update to Surety Bond Estimate for Mine Permit No. 632

ec: CR-Casper

North Butte, Permit No. 632 Surety Estimate responses:

1. *Some of the costs described as Guideline 12 costs are not from Guideline 12.*
    a. **Response**: Cameco has reviewed the previous surety estimate revision and checked the source of costs. In general, Cameco has used Guideline 12 costs and Guideline 12 approved cost mechanisms. Specifically;
        i. where Cameco has actual expenses or labor costs to back-up the surety item Cameco assumes the actual cost is a closer approximation of costs than the estimates in the Guideline 12 tables,
        ii. If the Guideline 12 tables do not contain the required equipment, Cameco has used Equipment Watch as a source, as referenced in Section I of Guideline 12.
        iii. Any references to costs as Guideline 12, which are not from Guideline 12, have been removed.

2. *Some of the equipment is described as from Guideline 12 when it is not. For instance, Cat 430D and 416 backhoes are used in the bond estimate when only Cat 430E backhoes are listed in Guideline 12. Please use Cat 430E backhoes consistently throughout the bond estimate.*
    a. **Response**: See response to comment 1.

3. *The labor costs are not from Guideline 12.*
    a. **Response**: Cameco revised its source of skilled and unskilled labor costs to the 2011 State Building Construction Prevailing Wages as found on the State of Wyoming web site. This change reduced labor costs in most cases. Where labor costs are embedded in a built-up rate for specific work in Guideline 12, Cameco uses the embedded rate (usually $40.85/hr). Cameco uses the Mountain States Employer's Council as a source for rates for professionals such as Radiation Technicians and Environmental Engineers.

4. *For well abandonment costs on page 14 of 29, there are discrepancies in the usage of equipment versus available manpower. There are four pieces of equipment being utilized 100% of the time, 3 pieces 50% of the time and one 25% of the time. However, only three operators are listed as running the equipment. Five would seem a more appropriate number of operators.*
    a. **Response**: Cameco has decided to use the Guideline 12 sealing and abandonment of drill holes and monitor wells in Appendix L until further guidance from LQD is distributed on this subject . This negates the surety comment.

5. *On the well abandonment worksheet UC-WA, 12 sacks of cement versus the listed 7.5 sacks per 100 feet of casing would be more appropriate, according to Mark Taylor of this office.*
    a. **Response:** Cameco has decided to use the Guideline 12 sealing and abandonment of delineation drill holes and monitor wells in Appendix L until further guidance from LQD is distributed on this subject. This negates the surety comment.

6. *In part IV: Well & Borehole abandonment, on page 10 of 29, the costs do not agree with those costs given on the detailed well abandonment costs given on Worksheet UC-WA and are very different from Guideline 12 costs for well abandonment. Please use the Guideline 12 costs.*
    a. **Response:** Cameco has decided to use the Guideline 12 sealing and abandonment of drill holes and monitor wells in Appendix L.

7. *In Appendix B, part II, Building Demolition and Disposal, please add the costs of a loader to load the concrete rubble onto the trucks. The Cat 980H loader from guideline 12 would be appropriate.*
    a. **Response**: Cameco added the cost of a Cat 980G loader from Guideline 12, App J to load concrete rubble onto the trucks.

8. *Also in Appendix B, part II, Building Demolition and Disposal, on pages 4 of 29 and 5 of 29, the costs of the equipment (Dump Truck) are inaccurately referenced in the description, but the correct costs are used in the calculations. Please remove the misleading cost from the bond estimate.*
    a. **Response**: Cameco has corrected the description to remove any confusion.

9. *Many of the costs are listed in the Master Cost Worksheet, but many of the links between the Master Cost worksheet and other worksheets are broken. This will prevent the overall estimate from being properly updated when costs on the Master Cost worksheet are updated.*
    a. **Response**: Cameco reviewed the worksheets and has fixed linkage issues, most notably on the UC-WA worksheet.

APPENDIX B

2011-12 YEAR 1 MINING OPERATIONS RECLAMATION SURETY BOND ESTIMATE
WDEQ Permit No. 632 Annual Report / NRC SUA-1548
North Butte ISR Project - WDEQ Permit No. 632 Update

TOTAL RECLAMATION COST ESTIMATE

PART I. PROCESS EQUIPMENT REMOVAL & DISPOSAL COST	$127,802
PART II. BUILDING DEMOLITION AND DISPOSAL COST	$702,686
PART III. WELLFIELD BUILDINGS & EQUIPMENT REMOVAL & DISPOSAL COST	$446,090
PART IV. WELL & BOREHOLE ABANDONMENT COST	$4,630,592
PART V. MISCELLANEOUS SURFACE RECLAMATION COST	$826,795
SUBTOTAL RECLAMATION COST ESTIMATE	$6,733,964
CONTRACTOR PROFIT, OVERHEAD, MOBILIZATION, DEMOBILIZATION COSTS (10%) *	$673,396
SUBTOTAL	$7,407,361
ADDITIONAL MISCELLANEOUS AND UNKNOWN COSTS (15%) **	$1,111,104
TOTAL CALCULATED SURETY (IN 2010 DOLLARS), rounded down	**$8,518,000**

* Based on WDEQ-LQD Guideline No. 12, Section II(B)(12)(b)
** Based on WDEQ-LQD Guideline No. 12, Sections II(B)(12)(except b) and (13)

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WDEQ Permit No. 632 Annual Report / NRC SUA-1548
North Butte ISR Project - WDEQ Permit No. 632 Update

PART I: PROCESS EQUIPMENT REMOVAL & DISPOSAL	Satellite Plant
A. Removal and Loading Costs	
1. Tankage	
Number of Tanks	25
Volume of Tank Construction Material (ft3)	1190
a. Labor	
Number of Persons	3
Ft3/Day	25
Number of Days	48
$/Day/Person	$224
Subtotal Labor Costs	$32,198
b. Equipment	
Number of Days	48
$/Day	$1,515
Subtotal Equipment Costs	$72,732
Subtotal Tankage Removal and Loading Costs	**$104,930**
2. PVC Pipe	
PVC Pipe Footage	6000
Average PVC Pipe Diameter (inches)	4
Shredded PVC Pipe Volume Reduction (ft3/ft)	0.016
Volume of Shredded PVC Pipe (ft3)	96
a. Labor	
Number of Persons	2
Ft/Day	300
Number of Days	20
$/Day/Person	$224
Subtotal Labor Costs	$8,944
b. Shredding Costs	
Pipe Shredding Unit Cost ($/diameter-in-ft)	$0.028
Subtotal Shredding Costs	$672
Subtotal PVC Pipe Removal and Loading Costs	**$9,616**
3. Pumps	
Number of Pumps	16
Average Volume (ft3/pump)	4.93
Volume of Pumps (ft3)	78.88
a. Labor	
Number of Persons	1
Pumps/Day	2
Number of Days	8
$/Day/Person	$224
Subtotal Labor Costs	$1,789
Subtotal Pump Removal and Loading Costs	**$1,789**
4. RO Units	
Volume (ft3)	250
a. Labor	
Number of Persons	2
Ft3/Day	175
Number of Days	1
$/Day/Person	$224
Total Labor Cost	$447
Total RO Dismantling and Loading Cost	$447
Subtotal Equipment Removal and Loading Costs per Facility	$116,782
Total Equipment Removal and Loading Costs	**$116,782**

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WDEQ Permit No. 632 Annual Report / NRC SUA-1548
North Butte ISR Project - WDEQ Permit No. 632 Update

PART I: PROCESS EQUIPMENT REMOVAL & DISPOSAL	Satellite Plant
B. Transportation and Disposal Costs (NRC-Licensed Facility)	
1. Tankage	
Volume of Tank Construction Material (ft3)	1190
Volume for Disposal Assuming 10% Void Space (ft3)	1309
Transportation and Disposal Unit Cost ($/ft3)	$7.34
Subtotal Tankage Transportation and Disposal Costs	$9,604
2. PVC Pipe	
Volume of Shredded PVC Pipe (ft3)	96
Volume for Disposal Assuming 10% Void Space (ft3)	106
Transportation and Disposal Unit Cost ($/ft3)	$7.34
Subtotal PVC Pipe Transportation and Disposal Costs	$778
3. Pumps	
Volume of Pumps (ft3)	78.88
Volume for Disposal Assuming 10% Void Space (ft3)	87
Transportation and Disposal Unit Cost ($/ft3)	$7.34
Subtotal PVC Pipe Transportation and Disposal Costs	$638
Subtotal Equipment Transportation and Disposal Costs per Facility	$11,020
Total Equipment Transportation and Disposal Costs	**$11,020**
C. Health and Safety Costs	
Accounted For under Part I: Ground Water Restoration	
SUBTOTAL EQUIPMENT REMOVAL + DISPOSAL COSTS PER FACILITY	**$127,802**
TOTAL EQUIPMENT REMOVAL + DISPOSAL COSTS	**$127,802**

APPENDIX B

2011-12 YEAR 1 MINING OPERATIONS RECLAMATION SURETY BOND ESTIMATE

WDEQ Permit No. 632 Annual Report / NRC SUA-1548

North Butte ISR Project - WDEQ Permit No. 632 Update

PART II: BUILDING DEMOLITION & DISPOSAL	Satellite Bldg	DDW 1 Bldg	DDW 2 Bldg
A. Decontamination Costs			
1. Wall Decontamination			
Area to be Decontaminated (ft2)	0	704	704
HCl Acid Wash ($/per sq ft.)	$0.971	$0.971	$0.971
Subtotal Wall Decontamination Costs	$0	$683	$683
2. Concrete Floor Decontamination			
Area to be Decontaminated (ft2)	19200	480	480
HCl Acid Wash ($/Gallon)	$0.440	$0.440	$0.440
Subtotal Concrete Floor Decontamination Costs	$8,443	$211	$211
Subtotal Decontamination Costs per Building	$8,443	$894	$894
Total Decontamination Costs			**$10,231**
B. Demolition Costs			
1. Building			
Assume:			
Volume of Building (ft3)	524,800	4,800	4,800
Demolition Unit Cost per WDEQ Guideline No.12, App.K ($/ft3)	$0.249	$0.249	$0.249
Subtotal Building Demolition Costs	$130,581	$1,194	$1,194
2. Concrete Floor			
Area of Concrete Floor (ft2)	25,600	480	480
Demolition Unit Cost per WDEQ Guideline No.12, App.K ($/ft2)	$5.05	$5.05	$5.05
Subtotal Concrete Floor Demolition Costs	$129,356	$2,425	$2,425
3. Concrete Footing			
Length of Concrete Footing (ft)	960	88	88
Demolition Unit Cost per WDEQ Guideline No.12, App.K ($/lin. ft)	$18.14	$18.14	$18.14
Subtotal Concrete Footing Demolition Costs	$17,410	$1,596	$1,596
Subtotal Demolition Costs per Building	$277,347	$5,215	$5,215
Total Demolition Costs			**$287,777**
C. Disposal Costs			
1. Building			
Volume of Building (cy) Building Construction and Demolition	1,222	178	178
a. Landfill			
Assume:			
Cost to haul to landfill			
Total Trips @12(cy) each	102	15	15
Dump Truck (Guideline 12 App. J $54.19 /hr)	$64.33	$64.33	$64.33
Transportation(assume 2 trips per 12hr. Day)	$39,313	$5,718	$5,718
Disposal Unit Cost ($/ton)(Guideline No. 12 App. K)	$95.70	$95.70	$95.70
Percentage (%)	100	100	100
Converted C&D waste volume to tons (.24 tons/cy) [1]	293	43	43
Subtotal Disposal Costs	$67,385	$9,801	$9,801
b. NRC-Licensed Facility			
Percentage (%)	0	0	0
Volume for Disposal (ft3)	0	0	0
Volume for Disposal Assuming 10% Void Space (ft3)	0	0	0
Transportation and Disposal Unit Cost ($/ft3)	$7.34	$7.34	$7.34
Subtotal NRC-Licensed Facility Disposal Costs	$0	$0	$0
Subtotal Building Disposal Costs	$67,385	$9,801	$9,801

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North Butte ISR Project - WDEQ Permit No. 632 Update

PART II: BUILDING DEMOLITION & DISPOSAL	Satellite Bldg	DDW 1 Bldg	DDW 2 Bldg
2. Concrete Floor			
Area of Concrete Floor (ft2)	25600	480	480
Average Thickness of Concrete Floor (ft)	0.833	0.833	0.833
Volume of Concrete Floor (ft3)(with .54 void factor)	39490.37	740	740
Volume of Concrete Floor (cy)	1463	27	27
a. Municipal Landfill			
Percentage (%)	75	75	75
Volume for Disposal (cy)	1097	21	21
Tons of Concrete	1,193	22	22
Cost to load Dump Trucks			
Loader (Guideline 12 App. J), 5cy bucket	$106.06	$106.06	$106.06
Cost per cy, assume 1.5min dump time+58.5min standby for 12cy load	$ 8.84	$ 8.84	$ 8.84
Load Cost	$9,695	$182	$182
Cost to haul to landfill			
Total Trips @12(cy) each	91	2	2
Dump Truck (Guideline 12 App. J)	$64.33	$64.33	$64.33
Transportation(assume 2 trips per 12hr. Day)	$35,284	$662	$662
Disposal Unit Cost per WDEQ Guideline No.12, App.K ($/ton)	$95.70	$95.70	$95.70
Subtotal Landfill Disposal Costs	$159,195	$2,985	$2,985
b. NRC-Licensed Facility			
Assume:			
Additional $2.00/ft3 for segregation of concrete			
Percentage (%)	25	25	25
Volume for Disposal (ft3)	9873	185	185
Segregation and Loading Unit Cost ($/ft3)	$5.00	$5.00	$5.00
Transportation and Disposal Unit Cost ($/ft3)	$7.51	$7.51	$7.51
Subtotal NRC-Licensed Facility Disposal Costs	$123,554	$2,317	$2,317
Subtotal Concrete Floor Disposal Costs	$282,749	$5,302	$5,302
3. Concrete Footing			
Length of Concrete Footing (ft)	960	88	88
Average Depth of Concrete Footing (ft)	4	4	4
Average Width of Concrete Footing (ft)	0.75	0.75	0.75
Volume of Concrete Footing (ft3) (with 0.54 void factor)	5333	489	489
Volume of Concrete Footing (cy)	198	18	18
Tons of Concrete	215	20	20
Cost to load Dump Trucks			
Loader (Guideline 12 App. J), 5cy bucket	$106.06	$106.06	$106.06
Cost per cy, assume 1.5min dump time+58.5min standby for 12cy load	$ 8.84	$ 8.84	$ 8.84
Load Cost	$1,746	$160	$160
Cost to haul to landfill			
Total Trips @12(cy) each	16	2	2
Dump Truck (Guideline 12 App. J)	$64.33	$64.33	$64.33
Transportation(assume 2 trips per 12hr. Day)	$6,354	$582	$582
Disposal Unit Cost per WDEQ Guideline No.12, App.K ($/ton)	$95.70	$95.70	$95.70
Subtotal Concrete Footing Disposal Costs	$20,567	$1,885	$1,885
Subtotal Disposal Costs per Building	$370,701	$16,988	$16,988
Total Disposal Costs			**$404,678**
D. Health and Safety Costs			
Accounted For under Part I: Ground Water Restoration			
SUBTOTAL BUILDING DEMOLITION AND DISPOSAL COSTS	$656,491	$23,097	$23,097
TOTAL BUILDING DEMOLITION AND DISPOSAL COSTS			**$702,686**

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North Butte ISR Project - WDEQ Permit No. 632 Update

PART III: WELLFIELD BLDGS., EQUIPMENT REMOVAL & DISPOSAL	Mine Unit No.1
A. Mine Unit Piping	
Assume:	
Number of Header Houses	7
Approximate Length of Piping per Header House (ft)	13,800
(avg. 46 wells per with 300 ft pipeline/well)	
Approximate Total Length of Piping (ft.)	96,600
1. Removal and Loading	
Trench Length -	24,150
(usually run multiple pipes in trench assume 1/4 pipe length)	
Wellfield Piping Removal Unit Cost ($/ft of pipe)	$2.30
Subtotal Wellfield Piping Removal and Loading Costs	**$222,180**
2. Shredding Costs	
Assume:	
Length of Piping per Header House (ft)	13,800
Total Length of Piping (ft)	96600
Average Diameter of Piping (inches)	2
HDPE Pipe Shredding Unit Cost ($/diameter-in-ft)	$0.057
Subtotal Shredding Costs	**$11,012**
3. Transport and Disposal Costs (NRC-Licensed Facility)	
Chipped Volume Reduction (ft3/ft)	0.005
Chipped Volume per Wellfield (ft3)	483
Volume for Disposal Assuming 10% Void Space (ft3)	531
Transportation and Disposal Unit Cost ($/ft3)	$7.34
Subtotal Wellfield Piping Transport and Disposal Costs	$3,896
Total Wellfield Piping Removal and Disposal Costs	**$237,088**
B. Well Pumps and Tubing	
Assume:	
Pump and tubing removal costs included under ground water restoration labor costs	
Average tubing length/wellfield based on average well depth minus 25 ft	
1. Shredding Costs	
Number of Production Wells with Tubing	140
Number of Injection Wells with Tubing	260
Average Tubing Length per Well (ft)	650
Diameter of Production Well Fiberglass Tubing (inches)	2
Diameter of Injection Well HDPE Tubing (inches)	1.25
HDPE Pipe Shredding Unit Cost ($/diameter-in-ft)	$0.057
Subtotal Shredding Costs	$22,415
2. Pump and Tubing Transportation and Disposal	
a. Pump Volume	
Number of Production Wells with Pumps	140
Average Pump Volume (ft3)	1
Pump Volume per Wellfield (ft3)	140
b. Tubing Volume	
Tubing Length per Wellfield (ft)	260,000
Chipped Volume Reduction (ft3/ft)	0.007
Chipped Volume per Wellfield (ft3)	1,820
Volume of Pump and Tubing (ft3)	1,960
Volume for Disposal Assuming 10% Void Space (ft3)	2,156
Transportation and Disposal Unit Cost ($/ft3)	$7.34
Subtotal Pump and Tubing Transport and Disposal Costs	$15,819
Total Well Pumps and Tubing Removal and Disposal Costs	**$38,234**

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North Butte ISR Project - WDEQ Permit No. 632 Update

PART III: WELLFIELD BLDGS., EQUIPMENT REMOVAL & DISPOSAL	Mine Unit No.1
C. Buried Trunkline	
Assume:	
Length of Trunkline Trench (ft)	7500
1. Removal and Loading	
Main Pipeline Removal Unit Cost ($/ft of trench)	$2.30
Subtotal Trunkline Removal and Loading Costs	$17,250
2. Shredding Costs	
Diameter of HDPE Piping (in)	2
Total Length of 2" HDPE Piping (ft)	7,500
Diameter of HDPE Piping (in)	3
Total Length of 3" HDPE Piping (ft)	7,500
Diameter of HDPE Piping (in)	4
Total Length of 4" HDPE Piping (ft)	0
Diameter of HDPE Piping (in)	6
Total Length of 6" HDPE Piping (ft)	4,000
Diameter of HDPE Piping (in)	8
Total Length of 8" HDPE Piping (ft)	18,400
Diameter of HDPE Piping (in)	10
Total Length of 10" HDPE Piping (ft)	0
Diameter of HDPE Piping (in)	12
Total Length of 12" HDPE Piping (ft)	0
Diameter of HDPE Piping (in)	14
Total Length of 14" HDPE Piping (ft)	0
Diameter of HDPE Piping (in)	16
Total Length of 16" HDPE Piping (ft)	0
Diameter of HDPE Piping (in)	18
Total Length of 18" HDPE Piping (ft)	0
Diameter of HDPE Piping (in)	20
Total Length of 20" HDPE Piping (ft)	15,000
Diameter of HDPE Piping (in)	24
Total Length of 24" HDPE Piping (ft)	0
HDPE Pipe Shredding Unit Cost ($/diameter-in-ft)	$0.057
Subtotal Shredding Costs	$28,996
3. Transport and Disposal Costs (NRC-Licensed Facility)	
a. 2" HDPE Trunkline	
Piping Length (ft)	7,500
Chipped Volume Reduction (ft3/ft)	0.01
Chipped Volume (ft3)	80.41
b 3" HDPE Trunkline	
Piping Length (ft)	7500
Chipped Volume Reduction (ft3/ft)	0.02
Chipped Volume (ft3)	174.64
c 4" HDPE Trunkline	
Piping Length (ft)	0
Chipped Volume Reduction (ft3/ft)	0.04
Chipped Volume (ft3)	0.00
d 6" HDPE Trunkline	
Piping Length (ft)	4000
Chipped Volume Reduction (ft3/ft)	0.08
Chipped Volume (ft3)	333.57
e 8" HDPE Trunkline	
Piping Length (ft)	18400
Chipped Volume Reduction (ft3/ft)	0.14

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WDEQ Permit No. 632 Annual Report / NRC SUA-1548

North Butte ISR Project - WDEQ Permit No. 632 Update

PART III: WELLFIELD BLDGS., EQUIPMENT REMOVAL & DISPOSAL		Mine Unit No.1
	Chipped Volume (ft3)	2599.96
f	10" HDPE Trunkline	
	Piping Length (ft)	0
	Chipped Volume Reduction (ft3/ft)	0.22
	Chipped Volume (ft3)	0.00
g	12" HDPE Trunkline	
	Piping Length (ft)	0
	Chipped Volume Reduction (ft3/ft)	0.31
	Chipped Volume (ft3)	0.00
h	14" HDPE Trunkline	
	Piping Length (ft)	0
	Chipped Volume Reduction (ft3/ft)	0.37
	Chipped Volume (ft3)	0.00
i	16" HDPE Trunkline	
	Piping Length (ft)	0
	Chipped Volume Reduction (ft3/ft)	0.49
	Chipped Volume (ft3)	0.00
j	18" HDPE Trunkline	
	Piping Length (ft)	0
	Chipped Volume Reduction (ft3/ft)	0.62
	Chipped Volume (ft3)	0.00
k	20" HDPE Trunkline	
	Piping Length (ft)	15,000
	Chipped Volume Reduction (ft3/ft)	0.72
	Chipped Volume (ft3)	10817.18
l	24" HDPE Trunkline	
	Piping Length (ft)	0
	Chipped Volume Reduction (ft3/ft)	1.04
	Chipped Volume (ft3)	0.00
Total Trunkline Chipped Volume (ft3)		
Volume for Disposal Assuming 10% Void Space (ft3)		14005.76
Transportation and Disposal Unit Cost ($/ft3)		15406
		$7.34
	Subtotal Trunkline Transport and Disposal Costs	$113,034
	Total Trunkline Removal and Disposal Costs	**$159,280**
D. Well Covers		
Total Quantity		400
Average Well Cover Volume (ft3)		1.86
1. Removal		
Total Volume (ft3)		744
Demolition Unit Cost per WDEQ Guideline No.12, App.K ($/ft3)		$0.249
	Subtotal Well Cover Demolition Costs	$185
2. Survey and Decontamination		
Assume:		
Cost per Well Cover		$7
	Subtotal Survey and Decontamination Costs	$2,624
3. Disposal		
Total Volume (cy)		28
Cost to haul to landfill		
Total Trips @12(cy) each		2
Dump Truck (Guideline 12 App. J)		$64.33
Transportation(assume 2 trips per 12hr. Day)		$886

APPENDIX B

2011-12 YEAR 1 MINING OPERATIONS RECLAMATION SURETY BOND ESTIMATE

WDEQ Permit No. 632 Annual Report / NRC SUA-1548

North Butte ISR Project - WDEQ Permit No. 632 Update

PART III: WELLFIELD BLDGS., EQUIPMENT REMOVAL & DISPOSAL	Mine Unit No.1
Disposal Unit Cost ($/ton)(Guidelne No. 12 App. K)	$95.70
Percentage (%)	100
Converted C&D waste volume to tons (.24 tons/cy)[1]	2
Subtotal Disposal Costs	$1,460
Total Well Cover Removal and Disposal Costs	**$4,269**
E. Header Houses	
Total Quantity	7
Average Header House Volume (ft3)	800
1. Removal	
Total Volume (ft3)	5600
Demolition Unit Cost per WDEQ Guideline No.12, App.K ($/ft3)	$0.249
Subtotal Building Demolition Costs	$1,393
2. Survey and Decontamination	
Assume:	
Cost per Header House	$568
Subtotal Survey and Decontamination Costs	$3,976
3. Disposal	
Total Volume (cy)	207
Volume for Disposal Assuming 10% Void Space (cy)	228
Disposal Unit Cost per WDEQ Guideline No.12, App.K ($/cy)	$8.12
Subtotal Off-Site Disposal Costs	$1,850
Total Header House Removal + Disposal Costs	**$7,219**
TOTAL WELLFIELD BUILDINGS AND EQUIPMENT REMOVAL + DISPOSAL COSTS	**$446,090**

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2011-12 YEAR 1 MINING OPERATIONS RECLAMATION SURETY BOND ESTIMATE
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PART IV: WELL & BOREHOLE ABANDONMENT	Mine Unit No.1	
A. Well Abandonment (Wellfields)		
# of Production Wells	140	
Cost to plug and abandon Production wells ($/LF)	$ 6.26	
# of Injection Wells	260	
Cost to plug and abandon Injection wells ($/LF)	$ 4.00	
# of Monitoring Wells	80	
Cost to plug and abandon Monitoring wells ($/LF)	$ 4.00	
#of Restoration Wells	0	
Cost to plug and abandon Restoration wells ($/LF)	$ 6.26	
# water supply wells	1	
Cost to plug and abandon Water Supply wells ($/LF)	$ 6.26	
Total Number of Wells	481	
Average Diameter of Casing (inches)	5	
Average Depth (ft)	650	
Subtotal Abandonment Cost per Wellfield	**$1,457,729**	
B. Removal of Contaminated Soil Around Wells		
# of Production and Injection Wells	400	
Cost per well ($/well)	$162.15	
Subtotal Removal of Soil Around Wells	**$64,860**	
C. Delineation Hole Abandonment		
# of Projected Holes	700	
Average Depth (ft)	650	
Hole Abandonment Unit Cost ($/ft of hole)	$6.26	
Site Reclamation ($/site)	$66.37	
Subtotal Hole Abandonment per Wellfield	**$2,894,756**	
D. Waste Disposal Injection Well Abandonment	**Fed BY1**	**Fed BY2**
1. Well Sealing		
Assume: TD = 8570' FedBY1, TD = 8559' FedBY2		
Sealing cost per foot (in UIC permit)	$11.91	$11.91
Subtotal Plugging Costs per Well (in UIC permit)	$102,069	$101,938
2. Pump Dismantling and Decontamination		
Number of Persons	2	2
Number of Pumps	2	2
Pumps/Day	0.5	0.5
Number of Days	4	4
$/Day/Person	$224	$224
Subtotal Dismantling and Decon Costs per Well	$1,788.80	$1,788.80
3. Tubing String Disposal (NRC-Licensed Facility)		
Length of Tubing String (ft)	8,570	8,559
Diameter of Tubing String (inches)	2.875	2.875
Volume of Tubing String (ft^3)	386	386
Transportation and Disposal Unit Cost ($/$ft^3$)	$7.34	$7.34
Subtotal Tubing String Disposal Costs per Well	$2,833	$2,830
Subtotal Waste Disposal Well Abandonment Costs per Well	$106,691	$106,556
Total Waste Disposal Well Abandonment Costs	**$213,247**	
TOTAL WELL ABANDONMENT COSTS	**$4,630,592**	

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PART V: MISCELLANEOUS SURFACE RECLAMATION	
A. Wellfield Pattern Area Reclamation	
Assume:	
Disking/Seeding Unit Cost Based on Actual Contractor Costs	
Pattern Area (acres)	23.53
Wellfield Pattern Area Disking/Seeding Unit Cost ($/acre)	$606
Subtotal Pattern Area Reclamation Costs per Wellfield	$14,257
Total Wellfield Pattern Area Reclamation Costs	**$14,257**
B. Wellfield Road Reclamation	
Length of Wellfield Roads (1000 ft)	20
Wellfield Road Reclamation Unit Cost ($/1000 ft)	$731
Subtotal Road Reclamation Costs per Wellfield	$14,620
Total Wellfield Road Reclamation Costs	**$14,620**
C. Header House Surface Reclamation	
Assume:	
Number of Header Houses	7
Area of Disturbance per Header House (ft2)	1000
Total Area of Disturbance (acres)	0.16
Average Depth of Stripped Topsoil (ft)	1
Surface Grade: Level Ground	
Average Length of Topsoil Haul (ft)	1000
1. Ripping Overburden with Dozer	
Ripping Unit Cost per WDEQ Guideline No.12, App.I1 ($/acre)	$1,104.19
Subtotal Ripping Costs	$177
2. Topsoil Application with Scraper	
Volume of Topsoil Removed (cy)	258
Application Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$1.09
Subtotal Topsoil Application Costs	$281
3. Disking and Seeding	
Disking/Seeding Unit Cost ($/acre)	$606
Subtotal Disking/Seeding Costs	$97
Subtotal Header House Reclamation Costs per Wellfield	$555
Header House Reclamation Costs per Wellfield	**$555**
TOTAL WELLFIELD SURFACE RECLAMATION COSTS	**$29,432**
D. Satellite Plant Area Reclamation	**Satellite Area Reclamation**
1. Topsoil Application	
Assume:	
Average haul distance (ft)	2000
Surface grade: Level ground	
Topsoil Surface Area (acres)	21
Average Depth of Topsoil (ft)	0.5
Volume of Topsoil (cy)	16940
Topsoil Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$1.09
Total Topsoil Application Cost	**$18,465**
2. Disking/Seeding	
Surface Area (acres)	5
Disking/Seeding Unit Cost ($/acre)	$606
Total Disking/Seeding Costs	$3,030
Satellite Plant/Office Area Reclamation	**$21,495**

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2011-12 YEAR 1 MINING OPERATIONS RECLAMATION SURETY BOND ESTIMATE

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PART V: MISCELLANEOUS SURFACE RECLAMATION	
E. Access Road Reclamation	**Main Access Road**
Assume	
Surface grade: Level ground	
Length of road (miles)	6
Average road width (ft)	25
1. Gravel Road Base Removal	
Assume	
Average haul distance (ft)	1000
Gravel Road Base Width (ft)	25
Average Road Base Depth (ft)	0.5
Volume of Road Base (cy)	14667
Removal Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$1.09
Subtotal Gravel Road Base Removal Costs	**$15,987**
2. Ripping Overburden with Dozer	
Overburden Surface Area (acres)	18
Ripping Unit Cost per WDEQ Guideline No.12, App.I1 ($/acre)	$1,104.19
Subtotal Ripping Overburden Costs	**$19,875**
3. Topsoil Application	
Assume	
Average haul distance (ft)	1000
Topsoil Surface Area (ft2)	792000
Depth of Topsoil (ft)	0.5
Volume of Topsoil (cy)	14667
Topsoil Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$1.09
Subtotal Topsoil Application Costs	$15,987
4. Disking/Seeding	
Surface Area (acres)	18
Disking/Seeding Unit Cost ($/acre)	$606
Subtotal Disking/Seeding Costs	$10,908
Total Access Road Reclamation Costs	**$62,757**
F. Evaporation Pond Reclamation	**Ponds 1 and 2**
Assume:	
Total Pond Surface Acres	2.5
Average Thickness of Liner and Sludge (in)	3
Average Thickness of Contaminated Soil (in)	6
Volume of Byproduct Material (ft3)	81675
Backhoe Operation Unit Cost	
1. Liner & Sludge Removal and Loading	
a. Equipment	
Number of Backhoes	1
ft3/hr	300
Number of Hours	272
$/hr/Backhoe	$149.14
Equipment Costs	$40,566
b. Labor	
Number of Persons	2
Number of Hours	272
$/hr/Person(operator)	$28
$/hr/Person (laborer)	$17

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2011-12 YEAR 1 MINING OPERATIONS RECLAMATION SURETY BOND ESTIMATE

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North Butte ISR Project - WDEQ Permit No. 632 Update

PART V: MISCELLANEOUS SURFACE RECLAMATION	
Labor Costs	$12,289
Subtotal Liner & Sludge Removal and Loading Costs	**$52,855**
2. Transportation and Disposal (NRC-Licensed Facility)	
Transportation and Disposal Unit Cost ($/ft3)	$7.51
Subtotal Transportation and Disposal Costs	**$613,773**
3. Leak Detection Piping Removal and Loading	
Assume:	
Piping Removal Unit Cost same as for Well fields ($/ft)	$2.30
Length of Piping (ft)	400
a. Piping Removal and Loading Costs	
Total Length of Piping (ft)	400
Subtotal Piping Removal and Loading Costs	$920
b. Shredding Costs	
Average Diameter of Piping (inches)	2
PVC Pipe Shredding Unit Cost ($/diameter-in-ft)	$0.028
Subtotal Pipe Shredding Costs	$56
c. Transport and Disposal Costs (NRC-Licensed Facility)	
Chipped Volume Reduction (ft3/ft)	0.01
Chipped Volume (ft3)	4
Volume for Disposal Assuming 10% Void Space (ft3)	4
Transportation and Disposal Unit Cost ($/ft3)	$7.34
Subtotal Piping Transport and Disposal Costs	**$29**
Subtotal Leak Detection Piping Removal and Disposal Costs	**$1,005**
4. Replacement of Excavated Soil	
Assume:	
Includes replacement of topsoil and subsoil	
Surface Grade: Level ground	
Average Haul Distance (ft)	1000
Surface Area (acres)	2.5
Average Depth of Excavated Soil (ft)	10.0
Volume of Topsoil (cy)	40333
Soil Replacement Unit Cost per WDEQ Guideline No.12, App.C ($/cy)	$1.09
Subtotal Soil Replacement Costs	$43,963
5. Disking/Seeding	
Surface Area (acres)	2.5
Disking/Seeding Unit Cost ($/acre)	$606
Subtotal Disking/Seeding Costs	$1,515
Total Evaporation Pond Reclamation Costs	**$713,111**
TOTAL MISCELLANEOUS SURFACE RECLAMATION COSTS	**$826,795**

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

WELL ABANDONMENT Unit Costs													
Per Guideline 12													
Sealing using High Solids Bentonite Grout, #500' deep													**$4.00**
Sealing using High Solids Bentonite Grout, #1,000' deep													**$6.26**
REMOVAL OF CONTAMINATED SOIL AROUND WELLS Unit Cost													
Assumptions:													
1	Use backhoe for 0.25 hr/well to dig												
2	Radiation Technician measures extent of contamination for 0.25 hr/well												
Assessment/Removal Costs													**Cost per well**
	Cat 416 Backhoe												
		0.25	hours	X	$	27.29	per hour						$6.82
	Radiation Technician												
		0.25	hours	X	$	26.87	per hour						$6.72
	Operator												
		0.25		X	$	27.95	per hour						$6.99
	Remove Casing	1	well	X	$	15.00	per well			=			$15.00
	Hole Plug/Cap	1	each	X	$	7.50	each			=			$7.50
	Site Grading & Seeding	2.13	each	X	$	31.00	per sm site			=			$66.03
Disposal and Transportation Costs													
	Contaminated Soil per Well					0.370	cy per well						
	Disposal and Transportation				$	143.50	per cy						$53.10
Total Estimated Cost per Well:													**$162.15**
Deliniation Surface Unit Costs													
Assumptions:													
Delineation Surface Reclamation Costs											650	**$/ft (based on 650 ft holes)**	
	Site Locating	1	per site	X	$	10.00	per site			=	10.00	$	0.015
Site Grading & Seeding													
	Cat 416 Backhoe	1	hours	X	$	27.29	per hour			=	27.29	$	0.042
	Operator	1	hours	X	$	27.95	per hour			=	27.95	$	0.043
	Seeding	0.0184	acre	X	$	606.00	per acre			=	11.13	$	0.017
Total Estimated Cost per Well											**66.37**		
Total Estimated Cost per Foot:													**$0.12**

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

FIVE YEAR MECHANICAL INTEGRITY TESTS (MIT)

Assumptions:

1. Equipment Costs are referenced to UC-Equip Cost
2. Labor Costs are referenced to Master Cost
3. Use pulling unit for 2 hr/well at cost of $110/hr. with Labor
4. Use MIT unit for 1.5 hrs/well at cost of $69.54/hr. With Labor

MIT Costs per Well

Equipment with Labor:

Pulling Unit				
2 hours	X	$ 110	per hour	$220.00
MIT Unit (With Labor)				
3 hours	X	$ 65.3	per hour	$195.91
		MIT COST PER WELL		$416

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

WELLFIELD PIPING REMOVAL Unit Costs

Assumptions:

1. Trenching with Trackhoe at 1000 ft per day
2. Pipeline extraction and backfilling with Trackhoe & loader at 2000 ft/day 1000 feet per day
4. Trackhoe operation requires 1 worker
5. Pipeline extraction requires 2 workers
6. Operating schedule: 8 hrs/day, 5 days/week

Equipment

Trackhoe

$ $ 149.14 / hour X 8 hours / day X 1 day / 1000 ft = $1.19 per foot

Loader

$ 46.60576 / hour X 8 hours / day X 1 day / 1000 ft = $0.37 per foot

Pickup

$ $ 19.45 / hour X 8 hours / day X 1 day / 1000 ft = $0.16 per foot

Labor

Trackhoe Operation

$ 27.95 / man hr X 8 man hrs / 1 day X 1 days / 1000 ft = $0.22 per foot

Loader Operation

$ 27.95 / man hr X 8 man hrs / 1 day X 1 day / 1000 ft = $0.22 per foot

Pipeline Extraction Laborer

$ 17.23 / man hr X 8 man hrs / 1 day X 1 day / 1000 ft = $0.14 per foot

MAIN PIPELINE REMOVAL COST **$2.30** per foot

Chipped Pipe Volume Calculations

Pipe Diam Inches	SDR	OD	ID	Wall Thickness	Area of Plastic in Crossection (ft^2)	Volume of Plastic per Linear Foot (ft^3)
1.5	11	1.900	1.534	0.183	0.0069	0.0069
2	11	2.375	1.917	0.229	0.0107	0.0107
3	11	3.500	2.825	0.3375	0.0233	0.0233
4	11	4.500	3.633	0.4335	0.0385	0.0385
6	11	6.625	5.348	0.6385	0.0834	0.0834
8	11	8.625	6.963	0.831	0.1413	0.1413
10	11	10.750	8.678	1.036	0.2196	0.2196
12	11	12.750	10.293	1.2285	0.3088	0.3088
14	11	14.000	11.302	1.349	0.3723	0.3723
16	11	16.000	12.916	1.542	0.4864	0.4864
18	11	18.000	14.531	1.7345	0.6155	0.6155
20	11	20.000	16.364	1.818	0.7211	0.7211
24	11	24.000	19.636	2.182	1.0386	1.0386

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

WELLFIELD ROAD RECLAMATION

Assumptions:

1. Gravel road base removed at cost of $1.19/cy/1000 ft (WDEQ Guideline No.12, Appendix C)
2. Gravel road base: average depth = 0.25 ft, average width = 10 ft
3. Roads scarified prior to topsoil application at cost of $59.41/acre (WDEQ Guideline No. 12, Appendix P)
4. Topsoil applied at cost of $1.19/cy/1000 ft (WDEQ Guideline No. 12, Appendix C, Surface grade: level ground)
5. Stripped topsoil: average depth = 0.4 ft, average width = 20 ft
6. Disking/seeding cost of $685/acre is based on actual contractor costs

Gravel Road Base Removal Costs per 1000 ft of Road

$$\frac{1000\ ft}{} \times \frac{0.25\ ft}{} \times \frac{10\ ft}{} \times \frac{1\ cy}{27\ ft3} \times \frac{\$1.09}{acre} = \$\ 101$$

Scarification Costs per 1000 ft of Road

$$\frac{1000\ ft}{} \times \frac{20\ ft}{} \times \frac{1\ acre}{43560\ ft2} \times \frac{\$62.93}{acre} = \$\ 29$$

Topsoil Application Costs per 1000 ft of Road

$$\frac{1000\ ft}{} \times \frac{0.40\ ft}{} \times \frac{20\ ft}{} \times \frac{1\ cy}{27\ ft3} \times \frac{\$1.09}{cy} = \$\ 323$$

Disking/Seeding Costs per 1000 ft of Road

$$\frac{1000\ ft}{} \times \frac{20\ ft}{} \times \frac{1\ acre}{43560\ ft2} \times \frac{\$606}{acre} = \$\ 278$$

TOTAL WELLFIELD ROAD RECLAMATION COSTS PER 1000 FT OF ROAD = $ 731

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

PIPE SHREDDING COST:

Assumptions:

1. Shredder Cost (UC-Equipment Costs)= $ 22.41 hr
2. Operator Cost(Master Costs) = $17.23 hr
3 Shredding Rate :
   a. HDPE SDR 11 pipe = 8,000 (diameter - inches - feet / day)
      eg: 1,000 ft of 8" diameter, or , 2,000 ft of 4" diameter per day
   b. PVC pipe = 16,000 (diameter - inches - feet / day)

Shredding Cost: (Includes Labor)

a. HDPE SDR 11:

$$\frac{454.9997\ \$/day}{8{,}000\ \text{Dia-in-ft/day}} = \frac{\$0.057}{\text{Dia - in - ft}}$$

b. PVC:

$$\frac{454.9997\ \$/day}{16{,}000\ \text{Dia-in-ft/day}} = \frac{\$0.028}{\text{Dia - in - ft}}$$

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

Equipment Costs - based on Cost Reference Guide - Equipment Watch 2010

Gasoline cost/gallon= : $ 3.00
Diesel Cost/ gallon = $ 3.23

GEC = ground engaging components 18%

	Hourly Ownership & Overhaul Cost					Field Repair & Operating Expenses (no operator labor)									
	Ownership			Overhaul											
Equipment Description	Depr. $	CFC $	O'Head $	Labor $	Parts $	Labor $	Parts $	Fuel consum. Gal/hr	Fuel $	Lube $	Tires $	GEC $	Total Operating cost/hr	Total Hourly Cost	Owner's Profit & OH / hr	Cost/hr
Cat 14H Grader - 14' Blade	$ 16.53	$ 7.29	$ 9.16	$ 3.95	$ 8.32	$ 3.29	$ 8.07	7.04	$ 22.74	$ 4.22	$ 5.14	$ 0.64	$ 44.10	$ 89.35	$ 16.08	$ 105.43
Bobcat S250 Skid Steer Loader	$ 1.95	$ 0.64	$ 0.76	$ 1.75	$ 1.31	$ 1.42	$ 0.93	2.78	$ 8.97	$ 0.84	$ 0.85	$ 0.08	$ 13.09	$ 19.52	$ 3.51	$ 23.03
Backhoe 416E Extendable Boom	$ 3.85	$ 1.51	$ 1.30	$ 1.21	$ 0.92	$ 1.23	$ 1.14	2.88	$ 9.29	$ 1.57	$ 0.95	$ 0.15	$ 14.33	$ 23.12	$ 4.16	$ 27.29
Cat 924H 4-WD Wheel Loader	$ 8.05	$ 2.76	$ 2.63	$ 2.30	$ 1.85	$ 2.85	$ 1.80	4.12	$ 13.32	$ 1.87	$ 1.83	$ 0.24	$ 21.91	$ 39.50	$ 7.11	$ 46.61
Cat 615C Elevating Scarper	$ 17.88	$ 7.79	$ 7.88	$ 7.89	$ 14.79	$ 12.27	$ 13.31	10.07	$ 32.52	$ 5.18	$ 3.33	$ 1.14	$ 67.75	$ 123.98	$ 22.32	$ 146.30
Cat D8R Dozer - Semi U Blade	$ 21.97	$ 7.90	$ 7.53	$ 7.89	$ 14.36	$ 8.77	$ 13.86	11.36	$ 36.69	$ 5.41	$ -	$ 2.01	$ 66.74	$ 126.39	$ 22.75	$ 149.14
Cat 320C L Trackhoe	$ 16.31	$ 5.02	$ 3.64	$ 5.70	$ 5.60	$ 5.70	$ 5.60	5.80	$ 18.72	$ 3.52	$ -	$ 0.90	$ 34.44	$ 70.71	$ 12.73	$ 83.44
Concrete Jaws Labounty - CP-60	$ 1.57	$ 0.47	$ 0.47	$ 0.81	$ 0.39	$ 7.30	$ 1.95	-	$ -	$ 0.21	$ -	$ -	$ 9.46	$ 13.17	$ 2.37	$ 15.54
Grove RT700E 50 ton RT Crane	$ 20.62	$ 6.85	$ 8.83	$ 6.07	$ 9.81	$ 5.85	$ 13.79	11.54	$ 37.28	$ 6.22	$ 5.70	$ -	$ 68.84	$ 121.02	$ 21.78	$ 142.80
Vermeer 1230 Chipper	$ 2.19	$ 0.40	$ 0.60	$ 1.21	$ 1.38	$ 0.99	$ 1.02	2.92	$ 9.43	$ 0.83	$ 0.26	$ 0.69	$ 13.22	$ 19.00	$ 3.42	$ 22.41
JLG 600S Manlift - 60 ft (Gas)	$ 11.12	$ 2.18	$ 1.51	$ 5.10	$ 4.52	$ 5.26	$ 1.87	3.11	$ 9.33	$ 1.71	$ 0.80	$ -	$ 18.97	$ 43.40	$ 7.81	$ 51.21
Pressure Washer 5 gpm 2200 psi	$ 0.21	$ 0.04	$ 0.03	$ 0.34	$ 0.09	$ 0.52	$ 0.04	0.50	$ 1.50	$ 0.17	$ -	$ -	$ 2.23	$ 2.94	$ 0.53	$ 3.47
Pick-up Truck 3/4 ton 4X4	$ 2.66	$ 0.44	$ 0.37	$ 0.59	$ 0.54	$ 0.75	$ 0.52	3.14	$ 9.42	$ 0.79	$ 0.40	$ -	$ 11.88	$ 16.48	$ 2.97	$ 19.45
Pulling Unit - Truck 1.75 Ton 4X4	$ 4.06	$ 0.71	$ 0.72	$ 0.66	$ 0.88	$ 0.83	$ 0.85	6.88	$ 20.63	$ 1.66	$ 0.65	$ -	$ 24.62	$ 31.65		
Hoisting Unit - Hydraulic 18000#	$ 4.91	$ 0.90	$ 0.78	$ 1.46	$ 1.32	$ 1.80	$ 1.52	-	$ -	$ 0.46	$ -	$ -	$ 3.78	$ 13.15		
Pulling Unit Total	$ 8.97	$ 1.61	$ 1.50	$ 2.12	$ 2.20	$ 2.63	$ 2.37	6.88	$ 20.63	$ 2.12	$ 0.65	$ -	$ 28.40	$ 44.80	$ 8.06	$ 52.87
MIT Truck - 1.75 Ton 4X4 Gas	$ 4.06	$ 0.71	$ 0.72	$ 0.66	$ 0.88	$ 0.83	$ 0.85	6.88	$ 20.63	$ 1.66	$ 0.65	$ -	$ 24.62	$ 31.65	$ 5.70	$ 37.35
Mobile Mixer Trailer Mounted - Cementer - Grout mixer pumper	$ 5.86	$ 1.12	$ 1.07	$ 4.16	$ 1.68	$ 5.48	$ 1.85	2.02	$ 6.52	$ 0.85	$ 0.40	$ -	$ 15.10	$ 28.99	$ 5.22	$ 34.21
Gooseneck Trailer 3 Axle - fixed	$ 2.85	$ 0.76	$ 0.45	$ 1.42	$ 0.88	$ 1.64	$ 1.22	-	$ -	$ 0.29	$ 2.24	$ -	$ 5.39	$ 11.75	$ 2.12	$ 13.87
GEHL DL-8 Rough Terrain Lift Truck	$ 8.35	$ 1.88	$ 1.92	$ 5.06	$ 4.93	$ 5.28	$ 3.31	3.23	$ 10.44	$ 1.61	$ 1.43	$ -	$ 22.07	$ 44.21	$ 7.96	$ 52.17

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

Mine Unit Data

	Mine Unit 1	Mine Unit 2	Mine Unit 3	Mine Unit 4	Mine Unit 5
Total number of production wells	140			0	0
Total number of injection wells	300			0	0
Total number of monitor wells	75			0	0
Flare Factor	1 5				0
Wellfield Area (ft2)	1,095,400	0	0	0	0
Wellfield Area (acres)	23 53	0 00	0 00	0 00	0 00
Affected Ore Zone Area (ft2)	1,095,400	0	0	0	0
Avg Completed Thickness	20 0	20 0	20 0	20 0	20 0
Porosity	0 27	0 27	0 27	0 27	0 27
Affected Volume (ft3)	32,862,000	0	0	0	0
Kgallons per Pore Volume	56 308	0	0	0	0
Number of Patterns in Unit(s)					
Current	0	0	0	0	0
Estimated next report	140	0	0	0	0
Total Estimated	140	0	0	0	0
Number of Wells in Unit(s)					
Production Wells					
Current	0	0	0	0	0
Estimated next report	140	0	0	0	0
Total Estimated	140	0	0	0	0
Injection Wells					
Current	0	0	0	0	0
Estimated next report	260	0	0	0	0
Total Estimated	260	0	0	0	0
Monitor and Restoration Wells					
Current	0	0	0	0	0
Estimated next report	80	0	0	0	0
Total Estimated	80	0	0	0	0
Number of Wells per Wellfield	480	0	0	0	0
Total Number of Wells	480				
Average Well Depth (ft)	680	0	0	0	0
Average Diameter of Casing (inches)	5	5	5	5	5
Delineation Holes Estimated Next Report Period	700	0	0	0	0
Length of Fencing (ft)	0	0		0	0
Number of Deep Disposal Wells	2				
Electrical Costs	2009 Actual				
Power cost	$0 0478	kwhr			
Kilowatt to Horsepower	0.746	Kw/HP			
Horsepower per gallon per minute	0.167	HP/gpm			
Labor Rates					
Latest Available, Wyoming, Mountain States Employers Council, July, 2009 or 2011 Bldg Cost Prevailing Wages (Guideline 12 method)	Inc 42% benefits	(i.e., overhead)			
Environmental Manager/RSO	$45 43	$64 51	hour	Mountain States Employers Council	
Restoration Manager/Hydrologist	$32 21	$45 74	hour	Mountain States Employers Council	
Operator	$23 22	$27 95	hour	2011 Bldg Const Prevailing Wages	
Laborer	$15 17	$17 23	hour	2011 Bldg Const Prevailing Wages	
Engineer	$32 21	$45 74	hour	Mountain States Employers Council	
Radiation/Environmental Engineering Technician	$18 92	$26 87	hour	Mountain States Employers Council	
2,080 working hours in a year	173	hours per month			
Chemical Costs	2010 Actual				
Antiscalant for RO	$16 19	gal			
Sodium Sulfide	$0 38	pound			
Methanol	$2 43	gal			
Cement	$5 94	sack			
Bentonite Tubes	$2 80	tube			
Plug Gel	$7 30	sack			
Well Cap	$7 50	each			
Hydrochloric Acid	$0 16	pound			

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

Analytical Costs						
Guideline 8 (contract lab adjusted for current contract cost)	$337.00	analysis				
8 parameter (in-house) Est Rate (CPI)	$100.00	analysis				
Other (radon, bio, etc.) Est Rate (CPI)	$1,000.00	month				
Equipment Costs						
Equipment	Base Rental Rate ($/hr)	Labor Costs ($/hr)	Repair Reserve Costs ($/hr)	Fuel Costs ($/hr)	Mob & Demob ($/hr)	Total ($/hr)
Cat 924G Loader	$46.61	N/A	inc	inc	inc.	$46.61
Cat 416 Backhoe	$27.29	N/A	inc	inc	inc	$27.29
Shredder	$22.41	N/A	inc	inc	inc	$22.41
Cat D8N Bulldozer	$146.30	N/A	inc	inc	inc	$146.30
Pulling Unit with Operator	$110.00	inc	inc	inc	inc	$110.00
MIT Unit with Operator	$37.35	N/A	inc	inc	inc	$37.35
Drill Rig (workover, repair, P&A) wi	$200.00	inc	inc	inc	inc	$200.00
Goose Neck Trailer	$13.87	N/A	inc	inc	inc	$13.87
Manlift Rental	$51.21	inc	inc	inc	inc	$51.21
Cementer	$34.21	N/A	inc	inc	inc	$34.21
Crane Rental with Operator	$142.80	inc	inc	inc	inc	$142.80
Cat 320C L Trackhoe	$149.14	N/A	inc	inc	inc	$149.14
Concrete Jaws Labounty - CP-6	$83.44	N/A	inc	inc	inc	$83.44
Pick-up Truck 3/4 ton 4X4	$19.45	N/A	inc	inc	inc	$19.45
Hose Reel	$82.50	N/A	inc	inc	inc	$82.50
Bobcat S250 Skid Steer Loader	$23.03	N/A	inc	inc	inc	$23.03
Cat 14H Grader - 14' Blade	$105.43	N/A	inc	inc	inc	$105.43
Cat 815C Elevating Scarper	$146.30	N/A	inc	inc	inc	$146.30
Basis						
Drill Rig Based on Current Contract						
Equipment rates based on Cost Reference Guide-Equipment Watch 2010 updated addition (see UIC-Equip Cost)						
Pulling Unit Cost Based on Quote from Pronghorn Pump.						
Diesel costs from EIA projected average for 2011				$3.230	gallon	
Gasoline costs from EIA projected average for 2011				$3.000	gallon	

Waste Disposal Costs

Waste Form	Fee		Density Correction Factor (Tons/Yd3)	Fee per Cubic Yard	Transport Cost		Total Transportation and Disposal	
Soil, Concrete, Bulk Byproduct Material	$110.00	per Ton	0.54	$59.40	$143.50	per Yd3	$202.90	per Yd3
							$7.51	per ft3
Unpackaged Bulk Byproduct Material (e.g., pipe)	$130.00	per Ton	0.42	$54.60	$143.50	per Yd3	$198.10	per Yd3
							$7.34	per ft3
Solid Waste (landfill)	$0.00827	per Lb			Incl	per Lb	$0.00827	per Lb
Solid Waste (landfill)	$132.79	per Load			Incl	per Load	$133.75	per Load
Void Factor (for disposal)	1.25							
Transportation Cost per load	$2,800	yrds/load	30	yd				
Bin Rental (90 days @ $13.00 per day)	$1,170							
Decontamination Fee	$170	per Load						
Unloading Fee	$165	per Load						
Total Transportation	$4,305							
Disposal Costs are Based on the Current Contract								
With Denison Mines good through 2015								
Tansportation is Calculated from SRH								

Load Correction Factors - difference between solid material				
Material	Pounds/CY Solid (bank)	Broken (Loose)	% Dif	Load Factor
Granite	4536	2781	39%	0.61
Limestone	4401	2619	40%	0.60
Sandstone	3915	2534	35%	0.65
Concrete	3996	2178	46%	0.54
Sand & gravel	2700	2400	11%	0.89

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

Guideline No. 12 Unit Costs (Includes Profit						
Paragraph 12, Miscellaneous (Administrative, Overhead and Contingency)						
Extrapolated percentage based on numbers provided					15	percent
App K, Cost Estimates for Demolition and Removal of Railroad Spurs and Facilities Buildings						
Task	Cost per unit		Regional Cost Adjustment		Adjusted Cost per Unit	
Mixture of Types	$0 26	ft3	0 957		$0 249	ft3
Explosive Demolition, Concrete or	0 24	ft3	0 957		$0 230	ft3
Disposal (Average)	8 48	cy	0 957		$8 115	cy
City Landfill Dump Charges	$100 00	ton	0 957		$95 700	ton
Concrete Footings and Foundations			0 957		$0 000	
6" Thick with Rebar	5 26	ft2	0 957		$5 053	ft2
Footings - 2' Thick, 3' Wide	18 95	lin ft	0 957		$18 135	lin ft
Concrete Disposal On-Site	7 28	cy	0 957		$6 967	cy
Dump truck from Appendix J	64 33	hr				
Caterpillar 980G from Appendix J	106 05	hr				
City Landfill Dump Charges x density correction factor			0 42		$42 00	
App C, Calculations for Moving Materials with a Caterpillar 637G Push-Pull Scraper Fleet					Operating Cost per bank (in a/tu) cubic yards	
One-Way Distance 500 feet, 0% grade					$0 913	bcy
One-Way Distance 1,000 feet, 0% grade					$1 090	bcy
One-Way Distance 2,000 feet, 0% grade					$1 413	bcy
One-Way Distance 6 500 feet, 5% grade, reseating					$3 820	bcy
App E, Calculations for Moving Material with a Caterpillar D9R Dozer					Operating Cost per linear cubic yard	
Distance 50 feet					$0 133	lcy
App H, Cost Estimates for Handling Wire Fencing and Electrical Power Lines						
Fencing Removal					$0 31	linear foot
App I, Cost Estimate for Ripping Asphalt Using a Caterpillar D9R Dozer					Operating Cost	
					$702 87	per acre
App H, Cost Estimate for Ripping Overburden Using a Caterpillar D10T Dozer					Operating Costs	
	0 27	acre/hour			$[illegible] 15	per hour
					$1,104 19	per acre
App J, Cost Estimate for Removing one 20' Section of CMP					Operating Cost	
					$122 02	per 20' section
App L, Abandonment and Sealing of Cased Drill Holes and Monitor Wells						
Site Grading					$30 00	per site
Seeding					$1 00	per site
Large Sites 100' x 100'					$100 00	per site
App O Cost to Remove One Meteorological Station					$886 48	per site
App P Cost Estimates for Scarification of Compacted Surfaces Using Cat 16H Grader					Operating Costs	
	2 0	acre/hour			$182 48	per hour
					$82 93	per acre
Vehicle Operating Costs						
Pickup (Gas)	$26 15					
Pickup (Diesel)	$22 69					
Seeding Unit Costs						
Disking / Seeding/Topsoil Costs			2010 Actual			
Seed cost			$85 89	per acre		
Hay Mulch Crimped and Tackifier Soil Amendment			$540	per acre		
Seed and Mulch			$606	per acre		
Depth of Topsoil			0 5	feet		

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

North Butte Satellite Plant Dimension Calculations

Satellite Plant Dimensions			
Exterior			
Main Building	Height, ft	Width, ft	Length,ft
	22	80	160
Office	19	40	160
Restoration	19	40	160
Roof			
Half of total building		80	160

Shop Dimensions			
Interior			
Interior Wall Dim	Height, ft	Width, ft	Length,ft
	19	40	
Floor			
Main Satellite		80	160
Restoration Area		40	160

Satellite Plant Surface Area		
Ends	3,520	ft^2
Side 1	3,520	ft^2
Side 2	3,520	ft^2
Total	10,560	ft^2
Office and Maint		
Side 1	3,040	ft^2
Ends	1,520	ft^2
Restoration		
Side 1	3,040	ft^2
Ends	1,520	ft^2
Total	4,560	ft^2
Subtotal Outside Walls	19,680	ft^2
Roof	25,600	ft^2
2 halves		
Main Shop Floor	12,800	ft^2
Restoration	6,400	ft^2
Offices	6,400	ft^2
Interior Walls		
5 walls total		
5 Walls	3,800	ft^2
Total Building Surface Area	49,080	ft^2

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

Building Volume		
Main Plant	281,600	ft^3
Support Spaces	243,200	ft^3
Total Building Volume	524,800	ft^3
Demolition		
volume	33,000	ft^3

TABLE RP-4A
Reclamation Cost Estimate
Detailed Assumptions and Calculations

DDW Building Dimensions
Exterior

Main Building	Height	Width	Length
Dimensions	ft	ft	ft
	10	20	24
Building Volume	4800	ft^3	
Surface Area for the Satellite Plant			
Ends	400	ft^2	
Side 1	240	ft^2	
Side 2	240	ft^2	
Total	880	ft^2	
Roof	480	ft^2	
2 halves			
Main Shop Floor	480	ft^2	
Total Building Surface Area	1360	ft^2	
Volume of Building			
Main Plant	4800	ft^3	
Support Spaces	0	ft^3	
Total Building Volume	4800	ft^3	
Demolition			
volume	1000	ft^3	

Abbreviations/Acronyms

$	Dollars
$/Kgal	Dollars per 1000 gallons
avg	average
ft	feet
ft2	square feet
ft3	cubic feet
gal	gallon
gpm	gallons per minute
H&S	Health and Safety
H2S	Hydrogen Sulfide
H2SO4	Sulfuric Acid
HCl	Hydrochloric Acid
Hp	Horsepower
Kgal	1000 gallons
Kwh	Kilowatt-hours
NaOH	Caustic Soda
OD	Outside Diameter
PPE	personal protective equipment
PV	Pore Volume Estimate
reqm't	requirement
RO	Reverse Osmosis
WDW	Waste Disposal Well
cy	cubic yards
yr	year

CAMECO RESOURCES
Project Development
550 N. Poplar Street
Suite 100
Casper, WY
82601 USA

Tel: (307) 237 - 2128
Fax: (307) 237 - 2142
www.cameco.com

September 19, 2011

Mr. Glenn Mooney, Sr. Analyst
WDEQ Land Quality Division – District III
2100 W. 5th Street
Sheridan, WY 82801

RE: Request for Partial Bond Release
North Butte Uranium ISR Project
Campbell County

Dear Mr. Mooney:

Cameco Resources (Cameco) is enclosing two (2) paper copies of an Abandoned Drill Site Report (Table 1) and 2010/11 Plugged and Abandoned Borehole Map - North Butte (Map 1).

Following a drill site inspection on March 16, 2011 LQD approved a reclamation surety bond of $1,735,000 for the proposed drilling program for 2011 of 400 boreholes. At this time LQD also released partial bond of 123 boreholes from the 2010 drilling program.[1]

On August 31, 2011 Cameco requested another site drilling inspection with Glenn Mooney, LQD, following the completion of the 2011 Delineation Program. There were 509 delineation holes drilled from September 2010 to July 2011. Of the 509 holes, 123 were released from the bond during the March 16, 2011 inspection. The remaining 386 delineation holes have all been reclaimed through surface cement capping, and the locations have been contoured (see enclosed Table 1 and Map 1). Seeding for the boreholes will take place beginning the week of September 19th, 2011. Cameco is requesting partial credit for theses remaining 386 delineation holes.

[1] Letter dated 3/31/2011 from Glenn Mooney to Jean Lawlor, re: NB ISL Operation, Permit No. 632

For the remainder of 2011 Cameco intends to drill approximately 60 monitor wells and a deep disposal test well. Both the monitor wells and the deep disposal test well are covered in our approved 2010/11 surety of $1,735,000. If you have comments or questions concerning this request for partial bond release, please contact Jeanie Wolford in Casper at telephone 307-333-7644 or at e-mail Jeanie_Wolford@cameco.com.

Sincerely,
Cameco Resources

Josh Leftwich
Director, Radiation Safety & Licensing

Enclosures: Table1 - Abandoned Drill Site Report
Map 1 - Plugged and Abandoned Borehole Map - North Butte

cc: file NB4.3.4.2
B.Soliz / CR Casper (pdf only)
Cheyenne (pdf only)

JL/jmw/ah
H:\NorthButte\Annual Reports\2010\Addendum_2010 Annual Report.doc

TABLE 1
PLUGGED ABANDONED DRILL SITE REPORT

To Be Filed with the WDEQ-Land Quality Division, as required by W.S.35-11-404(d)&(e)

Reporting Organization
Cameco Resources
550 N. Poplar St. Ste. 100
Casper, WY 82601
Tel. 307-237-2128

Date of Report: 9/1/11
For the Year of: 2010-11

CN#	DN#
LE#	R&D#

MINERAL COMMODITY: uranium

Hole No.	Date Drilled	Date Aban-doned	Location nearest 40-acre subdivision TWN N	RNG W	SECT	QQ	State Plane Northing, ft	State Plane Easting, ft	County	Land Status**	Total Depth Drilled	artestian flow gpm	how surface capped	abandonment procedures remarks
														Abandoned according to W.S. 35-11-404 & WDEQ/LQD Ch.8
13-470	1/27/11	1/27/2011	44	76	13		1136099	298881	CAMPBELL	1	659	0	Cement Plug	"
13-476	2/14/11	2/14/2011	44	76	13		1136453	298487	CAMPBELL	1	677	0	Cement Plug	"
13-477	2/11/11	2/11/2011	44	76	13		1136254	298481	CAMPBELL	1	678	0	Cement Plug	"
13-478	2/14/11	2/14/2011	44	76	13		1136150	298482	CAMPBELL	1	683	0	Cement Plug	"
13-479	2/11/11	2/11/2011	44	76	13		1136051	298480	CAMPBELL	1	683	0	Cement Plug	"
13-484	2/22/11	2/22/2011	44	76	13		1136146	298935	CAMPBELL	1	666	0	Cement Plug	"
13-486	2/22/11	2/22/2011	44	76	13		1136046	298832	CAMPBELL	1	679	0	Cement Plug	"
13-487	2/22/11	2/22/2011	44	76	13		1136003	298732	CAMPBELL	1	682	0	Cement Plug	"
13-490	2/16/11	2/16/2011	44	76	13		1136302	298633	CAMPBELL	1	680	0	Cement Plug	"
13-491	2/17/11	2/17/2011	44	76	13		1136100	298634	CAMPBELL	1	680	0	Cement Plug	"
13-492	2/23/11	2/23/2011	44	76	13		1136002	298632	CAMPBELL	1	680	0	Cement Plug	"
13-494	2/18/11	2/18/2011	44	76	13		1136101	298533	CAMPBELL	1	683	0	Cement Plug	"
13-495	2/16/11	2/16/2011	44	76	13		1136199	298532	CAMPBELL	1	685	0	Cement Plug	"
13-497	2/15/11	2/15/2011	44	76	13		1136502	298431	CAMPBELL	1	698	0	Cement Plug	"
13-498	2/17/11	2/17/2011	44	76	13		1136402	298432	CAMPBELL	1	704	0	Cement Plug	"
13-500	2/17/11	2/17/2011	44	76	13		1136200	298433	CAMPBELL	1	679	0	Cement Plug	"
13-507	2/15/11	2/15/2011	44	76	13		1136394	298341	CAMPBELL	1	699	0	Cement Plug	"
13-513	3/14/11	3/14/2011	44	76	13		1136456	297885	CAMPBELL	1	739	0	Cement Plug	"
13-520	3/8/11	3/8/2011	44	76	13		1136656	297789	CAMPBELL	1	760	0	Cement Plug	"
13-526	3/8/11	3/8/2011	44	76	13		1136856	297888	CAMPBELL	1	740	0	Cement Plug	"
13-527	3/7/11	3/7/2011	44	76	13		1136856	297789	CAMPBELL	1	740	0	Cement Plug	"
13-535	3/1/11	3/1/2011	44	76	13		1137256	297791	CAMPBELL	1	740	0	Cement Plug	"
13-543	3/1/11	3/1/2011	44	76	13		1137657	297694	CAMPBELL	1	760	0	Cement Plug	"
13-544	3/3/11	3/3/2011	44	76	13		1137657	297593	CAMPBELL	1	758	0	Cement Plug	"
18-153	10/07/10	10/7/2010	44	75	18		1136078	301031	CAMPBELL	1	660	0	Cement Plug	"
18-154	10/08/10	10/8/2010	44	75	18		1136048	300927	CAMPBELL	1	659	0	Cement Plug	"
18-157	10/14/10	10/11/2010	44	75	18		1136080	300832	CAMPBELL	1	659	0	Cement Plug	"
18-158	10/14/10	10/11/2010	44	75	18		1136082	300733	CAMPBELL	1	659	0	Cement Plug	"
18-159	10/19/10	10/19/2010	44	75	18		1136182	300732	CAMPBELL	1	657	0	Cement Plug	"
18-162	10/18/10	10/18/2010	44	75	18		1136082	300633	CAMPBELL	1	658	0	Cement Plug	"
18-163	11/08/10	11/8/2010	44	75	18		1136080	300521	CAMPBELL	1	681	0	Cement Plug	"
18-164	10/20/10	10/20/2010	44	75	18		1136183	300534	CAMPBELL	1	679	0	Cement Plug	"
18-168	11/5/10	11/5/2010	44	75	18		1136600	300439	CAMPBELL	1	661	0	Cement Plug	"
18-171	10/21/10	10/21/2010	44	75	18		1136272	300431	CAMPBELL	1	677	0	Cement Plug	"
18-172	10/21/10	10/21/2010	44	75	18		1136182	300449	CAMPBELL	1	678	0	Cement Plug	"
18-174	11/5/10	11/5/2010	44	75	18		1135988	300333	CAMPBELL	1	680	0	Cement Plug	"
18-175	11/17/10	11/17/2010	44	75	18		1136185	300338	CAMPBELL	1	681	0	Cement Plug	"
18-176	10/22/10	10/22/2010	44	75	18		1136285	300338	CAMPBELL	1	680	0	Cement Plug	"
18-177	10/28/10	10/28/2010	44	75	18		1136385	300338	CAMPBELL	1	659	0	Cement Plug	"
18-179	11/4/10	11/4/2010	44	75	18		1136585	300338	CAMPBELL	1	657	0	Cement Plug	"
18-181	11/1/10	11/1/2010	44	75	18		1136488	300236	CAMPBELL	1	659	0	Cement Plug	"
18-182	10/29/10	10/29/2010	44	75	18		1136388	300236	CAMPBELL	1	660	0	Cement Plug	"
18-184	11/12/10	11/12/2010	44	75	18		1136187	300236	CAMPBELL	1	658	0	Cement Plug	"
18-185	11/23/10	11/23/2010	44	75	18		1136089	300234	CAMPBELL	1	637	0	Cement Plug	"
18-186	12/2/10	12/2/2010	44	75	18		1135990	300235	CAMPBELL	1	687	0	Cement Plug	"
18-188	11/17/10	11/17/2010	44	75	18		1136088	300137	CAMPBELL	1	667	0	Cement Plug	"
18-189	12/1/10	12/1/2010	44	75	18		1136188	300136	CAMPBELL	1	661	0	Cement Plug	"
18-191	1/21/11	1/21/2011	44	75	18		1136387	300137	CAMPBELL	1	665	0	Cement Plug	"
18-192	11/02/10	11/2/2010	44	75	18		1136588	300138	CAMPBELL	1	660	0	Cement Plug	"
18-193	11/3/10	11/3/2010	44	75	18		1136688	300138	CAMPBELL	1	659	0	Cement Plug	"
18-194	11/3/10	11/3/2010	44	75	18		1136788	300138	CAMPBELL	1	660	0	Cement Plug	"
18-195	1/14/11	1/14/2011	44	75	18		1136792	300028	CAMPBELL	1	662	0	Cement Plug	"
18-196	1/14/11	1/13/2011	44	75	18		1136688	300039	CAMPBELL	1	661	0	Cement Plug	"
18-197	1/7/11	1/7/2011	44	75	18		1136589	300038	CAMPBELL	1	664	0	Cement Plug	"
18-198	12/3/10	12/3/2010	44	75	18		1136488	300037	CAMPBELL	1	665	0	Cement Plug	"
18-199	12/6/10	12/6/2010	44	75	18		1136389	300034	CAMPBELL	1	665	0	Cement Plug	"
18-200	12/2/10	12/2/2010	44	75	18		1136287	300034	CAMPBELL	1	660	0	Cement Plug	"
18-201	12/6/10	12/6/2010	44	75	18		1135188	300034	CAMPBELL	1	658	0	Cement Plug	"
18-202	12/1/10	12/1/2010	44	75	18		1136088	300034	CAMPBELL	1	668	0	Cement Plug	"
18-205	12/13/10	12/13/2010	44	75	18		1136086	299932	CAMPBELL	1	660	0	Cement Plug	"
18-206	12/13/10	12/13/2010	44	75	18		1136189	299937	CAMPBELL	1	666	0	Cement Plug	"
18-208	12/9/10	12/9/2010	44	75	18		1136385	299934	CAMPBELL	1	665	0	Cement Plug	"
18-210	1/6/11	1/6/2011	44	75	18		1136591	299936	CAMPBELL	1	661	0	Cement Plug	"
18-211	1/12/11	1/12/2011	44	75	18		1136688	299941	CAMPBELL	1	658	0	Cement Plug	"
18-213	1/14/11	1/14/2011	44	75	18		1136787	299830	CAMPBELL	1	661	0	Cement Plug	"
18-216	12/13/10	12/13/2010	44	75	18		1136490	299836	CAMPBELL	1	670	0	Cement Plug	"
18-217	12/13/10	12/13/2010	44	75	18		1136391	299837	CAMPBELL	1	667	0	Cement Plug	"
18-221	12/15/10	12/15/2010	44	75	18		1135988	299832	CAMPBELL	1	667	0	Cement Plug	"
18-227	12/17/10	12/17/2010	44	75	18		1136489	299737	CAMPBELL	1	663	0	Cement Plug	"
18-232	1/7/11	1/7/2011	44	75	18		1136206	299635	CAMPBELL	1	662	0	Cement Plug	"
18-234	1/6/11	1/6/2011	44	75	18		1135991	299631	CAMPBELL	1	663	0	Cement Plug	"
18-240	1/25/11	1/25/2011	44	75	18		1135992	299331	CAMPBELL	1	662	0	Cement Plug	"
18-241	1/21/11	1/21/2011	44	75	18		1136093	299334	CAMPBELL	1	661	0	Cement Plug	"
18-243	1/24/11	1/24/2011	44	75	18		1135996	299230	CAMPBELL	1	641	0	Cement Plug	"
18-259	11/19/10	11/19/2010	44	75	18		1136602	300449	CAMPBELL	1	660	0	Cement Plug	"
18-260	12/1/10	12/1/2010	44	75	18		1135996	300326	CAMPBELL	1	688	0	Cement Plug	"
18-262	2/18/11	2/18/2011	44	75	18		1136097	299032	CAMPBELL	1	659	0	Cement Plug	"
18-263	2/18/11	2/16/2011	44	75	18		1135995	299029	CAMPBELL	1	658	0	Cement Plug	"
19-309	9/17/10	9/17/2010	44	75	19		1134820	301922	CAMPBELL	1	578	0	Cement Plug	"
19-310	09/09/10	9/9/2010	44	75	19		1134820	302022	CAMPBELL	1	577	0	Cement Plug	"
19-311	09/24/10	9/24/2010	44	75	19		1135022	301924	CAMPBELL	1	579	0	Cement Plug	"
19-313	09/08/10	9/8/2010	44	75	19		1135072	301824	CAMPBELL	1	577	0	Cement Plug	"
19-317	09/28/10	9/28/2010	44	75	19		1135209	301646	CAMPBELL	1	599	0	Cement Plug	"
19-318	9/17/10	9/17/2010	44	75	19		1135223	301477	CAMPBELL	1	598	0	Cement Plug	"
19-321	09/13/10	9/13/2010	44	75	19		1135475	301528	CAMPBELL	1	578	0	Cement Plug	"

TABLE 1
PLUGGED ABANDONED DRILL SITE REPORT

Hole No.	Date Drilled	Date Aban-doned	Location nearest 40-acre subdivision				State Plane Northing, ft	State Plane Easting, ft	County	Land Status**	Total Depth Drilled	artesian flow gpm	how surface capped	abandonment procedures remarks
			TWN N	RNG W	SECT	QQ								
19-322	09/10/10	9/10/2010	44	75	19		1135475	301427	CAMPBELL	1	578	0	Cement Plug	"
19-323	9/20/10	9/20/2010	44	75	19		1135626	301471	CAMPBELL	1	719	0	Cement Plug	"
19-326	9/21/10	9/21/2010	44	75	19		1135730	301335	CAMPBELL	1	620	0	Cement Plug	"
19-327	09/24/10	9/24/2010	44	75	19		1135778	301268	CAMPBELL	1	617	0	Cement Plug	"
19-328	9/21/10	9/21/2010	44	75	19		1135823	301312	CAMPBELL	1	619	0	Cement Plug	"
19-329	9/22/10	9/22/2010	44	75	19		1135829	301223	CAMPBELL	1	619	0	Cement Plug	"
19-331	09/30/10	9/30/2010	44	75	19		1135960	301279	CAMPBELL	1	719	0	Cement Plug	"
19-332	09/30/10	9/30/2010	44	75	19		1135977	301131	CAMPBELL	1	738	0	Cement Plug	"
19-333	09/29/10	9/29/2010	44	75	19		1135873	301086	CAMPBELL	1	736	0	Cement Plug	"
19-334	10/01/10	10/1/2010	44	75	19		1135928	301031	CAMPBELL	1	739	0	Cement Plug	"
19-335	10/04/10	10/4/2010	44	75	19		1135878	300931	CAMPBELL	1	739	0	Cement Plug	"
19-336	10/06/10	10/6/2010	44	75	19		1135978	300931	CAMPBELL	1	740	0	Cement Plug	"
19-337	10/13/10	10/13/2010	44	75	19		1135980	300832	CAMPBELL	1	738	0	Cement Plug	"
19-338	10/05/10	10/5/2010	44	75	19		1135881	300832	CAMPBELL	1	739	0	Cement Plug	"
19-339	11/4/10	11/4/2010	44	75	19		1135882	300733	CAMPBELL	1	742	0	Cement Plug	"
19-340	10/13/10	10/13/2010	44	75	19		1135982	300733	CAMPBELL	1	659	0	Cement Plug	"
19-341	11/01/10	11/1/2010	44	75	19		1135981	300632	CAMPBELL	1	661	0	Cement Plug	"
19-342	11/2/10	11/2/2010	44	75	19		1135976	300534	CAMPBELL	1	685	0	Cement Plug	"
19-343	11/3/10	11/3/2010	44	75	19		1135887	300334	CAMPBELL	1	686	0	Cement Plug	"
19-344	11/5/10	11/5/2010	44	75	19		1135889	300236	CAMPBELL	1	680	0	Cement Plug	"
19-345	2/10/11	2/10/2011	44	75	19		1135947	299082	CAMPBELL	1	661	0	Cement Plug	"
19-349	11/19/10	11/19/2010	44	75	19		1135888	300137	CAMPBELL	1	667	0	Cement Plug	"
19-361	12/16/10	12/16/2010	44	75	19		1135892	299732	CAMPBELL	1	649	0	Cement Plug	"
19-367	1/20/11	1/20/2011	44	75	19		1135894	299331	CAMPBELL	1	643	0	Cement Plug	"
19-370	1/14/11	1/14/2011	44	75	19		1135694	299229	CAMPBELL	1	641	0	Cement Plug	"
19-371	1/21/11	1/21/2011	44	75	19		1135795	299230	CAMPBELL	1	627	0	Cement Plug	"
19-374	1/17/11	1/17/2011	44	75	19		1135745	299083	CAMPBELL	1	646	0	Cement Plug	"
19-393	11/16/10	11/16/2010	44	75	19		1135788	300235	CAMPBELL	1	687	0	Cement Plug	"
19-394	11/23/10	11/23/2010	44	75	19		1135882	300224	CAMPBELL	1	687	0	Cement Plug	"
19-396	2/10/11	2/10/2011	44	75	19		1135648	299078	CAMPBELL	1	640	0	Cement Plug	"
19-402	2/10/11	2/10/2011	44	75	19		1135592	299329	CAMPBELL	1	640	0	Cement Plug	"
19-404	2/17/11	2/17/2011	44	75	19		1135897	299033	CAMPBELL	1	659	0	Cement Plug	"
19-410	2/17/11	2/17/2011	44	75	19		1135897	299132	CAMPBELL	1	639	0	Cement Plug	"
24-1282	2/11/2011	2/11/2011	44	76	24		1135693	298880	CAMPBELL	1	660	0	Cement Plug	"
24-1283	2/9/2011	2/9/2011	44	76	24		1135799	298879	CAMPBELL	1	660	0	Cement Plug	"
24-1284	2/11/2011	2/11/2011	44	76	24		1135854	298578	CAMPBELL	1	682	0	Cement Plug	"
24-1287	2/28/2011	2/28/2011	44	76	24		1135848	298933	CAMPBELL	1	660	0	Cement Plug	"
24-1292	2/24/2011	2/24/2011	44	76	24		1135747	298728	CAMPBELL	1	679	0	Cement Plug	"
13-469	1/26/11	1/26/2011	44	76	13		1135997	298883	CAMPBELL	1	634	0	Cement Plug	"
13-471	1/27/11	1/27/2011	44	76	13		1136197	298882	CAMPBELL	1	662	0	Cement Plug	"
13-472	2/4/11	2/4/2011	44	76	13		1136350	298684	CAMPBELL	1	680	0	Cement Plug	"
13-473	2/3/11	2/3/2011	44	76	13		1136149	298683	CAMPBELL	1	679	0	Cement Plug	"
13-474	2/4/11	2/4/2011	44	76	13		1136049	298683	CAMPBELL	1	679	0	Cement Plug	"
13-475	2/14/11	2/14/2011	44	76	13		1136452	298583	CAMPBELL	1	679	0	Cement Plug	"
13-483	2/7/11	2/7/2011	44	76	13		1136350	298684	CAMPBELL	1	682	0	Cement Plug	"
13-485	2/21/11	3/21/2011	44	76	13		1136148	298832	CAMPBELL	1	680	0	Cement Plug	"
13-488	2/17/11	2/17/2011	44	76	13		1136102	298732	CAMPBELL	1	686	0	Cement Plug	"
13-489	2/18/11	2/18/2011	44	76	13		1136202	298729	CAMPBELL	1	684	0	Cement Plug	"
13-493	2/23/11	2/23/2011	44	76	13		1135997	298530	CAMPBELL	1	685	0	Cement Plug	"
13-496	2/16/11	2/16/2011	44	76	13		1136300	298531	CAMPBELL	1	682	0	Cement Plug	"
13-499	2/15/11	2/15/2011	44	76	13		1136300	298435	CAMPBELL	1	672	0	Cement Plug	"
13-501	3/22/11	3/22/2011	44	76	13		1136101	298433	CAMPBELL	1	691	0	Cement Plug	"
13-502	3/22/11	3/22/2011	44	76	13		1135998	298435	CAMPBELL	1	683	0	Cement Plug	"
13-510	5/02/11	5/2/2011	44	76	13		1136006	298222	CAMPBELL	1	698	0	Cement Plug	"
13-511	3/23/11	3/23/2011	44	76	13		1136003	298133	CAMPBELL	1	720	0	Cement Plug	"
13-512	3/10/11	3/10/2011	44	76	13		1136456	297986	CAMPBELL	1	1049	0	Cement Plug	"
13-514	3/23/11	3/23/2011	44	76	13		1136455	297786	CAMPBELL	1	739	0	Cement Plug	"
13-515	3/23/11	3/23/2011	44	76	13		1136456	297684	CAMPBELL	1	751	0	Cement Plug	"
13-516	3/23/11	3/23/2011	44	76	13		1136453	297585	CAMPBELL	1	763	0	Cement Plug	"
13-517	3/22/11	3/22/2011	44	76	13		1136663	297489	CAMPBELL	1	760	0	Cement Plug	"
13-518	3/23/11	3/23/2011	44	76	13		1136659	297587	CAMPBELL	1	771	0	Cement Plug	"
13-519	3/23/11	3/23/2011	44	76	13		1136655	297688	CAMPBELL	1	765	0	Cement Plug	"
13-521	3/16/11	3/16/2011	44	76	13		1136656	297889	CAMPBELL	1	740	0	Cement Plug	"
13-522	3/14/11	3/14/2011	44	76	13		1136656	297989	CAMPBELL	1	739	0	Cement Plug	"
13-523	3/15/11	3/15/2011	44	76	13		1136656	298089	CAMPBELL	1	741	0	Cement Plug	"
13-524	3/8/11	3/8/2011	44	76	13		1136855	298089	CAMPBELL	1	753	0	Cement Plug	"
13-528	3/23/11	3/23/2011	44	76	13		1136856	297690	CAMPBELL	1	761	0	Cement Plug	"
13-529	3/22/11	3/22/2011	44	76	13		1137058	297709	CAMPBELL	1	740	0	Cement Plug	"
13-531	3/9/11	3/9/2011	44	76	13		1137058	297892	CAMPBELL	1	732	0	Cement Plug	"
13-532	3/8/11	3/8/2011	44	76	13		1137057	297992	CAMPBELL	1	750	0	Cement Plug	"
13-533	3/3/11	3/3/2011	44	76	13		1137259	297993	CAMPBELL	1	751	0	Cement Plug	"
13-534	3/2/11	3/2/2011	44	76	13		1137257	297892	CAMPBELL	1	734	0	Cement Plug	"
13-536	3/14/11	3/14/2011	44	76	13		1137258	297693	CAMPBELL	1	1074	0	Cement Plug	"
13-538	3/21/11	3/21/2011	44	76	13		1137259	297493	CAMPBELL	1	760	0	Cement Plug	"
13-539	3/21/11	3/21/2011	44	76	13		1137456	297587	CAMPBELL	1	759	0	Cement Plug	"
13-540	3/3/11	3/3/2011	44	76	13		1137457	297694	CAMPBELL	1	761	0	Cement Plug	"
13-541	3/2/11	3/2/2011	44	76	13		1137457	297794	CAMPBELL	1	742	0	Cement Plug	"
13-542	3/24/11	3/24/2011	44	76	13		1137457	297895	CAMPBELL	1	741	0	Cement Plug	"
13-545	2/22/11	2/22/2011	44	76	13		1136148	298832	CAMPBELL	1	989	0	Cement Plug	"
13-546	3/21/11	3/21/2011	44	76	13		1135996	298799	CAMPBELL	1	690	0	Cement Plug	"
13-547	3/21/11	3/21/2011	44	76	13		1136401	298535	CAMPBELL	1	680	0	Cement Plug	"
13-548	3/22/11	3/22/2011	44	76	13		1136553	298482	CAMPBELL	1	696	0	Cement Plug	"
13-549	3/15/11	3/15/2011	44	76	13		1137208	297942	CAMPBELL	1	739	0	Cement Plug	"
13-550	3/15/11	3/15/2011	44	76	13		1137207	297843	CAMPBELL	1	752	0	Cement Plug	"
13-551	3/16/11	3/16/2011	44	76	13		1137207	297742	CAMPBELL	1	738	0	Cement Plug	"
13-552	3/16/11	3/16/2011	44	76	13		1137307	297742	CAMPBELL	1	741	0	Cement Plug	"
13-553	3/16/11	3/16/2011	44	76	13		1137307	297842	CAMPBELL	1	743	0	Cement Plug	"
13-554	3/17/11	3/17/2011	44	76	13		1137307	297942	CAMPBELL	1	738	0	Cement Plug	"
13-555	3/16/11	3/16/2011	44	76	13		1137406	297844	CAMPBELL	1	739	0	Cement Plug	"
13-556	3/17/11	3/17/2011	44	76	13		1137406	297744	CAMPBELL	1	727	0	Cement Plug	"
13-557	3/17/11	3/17/2011	44	76	13		1137406	297644	CAMPBELL	1	773	0	Cement Plug	"
13-558	3/21/11	3/17/2011	44	76	13		1137509	297644	CAMPBELL	1	773	0	Cement Plug	"
13-559	3/17/11	3/17/2011	44	76	13		1137507	297744	CAMPBELL	1	739	0	Cement Plug	"
13-560	3/15/11	3/15/2011	44	76	13		1137507	297844	CAMPBELL	1	740	0	Cement Plug	"
13-561	3/17/11	3/17/2011	44	76	13		1137608	297746	CAMPBELL	1	759	0	Cement Plug	"
13-562	3/18/11	3/18/2011	44	76	13		1137608	297646	CAMPBELL	1	759	0	Cement Plug	"
13-563	3/21/11	3/21/2011	44	76	13		1137608	297544	CAMPBELL	1	758	0	Cement Plug	"

TABLE 1
PLUGGED ABANDONED DRILL SITE REPORT

Hole No.	Date Drilled	Date Aban-doned	Location nearest 40-acre subdivision TWN N	RNG W	SECT	QQ	State Plane Northing, ft	State Plane Easting, ft	County	Land Status**	Total Depth Drilled	artesian flow gpm	how surface capped	abandonment procedures remarks
13-564	3/18/11	3/18/2011	44	76	13		1137707	297544	CAMPBELL	1	763	0	Cement Plug	"
13-565	3/18/11	3/18/2011	44	76	13		1137708	297646	CAMPBELL	1	760	0	Cement Plug	"
13-566	3/15/11	3/15/2011	44	76	13		1137709	297746	CAMPBELL	1	764	0	Cement Plug	"
13-567	3/14/11	3/14/2011	44	76	13		1137658	297796	CAMPBELL	1	761	0	Cement Plug	"
13-568	04/01/11	3/30/2011	44	76	13		1137657	297493	CAMPBELL	1	773	0	Cement Plug	"
13-569	3/24/11	3/24/2011	44	76	13		1137708	297844	CAMPBELL	1	769	0	Cement Plug	"
13-570	3/24/11	3/24/2011	44	76	13		1137608	297843	CAMPBELL	1	766	0	Cement Plug	"
13-573	3/24/11	3/24/2011	44	76	13		1137209	298043	CAMPBELL	1	733	0	Cement Plug	"
13-574	3/25/11	3/25/2011	44	76	13		1137107	297942	CAMPBELL	1	755	0	Cement Plug	"
13-575	3/25/11	3/25/2011	44	76	13		1137006	297942	CAMPBELL	1	743	0	Cement Plug	"
13-576	3/24/11	3/24/2011	44	76	13		1136906	297838	CAMPBELL	1	741	0	Cement Plug	"
13-577	3/25/11	3/25/2011	44	76	13		1136806	297838	CAMPBELL	1	741	0	Cement Plug	"
13-578	3/24/11	3/24/2011	44	76	13		1136706	297839	CAMPBELL	1	742	0	Cement Plug	"
13-579	3/28/11	3/28/2011	44	76	13		1136706	297939	CAMPBELL	1	739	0	Cement Plug	"
13-580	3/29/11	3/29/2011	44	76	13		1136704	298037	CAMPBELL	1	745	0	Cement Plug	"
13-581	3/28/11	3/28/2011	44	76	13		1136706	298139	CAMPBELL	1	739	0	Cement Plug	"
13-582	03/30/11	3/30/2011	44	76	13		1136610	298152	CAMPBELL	1	740	0	Cement Plug	"
13-583	3/29/11	3/29/2011	44	76	13		1136607	298039	CAMPBELL	1	750	0	Cement Plug	"
13-584	3/29/11	3/29/2011	44	76	13		1136608	297939	CAMPBELL	1	742	0	Cement Plug	"
13-585	03/29/11	3/29/2011	44	76	13		1136606	297841	CAMPBELL	1	739	0	Cement Plug	"
13-586	03/30/11	3/30/2011	44	76	13		1136506	297835	CAMPBELL	1	743	0	Cement Plug	"
13-587	03/29/11	3/29/2011	44	76	13		1136507	297937	CAMPBELL	1	736	0	Cement Plug	"
13-588	03/29/11	3/29/2011	44	76	13		1136507	298036	CAMPBELL	1	748	0	Cement Plug	"
13-589	03/30/11	3/30/2011	44	76	13		1136407	297935	CAMPBELL	1	740	0	Cement Plug	"
13-590	03/29/11	3/29/2011	44	76	13		1136410	297850	CAMPBELL	1	738	0	Cement Plug	"
13-591	04/04/2011	4/4/2011	44	76	13		1136654	298190	CAMPBELL	1	740	0	Cement Plug	"
13-592	04/01/2011	4/1/2011	44	76	13		1136706	298239	CAMPBELL	1	739	0	Cement Plug	"
13-593	4/5/11	4/5/2011	44	76	13		1137007	297742	CAMPBELL	1	740	0	Cement Plug	"
13-595	4/6/11	4/6/2011	44	76	13		1137404	297945	CAMPBELL	1	740	0	Cement Plug	"
13-596	04/04/2011	4/4/2011	44	76	13		1137507	297946	CAMPBELL	1	743	0	Cement Plug	"
13-597	04/01/2011	4/1/2011	44	76	13		1137557	297896	CAMPBELL	1	749	0	Cement Plug	"
13-598	4/11/11	4/11/2011	44	76	13		1137658	297895	CAMPBELL	1	761	0	Cement Plug	"
13-599	4/7/11	4/7/2011	44	76	13		1137858	297896	CAMPBELL	1	763	0	Cement Plug	"
13-600	4/7/11	4/7/2011	44	76	13		1137855	297796	CAMPBELL	1	760	0	Cement Plug	"
13-601	4/6/11	4/6/2011	44	76	13		1137855	297698	CAMPBELL	1	760	0	Cement Plug	"
13-602	4/12/11	4/12/2011	44	76	13		1137855	297489	CAMPBELL	1	801	0	Cement Plug	"
13-603	4/11/11	4/7/2011	44	76	13		1137857	297396	CAMPBELL	1	801	0	Cement Plug	"
13-604	4/7/11	4/7/2011	44	76	13		1137855	297297	CAMPBELL	1	800	0	Cement Plug	"
13-605	4/20/11	4/20/2011	44	76	13		1138060	297500	CAMPBELL	1	0	0	Cement Plug	"
13-606	4/11/11	4/11/2011	44	76	13		1138060	297409	CAMPBELL	1	841	0	Cement Plug	"
13-607	4/7/11	4/7/2011	44	76	13		1138063	297301	CAMPBELL	1	839	0	Cement Plug	"
13-608	4/11/11	4/11/2011	44	76	13		1138061	297200	CAMPBELL	1	841	0	Cement Plug	"
13-609	4/11/11	4/11/2011	44	76	13		1138061	297100	CAMPBELL	1	841	0	Cement Plug	"
13-610	4/25/11	4/25/2011	44	76	13		1138061	297001	CAMPBELL	1	842	0	Cement Plug	"
13-611	4/12/11	4/12/2011	44	76	13		1138262	296999	CAMPBELL	1	860	0	Cement Plug	"
13-612	4/20/11	4/20/2011	44	76	13		1138260	297098	CAMPBELL	1	1161	0	Cement Plug	"
13-613	4/12/11	4/12/2011	44	76	13		1138261	297200	CAMPBELL	1	840	0	Cement Plug	"
13-614	4/25/11	4/25/2011	44	76	13		1138262	297295	CAMPBELL	1	842	0	Cement Plug	"
13-615	4/25/11	4/25/2011	44	76	13		1136901	297742	CAMPBELL	1	763	0	Cement Plug	"
13-616	4/25/11	4/25/2011	44	76	13		1136797	297730	CAMPBELL	1	763	0	Cement Plug	"
13-617	4/20/11	4/20/2011	44	76	13		1136506	297734	CAMPBELL	1	740	0	Cement Plug	"
13-618	4/20/11	4/20/2011	44	76	13		1136507	297634	CAMPBELL	1	739	0	Cement Plug	"
13-619	4/25/11	4/25/2011	44	76	13		1136506	297534	CAMPBELL	1	763	0	Cement Plug	"
13-620	4/25/11	4/25/2011	44	76	13		1136406	297535	CAMPBELL	1	761	0	Cement Plug	"
13-621	4/26/11	4/26/2011	44	76	13		1136406	297663	CAMPBELL	1	743	0	Cement Plug	"
13-622	4/26/11	4/26/2011	44	76	13		1136408	297732	CAMPBELL	1	748	0	Cement Plug	"
13-623	4/26/11	4/26/2011	44	76	13		1136053	298083	CAMPBELL	1	761	0	Cement Plug	"
13-624	4/26/11	4/26/2011	44	76	13		1136053	298182	CAMPBELL	1	764	0	Cement Plug	"
13-625	6/27/2011	6/27/2011	44	76	13		1136607	297741	CAMPBELL	1	767	0	Cement Plug	"
13-626	6/22/2011	8/1/2011	44	76	13		1136706	297739	CAMPBELL	1	760	0	Cement Plug	"
13-627	6/8/11	6/8/2011	44	76	13		1137002	397839	CAMPBELL	1	739	0	Cement Plug	"
13-629	6/7/11	6/7/2011	44	76	13		1136756	298288	CAMPBELL	1	742	0	Cement Plug	"
13-630	6/8/11	6/8/2011	44	76	13		1136648	298280	CAMPBELL	1	738	0	Cement Plug	"
13-631	6/1/11	6/1/2011	44	76	13		1137406	298045	CAMPBELL	1	742	0	Cement Plug	"
13-632	6/1/11	6/1/2011	44	76	13		1137458	297996	CAMPBELL	1	742	0	Cement Plug	"
13-633	6/2/11	6/2/2011	44	76	13		1137557	297994	CAMPBELL	1	742	0	Cement Plug	"
13-634	6/2/11	6/2/2011	44	76	13		1137807	297850	CAMPBELL	1	762	0	Cement Plug	"
13-635	6/3/11	6/3/2011	44	76	13		1137908	297849	CAMPBELL	1	762	0	Cement Plug	"
13-636	6/2/11	6/2/2011	44	76	13		1137908	297748	CAMPBELL	1	759	0	Cement Plug	"
13-637	6/3/11	6/3/2011	44	76	13		1137808	297749	CAMPBELL	1	764	0	Cement Plug	"
13-638	6/2/11	6/2/2011	44	76	13		1137807	297648	CAMPBELL	1	761	0	Cement Plug	"
13-639	6/2/11	6/2/2011	44	76	13		1137909	297649	CAMPBELL	1	762	0	Cement Plug	"
13-640	6/3/11	6/3/2011	44	76	13		1137858	297598	CAMPBELL	1	762	0	Cement Plug	"
13-641	6/3/11	6/3/2011	44	76	13		1137812	297550	CAMPBELL	1	782	0	Cement Plug	"
13-642	6/8/11	6/8/2011	44	76	13		1137806	297445	CAMPBELL	1	801	0	Cement Plug	"
13-643	6/3/11	6/3/2011	44	76	13		1137707	297445	CAMPBELL	1	783	0	Cement Plug	"
13-644	6/3/11	6/3/2011	44	76	13		1137608	297446	CAMPBELL	1	784	0	Cement Plug	"
13-646	6/6/11	6/6/2011	44	76	13		1137809	297348	CAMPBELL	1	801	0	Cement Plug	"
13-647	6/6/11	6/6/2011	44	76	13		1137813	297249	CAMPBELL	1	803	0	Cement Plug	"
13-648	6/6/11	6/6/2011	44	76	13		1137911	297248	CAMPBELL	1	801	0	Cement Plug	"
13-649	6/7/11	6/6/2011	44	76	13		1137911	297348	CAMPBELL	1	791	0	Cement Plug	"
13-650	6/8/11	6/8/2011	44	76	13		1138018	297352	CAMPBELL	1	842	0	Cement Plug	"
13-651	6/7/11	6/7/2011	44	76	13		1138012	297251	CAMPBELL	1	843	0	Cement Plug	"
13-652	6/7/11	6/7/2011	44	76	13		1138015	297151	CAMPBELL	1	837	0	Cement Plug	"
13-653	6/7/11	6/7/2011	44	76	13		1138007	297050	CAMPBELL	1	842	0	Cement Plug	"
13-654	6/7/11	6/7/2011	44	76	13		1138114	297049	CAMPBELL	1	843	0	Cement Plug	"
13-655	6/13/11	6/13/2011	44	76	13		1138113	297150	CAMPBELL	1	842	0	Cement Plug	"
13-656	6/8/11	6/8/2011	44	76	13		1138115	297250	CAMPBELL	1	842	0	Cement Plug	"
13-657	6/13/11	6/13/2011	44	76	13		1138114	297351	CAMPBELL	1	842	0	Cement Plug	"
13-658	6/14/2011	6/14/2011	44	76	13		1138464	297253	CAMPBELL	1	860	0	Cement Plug	"
13-659	6/13/11	6/13/2011	44	76	13		1138464	297153	CAMPBELL	1	858	0	Cement Plug	"
13-660	6/8/11	6/8/2011	44	76	13		1138465	297054	CAMPBELL	1	861	0	Cement Plug	"
13-661	6/2/11	6/2/2011	44	76	13		1138061	297500	CAMPBELL	1	842	0	Cement Plug	"
13-662	6/14/11	6/14/2011	44	76	13		1137913	297147	CAMPBELL	1	822	0	Cement Plug	"
13-663	6/14/11	6/14/2011	44	76	13		1138013	296948	CAMPBELL	1	862	0	Cement Plug	"
13-664	6/13/11	6/13/2011	44	76	13		1137913	297047	CAMPBELL	1	841	0	Cement Plug	"
13-665	6/13/11	6/13/2011	44	76	13		1137812	297149	CAMPBELL	1	798	0	Cement Plug	"

TABLE 1
PLUGGED ABANDONED DRILL SITE REPORT

Hole No.	Date Drilled	Date Aban-doned	Location nearest 40-acre subdivision				State Plane Northing, ft	State Plane Easting, ft	County	Land Status**	Total Depth Drilled	artestian flow gpm	how surface capped	abandonment procedures remarks
			TWN N	RNG W	SECT	QQ								
13-666	6/23/2011	7/8/2011	44	76	13		1137707	297343	CAMPBELL	1	800	0	Cement Plug	"
13-667	6/14/11	6/14/2011	44	76	13		1137706	297242	CAMPBELL	1	802	0	Cement Plug	"
13-668	6/14/11	6/14/2011	44	76	13		1137707	297141	CAMPBELL	1	778	0	Cement Plug	"
13-670	6/15/11	6/15/2011	44	76	13		1137206	297442	CAMPBELL	1	782	0	Cement Plug	"
13-671	6/15/11	6/14/2011	44	76	13		1137207	297344	CAMPBELL	1	781	0	Cement Plug	"
13-672	7/1/2011	7/1/2011	44	76	13		1136002	298032	CAMPBELL	1	764	0	Cement Plug	"
13-673	6/30/2011	6/30/2011	44	76	13		1136052	297982	CAMPBELL	1	764	0	Cement Plug	"
13-674	7/1/2011	7/1/2011	44	76	13		1136102	298032	CAMPBELL	1	761	0	Cement Plug	"
13-675	6/23/2011	7/8/2011	44	76	13		1136912	297539	CAMPBELL	1	760	0	Cement Plug	"
13-676	6/24/2011	7/8/2011	44	76	13		1136862	297489	CAMPBELL	1	760	0	Cement Plug	"
13-677	6/27/11	6/27/2011	44	76	13		1136912	297439	CAMPBELL	1	780	0	Cement Plug	"
13-678	6/24/2011	7/8/2011	44	76	13		1136912	297339	CAMPBELL	1	780	0	Cement Plug	"
13-679	6/27/2011	6/27/2011	44	76	13		1137012	297239	CAMPBELL	1	786	0	Cement Plug	"
13-680	6/24/2011	7/8/2011	44	76	13		1137012	297339	CAMPBELL	1	780	0	Cement Plug	"
13-681	6/24/2011	7/8/2011	44	76	13		1137012	297439	CAMPBELL	1	780	0	Cement Plug	"
13-682	6/24/2011	7/8/2011	44	76	13		1137012	297539	CAMPBELL	1	760	0	Cement Plug	"
13-683	6/23/2011	7/8/2011	44	76	13		1137062	297489	CAMPBELL	1	780	0	Cement Plug	"
13-684	6/23/2011	7/8/2011	44	76	13		1137062	297389	CAMPBELL	1	780	0	Cement Plug	"
13-685	6/27/2011	6/27/2011	44	76	13		1137059	297286	CAMPBELL	1	785	0	Cement Plug	"
13-686	6/27/2011	6/27/2011	44	76	13		1137111	297233	CAMPBELL	1	806	0	Cement Plug	"
13-687	6/28/2011	7/8/2011	44	76	13		1137112	297339	CAMPBELL	1	780	0	Cement Plug	"
13-688	6/29/2011	8/2/2011	44	76	13		1137112	297439	CAMPBELL	1	780	0	Cement Plug	"
13-689	6/30/2011	6/30/2011	44	76	13		1137111	297539	CAMPBELL	1	767	0	Cement Plug	"
13-690	6/28/2011	6/28/2011	44	76	13		1137206	297241	CAMPBELL	1	804	0	Cement Plug	"
13-691	6/30/2011	6/30/2011	44	76	13		1137258	297297	CAMPBELL	1	802	0	Cement Plug	"
13-692	6/28/2011	6/28/2011	44	76	13		1137258	297395	CAMPBELL	1	782	0	Cement Plug	"
13-693	6/29/2011	7/8/2011	44	76	13		1137308	297443	CAMPBELL	1	780	0	Cement Plug	"
13-694	6/29/2011	7/8/2011	44	76	13		1137308	297343	CAMPBELL	1	780	0	Cement Plug	"
13-695	7/5/2011	7/5/2011	44	76	13		1137306	297243	CAMPBELL	1	797	0	Cement Plug	"
13-696	6/23/2011	7/8/2011	44	76	13		1137863	297200	CAMPBELL	1	800	0	Cement Plug	"
13-697	6/22/11	6/22/2011	44	76	13		1138114	296950	CAMPBELL	1	872	0	Cement Plug	"
13-698	6/17/2011	7/7/11	44	76	13		1138214	296952	CAMPBELL	1	860	0	Cement Plug	"
13-699	6/22/2011	7/27/2011	44	76	13		1138214	297052	CAMPBELL	1	860	0	Cement Plug	"
13-700	6/17/2011	7/7/11	44	76	13		1138214	297152	CAMPBELL	1	840	0	Cement Plug	"
13-701	6/15/11	6/15/2011	44	76	13		1138214	297250	CAMPBELL	1	841	0	Cement Plug	"
13-702	6/30/2011	6/30/2011	44	76	13		1136217	297353	CAMPBELL	1	846	0	Cement Plug	"
13-703	7/7/2011	7/7/2011	44	76	13		1138313	297352	CAMPBELL	1	841	0	Cement Plug	"
13-704	6/16/2011	7/7/11	44	76	13		1138314	297252	CAMPBELL	1	840	0	Cement Plug	"
13-705	6/16/2011	7/7/11	44	76	13		1138314	297152	CAMPBELL	1	860	0	Cement Plug	"
13-706	6/17/2011	7/7/11	44	76	13		1138314	297052	CAMPBELL	1	860	0	Cement Plug	"
13-707	6/16/2011	6/15/2011	44	76	13		1138314	296952	CAMPBELL	1	860	0	Cement Plug	"
13-708c	6/28/2011	7/18/2011	44	76	13		1136653	298094	CAMPBELL	1	720	0	Cement Plug	"
13-709	6/16/2011	7/7/11	44	76	13		1138314	296952	CAMPBELL	1	860	0	Cement Plug	"
13-710	6/29/11	6/29/2011	44	76	13		1138464	297253	CAMPBELL	1	860	0	Cement Plug	"
13-711	7/5/2011	7/5/2011	44	76	13		1138202	297367	CAMPBELL	1	837	0	Cement Plug	"
13-712	7/6/2011	7/6/2011	44	76	13		1136890	297447	CAMPBELL	1	785	0	Cement Plug	"
13-713	7/7/2011	7/7/2011	44	76	13		1136915	297241	CAMPBELL	1	783	0	Cement Plug	"
13-714	7/7/2011	7/7/2011	44	76	13		1137012	297140	CAMPBELL	1	776	0	Cement Plug	"
13-715	7/13/2011	7/13/2011	44	76	13		1137114	297141	CAMPBELL	1	817	0	Cement Plug	"
13-716	7/11/2011	7/8/2011	44	76	13		1137114	297041	CAMPBELL	1	820	0	Cement Plug	"
13-717	7/12/2011	7/12/2011	44	76	13		1137113	297042	CAMPBELL	1	816	0	Cement Plug	"
13-718	7/8/2011	7/8/2011	44	76	13		1137214	297141	CAMPBELL	1	817	0	Cement Plug	"
13-719	7/8/2011	7/8/2011	44	76	13		1137314	297141	CAMPBELL	1	838	0	Cement Plug	"
13-720	7/11/2011	7/11/2011	44	76	13		1137212	297041	CAMPBELL	1	840	0	Cement Plug	"
13-721	7/8/2011	7/8/2011	44	76	13		1137262	296997	CAMPBELL	1	843	0	Cement Plug	"
13-722	7/11/2011	7/11/2011	44	76	13		1137262	297097	CAMPBELL	1	842	0	Cement Plug	"
13-723	7/11/2011	7/11/2011	44	76	13		1137314	297143	CAMPBELL	1	837	0	Cement Plug	"
13-724	7/11/2011	7/11/2011	44	76	13		1137312	297040	CAMPBELL	1	841	0	Cement Plug	"
13-725	7/13/2011	7/13/2011	44	76	13		1137412	297041	CAMPBELL	1	839	0	Cement Plug	"
13-726	7/13/2011	7/13/2011	44	76	13		1137064	297091	CAMPBELL	1	840	0	Cement Plug	"
13-727	7/19/2011	7/19/2011	44	76	13		1137416	297232	CAMPBELL	1	840	0	Cement Plug	"
13-728	7/12/2011	7/12/2011	44	76	13		1137413	297341	CAMPBELL	1	840	0	Cement Plug	"
13-729	7/13/2011	7/13/2011	44	76	13		1137415	297441	CAMPBELL	1	822	0	Cement Plug	"
13-730	7/13/2011	7/13/2011	44	76	13		1137461	297395	CAMPBELL	1	819	0	Cement Plug	"
13-731	7/12/2011	7/12/2011	44	76	13		1137466	297298	CAMPBELL	1	815	0	Cement Plug	"
13-732	7/13/2011	7/13/2011	44	76	13		1137463	297196	CAMPBELL	1	820	0	Cement Plug	"
13-733	7/18/2011	7/18/2011	44	76	13		1137459	297097	CAMPBELL	1	837	0	Cement Plug	"
13-734	7/18/2011	7/18/2011	44	76	13		1137463	296996	CAMPBELL	1	841	0	Cement Plug	"
13-735	7/14/2011	7/14/2011	44	76	13		1137663	296896	CAMPBELL	1	863	0	Cement Plug	"
13-736	7/13/2011	7/13/2011	44	76	13		1137663	296996	CAMPBELL	1	863	0	Cement Plug	"
13-737	7/14/2011	7/14/2011	44	76	13		1137663	297096	CAMPBELL	1	841	0	Cement Plug	"
13-738	7/14/2011	7/14/2011	44	76	13		1137664	297196	CAMPBELL	1	840	0	Cement Plug	"
13-739	7/15/2011	7/15/2011	44	76	13		1137664	297295	CAMPBELL	1	821	0	Cement Plug	"
13-740	7/14/2011	7/14/2011	44	76	13		1137664	297402	CAMPBELL	1	801	0	Cement Plug	"
13-741	7/15/2011	7/15/2011	44	76	13		1137865	296999	CAMPBELL	1	841	0	Cement Plug	"
13-742	7/15/2011	7/15/2011	44	76	13		1137866	296900	CAMPBELL	1	843	0	Cement Plug	"
13-743	7/18/2011	7/18/2011	44	76	13		1137864	296801	CAMPBELL	1	860	0	Cement Plug	"
13-744	7/19/2011	7/19/2011	44	76	13		1138065	296898	CAMPBELL	1	842	0	Cement Plug	"
13-745	7/18/2011	7/18/2011	44	76	13		1138165	296999	CAMPBELL	1	862	0	Cement Plug	"
13-746	7/14/2011	7/14/2011	44	76	13		1137049	296996	CAMPBELL	1	816	0	Cement Plug	"
13-747	7/14/2011	7/14/2011	44	76	13		1137463	297196	CAMPBELL	1	820	0	Cement Plug	"
13-748	7/15/2011	7/15/2011	44	76	13		1137395	297146	CAMPBELL	1	844	0	Cement Plug	"
13-749	7/15/2011	7/15/2011	44	76	13		1137457	297198	CAMPBELL	1	822	0	Cement Plug	"
13-750	7/21/2011	7/21/2011	44	76	13		1137265	296893	CAMPBELL	1	833	0	Cement Plug	"
13-753	7/21/2011	7/21/2011	44	76	13		1137066	296893	CAMPBELL	1	838	0	Cement Plug	"
13-759	7/21/2011	7/21/2011	44	76	13		1136868	296992	CAMPBELL	1	820	0	Cement Plug	"
13-762	7/22/2011	7/22/2011	44	76	13		1136664	296792	CAMPBELL	1	799	0	Cement Plug	"
13-763	7/22/2011	7/22/2011	44	76	13		1136665	296891	CAMPBELL	1	784	0	Cement Plug	"
13-764	7/22/2011	7/22/2011	44	76	13		1136667	296992	CAMPBELL	1	761	0	Cement Plug	"
13-765	7/21/2011	7/21/2011	44	76	13		1136665	297095	CAMPBELL	1	764	0	Cement Plug	"
13-766	7/21/2011	7/21/2011	44	76	13		1136666	297193	CAMPBELL	1	761	0	Cement Plug	"
18-161	10/15/10	10/15/2010	44	75	18		1136184	300635	CAMPBELL	1	660	0	Cement Plug	"
18-173	11/3/10	11/3/2010	44	75	18		1136085	300438	CAMPBELL	1	683	0	Cement Plug	"
18-187	1/17/11	1/17/2011	44	75	18		1135992	300136	CAMPBELL	1	659	0	Cement Plug	"
18-190	12/2/10	12/2/2010	44	75	18		1136288	300136	CAMPBELL	1	660	0	Cement Plug	"
18-203	12/9/10	12/9/2010	44	75	18		1135986	300035	CAMPBELL	1	616	0	Cement Plug	"
18-207	12/9/10	12/9/2010	44	75	18		1136285	299933	CAMPBELL	1	666	0	Cement Plug	"

TABLE 1
PLUGGED ABANDONED DRILL SITE REPORT

Hole No.	Date Drilled	Date Aban-doned	Location nearest 40-acre subdivision				State Plane Northing, ft	State Plane Easting, ft	County	Land Status**	Total Depth Drilled	artesian flow gpm	how surface capped	abandonment procedures remarks
			TWN N	RNG W	SECT	QQ								
18-209	1/20/11	1/20/2011	44	75	18		1136485	299934	CAMPBELL	1	665	0	Cement Plug	"
18-212	1/7/11	1/7/2011	44	75	18		1136789	299939	CAMPBELL	1	667	0	Cement Plug	"
18-214	1/6/11	1/6/2011	44	75	18		1136688	299830	CAMPBELL	1	663	0	Cement Plug	"
18-215	1/7/11	1/7/2011	44	75	18		1136590	299836	CAMPBELL	1	661	0	Cement Plug	"
18-218	12/15/10	12/15/2010	44	75	18		1136290	299836	CAMPBELL	1	641	0	Cement Plug	"
18-219	12/16/10	12/16/2010	44	75	18		1136188	299832	CAMPBELL	1	661	0	Cement Plug	"
18-220	12/17/10	12/17/2010	44	75	18		1136088	299832	CAMPBELL	1	664	0	Cement Plug	"
18-222	12/16/10	12/16/2010	44	75	18		1135991	299734	CAMPBELL	1	665	0	Cement Plug	"
18-223	12/17/10	12/17/2010	44	75	18		1136091	299734	CAMPBELL	1	669	0	Cement Plug	"
18-224	12/17/10	12/17/2010	44	75	18		1136192	299734	CAMPBELL	1	666	0	Cement Plug	"
18-225	1/6/11	1/6/2011	44	75	18		1136291	299733	CAMPBELL	1	667	0	Cement Plug	"
18-226	1/4/11	1/4/2011	44	75	18		1136390	299736	CAMPBELL	1	661	0	Cement Plug	"
18-228	1/6/11	1/6/2011	44	75	18		1136590	299735	CAMPBELL	1	665	0	Cement Plug	"
18-229	1/5/11	1/5/2011	44	75	18		1136690	299737	CAMPBELL	1	670	0	Cement Plug	"
18-233	12/17/10	12/17/2010	44	75	18		1136092	299631	CAMPBELL	1	669	0	Cement Plug	"
18-242	1/26/11	1/26/2011	44	75	18		1136095	299231	CAMPBELL	1	659	0	Cement Plug	"
18-244	1/26/11	1/26/2011	44	75	18		1136097	299132	CAMPBELL	1	640	0	Cement Plug	"
18-245	1/24/11	1/24/2011	44	75	18		1136196	299134	CAMPBELL	1	662	0	Cement Plug	"
18-246	2/4/11	2/4/2011	44	75	18		1136245	299083	CAMPBELL	1	662	0	Cement Plug	"
18-247	1/27/11	1/27/2011	44	75	18		1136145	299083	CAMPBELL	1	664	0	Cement Plug	"
18-248	1/25/11	1/24/2011	44	75	18		1136196	299033	CAMPBELL	1	654	0	Cement Plug	"
18-252	4/6/11	4/6/2011	44	75	18		1136073	301583	CAMPBELL	1	722	0	Cement Plug	"
18-253	4/6/11	4/6/2011	44	75	18		1136173	301583	CAMPBELL	1	722	0	Cement Plug	"
18-254	4/5/11	4/5/2011	44	75	18		1136224	301485	CAMPBELL	1	722	0	Cement Plug	"
18-261	2/10/11	2/10/2011	44	75	18		1136043	299080	CAMPBELL	1	661	0	Cement Plug	"
18-264	2/18/11	2/18/2011	44	75	18		1135999	299131	CAMPBELL	1	657	0	Cement Plug	"
18-265	2/22/11	2/22/2011	44	75	18		1136197	299235	CAMPBELL	1	659	0	Cement Plug	"
18-267	7/6/2011	7/6/2011	44	75	18		1136273	301581	CAMPBELL	1	723	0	Cement Plug	"
18-268	7/6/2011	7/6/2011	44	75	18		1136322	301483	CAMPBELL	1	720	0	Cement Plug	"
19-316	2/14/11	2/14/2011	44	75	19		1135805	299334	CAMPBELL	1	636	0	Cement Plug	"
19-346	12/16/10	12/16/2010	44	75	19		1135691	300234	CAMPBELL	1	667	0	Cement Plug	"
19-348	12/9/10	12/9/2010	44	75	19		1135788	300136	CAMPBELL	1	540	0	Cement Plug	"
19-350	12/9/10	12/9/2010	44	75	19		1135887	300035	CAMPBELL	1	667	0	Cement Plug	"
19-363	1/14/11	1/14/2011	44	75	19		1135691	299631	CAMPBELL	1	645	0	Cement Plug	"
19-364	1/14/11	1/14/2011	44	75	19		1135692	299532	CAMPBELL	1	629	0	Cement Plug	"
19-365	1/13/11	1/13/2011	44	75	19		1135792	299531	CAMPBELL	1	648	0	Cement Plug	"
19-368	1/14/11	1/14/2011	44	75	19		1135797	299331	CAMPBELL	1	641	0	Cement Plug	"
19-369	1/17/11	1/17/2011	44	75	19		1135595	299230	CAMPBELL	1	645	0	Cement Plug	"
19-372	2/3/11	2/3/2011	44	75	19		1135894	299230	CAMPBELL	1	642	0	Cement Plug	"
19-373	2/28/11	2/28/2011	44	75	19		1135846	299084	CAMPBELL	1	649	0	Cement Plug	"
19-375	4/5/11	4/5/2011	44	75	19		1134873	302025	CAMPBELL	1	921	0	Cement Plug	"
19-376	3/30/11	3/30/2011	44	75	19		1134871	301874	CAMPBELL	1	580	0	Cement Plug	"
19-377	03/30/11	3/30/2011	44	75	19		1134972	301823	CAMPBELL	1	589	0	Cement Plug	"
19-378	4/5/11	4/5/2011	44	75	19		1134974	301924	CAMPBELL	1	580	0	Cement Plug	"
19-383	03/30/11	3/30/2011	44	75	19		1135223	301377	CAMPBELL	1	580	0	Cement Plug	"
19-388	4/6/11	4/6/2011	44	75	19		1135674	301480	CAMPBELL	1	718	0	Cement Plug	"
19-390	04/01/2011	4/1/2011	44	75	19		1135878	301232	CAMPBELL	1	719	0	Cement Plug	"
19-391	04/04/2011	4/4/2011	44	75	19		1135928	301231	CAMPBELL	1	724	0	Cement Plug	"
19-392	04/01/2011	4/1/2011	44	75	19		1135977	301081	CAMPBELL	1	983	0	Cement Plug	"
19-395	12/15/10	12/15/2010	44	75	19		1135788	300136	CAMPBELL	1	667	0	Cement Plug	"
19-397	2/7/11	2/7/2011	44	75	19		1135547	299079	CAMPBELL	1	641	0	Cement Plug	"
19-399	2/11/11	2/11/2011	44	75	19		1135394	299227	CAMPBELL	1	900	0	Cement Plug	"
19-401	2/7/11	2/7/2011	44	75	19		1135494	299328	CAMPBELL	1	646	0	Cement Plug	"
19-403	2/4/11	2/4/2011	44	75	19		1135695	299327	CAMPBELL	1	643	0	Cement Plug	"
19-405	2/17/11	2/17/2011	44	75	19		1135797	299033	CAMPBELL	1	638	0	Cement Plug	"
19-406	2/17/11	2/17/2011	44	75	19		1135697	299028	CAMPBELL	1	639	0	Cement Plug	"
19-407	2/28/11	2/28/2011	44	75	19		1135596	299029	CAMPBELL	1	637	0	Cement Plug	"
19-408	2/24/11	2/24/2011	44	75	19		1135444	299077	CAMPBELL	1	651	0	Cement Plug	"
19-409	2/15/11	2/15/2011	44	75	19		1135796	299132	CAMPBELL	1	639	0	Cement Plug	"
19-412	2/14/11	2/14/2011	44	75	19		1135592	299337	CAMPBELL	1	631	0	Cement Plug	"
19-413	3/25/11	3/25/2011	44	75	19		1135793	299430	CAMPBELL	1	644	0	Cement Plug	"
19-414	03/28/11	3/28/2011	44	75	19		1135589	299430	CAMPBELL	1	620	0	Cement Plug	"
19-416	03/28/11	3/28/2011	44	75	19		1135697	299128	CAMPBELL	1	650	0	Cement Plug	"
19-417	5/16/11	5/16/2011	44	75	19		1135486	300329	CAMPBELL	1	741	0	Cement Plug	"
19-418	5/17/2011	5/16/2011	44	75	19		1135585	300329	CAMPBELL	1	660	0	Cement Plug	"
19-419	5/6/11	5/6/2011	44	75	19		1135685	300320	CAMPBELL	1	683	0	Cement Plug	"
19-420	5/5/11	5/5/2011	44	75	19		1135884	300436	CAMPBELL	1	683	0	Cement Plug	"
19-421	5/5/11	5/5/2011	44	75	19		1135785	300431	CAMPBELL	1	685	0	Cement Plug	"
19-422	5/6/11	5/6/2011	44	75	19		1135684	300430	CAMPBELL	1	687	0	Cement Plug	"
19-423	5/9/11	5/9/2011	44	75	19		1135584	300431	CAMPBELL	1	663	0	Cement Plug	"
19-424	5/16/11	5/16/2011	44	75	19		1135484	300429	CAMPBELL	1	743	0	Cement Plug	"
19-425	5/6/11	5/6/2011	44	75	19		1135383	300430	CAMPBELL	1	748	0	Cement Plug	"
19-426	5/9/11	5/9/2011	44	75	19		1135385	300528	CAMPBELL	1	742	0	Cement Plug	"
19-427	5/6/11	5/6/2011	44	75	19		1135485	300530	CAMPBELL	1	741	0	Cement Plug	"
19-428	5/9/11	5/9/2011	44	75	19		1135585	300529	CAMPBELL	1	740	0	Cement Plug	"
19-429	5/5/11	5/5/2011	44	75	19		1135683	300526	CAMPBELL	1	748	0	Cement Plug	"
19-430	5/6/11	5/6/2011	44	75	19		1135783	300531	CAMPBELL	1	743	0	Cement Plug	"
19-431	5/9/11	5/9/2011	44	75	19		1135881	300630	CAMPBELL	1	743	0	Cement Plug	"
19-432	5/5/11	5/2/2011	44	75	19		1135780	300630	CAMPBELL	1	740	0	Cement Plug	"
19-433	5/9/11	5/9/2011	44	75	19		1135581	300629	CAMPBELL	1	742	0	Cement Plug	"
19-434	05/05/11	5/5/2011	44	75	19		1135682	300729	CAMPBELL	1	743	0	Cement Plug	"
19-435	5/2/11	5/2/2011	44	75	19		1135781	300729	CAMPBELL	1	749	0	Cement Plug	"
19-436	4/26/11	4/26/2011	44	75	19		1135782	300829	CAMPBELL	1	751	0	Cement Plug	"
19-437	5/16/11	5/16/2011	44	75	19		1135582	300829	CAMPBELL	1	741	0	Cement Plug	"
19-438	6/1/11	6/1/2011	44	75	19		1135482	300828	CAMPBELL	1	742	0	Cement Plug	"
19-439	5/16/11	5/16/2011	44	75	19		1135681	300926	CAMPBELL	1	743	0	Cement Plug	"
19-440	5/17/11	5/17/2011	44	75	19		1134868	302074	CAMPBELL	1	582	0	Cement Plug	"
19-441	6/1/11	6/1/2011	44	76	19		1135022	301872	CAMPBELL	1	582	0	Cement Plug	"
19-442	5/17/11	5/17/2011	44	75	19		1135023	301773	CAMPBELL	1	581	0	Cement Plug	"
19-443	6/1/11	6/1/2011	44	75	19		1134872	301773	CAMPBELL	1	584	0	Cement Plug	"
19-444	5/17/2011	5/17/2011	44	75	19		1135175	301428	CAMPBELL	1	602	0	Cement Plug	"
19-445	5/17/11	5/17/2011	44	75	19		1135272	301427	CAMPBELL	1	602	0	Cement Plug	"
19-446	6/2/11	6/2/2011	44	75	19		1135585	300329	CAMPBELL	1	660	0	Cement Plug	"
19-447	7/6/2011	7/6/2011	44	75	19		1134819	302122	CAMPBELL	1	584	0	Cement Plug	"
19-448	7/7/2011	7/7/2011	44	75	19		1134870	302121	CAMPBELL	1	585	0	Cement Plug	"
19-450	7/7/2011	7/7/2011	44	75	19		1134955	302057	CAMPBELL	1	579	0	Cement Plug	"
19-451	7/5/2011	7/5/2011	44	75	19		1134972	301726	CAMPBELL	1	580	0	Cement Plug	"

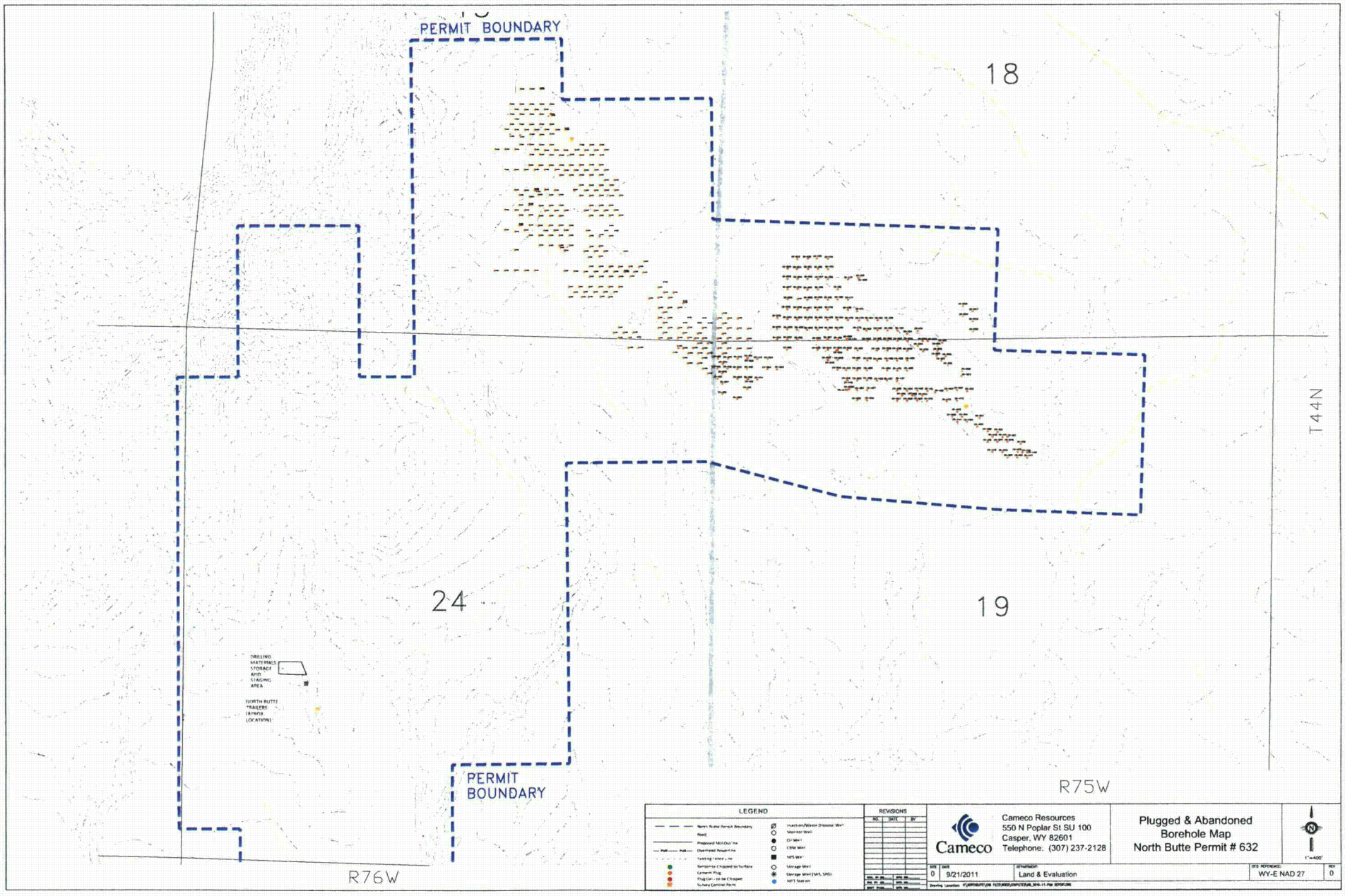
TABLE 1
PLUGGED ABANDONED DRILL SITE REPORT

Hole No.	Date Drilled	Date Abandoned	Location nearest 40-acre subdivision: TWN N	RNG W	SECT	QQ	State Plane Northing, ft	State Plane Easting, ft	County	Land Status**	Total Depth Drilled	artesian flow gpm	how surface capped	abandonment procedures remarks
19-452	7/5/2011	7/5/2011	44	75	19		1135078	301728	CAMPBELL	1	580	0	Cement Plug	"
19-453	7/6/2011	7/6/2011	44	75	19		1135123	301625	CAMPBELL	1	600	0	Cement Plug	"
19-454	7/5/2011	7/5/2011	44	75	19		1135173	301523	CAMPBELL	1	600	0	Cement Plug	"
19-455	7/7/2011	7/7/2011	44	75	19		1135782	300930	CAMPBELL	1	739	0	Cement Plug	"
19-456	7/5/2011	7/5/2011	44	75	19		1135681	300829	CAMPBELL	1	745	0	Cement Plug	"
19-457	7/1/2011	7/1/2011	44	75	19		1135582	300729	CAMPBELL	1	742	0	Cement Plug	"
19-458c	6/22/2011	8/1/2011	44	75	19		1135497	300350	CAMPBELL	1	720	0	Cement Plug	"
19-459	7/20/2011	7/20/2011	44	75	19		1135481	300927	CAMPBELL	1	718	0	Cement Plug	"
19-460	7/19/2011	7/19/2011	44	75	19		1135481	301029	CAMPBELL	1	682	0	Cement Plug	"
19-461	7/20/2011	7/20/2011	44	75	19		1135480	301130	CAMPBELL	1	684	0	Cement Plug	"
19-462	7/20/2011	7/20/2011	44	75	19		1135463	301207	CAMPBELL	1	679	0	Cement Plug	"
19-463	7/21/2011	7/21/2011	44	75	19		1135481	301328	CAMPBELL	1	678	0	Cement Plug	"
19-464	7/19/2011	7/19/2011	44	75	19		1135432	301078	CAMPBELL	1	680	0	Cement Plug	"
19-465	7/19/2011	7/19/2011	44	75	19		1135431	300978	CAMPBELL	1	683	0	Cement Plug	"
19-466	7/19/2011	7/19/2011	44	75	19		1135432	300878	CAMPBELL	1	676	0	Cement Plug	"
19-467	7/18/2011	7/18/2011	44	75	19		1135380	300829	CAMPBELL	1	723	0	Cement Plug	"
19-468	7/19/2011	7/19/2011	44	75	19		1135381	300928	CAMPBELL	1	679	0	Cement Plug	"
19-469	7/20/2011	7/20/2011	44	75	19		1135381	301028	CAMPBELL	1	686	0	Cement Plug	"
19-470	7/19/2011	7/19/2011	44	75	19		1135379	301127	CAMPBELL	1	719	0	Cement Plug	"
19-472	7/20/2011	7/20/2011	44	75	19		1135374	301325	CAMPBELL	1	720	0	Cement Plug	"
19-473	7/20/2011	7/20/2011	44	75	19		1135381	301427	CAMPBELL	1	724	0	Cement Plug	"
24-1281	2/3/2011	2/3/2011	44	76	24		1135897	298883	CAMPBELL	1	661	0	Cement Plug	"
24-1286	2/24/2011	2/24/2011	44	76	24		1135645	298928	CAMPBELL	1	638	0	Cement Plug	"
24-1288	2/22/2011	2/22/2011	44	76	24		1135949	298931	CAMPBELL	1	659	0	Cement Plug	"
24-1289	2/23/2011	2/23/2011	44	76	24		1135946	298832	CAMPBELL	1	659	0	Cement Plug	"
24-1290	2/23/2011	2/23/2011	44	76	24		1135849	298833	CAMPBELL	1	662	0	Cement Plug	"
24-1291	2/28/2011	2/28/2011	44	76	24		1135747	298932	CAMPBELL	1	683	0	Cement Plug	"
24-1293	2/23/2011	2/23/2011	44	76	24		1135849	298731	CAMPBELL	1	690	0	Cement Plug	"
24-1294	2/23/2011	2/23/2011	44	76	24		1135902	298633	CAMPBELL	1	679	0	Cement Plug	"
24-1297	3/25/2011	3/25/2011	44	76	24		1135903	298232	CAMPBELL	1	700	0	Cement Plug	"
24-1298	3/24/2011	3/24/2011	44	76	24		1135902	298132	CAMPBELL	1	722	0	Cement Plug	"
24-1299	3/21/2011	3/18/2011	44	76	24		1135901	298782	CAMPBELL	1	674	0	Cement Plug	"
24-1300	3/18/2011	3/18/2011	44	76	24		1135899	298682	CAMPBELL	1	680	0	Cement Plug	"
24-1301	3/22/2011	3/22/2011	44	76	24		1135800	298682	CAMPBELL	1	686	0	Cement Plug	"
24-1302c	6/30/2011	7/7/11	44	76	24		1134368	296706	CAMPBELL	1	700	0	Cement Plug	"
25-364c	7/1/2011	7/7/11	44	76	25		1130140	295805	CAMPBELL	1	400	0	Cement Plug	"
509											368,933			

All coordinates are in State Plane
Light blue = Release boreholes as of 3/31/2011
** 1 = Private; 2 = State; 3 = Federal

Initial: E.K. Date: 9/21/2011

List current through: **9/1/11**


PERMIT BOUNDARY
18
T44N
24
19
DRILLING MATERIALS STORAGE AND STAGING AREA
NORTH BUTTE TRAILERS (APPROX LOCATION)
PERMIT BOUNDARY
R76W
R75W
LEGEND
REVISIONS
NO. DATE BY
Cameco
Cameco Resources
550 N Poplar St SU 100
Casper, WY 82601
Telephone: (307) 237-2128
Plugged & Abandoned
Borehole Map
North Butte Permit # 632
SIZE 0
DATE 9/21/2011
DEPARTMENT Land & Evaluation
DFS REFERENCE WY-E NAD 27
REV 0
1"=400'