

ATTACHMENT D5-3

**Communication with WDEQ LQD
related to Drill Hole Abandonment**

Texasgulf Minerals and Metals, Inc.

MICROFILMED

OCT 27 '87

P.O. Box 191 2755 State Highway 67 Victor, Colorado 80860

**Cripple Creek
and Victor Operations**
(303) 689-2977

September 16, 1987

Richard G. Stockdale
State Engineer's Office
Herschler Building
Cheyenne, WY 82002

Re: Permit Nos. U.W. 61528
through U.W. 61539

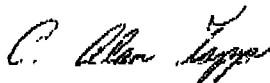
Dear Mr. Stockdale:

In response to your letter regarding the above referenced monitor wells, these specific wells were abandoned by Texasgulf in 1985. These wells were installed to monitor ground water quality on mining claims under Texasgulf's control. The claims were subsequently dropped by the company. As part of the procedure, the monitor wells were abandoned.

Enclosed is specific data on how each monitor well was abandoned. In each case, as much of the casing pipe as possible was pulled and the hole filled with concrete.

If you have further questions, please contact us.

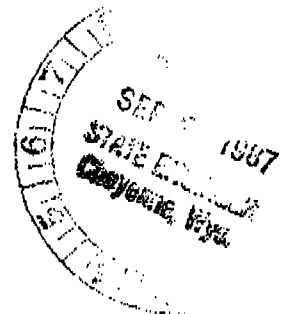
Sincerely,



C. Alan Tapp
Manager
Cripple Creek Operations

CAT/kl

xc: Gonzalo Tufino
William Strait
Files (2)



Texasgulf memo

Date August 22, 1983

To D. C. Edmiston Location Golden

From C. Alan Tapp Location Golden

Subject Lost Creek/Conoco - 1983 Program Summary

In a letter to Wyoming's DEG, November 24, 1982, Texasgulf outlined in detail its 1983 program for the Lost Creek/Conoco property. The program as outlined to Mr. Roy Spears presented a remedial plan, which once completed would rescind a Notice of Violation issued to Texasgulf on May 20, 1982. The program was initiated as outlined in June, 1983 and completed in late July, 1983. Approximately seventy-five percent of Texasgulf's Lost Creek/Conoco property was inventoried, the remainder will be completed in 1984.

Appendix B details Texasgulf's 1983 plan as presented to the DEQ. Basically, it involved inspecting down the hole conditions for every Texasgulf drill hole to determine the adequacy of past sealing efforts. Water levels and mud column depths were measured and recorded. Concrete caps were placed on all Texasgulf holes which were not originally capped with concrete or if the original concrete cap had failed. Appendix C listed the detailed results of the survey while Appendix D lists a section by section summary. Plate I indicates those sections inventoried this year and those scheduled for inventory in 1984.

In summary, 31 square miles of land were physically inspected this summer. This represents 269 individual drill holes in the survey. Approximately fifty-one percent of the holes inspected, ^{of} 138 holes, were previously capped with concrete caps. In almost all cases these were tested to determine how secure they were in the drill hole and not removed. An attempt was made to remove several concrete caps, but in every case the cap was well secured. Two concrete caps had failed and slipped down the drill hole and were recapped.

D. C. Edmiston
 August 22, 1983

Approximately forty-one percent of the holes, or 111 holes, were recapped with new concrete caps. The old caps were usually permaplugs and in a few cases the old octoplug. These were either removed or breeched, when possible, so that water levels and mud columns could be measured. The old caps were left in the drill hole at a depth of five feet and a new concrete cap was installed at approximately two feet below the surface and backfilled to the surface.

After completing this survey, it was determined that nine drill holes and one from Texasgulf's 1982 inventory required resealing. One drill hole in Section 20, as determined from our October, 1982 inventory, was also inadequately sealed. Appendix E lists those holes resealed. All ten drill holes were resealed in late July using a mixture of water, Shur-gel, and Quick-gel. They were then recapped with concrete caps and backfilled to the surface. Mud specifications exceeded those required by the Wyoming DEQ. A sample of abandonment fluid submitted to NL Industries for testing yielded the following characteristics:

	<u>Actual</u>	<u>Requirement</u>
API filtrate	4.8 cc	13.5 cc
10 Min. Gel Strength	42 lbs./100 ft. ²	20 lbs./100 ft. ²

This same type of program will be conducted in 1984 on the remaining Lost Creek/Conoco property. Approximately ten square miles will be covered, containing around 500 drill holes. The 1984 program will be more time consuming since all drill holes will have to be recapped with concrete caps and the extensive number of holes left to be inventoried.

CAT/dd

cc: 03-002-006-04
 C. Alan Tapp

APPENDICES

Wyoming, Department of Environmental Quality Notice of Violation	Appendix A
Proposed Remedial Plan, November 24, 1982	Appendix B
Drill Hole Inspection Summary, 1983	Appendix C
Drill Hole Inventory by Section	Appendix D
Summary of Sealed Drill Holes	Appendix E

APPENDIX A

Wyoming Department of Environmental Quality

Notice of Violation

May 20, 1982



THE STATE OF WYOMING

RECEIVED 03-002-006-04

MAY 24 1982

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Tg Proj. Eval Dept.
Cheyenne, WY 82002

LAND QUALITY DIVISION

*Copies sent to Frank
Erisman and Lynn
Graham 5-26-82
CHEYENNE, WYOMING 82002*

401 WEST 19TH STREET

TELEPHONE 307-777-7756

May 20, 1982

CERTIFIED MAIL RETURN RECEIPT REQUESTED
Certified No. 73824

Mr. David C. Edmiston
Vice - President, Special Projects
Texasgulf, Incorporated
5926 McIntyre Street
Golden, Colorado 80401

RE: Notice of Violation, Docket # 1085 - 82, Drilling Notification #47

Dear Mr. Edmiston:

Enclosed you will find an inspection report dated May 10, 1982, recommending a Notice of Violation and the Notice of Violation.

We expect Texasgulf, Inc. to respond to this Notice of Violation by June 18, 1982, by providing a detailed plan for correcting surface capping and sealing problems found during the May 7 - 10, 1982, inspection. A projected timetable should also be provided for completion of remedial work necessary to bring all sites drilled by Texasgulf in Township 24 North, Range 92 West, Township 25 North, Range 92 West, and Township 25 North, Range 93 West, in compliance with Wyoming Statute 35-11-404.

It is hoped this course of action will avoid a recommendation for enforcement action, which would be made after June 18, 1982, depending upon your response.

Should questions arise, please call me at (307) 777-7756.

Sincerely,

Roy G. Spears
Abandoned Drill Site
Program Supervisor

RGS:mk

Enclosures: Notice of Violation
Inspection Report

cc: Alan Guile

NOTICE OF VIOLATION

IN THE MATTER OF THE NOTICE)
OF VIOLATION ISSUED TO MR.)
DAVID C. EDMISTON, VICE-)
PRESIDENT, SPECIAL PROJECT)
TEXASGULF INC., 5926 McINTYRE)
STREET, GOLDEN, CO 80401)
Certified No. 73824, DN #47

DOCKET NO. 1085-82

NOTICE

NOTICE IS HEREBY GIVEN THAT:

1. This notice is being sent to you pursuant to Wyoming Statute 35-11-701(c)(i), which requires that in any case of the failure to correct or remedy an alleged violation, the Director of the Department of Environmental Quality shall cause written notice to be issued and served upon the person alleged to be responsible;
2. On May 7 and 10, 1982, an inspection was conducted by a representative of the Land Quality Division, Department of Environmental Quality. Drill sites inspected were located in T.24N., R.92W., T.25N., R.92W., and T.25N., R.93W.;
3. Said inspection revealed that Drill Holes Numbered TC17, TG 19 18 25 92, TG 21 18 25 92 and 27 other holes identified in the report of said inspection, were not sealed as required by Wyoming Statute 35-11-404(c)(ii). Wyoming Statute 35-11-404(c)(ii) requires that drill holes which have encountered any ground-water shall be sealed;
4. Said inspection also revealed that Drill Holes Numbered TC 17, TG 19 18 25 92, TG 21 18 25 92 and 41 other holes identified in the report, were not properly surface capped. This is in violation of Wyoming Statute 35-11-404(c)(iii).
5. With this document, the Department of Environmental Quality is notifying Mr. David C. Edmiston of Texasgulf Inc. of the aforementioned violations.
6. Any person who violates any provision of the Environmental Quality Act or any rule, standard, permit, license or variance adopted thereunder is liable to a penalty of ten thousand dollars (\$10,000) for each day of violations, which penalty may be recovered in a civil action brought by the Attorney General in the name of the People of the State of Wyoming.

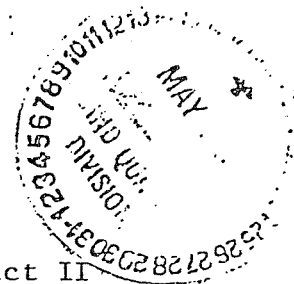
DATED this 20th day of May, 1982.

Roger Shaffer for
Walter C. Ackerman, Administrator
Land Quality Division
Department of Environmental Quality

PLEASE DIRECT ALL INQUIRIES REGARDING THIS NOTICE OF VIOLATION TO Roy Spears, Abandoned Drill Site Program Supervisor, Department of Environmental Quality, Land Quality Division, 401 West 19th Street, Cheyenne, WY 82002, Telephone (307) 777-6192, OR Alan Guile, Abandoned Drill Site Inspector, 210 Lincoln St., Lander, WY 82520, Telephone (307) 332-3047.

INSPECTION REPORT

RE : Texasgulf, Inc. Drilling Notification No. 47
DATE OF TRIP: May 7 and 10, 1982
SUBJECT : Inspection of DN47
PARTICIPANTS: C. Alan Tapp - Texasgulf
Alan Guile - Lander DEQ-LQD *AG*
PREPARED BY : Alan Guile, Abandoned Drill Site Inspector, District II



On May 7 and 10, 1982, an inspection of the above was conducted.

Of the 94 holes reported in 1979, 16 holes or 17% were inspected. Of the 148 holes reported in 1980, 26 holes or 18% were inspected. Surface reclamation was adequate at all sites and therefore is not reported in the summary.

Summary of results - 1979

TC 18 NWNE, Section 34, T.25N., R.93W. TD 800 feet
No cap. Dry hole. Violation Wyoming Statute 35-11-404(c)(iii)

TC 17 NWNE, Section 34, T.25N., R.93W. TD 800 feet
No cap. Encountered water at -163 feet. No bottom at -295 feet. Violation of Wyoming Statute 35-11-404(c)(ii) and (iii).

TT 146 NWNE, Section 24, T.25N., R.93W. TD 700 feet
Perma-plug. Water at -192 feet with bridge or bottom at -215 feet. Violation of Wyoming Statute 404(c)(ii) and (iii)

TT 149 NWNE, Section 24, T.25N., R.93W. TD 700 feet
Perma-plug. Water at -191 feet with bridge or bottom at -247 feet. Violation of Wyoming Statute 404(c)(ii) and (iii).

TT 148 NWNE, Section 24, T.25N., R.93W. TD 560 feet
Perma-plug. Water at -196 feet with bridge or bottom at -201 feet. Violation of Wyoming Statute 404-(c)(iii).

TT 155 SENW, Section 19, T.25N., R.92W. TD 514 feet
Perma-plug. Water at -179 feet with bridge or bottom at -256 feet. Violation of 404(c)(ii) and (iii).

TT 151 SWNW, Section 19, T.25N., R.92W. TD 660 feet
Perma-plug. Water at -179 feet with no bottom at -300 feet. Violation of Wyoming Statute 404(c)(ii) and (iii).

TG 19 18 25 92 SESE, Section 18, T.25N., R.92W. TD 465 feet
Perma plug. Water at -155 feet with no bottom at -300 feet. Violation of Wyoming Statute 404(c)(ii) and (iii).

TG 13 18 25 92 SESE, Section 18, T.25N., R.92W. TD 500 feet
Perma-plug. Water at -154 feet with no bottom at -300 feet. Violation of Wyoming Statute 404(c)(ii) and (iii).

TG 47 20 25 92 NESW, Section 20, T.25N., R.92W. TD 460 feet
Perma-plug. Water at -124 feet with bridge or bottom at -156 feet. Violation of Wyoming Statute 404(c)(ii) and (iii).

Inspection Report
Texasgulf, Inc.
Drilling Notification No. 47
May 7 and 10, 1982
Page 3

TG 53 20 25 92 NWNW, Section 20, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -149 feet with bridge or bottom at -163 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 50 17 25 92 SWSW, Section 17, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -157 feet with bridge or bottom at -291 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 49 17 25 92 SWSW, Section 17, T.24N., R.92W. TD 580 feet
Perma-lug. Water at -151 feet with bridge or bottom at -165 feet. Violation
of Wyoming Statute 404(c)(iii).

TG 73 20 25 92 NWNW, Section 20, T.25N., R.92W. TD 580 feet.
Perma-plug. Water at -150 feet with bridge or bottom at -162 feet. Violation
of Wyoming Statute 404(c)(iii).

TG 38 17 25 92 SWSW, Section 17, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -150 feet with no bottom at -300 feet. Violation of
Wyoming Statute 404(c)(ii) and (iii).

TG 52 20 25 92 NWNW, Section 20, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -147 feet with bridge or bottom at -211. Violation of
Wyoming Statute 404(c)(ii) and (iii).

TG 59 20 25 92 NWNW, Section 20, T.25N., R.92W. TD 580 feet
Perma-plug. Perma-plug slid down hole. Violation of Wyoming Statute 404(c)(iii).

TG 60 20 25 92 NWNW, Section 20, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -137 feet with bridge or bottom at -190 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 61 20 25 92 NWNW, Section 20, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -147 feet with bridge or bottom at -238. Violation of
Wyoming Statute 404(c)(ii) and (iii).

TG 37 21 25 92 NWNE, Section 21, T.25N., R.92W. TD 500 feet
Unable to locate hole.

TG 41 21 25 92 NWNE, Section 21, T.25N., R.92W. TD 580 feet.
Perma-plug. Water at -119 feet with no bottom at -300 feet. Violation of
Wyoming Statute 404(c)(ii) and (iii).

TG 4 15 25 92 SESW, Section 15, T.25N., R.92W. TD 400 feet.
Perma-plug. Water at -104 feet with no bottom at -300 feet. Violation of
Wyoming Statute 404(c)(ii) and (iii).

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Inspection Report

Texasgulf, Inc.

Drilling Notification No. 47

May 7 and 10, 1982

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TG 5 15 25 92 SESW, Section 15, T.25N., R.92W. TD 400 feet
Perma-plug. Water at -91 feet with bridge or bottom at -238 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 3 22 25 92 NENW, Section 22, T.25N., R.92W. TD 580 feet
Perma-plug. Water at -99 feet with no bottom at -300 feet. Violation of
Wyoming Statute 404(c)(ii) and (iii).

TG 4 32 25 92 NENW, Section 32, T.25N., R.92W. TD 260 feet
Perma-plug. Water at -135 feet with bottom at -255 feet. Violation of Wyoming
Statute 404(c)(ii) and (iii).

TG 6 28 25 92 SWNW, Section 28, T.25N., R.92W. TD 340 feet
Perma-plug. Water at -81 feet with bridge or bottom at -170 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 7 28 25 92 SWNW, Section 28, T.25N., R.92W. TD 340 feet
Perma-plug. Water at -72 feet with bridge or bottom at -196 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 13 29 25 92 SESE, Section 29, T.25N., R.92W. TD 600 feet
Perma-plug. Water at -134 feet with bridge or bottom at -187 feet. Violation
of Wyoming Statute 404(c)(ii) and (iii).

TG 27 6 24 92 NENE, Section 6, T.24N., R.92W. TD 240 feet
Perma-plug. Water at -94 feet with bottom at -220 feet. Violation of Wyoming
Statute 404(c)(ii) and (iii).

TG 25 6 24 92 NENE, Section 6, T.24N., R.92W. TD 240 feet.
Perma-plug. Water at -125 feet with bottom at -223 feet. Violation of Wyoming
Statute 404(c)(ii) and (iii).

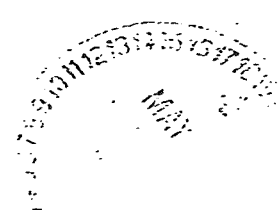
Conclusions

Of the 42 holes inspected 41 (98%) had capping violations. The other hole was
not located. Of the 35 holes in which down hole conditions were checked, 30
(86%) were in violation of sealing requirements.

It is recommended that a Notice of Violation be issued.

AG:tc

cc: -Roy Spears, Abandoned Drill Site Program Supervisor - Cheyenne DEQ-LQD
-C. Alan Tapp, Senior Geologist
Project Evaluation Department
Texasgulf Inc.
5926 McIntyre Street
Golden, CO 80401



APPENDIX B

Proposed Remedial Plan

November 24, 1982

Texasgulf Inc.

5926 McIntyre Street Golden, Colorado 80403 (303) 279-2636

Project Evaluation Department

November 24, 1982

Department of Environmental Quality
Land Quality Division
401 West 19th Street
Cheyenne, Wyoming 82002

Attention: Mr. Roy Spears

Dear Mr. Spears:

On October 14, 1982, Texasgulf initiated a field program to inventory abandoned drill holes in Section 20, Township 25 North, Range 93 West of Sweetwater County, Wyoming. The inventory consisted of vegetation surveys in and around the drill sites and measurements of water levels and mud column depths for each hole. Seventy-nine drill holes were inventoried during the process, which was completed on October 22, 1982. The data generated by the inventory and Texasgulf's interpretation are enclosed. Our interpretations indicate that all holes exhibit statistical adequacy for reclamation, all holes are capped, and all holes were sealed according to D.E.Q. regulations which were in effect at the time they were drilled.

Results of studies by Texasgulf and a hydrologic consultant support the fact that on the Lost Creek/ Conoco property the Battlesprings Formation is one aquifer. A potentiometric map can be constructed for Section 20. This map depicts a relatively uniform water table which fits well with local and regional data, regardless of mud levels in drill holes.

An independent hydrologic evaluation of Texasgulf's raw drill hole data plus other sources of data was made by Hydro-Search, Inc. and is enclosed. Their final interpretation is that the Battlesprings Formation is one aquifer. In light of the compiled facts it is difficult to make any other interpretation.

As a result of local physical conditions present in each bore hole after sealing, drilling mud levels are subject to change. One drill hole inspected in Section 20, Tg-35-20, did not meet Texasgulf's sealing standards. This hole will be resealed in conjunction with the 1983 program.

Department of Environmental Quality
November 24, 1982

Page 2

Texasgulf's Lost Creek/Conoco property consists of approximately forty sections of land. Since our inventory covered only one section of our property, we cannot be certain other areas will show identical results. We will inventory other holes on our property in 1983 and make necessary corrections to bring any substandard findings to our standards. We will initiate the program outlined below during May of 1983 to cover about half of our property, or twenty sections. In 1984 the remainder of the property will be inventoried in the same manner.

- (1) Beginning in May, 1983, Texasgulf will inspect about twenty sections in the Lost Creek/Conoco property in the same manner as performed in Section 20. The D.E.Q. will be provided the inventoried data.
- (2) Concrete caps will be installed in all inventoried holes in accordance with D.E.Q.'s recommendations.
- (3) During the inventory each drill site will be evaluated for reclamation success. Any found substandard will be reseeded in accordance to Wyoming Statute 35-11-404(c)(v).
- (4) Drill holes which we locate that do not meet drill holes abandonment standards will be identified and resealed at the end of the summer inspection program.

Sincerely,



C. Alan Tapp
Project Manager

CAT/dd

Enclosures

cc: D. C. Edmiston
Lynn Graham
03-002-006-04

APPENDIX C

Drill Hole Inspection Summary, 1983

	<u>No. Holes, Inspected¹</u>	<u>No. Dry Holes</u>	<u>No. Holes w/Concrete Caps</u>	<u>No. Holes Recapped</u>
Sec. 5, T24N, R92W	12	0	10	2
Sec. 6	32	9	7	25
Sec. 1, T24N, R93W	1	1	0	1
Sec. 2, T25N, R91W	2	1	0	1
Sec. 2, T25N, R92W	6	1	3	2
Sec. 3	15	0	12	3
Sec. 4	4	0	4	0
Sec. 5	5	1	4	1
Sec. 8	3	0	1	2
Sec. 10	1	0	0	1
Sec. 11	15	2	9	6
Sec. 14	7	0	0	7
Sec. 15	1	0	0	1
Sec. 28	23	1	13	8
Sec. 29	26	0	7	17
Sec. 30	2	0	2	0
Sec. 31	20	0	17	3
Sec. 32	22	0	14	8
Sec. 33	29	0	25	1
Sec. 36	8	0	8	3
Sec. 16, T26N, R91W	14	3	2	7
Sec. 21, T26N, R92W	9	1	0	5
Sec. 24, T26N, R92W	3	0	0	2
Sec. 25	3	0	0	3
Sec. 29	3	1	0	1
Sec. 36	<u>3</u>	<u>0</u>	<u>0</u>	<u>1</u>
Totals	269	21	138	111

¹ Some drill sites were inspected but the actual drill hole was not locatable. Not all holes inspected were Texasgulf's.

APPENDIX D

Drill Hole Inventory by Section

Hole ID	Location	Original Cap	Depth to		Recapped w/concrete
			Water	Mud	
<u>Sec. 5, T24N, R92W</u>					
Tg 5-5	Sec. 5-24W-92W	Concrete Did not remove			
Tg 2-5	Sec. 5-24W-92W	Concrete Did not remove			
Tg 3-5	Sec. 5-24N-92W	Concrete Did not remove			
Tg 4-5	Sec. 5-24N-92W	Concrete Did not remove			
Tg 6-5	Sec. 5-24W-92W	Concrete Did not remove			
Tg 11-5	Sec. 5-24N-92W	Concrete Did not remove			
Tg 1-5	Sec. 5-24N-92W	Perma-plug	185'	203'	Yes
Tg 9-5	Sec. 5-24N-92W	Concrete on surface but could not locate hole			
Tg 10-5	Sec. 5-24N-92W	Octoplug			Yes
Tg 12-5	Sec. 5-24N-92W	Concrete cap surface Did not remove			
Tg 8-5	Sec. 5-24N-92W	Concrete cap Did not remove			
Tg 7-5	Sec. 5-24N-92W	Concrete cap Did not remove			
<u>Sec. 6-T24W, R92W</u>					
Tg 9-32	Sec. 32-25N-92W	Concrete Did not remove			
Tg 8-32	Sec. 32-25N-92W	Octoplug	197'	238'	Yes
Tg hole approx. 200' due north of Tg 20-29. Someone has removed stake!		Concrete cap Did not remove			
Tg 27-6	Sec. 6-24N-92W	Perma-plug	115'	219'	Yes

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 36-6	Sec. 6-24N-92W	2 Octoplugs	Dry		Yes
Tg 6-6	Sec. 6-24N-92W	Perma-plug	185'	348'	Yes
Tg 35-6	Sec. 6-24N-92W	Concrete cap Did not remove			
Tg 17-6	Sec. 6-24N-92W	Perma-plug	Dry		Yes
Tg 16-6	Sec. 6-24N-92W		Dry		Yes
Tg 33-6	Sec. 6-24N-92W	Concrete cap @+3' Did not remove			
Tg 34-6	Sec. 6-24N-92W	Concrete was around collar of hole. How- ever, pushed bar down +5' and could not hit cement cap.			
Tg 15-6	Sec. 6-24N-92W	Perma-plug	Dry		Yes
Tg 14-6	Sec. 6-24N-92W	Perma-plug	180'	182'	Yes
Tg 13-6	Sec. 6-24N-92W	Perma-plug	Dry		Yes
Tg 11-6	Sec. 6-24N-92W	Perma-plug	181'	281'	Yes
Tg 12-6	Sec. 6-24N-92W	Perma-plug	219'	349'	Yes
Unmarked	Sec. 6-24N-92W		Dry		Yes
Tg 31-6	Sec. 6-24N-92W	Concrete Did not open			
Tg 30-6	Sec. 6-24N-92W	Concrete Did not open			
Unmarked, stake removed	East of Tg 30-6		Dry		Yes
Unmarked, stake removed	Sec. 6-24N-92W North of Tg 31-6	Concrete Did not open			
Unmarked, stake removed	Sec. 6-24N-92W northwest of hole above.	Perma-plug	Dry		Yes

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapp w/concr</u>
			<u>Water</u>	<u>Mud</u>	
<u>Sec. 6, T24N-R92W</u>					
Tg 25-6	Sec. 6-24N-92W	Perma-plug	125'	214'	Yes
Tg 20-6	Sec. 6-24N-92W	Perma-plug	122'	174'	Yes
Tg 8-6	Sec. 6-24N-92W	Perma-plug	199'	341'	Yes
Tg 7-6	Sec. 6-24N-92W	Perma-plug	228'?	355'	Yes
Tg 9-6	Sec. 6-24N-92W	Perma-plug	192'	212'	Yes
Tg 23-6	Sec. 6-24N-92W	Perma-plug	85'?	225'	Yes
Tg 24-6	Sec. 6-24N-92W	Perma-plug	?	113'	Yes
Tg 22-6	Sec. 6-24N-92W	Perma-plug	200'	209'	Yes
Tg 21-6	Sec. 6-24N-92W	Perma-plug	194'	232'	Yes
Tg 5-6	Sec. 6-24N-92W		Dry		Yes
<u>Sec. 1, T24N, R92W</u>					
Tg 1-1 This hole has not been re- claimed	Sec. 1-24N-92W	Perma-plug	Dry	Mud pit is still open	Yes
<u>Sec. 2, T24N, R92W</u>					
Open Hole - No ID. Probably an old Conoco hole. Due south of SW section corner Sec. 36 approx. 40'. Tried to recap but hole was too large.					
RD-464		Open	Dry		Yes
<u>Sec. 2, T25N-R92W</u>					
Tg 2-2	Sec. 2-25N-92W	Perma-plug	157'	307'	Yes
Tg 6-2	Sec. 2-25N-92W	Concrete Did not disturb			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 7-2	Sec. 2-25N-92W	Concrete to surface Did not disturb			
Tg 5-2	Sec. 2-25N-92W	Concrete Did not disturb			
Tg 4-2	Sec. 2-25N-92W		Dry		Yes
Tg 8-2	Sec. 2-25N-92W	Couldn't find hole			
		<u>Sec. 3, T25N, R92W</u>			
Tg 7-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 5-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 6-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 8-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 14-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 1-3	Sec. 3-25N-92W	Perma-plug Cap slipped and could not breach to measure water.			Yes
TG 13-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 12-3	Sec. 3-25N-92W	Concrete cap Did not remove			
Old unmarked hole north of Tg's E-W fence toward western end		Open			Yes
Tg 3-3	Sec. 3-25N-92W	Concrete cap Did not remove			
Tg 4-3	Sec. 3-25N-92W	Concrete Did not remove			
Tg 2-3	Sec. 3-25N-92W	Cannot locate drill hole. Marker knocked down.			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recap w/conc</u>
			<u>Water</u>	<u>Mud</u>	
Tg 11-3	Sec. 3-25N-92W	Concrete cap Could not get through it. It was badly broken.			Yes
Tg 10-3	Sec. 3-25N-92W	Concrete cap down approx. 3'. Could not remove it.			
Tg 9-3	Sec. 3-25N-92W	Concrete cap Did not remove it. Cap down +4'.			
<u>Sec. 4, T25N, R92W</u>					
Tg 1-4	Sec. 4-25N-92W	Concrete cap @ 3'. Did not remove.			
Tg 2-4	Sec. 4-25N-92W	Concrete cap @ approx. 3'. Did not remove.			
Tg 3-4	Sec. 4-25N-92W	Concrete tap @ approx. 3'. Did not remove.			
Tg 4-4	Sec. 4-25N-92W	Concrete cap @ approx. +4'. Did not remove.			
<u>Sec. 5, T25N, R92W</u>					
Tg 3-5	Sec. 5-25N-92W	Concrete cap Did not remove			
Unidentified hole between Tg 3-5 and Tg 2-5 Could not locate hole.					
Tg 2-5	Sec. 5-25N-92W	Concrete cap Did not remove. Cap @ approx. 3'			
Tg 1-5	Sec. 5-25N-92W	Concrete cap at surface. Removed and found 2' dirt on top of sage bush. Recapped.	Dry		Yes
Tg 13-5	Sec. 5-25N-92W	Concrete Did not remove			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recap w/conc</u>
			<u>Water</u>	<u>Mud</u>	
<u>Sec. 8, T25N, R92W</u>					
Tg 1-8	Sec. 8-25N-92W	Concrete cap to surface. Good cap did not remove.			
	Capped unidentified open hole near central part of Section 8.				Yes
	Unreclaimed, unidentified Conoco drill hole in SE $\frac{1}{4}$ of Section 9	Open but dry - Capped but did not fill.			Yes
<u>Sec. 10, T25N-R92W</u>					
	Conoco Hole in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10	Open Recapped			Yes
<u>Sec. 11, T25N, R92W</u>					
Tg 5-11	Sec. 11-25N-92W	Concrete cap Did not remove			
Tg 1-11	Sec. 11-25N-92W	Perma-plug	Water just on top of mud.	86'	Yes
Tg 9-11	Sec. 11-25N-92W	Concrete cap Did not remove			
Tg 6-11	Sec. 11-25N-92W	Concrete cap @ approx. 3'. Did not remove.			
Tg 7-11	Sec. 11-25N-92W	Concrete cap @ approx. 4'. Did not remove.			
Tg 10-11	Sec. 11-25N-92W	Concrete cap Did not remove			
Tg 2-11	Sec. 11-25N-92W	Perma-plug	123'	308'	Y
Tg 11-11	Sec. 11-25N-92W	Concrete cap Did not remove			
Tg 3-11	Sec. 11-25N-92W	Perma-plug	119'	213'	

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 8-11	Sec. 11-25N-92W	Concrete cap Did not remove			
Hole # 673	Sec. 11	Open hole	Dry		Yes
Hole #109	Sec. 11	Open hole	Dry		Yes
Tg 12-11	Sec. 11-25N-92W	Concrete cap @ approx. 3'. Did not remove.			
Tg 13-11	Sec. 11-25N-92W	Concrete cap just under surface. Did not remove.			
Tg 4-11	Sec. 11-25N-92W	Perma-plug	119'	244'	Yes
<u>Sec. 14, T25N, R92W</u>					
Tg 6-14	Sec. 14-25N-92W	Perma-plug	128'	333'	Yes
Tg 7-14	Sec. 14-25N-92W	Perma-plug	132'	354'	Yes
Tg 5-14	Sec. 14-25N-92W	Perma-plug	119'	340'	Yes
Tg 4-14	Sec. 14-25N-92W	Perma-plug	121'	354'	Yes
Tg 3-14	Sec. 14-25N-92W	Perma-plug	122'	353'	Yes
Tg 2-14	Sec. 14-25N-92W(?)	Perma-plug	137'	357'	Yes
Tg 2-14	Sec. 14-25N-92@(?) NNW approx. 400' from above hole 539200-760000	Perma-plug	125'	348'	Yes
<u>Sec. 15, T25NR92W</u>					
Old Conoco hole - NE $\frac{1}{4}$ Sec. 15		Open hole			Yes
<u>Sec. 28, T25N, 92W</u>					
Stake has been removed. Hole is NE of northern end of last fence more or less 400'.		Concrete cap Did not remove			
Stake has been removed. Hole is due east of above hole 200' more or less.		Concrete cap Did not remove			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg (?) Part of label is missing. Due north of above hole.	Sec. 28-25N-92W	Perma-plug	125'	131'	Yes
Tg 16-28	Sec. 28-25N-92W	Concrete Did not remove			
Tg 19-28	Sec. 28-25N-92W	Concrete Did not remove			
Label missing. Hole approx. 400' due south of Tg 19-28		Concrete Did not remove			
Tg 17-28	Sec. 28-25N-92W	Concrete Did not remove			
Tg 22-28	Sec. 28-25N-92W	Concrete Did not remove			
Tg 6-28	Sec. 28-25N-92W	Perma-plug	83'	164'	Yes
Tg 7-28	Sec. 28-25N-92W	Perma-plug	71'	171'	Yes
Unlabeled hole 200' more or less from east from Tg 7-28-25-92. Could not locate hole. Stake was knocked down.					
Label missing NE $\frac{1}{4}$	Sec. 28-25N-92W	Perma-plug	71'	233'	Yes
Tg 10-28	Sec. 28-25N-92W	Concrete Did not remove			
Tg 11-28	Sec. 28-25N-92W	Concrete cap Did not remove			
Tg 12-28	Sec. 28-25N-92W	Concrete Did not remove			
Tg 1-28	Sec. 28-25N-92W	Perma-plug	133'	311'	Yes
Label missing. Hole more or less 400' easterly from Tg 1-28.		Perma-plug	138'	173'	Yes
Label missing. Hole more or less 400' easterly from Tg 7-28		Perma-plug	138'	275'	Yes

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 15-28	Sec. 28-25N-92W	Concrete Did not remove			
Tg 3-28	Sec. 28-25N-92W	Hole open @ surface. Dry Perma-plug was side- ways.			Yes
	Stake missing. Due south of Tg 3-28. More or less 100-200'.	Concrete cap Did not remove			
	Site more or less 100' south of above hole. Does not appear to have been drilled.				
Tg 13-28	Sec. 28-25N-92W	Concrete cap Did not remove			
		<u>Sec. 29, T25N, R92W</u>			
Tg 3-29	Sec. 29-25N-92W	Perma-plug Slipped down hole	140'	323'	Yes
Tg 5-29	Sec. 29-25N-92W	Perma-plug Slipped down hole	Could not measure water.		Yes
Tg 4-29	Sec. 29-25N-92W	Perma-plug	154'	282'	Yes
Tg 2-29	Sec. 29-25N-92W	Perma-plug	155'	247'	Yes
Tg 10-29	Sec. 29-25N-92W	Perma-plug	154'	170'	Yes
Tg 9-29	Sec. 29-25N-92W	Perma-plug	150'	312'	Yes
Tg 7-29	Sec. 29-25N-92W	Could not locate hole.			
	Number is unknown. Unmarked TG hole approx. 200' due south of Tg 7-29	Cap slid down hole			Yes
	Unmarked Tg hole approx. 400-500' south of Tg 7-29	Perma-plug	135'	311'	Yes
Tg 20-29 (Someone has pulled up our drill hole stakes this year)	Sec. 29-25N-92W	Cement cap Did not remove			Yes

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 20-29	Sec. 29-25N-92W	Concrete cap Did not remove			
Due north of above hole. Stake has been removed.		Concrete Did not remove			
Tg 27-29	Sec. 29-25N-92W	Concrete Cap had slipped down hole 5' more or less. Repositioned and filled back up w/dirt. Did not remove.			
Tg 28-29	Sec. 29-25N-92W	Concrete cap @ surface Did not remove			
Stake has been removed & does not have ID. Hole is SW of Tg 1-29.		Perma-plug	132'	157'	Yes
Tg 1-29	Sec. 29-25N-92W	Perma-plug	142'	216'	Yes
Tg 8-29	Sec. 29-25N-92W	Perma-plug	143'	177'	Yes
Tg 19-29	Sec. 29-25N-92W	Octoplug w/"stuff" on top. Could not remove-slipped down hole.			
Tg 18-29	Sec. 29-25N-92W	Could not locate cap @ +5', no evidence of cement.			Yes
Hole WSW from Tg 18-29. Label missing.		Perma-plug	105'	332'	Yes
South of above hole 200' more or less. No stake.		Octoplug	102'	330'	Yes
Tg 16-29	Sec. 29-25N-92W 200' more or less from above hole.	Could not locate cap @ +5'. Cap appeared to be in solid.			
Tg 15-29	Sec. 29-25N-92W	Could not locate cap @ +5'. Solid cap.			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 23-29	Sec. 29-25N-92W	Concrete Did not remove			
Tg 22-29	Sec. 29-25N-92W	Concrete cap @ +5' Did not remove			
Tg 24-29	Sec. 29-25N-92W	Concrete cap had failed.	127'	181'	Yes
Tg 25-29	Sec. 29-25W-92W	Concrete Did not remove			
Tg 26-29	Sec. 29-25N-92W	Concrete Did not remove			
<u>Sec. 31, T25N, R92W</u>					
Tg 3-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 4-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 2-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 22-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 6-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 5-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 11-31	Sec. 31-25N-92W	Concrete cap Tried to remove but could not.			
Tg 17-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 7-31	Sec. 31-25N-92W	Concrete cap Did not remove			
Tg 12-31	Sec. 31-25N-92W	Concrete cap Tried to remove but could not			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg_-31 Hole ID was partially missing	Sec. 31-25N-92W	Perma-plug	141'	184'	Yes
Hole due north of Tg 12-31-25-92 approx. 400-500'. Marker has been removed from concrete cap. No ID.		Concrete cap Did not remove			
Marker stake has been removed. Due east of hole Tg 11-31-25-92(?) approx. +3'.		Concrete Did not remove			
No ID on hole stake - has been removed. Due west of last hole.		Cement cap @ +2' Did not remove			
<u>Sec. 30, T25N, R92W</u>					
Tg 1-30	Sec. 30-25N-92W	Concrete cap Did not remove			
No hole marker. Stake has been removed. Due east from last hole.		Concrete cap @ approx. 3-4'. Did not remove.			
<u>Sec. 31, T25N-R92W</u>					
Tg 15-31	Sec. 31-25N-92W	Concrete cap Cap is +3' thick. Tried to remove but could not.			
Tg_+31 Due south approx. 400' from last hole. Stake has been removed. Old lathe by hole Tg 14-31-92.	Sec. 31-25N-92W	Octoplug @ +5' Could not breach it to measure for water.			Yes
Unmarked hole. Stake has been removed. Due south of NE most hole in Sec. #6, T24-R92W.		Perma-plug	123'	210'	Yes
Due west of last hole. No marker stake has been removed. (Small stake in hole - Tg 7-31-25-92)		Concrete cap Did not remove			
Approx. NNE 200' from last hole. Stake has been removed.		Concrete cap			

Hole ID	Location	Original Cap	Depth to		Recapped w/concrete
			Water	Mud	
Tg 20-31(?)	Sec. 31 or 30(?) 24N-92W	Concrete cap			
Tg 4-32	Sec. 32-25N-92W	Perma-plug slipped down hole. Could not probe.			Yes
Tg 12-25	Sec. ___-25N-92W (Missing sec. No.- Due to south of #5 200' more or less)	Concrete Did not remove			
Tg 13-25	Sec. ___-25N-92W (Missing sec. No.- Due north of Tg 4-32 200' more or less)	Concrete Did not remove			
Hole on west- central edge of Sec. 32. Label is missing.	Sec. 32-25N-92W	Perma-plug	146'	189'	Yes
Tg 11-32	Sec. 32-25N-92W	Concrete Did not remove			
	<u>Sec. 32; T25N-R92W</u>				
Tg 7-32	Sec. 32-25N-92W	Concrete Did not remove			
Tg 10-32	Sec. 32-25N-92W	Octoplug	129'	228'	Yes
Tg 9-32	Sec. 32-25N-92W	Concrete Did not remove			
Tg 8-32	Sec. 32-25N-92W	Concrete Did not remove			
Tg 1-32	Sec. 32-25N-92W	Perma-plug	203'	254'	Yes
Old Tg hole label is missing	Sec. 32-25N-92W (North central)	Perma-plug	144'	224'	Yes
Tg 18-32	Sec. 32-25N-92W	Concrete Did not remove			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 19-32	Sec. 32-25N-92W	Concrete Did not remove			
Tg 5-32	Sec. 32-25N-92W	Perma-plug	153'	294'	Yes
Tg 5-32 (SW 400') Stake has been removed.	Sec. 32-25N-92W	Concrete Did not remove			
Tg 14-32 (Due north of above hole)	Sec. 32-25N-92W	Concrete Did not remove			
Due north of above hole. Stake has been removed.	Sec. 32-25N-92W	Concrete Did not remove			
Due north of above hole. Tg 17-32	Sec. 32-25N-92W	Concrete Did not remove			
Tg 2-32	Sec. 32-25N-92W	Perma-plug	150'	215'	Yes
Tg 4-32	Sec. 32-25N-92W(?) (200' more or less due north of the above hole & 400' due north of Tg 20)	Perma-plug	134'	249'	Yes
<u>Sec. 33, T25N-R92W</u>					
Tg 15-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 16-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 4-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 3-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 2-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 1-33	Sec. 33-25N-92W	Perma-plug	169'	216'	Yes
Tg 5-33	Sec. 33-25N-92W	Concrete Did not remove			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 26-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 27-33	Sec. 33-25N-92W	Concrete Did not remove			
Stake is missing, middle hole of three in central part of Sec. 33					
Tg 24-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 22-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 7-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 6-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 17-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg's(?) No marker on hole - not a Tg hole. Different marker.					
Tg 29-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 20-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 19-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 18-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 17-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 8-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 9-33	Sec. 33-25N-92W				
Stake was pulled up and lying on ground. Could not locate hole.					

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Hole approx. 200' east of Tg-33. Stake has been removed. ID(?)		Concrete Did not remove			
Tg 11-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 12-33	Sec. 33-25N-92W	Concrete Did not remove			
Tg 13-33	Sec. 33-25N-92W	Concrete Did not remove			
No ID. Stake has been removed. Hole is east of Tg 13-33		Concrete Did not remove			
Tg 21-33	Sec. 33-25N-92W	Concrete cap Did not remove			
		<u>Sec. 36, T25N, R92W</u>			
Tg 6-36	Sec. 36-25N-93W	Concrete cap Did not remove			
Tg 3-36	Sec. 36-25N-93W	Concrete cap Did not remove. Could not locate cap at 5'. Cement around edges of hole and @ collars. Put a second concrete cap in.			
Tg 2-36	Sec. 36-25N-92W	Concrete Did not remove			
Tg 1-36	Sec. 36-25N-92W	Concrete Did not remove			
Tg 4-36	Sec. 36-25N-93W(?)	Concrete Did not remove			
Tg 8-36	Sec. 36-25N-92W(?) Dug up and no cap present-even though concrete was around collar.	Concrete cap?	99'	191'	Yes
		Octoplug approx. 2-3' down hole. It was turned sideways.			

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
Tg 5-36	Sec. 36-25N-92W	Concrete cap Tried to remove but could not. At least 18" thick-maybe more.			Yes
Tg 7-36	Sec. 36-25N-92W	Concrete cap to surface. Did not remove.			
<u>Sec. 16, T26N, R91W</u>					
	Hole on southern Sec. 16-26N-91W endline @ sur- face.	Concrete at surface Did not remove cap.			
	NW across creek from above hole.	Capped-Not Tg hole			
	SW from stock pond in Osborne Draw-old Conoco hole - could not find hole.				
	Due south from above hole. No ID.	Recapped		Dry	
	Due south stock pond @ top of small hill. Did not open.	Concrete			
	South of above hole - Conoco's (B-67)				
	B-1115, south of above hole (Conoco's)	Recapped		Dry	Yes
	South of B-115 approx. 100' (B-83) Conoco's (?)	Octoplug Opened recapped			Yes
	B-112 - South of B-83	Open		Dry	Yes
	South of B-112 #B-9. Could not locate hole but badly caved around it approx. 4' diameter. Filled best we could.				Yes
	Hole south of above hole - No ID	Open			Yes
	West of last fence next to diagonal road - fence is N-S northern most hole - no ID - no hole.				
	South of above hole #75/30. Could not move stake. Left alone.				
	South of #26. #76/30. Recapped hole.				

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to Water</u>	<u>Mud</u>	<u>Recapped w/concrete</u>
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Sec. 21, T26N, R92W

D-73 Conoco hole(?)	Sec. 21-26N-92W		Dry		Yes
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Unidentified hole on west edge of Sec. 21			Open, water?		Yes
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Due west of above hole in Osborne Draw -
Could not locate holes (2) and not Tg's.

Due north of above hole (in a fence N-S)
Could not locate hole.

In fence north from above hole. Both were open and old - not Tg's.					Yes
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North of above and next to road. Could not
locate hole - not Tg's.

West of above hole - not Tg's. Completed Section 21					Yes
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An old Conoco hole next to 1/4 section marker for Sections 20 & 21.					Yes
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Due north approx. 300' from the above hole -
Not Tg's and already capped

Sec. 24, T26N, R92W

Unidentified hole next to creek. Approx. 1/2
mile north of Tg holes. Hole caved 3-4' in
diameter approx. 8-10' deep. Tried to cap but
couldn't - left open.

Unidentified hole in NE/1/4 of Sec. 24 - Open					Yes
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Open hole due west of above hole.					Yes
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Note: Numerous old Conoco holes were checked in Sec. 24. In most cases we could not locate holes. If they were capped, we left them along. If they were open, we recapped them with concrete.

<u>Hole ID</u>	<u>Location</u>	<u>Original Cap</u>	<u>Depth to</u>		<u>Recapped w/concrete</u>
			<u>Water</u>	<u>Mud</u>	
<u>Sec. 25, T26N-R92W</u>					
Tg 2-25	Sec. 25-26N-92W	Perma-plug	154'	378'	Yes
Tg 3-25	Sec. 25-26N-92W	Perma-plug slid down			Yes
Tg 1-25	Sec. 25-26N-92W	Perma-plug	193'	282'	Yes
			Hit heavy fluid @ approx. 200'.		

Sec. 29, T26N, R92W

Tg 132-29	Sec. 29-26N-92W		Dry		Yes
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Due north of hole Tg 132-29 approx. 400'. Could not locate hole.

Due north of #20 approx. 600'. Could not locate hole.

Sec. 36, T26N, R92W

RD 368		Open Recapped w/concrete			Yes
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Checked numerous old Conoco holes. No Tg holes. Recapped any open holes.

Open hole - no ID in south central Sec. 36. Too large to fill. Open approx. 3' in diameter + approx. 6' deep. Not Tg's.

APPENDIX E

Sealed Drill Holes and Abandonment Fluid Characteristics

Resealed Drill Holes

<u>HOLE ID</u>	<u>LOCATION</u>
Tg-35-20-25-92	NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20, T25N, R92W
Tg-1-14-25-92(?)	NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14, T25N, R92W
Tg-2-14-25-92	NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14, T25N, R92W
Tg-3-14-25-92	NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14, T25N, R92W
Tg-4-14-25-92	NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14, T25N, R92W
Tg-5-14-25-92	NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14, T25N, R92W
Tg-7-14-25-92	NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14, T25N, R92W
Tg-13-29-25-92(?)	NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29, T25N, R92W
Tg-14-29-25-92(?)	NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29, T25N, R92W
Tg-2-25-26-92	SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 25, T26N, R92W



August 1, 1983

RECEIVED

AUG 15 1983

Mr. Allen Tapp
Texas Gulf Sulfer
5932 McIntyre Street
Golden, Colorado 80403

Proj. Eval. Dept.
Golden, CO 80403

Re: Sample of Abandonment Fluid

Dear Mr. Tapp:

Following is data concerning the sample of abandonment fluid you provided that was used to plug holes in Wyoming:

Mud Weight	8.7 ppg
API Filtrate	4.8 cc
Plastic Viscosity, cp	15
Yield Point, lbs/100 ft ²	54
Initial Gel Strength, lbs/100 ft ²	18
10 Min. Gel Strength, lbs/100 ft ²	42

We now have testing equipment at our office. Please let me know when you have additional samples to be checked. Thanks for your business.

Sincerely,

Don Vesely

DPV/bb

*Sealing fluid characteristics for
1983 program, cvb*

PLATES

Map of Inventoried Land, 1983
1:4000 scale

PLATE I

Texasgulf memo

Date September 12, 1984
To E.J. Poole/I.L. Turner Location Golden
From C.A. Tapp Location Golden
Subject 1984 Lost Creek and Conoco Program

Attached is the final report for the 1984 Lost Creek and Conoco program. As you are aware, this program was initially presented to the Wyoming D.E.Q. in 1982. Its purpose was to rescind a Notice of Violation issued to Texasgulf by the D.E.Q. for failure to properly abandon drill holes. That Notice of Violation has been rescinded by the State and our program as presented is now complete.



C. A. T.

/av

Attachment: Report

6000-77

Texasgulf memo

Date September 5, 1984

To E.J. Poole/I.L. Turner Location Golden

From C.A. Tapp Location Golden

Subject Lost Creek/ Conoco - 1984 Program Summary

Texasgulf has completed its 1984 program on the Lost Creek and Conoco properties in Sweetwater County, Wyoming. In a letter to Wyoming's D.E.Q., November 24, 1982, a two year program was outlined which would inventory Texasgulf drill holes, recapping and resealing those holes which were determined to be substandard. The 1983 phase of the program inventoried seventy-five percent of the two properties. A detailed summary of that program was sent to the Wyoming D.E.Q.

The 1984 program completes the plan as presented to the D.E.Q. in 1982. Basically it involved inspecting down the hole conditions for all locateable Texasgulf drill holes to determine the adequacy of past sealing efforts. Appendix A details all holes inspected during the 1984 program. Water levels and mud column depths were measured and recorded. Concrete caps were placed on all Texasgulf holes which were not originally capped with concrete or if the original concrete cap had failed. Down the hole conditions were evaluated and any holes which did not meet our standards for sealing were resealed. Appendix B lists those drill holes which were resealed this year.

One square mile, Sec. 20, T25N R92W, containing roughly 80 drill holes was inspected in 1982 and recapped with perma-plugs. A small ledge was cut around the bore hole and the perma-plug placed on that ledge before backfilling. During the D.E.Q.'s June, 1984 inspection, several of these holes were reviewed. Mr. Alan Guile, field inspector for the D.E.Q., felt all of these were adequately capped and Texasgulf would not have to recap them with concrete caps.

Approximately nine square miles of land were inventoried in 1984. A total of 427 drill holes were inspected, of which 371 holes, eighty-seven percent, were recapped with concrete caps. Fifty-six holes could not be located for one of numerous reasons. It is interesting to note that seventy-two holes, seventeen percent, were dry. Table 1 summarizes our activities on the Lost Creek and Conoco properties.

TABLE 1

SUMMARY OF INSPECTION ACTIVITIES

	<u>Number of Holes Inspected</u>	<u>Number of Holes Recapped ¹</u>	<u>Number of Dry Holes</u>	<u>Number of Holes Resealed</u>
1982	79	79 ²		
1983	269	111	21	10 ³
1984	<u>427</u>	<u>371</u>	<u>72</u>	<u>27</u>
Total	775	561	93	37

Upon completion of the field inventory it was determined that twenty-seven holes required resealing. All holes were resealed late in August using a mixture of water, Shur-gel, and Quick-gel. After sealing the bore hole, they were recapped with concrete caps. Abandonment fluid specifications were tested in the field and exceeded those required by the Wyoming D.E.Q.

The inspection and resealing program of 1984 completes Texasgulf's program as outlined to the Wyoming D.E.Q. in November, 1982. All issues with the State pertaining to drill hole abandonment should be resolved at this time. However, one more inspection will probably be scheduled in the spring of 1985 to review the work completed this summer.

¹ Some drill holes were unlocateable.

² Holes recapped with perma-plugs.

³ One hole from the 1982 program was resealed in 1983.

C. A. T.

/av
Attachments - Appendix A &
Appendix B

APPENDIX A

<u>Hole ID</u>	<u>Original Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TT-1	Open Hole	Dry		Yes
TT-2	Octoplug	Dry		Yes
TT-3	Could not locate drill hole.			
TT-4	Octoplug	Dry		Yes
TT-5	Sage Brush	174'	356'	Yes
TT-6	Sage Brush	Dry		Yes
TT-7	Octoplug	Dry		Yes
TT-8	Sage Brush	Dry		Yes
TT-9	Could not locate drill hole.			
TT-10	Cap was too deep to breach.			Yes
TT-11	Octoplug	239'	443'	Yes
TT-12	Cap slipped down drill hole.			Yes
TT-13	Octoplug	Dry		Yes
TT-14	Cap was too deep to breach.			Yes
TT-15	Cap slipped down the hole.			Yes
TT-16	Octoplug	165'	175'	Yes
TT-17	Octoplug	Dry		Yes
TT-18	Octoplug	163'	169'	Yes
TT-19	Open Hole	Dry		Yes
TT-20	Perma-plug	210'	270'	Yes
TT-21	Octoplug	Dry		Yes
TT-22	Octoplug	223'	270'	Yes
TT-23	Octoplug	226'	261'	Yes
TT-24	Octoplug	Dry		Yes
TT-25	Octoplug	184'	196'	Yes
TT-25(?)	Perma-plug	184'	246'	Yes
TT-26	Octoplug	Dry		Yes
TT-27	Octoplug	Dry		Yes
TT-28	Open hole	Dry		Yes
TT-29	Octoplug	Dry		Yes
TT-30	Octoplug	187'	202'	Yes
TT-31	Could not locate drill hole.			
TT-32	Octoplug	180'	233'	Yes
TT-33	Octoplug	177'	208'	Yes

Hole ID	Orinigal Cap	Water	Depth To Mud	Recapped w/concrete
TT-34	Open Hole	Dry		Yes
TT-35	Octoplug	163'	183'	Yes
TT-36	Octoplug	164'	187'	Yes
TT-37	Could not locate drill hole.			
TT-38	Open Hole	115'	120'	Yes
TT-39	Octoplug	Dry		Yes
TT-40	Octoplug	Dry		Yes
TT-41	Octoplug	151'	174'	Yes
TT-42	Could not locate drill hole.			
TT-43	Could not locate drill hole.			
TT-44	Octoplug	Dry		Yes
TT-45	Sage Brush	Dry		Yes
TT-46	Octoplug	177'	189'	Yes
TT-47	Open Hole	156'	234'	Yes
TT-48	Octoplug	Dry		Yes
TT-49	No Cap	Dry		Yes
TT-50	Octoplug	Dry		Yes
TT-51	Cap was too deep to breach.			Yes
TT-52	Octoplug	179'	376'	Yes
TT-53	No Cap	Dry		Yes
TT-54	Could not locate drill hole.			
TT-55	Octoplug	182'	210'	Yes
TT-56	Octoplug	Dry		Yes
TT-57	Octoplug	184'	194'	Yes
TT-58	Could not locate drill hole.			
TT-59	Cap was too deep to breach.			Yes
TT-60	Octoplug	189'	210'	Yes
TT-61	Cap was too deep to breach.			Yes
TT-62	Cap slipped down drill hole.			Yes
TT-63	Octoplug	Dry		Yes
TT-64	Octoplug	155'	193'	Yes
TT-65	Cap was too deep to breach.			Yes
TT-66	Could not locate drill hole.			Yes
TT-67	Could not locate drill hole.			Yes
TT-68	Octoplug	Dry		Yes

<u>Hole ID</u>	<u>Original Cap</u>	<u>Water</u>	<u>Depth To</u> <u>Mud</u>	<u>Recapped</u> <u>w/concrete</u>
TT-69	Could not locate drill hole.			
TT-70	Octoplug	198'	199'	Yes
TT-71	Octoplug	201'	204'	Yes
TT-72	Octoplug	199'	203'	Yes
TT-73	Octoplug	195'	234'	Yes
TT-74	Octoplug	156'	170'	Yes
TT-75	Could not locate drill hole.			
TT-76	Sage Brush	Dry		Yes
TT-77	Octoplug	167'	180'	Yes
TT-78	Sage Brush	159'	184'	Yes
TT-79	Sage Brush	Dry		Yes
TT-80	Octoplug	180'	222'	Yes
TT-81	Octoplug	175'	232'	Yes
TT-82	Octoplug	176'	214'	Yes
TT-83	Open Hole	Dry		Yes
TT-84	No Cap	Dry		Yes
TT-85	Octoplug	153'	320'	Yes
TT-86	Could not locate drill hole.			
TT-87	Octoplug	161'	190'	Yes
TT-88	Could not locate drill hole.			
TT-89	Octoplug	Dry		Yes
TT-90	Octoplug	Dry		Yes
TT-91	Octoplug	245'	373'	Yes
TT-92	Octoplug	237'	413'	Yes
TT-93	Octoplug	221'	419'	Yes
TT-94	Cap slipped down drill hole.			Yes
TT-95	Cap was too deep to breach.			Yes
TT-96	Sage Brush	Dry		Yes
TT-97	Cap slipped down drill hole.			Yes
TT-98	Cap slipped down drill hole.			Yes
TT-99	Perma-plug	Dry		Yes
TT-100	Perma-plug	187'	202'	Yes
TT-101	Could not locate drill hole.			
TT-102	Perma-plug	177'	203'	Yes

Hole ID	Orinigal Cap	Water	Depth To Mud	Recapped w/concrete
TT-103	Cap was too deep to breach			Yes
TT-104	Cap was too deep to breach.			Yes
TT-105	Perma-plug	180'	247'	Yes
TT-106	Octoplug	178'	200'	Yes
TT-107	Octoplug	Dry		Yes
TT-108	Octoplug	176'	182'	Yes
TT-109	Cap slipped down drill hole.			Yes
TT-110	Octoplug	176'	229'	Yes
TT-111	Octoplug	155'	170'	Yes
TT-112	Cap was too deep to breach.			Yes
TT-113	Perma-plug	176'	214'	Yes
TT-114	Perma-plug	186'	197'	Yes
TT-115	Perma-plug	251'	415'	Yes
TT-116	Could not locate drill hole.			
TT-117	Cap slipped down drill hole.			Yes
TT-118	Perma-plug	225'	>475'	Yes
TT-119	Cap was too deep to breach.			Yes
TT-120	Cap was too deep to breach.			Yes
TT-121	Perma-plug	172'	243'	Yes
TT-122	Perma-plug	Dry		Yes
TT-123	Perma-plug	Dry		Yes
TT-124	Cap was too deep to breach.			Yes
TT-125	Perma-plug	178'	251'	Yes
TT-126	Perma-plug	179'	382'	Yes
TT-127	Perma-plug	176'	228'	Yes
TT-128	Cap was too deep to breach.			Yes
TT-129	Perma-plug	176'	197'	Yes
TT-130	Perma-plug	Dry		Yes
TT-131	Perma-plug	180'	218'	Yes
TT-132	Perma-plug	184'	203'	Yes
TT-133	Perma-plug	183'	191'	Yes
TT-134	Cap slipped down drill hole.			Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To</u> <u>Mud</u>	<u>Recapped</u> <u>w/concrete</u>
TT-135	Perma-plug	Dry		Yes
TT-136	Perma-plug	187'	394'	Yes
TT-137	Cap was too deep to breach.			Yes
TT-138	Perma-plug	Dry		Yes
TT-139	Cap was too deep to breach.			Yes
TT-140	Cap was too deep to breach.			Yes
TT-141	Could not locate drill hole.			
TT-142	Perma-plug	184'	243'	Yes
TT-143	Perma-plug	185'	204'	Yes
TT-144	Perma-plug	Dry		Yes
TT-145	Open Hole	Dry		Yes
TT-146	Perma-plug	191'	207'	Yes
TT-147	Perma-plug	195'	236'	Yes
TT-148	Perma-plug	195'	236'	Yes
TT-149	Perma-plug	193'	239'	Yes
TT-150	Perma-plug	176'	249'	Yes
TT-151	Perma-plug	179'	294'	Yes
TT-152	Perma-plug	179'	236'	Yes
TT-153	Perma-plug	175'	210'	Yes
TT-154	Cap slipped down drill hole.			Yes
TT-155	Perma-plug	179'	272'	Yes
TT-156	Perma-plug	195'	396'	Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To</u>	<u>Mud</u>	<u>Recapped w/concrete</u>
TE-1	Open Hole	Dry			Yes
TE-2	Octoplug	188'		191'	Yes
TE-3	Cap was too deep to breach.				Yes
TE-4	Octoplug	205'		401'	Yes
TE-5	Sage Brush	Dry			Yes
TE-6	Octoplug	Dry			Yes
TE-7	Octoplug	Dry			Yes
TE-8	Octoplug	Dry			Yes
TE-9	Octoplug	210'		276'	Yes
TE-10	Octoplug	210'		221'	Yes
TE-11	Octoplug	Dry			Yes
TE-12	Octoplug	215'		227'	Yes
TE-13	Could not locate drill hole.				
TE-14	Octoplug	296'		395'	Yes
TE-15	Octoplug	Dry			Yes
TE-16	Could not locate drill hole.				
TE-17	Cap was too deep to breach.				Yes
TE-18	Open Hole	Dry			Yes
TE-19	Octoplug	Dry			Yes
TE-20	Octoplug	Dry			Yes
TE-21	Octoplug	207'		238'	Yes
TE-22	Octoplug	215'		235'	Yes
TE-23	Octoplug	210'		228'	Yes
TE-25	Octoplug	Dry			Yes
TE-26	Octoplug	221'		225'	Yes
TE-27	Could not locate drill hole.				
TE-28	Octoplug	224'		444'	Yes
TE-29	Open Hole	Dry			Yes
TE-30	Octoplug	Dry			Yes
TE-31	Could not locate drill hole.				
TE-32	Could not locate drill hole.				
TE-33	Cap slipped down drill hole				Yes
TE-34	Octoplug	223'		228'	Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TE-35	Octoplug	223'	235'	Yes
TE-36	Octoplug	Dry		Yes
TE-37	Octoplug	219'	277'	Yes
TE-39	No Cap	216'	220'	Yes
TE-40	Could not locate drill hole.			
TE-41	Could not locate drill hole.			
TE-42	Perma-plug	219'	228'	Yes
TE-43	Perma-plug	218'	226'	Yes
TE-44	Cap slipped down drill hole.			
TE-45	Octoplug	211'	221'	Yes
TE-46	No Cap	Dry		Yes
TE-47	Octoplug	204'	248'	Yes
TE-48	No Cap	212'	225'	Yes
TE-49	Could not locate drill hole.			
TE-50	Octoplug	209'	234'	Yes
TE-51	Octoplug	Obstruction in hole @ about 100'		Yes
TE-52	Octoplug	209'	247'	Yes
TE-53	Octoplug	210'	238'	Yes
TE-54	Could not locate drill hole.			
TE-55	Could not locate drill hole.			
TE-56	Open Hole	203'	230'	Yes
TE-57	Octoplug	210'	235'	Yes
TE-58	Could not locate drill hole.			
TE-59	Could not locate drill hole.			
TE-60	Could not locate drill hole.			
TE-61	Octoplug	209'	225'	Yes
TE-62	Could not locate drill hole.			
TE-63	Octoplug	Dry		Yes
TE-64	Open Hole	195'	224'	Yes
TE-65	Octoplug	Dry		Yes
TE-66	Octoplug	Dry		Yes
TE-67	Octoplug	191'	389'	Yes
TE-68	Could not locate drill hole.			
TE-69	Octoplug	191'	209'	Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TE-70	Octoplug	189'	252'	Yes
TE-71	Octoplug	Dry		Yes
TE-72	Octoplug	192'	211'	Yes
TE-73	Octoplug	Dry		Yes
TE-74	Octoplug	227'	249'	Yes
TE-75	Octoplug	229'	270'	Yes
TE-76	Octoplug	211'	248'	Yes
TE-77	Open Hole	Dry		Yes
TE-78	Octoplug	Dry		Yes
TE-79	Open Hole	214'	308'	Yes
TE-80	Octoplug	Dry		Yes
TE-81	Octoplug	?	250'	Yes
TE-82	Octoplug	212'	253'	Yes
TE-83	Octoplug	207'	326'	Yes
TE-84	Octoplug	212'	241'	Yes
TE-85	Could not locate drill hole.			
TE-86	Open Hole	223'	275'	Yes
TE-87	Octoplug	233'	238'	Yes
TE-88	Octoplug	216'	219'	Yes
TE-89	Octoplug	194'	230'	Yes
TE-90	Perma-plug	209'	243'	Yes
TE-91	Cap was too deep to breach.			Yes
TE-92	Perma-plug	204'	252'	Yes
TE-93	Perma-plug	205'	225'	Yes
TE-94	Perma-plug	205'	227'	Yes
TE-95	Could not locate drill hole.			
TE-96	Perma-plug	203'	207'	Yes
TE-97	Cap slipped down drill hole.			
TE-101	Perma-plug	195'	199'	Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To</u>	<u>Mud</u>	<u>Recapped w/concrete</u>
TGC-1-15	Could not locate drill hole.				
TGC-2-15	Could not locate drill hole.				
TG-3-15	Could not locate drill hole.				
TG-4-15	Perma-plug	104'	200'		Yes
TG-5-15	Perma-plug	90'	233'		Yes
TG-6-15	Perma-plug	94'	229'		Yes
TG-7-15	Perma-plug	99'	115'		Yes
TG-8-15	Open Hole	113'	200'		Yes
TG-9-15	Perma-plug	92'	245'		Yes
TG-10-15	Perma-plug	97'	225'		Yes
TG-11-15	Perma-plug	100'	231'		Yes
TG-1-17	Perma-plug	160'	238'		Yes
TG-3-17	Perma-plug	155'	160'		Yes
TG-5-17	Perma-plug	151'	368'		Yes
TG-6-17	Perma-plug	166'	395'		Yes
TG-7-17	Perma-plug	157'	239'		Yes
TG-8-17	Cap slipped down drill hole.				
TG-9-17	Perma-plug	151'	163'		Yes
TG-10-17	Perma-plug	153'	313'		Yes
TG-11-17	Perma-plug	159'	186'		Yes
TG-12-17	Perma-plug	152'	154'		Yes
TG-13-17	Perma-plug	158'	288'		Yes
TG-15-17	Perma-plug	167'	341'		Yes
TG-16-17	Perma-plug	167'	241'		Yes
TG-17-17	Perma-plug	160'	205'		Yes
TG-18-71	Perma-plug	167'	190'		Yes
TG-19-17	Perma-plug	156'	203'		Yes
TG-20-17	Perma-plug	161'	294'		Yes
TG-21-17	Perma-plug	163'	357'		Yes
TG-22-17	Perma-plug	171'	248'		Yes
TG-23-17	Perma-plug	155'	186'		Yes
TG-24-17	Perma-plug	157'	201'		Yes

<u>Hole ID</u>	<u>Original Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TG-25-17	Perma-plug	159'	221'	Yes
TG-26-17	Perma-plug	158'	166'	Yes
TG-27-17	Perma-plug	163'	271'	Yes
TG-28-17	Perma-plug	162'	225'	Yes
TG-29-17	Perma-plug	161'	238'	Yes
TG-30-17	Perma-plug	168'	243'	Yes
TG-32-17	Perma-plug	160'	196'	Yes
TG-33-17	Perma-plug	161'	200'	Yes
TG-34-17	Perma-plug	158'	275'	Yes
TG-35-17	Perma-plug	152'	333'	Yes
TG-36-17	Cap was too deep to breach.			Yes
TG-37-17	Perma-plug	161'	317'	Yes
TG-38-17	Perma-plug	151'	176'	Yes
TG-39-17	Cap was too deep to breach.			Yes
TG-40-17	Cap was too deep to breach.			Yes
TG-41-17	Cap was too deep to breach.			Yes
TG-42-17	Cap was too deep to breach.			Yes
TG-43-17	Perma-plug	161'	438'	Yes
TG-44-17	Perma-plug	166'	286'	Yes
TG-45-17	Cap was too deep to breach.			Yes
TG-46-17	Cap slipped down drill hole.			Yes
TG-47-17	Cap was too deep to breach.			Yes
TG-48-17	Cap was too deep to breach.			Yes
TG-49-17	Perma-plug	151'	159'	Yes
TG-50-17	Cap was too deep to breach.			Yes
TG-51-17	Concrete cap. Did not remove.			
TG-52-17	Concrete cap. Did not remove.			
TG-1-18	Perma-plug	151'	156'	Yes
TG-2-18	Perma-plug	156'	242'	Yes
TG-3-18	Cap was too deep to breach.			Yes
TG-4-18	Perma-plug	164'	176'	Yes
TG-5-84	Perma-plug	159'	168'	Yes
TG-6-18	Perma-plug	166'	306'	Yes

<u>Hole ID</u>	<u>Original Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TG-7-18	Perma-plug	167'	224'	Yes
TG-8-18	Perma-plug	157'	341'	Yes
TG-9-18	Could not locate drill hole.			
TG-10-18	Perma-plug	166'	298'	Yes
TG-11-18	Could not locate drill hole.			
TG-12-18	Perma-plug	173'	206'	Yes
TG-13-18	Perma-plug	154'	379'	Yes
TG-14-18	Could not locate drill hole.			
TG-15-18	Perma-plug	156'	238'	Yes
TG-16-18	Cap slipped down dill hole.			
TGC-17-18	Cap was too deep to breach.			Yes
TGC-18-18	Perma-plug	155'	369'	Yes
TGC-19-18	Perma-plug	155'	389'	Yes
TG-20-18	Cap was too deep to breach.			Yes
TGC-20-18	Cap was too deep to breach.			Yes
TG-21-18	Cap was too deep to breach.			Yes
TGC-21-18	Cap slipped down drill hole.			Yes
TG-22-18	Cap was too deep to breach.			Yes
TG-23-18	No Cap.	Dry		Yes
TG-24-18	Cap was too deep to breach.			Yes
TG-25-18	Cap was too deep to breach.			Yes
TG-27-18	No Cap.	Dry		Yes
TG-1-19	Perma-plug	145'	223'	Yes
TGC-1-19	Perma-plug	154'	180'	Yes
TGC-1A-60-19	Angle hole. Could not probe.			Yes
TGC-1A-45-19	Angle hole. Could not probe.			Yes
TG-2-19	Perma-plug	143'	144'	Yes
TGC-2-19	Could not breach cap.			Yes
TG-3-19	Perma-plug	129'	139'	Yes
TG-4-19	Perma-plug	138'	>450'	Yes
TG-5-19	Perma-plug(open)	145'	215'	Yes
TG-6-19	Cap was too deep to breach.			Yes
TG-7-19	Cap slipped down drill hole.			Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TG-8-19	Cap failed at surface. Could not probe.			Yes
TG-9-19	Perma-plug(open)	158'	>450'	Yes
TG-10-19	Perma-plug	154'	283'	Yes
TG-11-19	Perma-plug	Dry		Yes
TG-12-19	Perma-plug	160'	331'	Yes
TG-13-19	Cap slipped down drill hole.			Yes
TG-14-19	Perma-plug	159'	175'	Yes
TG-15-19	Cap was too deep to breach.			Yes
TG-16-19	Could not locate drill hole.			
TG-17-19	Cap was too deep to breach.			Yes
TG-18-19	Cap failed at surface. Could not probe.			Yes
TG-19-19	Cap was too deep to breach.			Yes
TG-20-19	Cap was too deep to breach.			Yes
TG-21-19	Cap slipped down drill hole.			Yes
TG-22-19	Cap was too deep to breach.			Yes
TG-23-19	Cap was too deep to breach.			Yes
TG-24-19	Cap was too deep to breach.			Yes
TG-25-19	Cap was too deep to breach.			Yes
TG-1A-75-19	Angle hole. Could not probe.			Yes
TG-1A-60-19	Angle hole. Could not probe.			Yes
TG-1-21	Perma-plug	144'	316'	Yes
TG-2-21	Perma-plug	142'	366'	Yes
TG-3-21	Cap was too deep to breach.			Yes
TG-4-21	Perma-plug	118'	414'	Yes
TG-5-21	Cap was too deep to breach.			Yes
TG-6-21	Perma-plug	129'	142'	Yes
TG-7-21	Perma-plug	132'	296'	Yes
TG-8-21	Cap slipped down drill hole.			Yes
TG-9-21	Perma-plug	116'	159'	Yes
TG-10-21	Cap was too deep to breach.			Yes
TG-11-21	Perma-plug	124'	282'	Yes
TG-12-21	Perma-plug	131'	279'	Yes
TG-13-21	Perma-plug	121'	421'	Yes
TG-14-21	Perma-plug	128'	259'	Yes

<u>Hole ID</u>	<u>Orinigal Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TG-14-21	Could not locate drill hole.			
TG-15-21	Perma-plug	128'	429'	Yes
TG-17-21	Perma-plug	129'	145'	Yes
TG-18-21	Perma-plug	121'	166'	Yes
TG-19-21	Perma-plug	133'	291'	Yes
TG-20-21	Cap slipped down drill hole.			Yes
TG-21-21	Perma-plug	109'	319'	Yes
TG-22-21	Perma-plug	115'	116'	Yes
TG-23-21	Cap slipped down drill hole.			Yes
TG-24-21	Cap was too deep to breach.			Yes
TG-25-21	Perma-plug	100'	312'	Yes
TG-26-21	Open	Dry		Yes
TG-28-21	Perma-plug	127'	131'	Yes
TG-29-21	Perma-plug	115'	308'	Yes
TG-30-21	Cap slipped down drill hole.			Yes
TG-31-21	Sage Brush	110'	113'	Yes
No ID	Drill site, but could not locate drill hole.			
TG-32-21	Perma-Plug	Dry		Yes
TG-33-21	Sage Brush	Dry		Yes
TG-34-21	Perma-plug	88'	117'	Yes
TG-35-21	Perma-plug	80'	115'	Yes
TG-36-21	Could not locate drill hole.			
TG-37-21	Cap was too deep to breach.			Yes
TG-38-21	Cap slipped down drill hole.			Yes
TG-39-21	Perma-plug	88'	202'	Yes
TG-40-21	Perma-plug	86'	93'	Yes
TG-41-21	Cap was too deep to breach.			Yes
TG-42-21	Perma-plug	112'	345'	Yes
TG-44-21	Concrete cap. Did not remove.			
TG-45-21	Concrete cap. Did not remove.			
TG-46-21	Could not locate drill hole.			
TG-47-21	Concrete cap. Did not remove.			
TG-48-21	Cap was too deep to breach.			Yes
TG-49-21	Could not locate drill hole.			

<u>Hole ID</u>	<u>Original Cap</u>	<u>Water</u>	<u>Depth To Mud</u>	<u>Recapped w/concrete</u>
TG-50-21	Concrete cap. Did not remove.			
TG-51-21	Concrete cap. Did not remove.			
TG-3-21(?)	Sage Brush	98'	218'	Yes
TGC-27-21	Could not locate drill hole.			
TGC-16-21	Could not locate drill hole.			
TG-1-22	Could not locate drill hole.			
TG-2-22	Perma-plug	97'	279'	Yes
TG-3-22	Perma-plug	98'	284'	Yes

TOTAL NUMBER OF HOLES INSPECTED:	427	100%
TOTAL NUMBER OF HOLES CAPPED:	371	87%
NUMBER OF DRY HOLES:	72	17%
NUMBER OF WET HOLES:	213	50%
NUMBER OF UNPROBED HOLES:	142	33%

/av

APPENDIX B

RESEALED DRILL HOLES

<u>Hole Number</u>	<u>Location</u>
TT-5	SW1/4, NW1/4, Sec. 19, T25N, R92W
TT-11	SW1/4, SE1/4, Sec. 7, T25N, R92W
TT-52	SE1/4, NE1/4, Sec. 24, T25N, R93W
TT-91	SW1/4, SE1/4, Sec. 7, T25N, R92W
TT-92	SE1/4, SW1/4, Sec. 7, T25N, R92W
TT-93	NW1/4, NE1/4, Sec. 18, T25N, R92W
TT-115	NW1/4, NE1/4, Sec. 13, T25N, R93W
TT-118	NE1/4, NW1/4, Sec. 18, T25N, R92W
TT-126	SW1/4, NW1/4, Sec. 19, T25N, R92W
TT-136	SW1/4, NE1/4, Sec. 24, T25N, R93W
TT-156	SW1/4, NE1/4, Sec. 24, T25N, R93W
TE-4	NW1/4, NE1/4, Sec. 24, T25N, R93W
TE-14	NW1/4, NW1/4, Sec. 23, T25N, R93W
TE-28	NE1/4, NW1/4, Sec. 24, T25N, R93W
TE-67	SW1/4, NE1/4, Sec. 24, T25N, R93W
TG-5-17	SW1/4, SW1/4, Sec. 17, T25N, R92W
TG-6-17	SW1/4, SW1/4, Sec. 17, T25N, R92W
TG-21-17	SE1/4, SW1/4, Sec. 17, T25N, R92W
TG-43-17	SW1/4, SW1/4, Sec. 17, T25N, R92W
TG-13-18	SE1/4, SE1/4, Sec. 18, T25N, R92W
TGC-18-18	SE1/4, SE1/4, Sec. 18, T25N, R92W
TG-4-19	SE1/4, NE1/4, Sec. 19, T25N, R92W
TG-9-19	NE1/4, NE1/4, Sec. 19, T25N, R92W
TG-2-21	NW1/4, NW1/4, Sec. 21, T25N, R92W
TG-4-21	NE1/4, NW1/4, Sec. 21, T25N, R92W
TG-13-21	NE1/4, NW1/4, Sec. 21, T25N, R92W
TG-15-21	NW1/4, NE1/4, Sec. 21, T25N, R92W

January 15, 2007

Melissa L. Bautz
Senior Environmental Analyst
State of Wyoming
Department of Environmental Quality
Land Quality Division
510 Meadowview Drive
Lander, WY 82520

RE: Drilling Notification No. 334DN Amendment, NFU Wyoming, LLC

Dear Ms. Bautz,

NFU Wyoming, LLC, an affiliate of Ur-Energy USA, has completed the installation of 17 new monitoring wells within the Lost Creek Project area, T25N, R92 and 93W, Sweetwater County, Wyoming. These water wells were also permitted through the State Engineer's Office.

During the 2006 field activities, a total of 19 historic exploration holes near our new wells were found to be open. This includes seven holes drilled in 2005 by NFU Wyoming in which the plug gel did not sufficiently stabilize. These holes were reamed out, plugged with grout, and capped with 25 feet of cement to assure the quality and integrity of our hydrological testing results. This plugging method was approved by the WDEQ for use by NFU Wyoming in 2006. This part of the project constituted over 11,600 feet of reaming and plugging at an additional cost to NFU Wyoming of \$30,000.

For reclamation, each well and historic drilling site was then recontoured, the stockpiled topsoil was replaced, and the site was reseeded. A detailed, site-specific vegetation survey conducted by Keammerer Ecological Consultants, Inc. in 2006 indicated that the vegetation types growing on the site are slightly different than the standard BLM recommended seed mix. The new mix and the seeding proportions are indicated on the completion reports. With the permission of both the WDEQ and the BLM, this new seed mix was used at each disturbed site in order to promote re-vegetation similar to the existing conditions.

Per the Reporting Requirements, Section 8, Form 9DN, "Department of Environmental Quality, Land Notification of Intent to Explore for Noncoal Minerals by Drilling", we are

attaching the following lists of information in duplicate to your office and the State Engineer's office with a copy to the U.S. BLM office in Rawlins.

1. A tabulation of the monitoring wells and historic plugged holes, including quadrangle location, northing and easting coordinates, elevation, total depth/depth plugged, date completed/plugged, land ownership, disturbance, reclamation, seed mix, seeding method, and seeding date.
2. A tabulation of the wells by $\frac{1}{4}$, $\frac{1}{4}$ Section, Township, and Range
3. A map on USGS quadrangle format showing the location of the wells and an outline of the general area of the exploration activities.

If you need any additional information, please do not hesitate to contact either myself or Dawn Schippe at 720-981-4588.

Sincerely,

Harold A. Backer
VP US Operations

Cc: State Engineer's Office
Mark Newman, U.S. BLM

**2006 Drilling Program WDEQ Completion Report
 NFU Wyoming, LLC - Lost Creek Project - Sweetwater County
 Drilling Notification Number #334DN**

Operator: NFU Wyoming, LLC
 Operator Address: 10758 W. Centennial Road, Suite 200, Littleton, CO 80127
 Drilling Notification Number: 334DN

Hole ID	WY State Engineer Permit Number	USGS 7.5 Minute Quad	WY State Plane, NAD 27 West Central Zone		Pilot Hole TD	Date Completed	Capping Method	Plugging Method	Ownership	Disturbance	Reclamation	Seed Mix (Approved by WDEQ and BLM)	Seed Method	Seeding
			N	E										
LC15M	U.W. 175260	Osbourne Well	534,823	744,546	350	9/13/2006	Monitoring Well was installed and is operational. 4 1/2" diameter PVC well, protruding approximately 2' out of ground with 1/2, 3/4, or 1 hp pump installed. Entire assembly protected by locking well cover anchored below ground surface.	Monitoring Well is operational. Schedule 40 PVC pipe anchored in ground by cement (except LC29, 30, and 31M which are gravel packed to 20' below surface, above is 15' bentonite chips, with 5' soil on top), 7 7/8" diameter drilled hole.	US Department of the Interior US BLM	15' x 25' Disturbance, all drilled from same pad	Stockpiled topsoil and replaced after completion of drilling and recontouring of site	Total 19.5 lb/acre: Thickspike wheatgrass 4 lb/acre; Western wheatgrass 2 lb/acre; Indian ricegrass 2 lb/acre; Prairie sandreed 2 lb/acre; Great Basin wildrye 2 lb/acre; Big sagebrush 1 lb/acre; Rubber rabbitbrush 1 lb/acre; Winterfat (Ceratooides lanata) 1.5 lb/acre; Slender wheatgrass (Agropyron trachycaulum) 2.5 lb/acre; Sandberg Bluegrass (Poa secunda) 1.5 lb/acre	Seed spread with Kubota tractors and Truax no-till seed drills; fertilizer will be spread in Spring 2007	12/22/2006
LC16M	U.W. 175260	Osbourne Well	534,820	744,562	472	9/13/2006	Same as Above	Same as Above	Same as Above		Same as Above	Same as Above	Same as Above	12/22/2006
LC17M	U.W. 175260	Osbourne Well	534,840	744,562	575	9/13/2006	Same as Above	Same as Above	Same as Above		Same as Above	Same as Above	Same as Above	12/22/2006
LC29M	U.W. 175260	Osbourne Well	534,837	744,547	171	9/21/2006	Same as Above	Same as Above	Same as Above		Same as Above	Same as Above	Same as Above	12/22/2006
LC18M	U.W. 175261	Osbourne Well	535,318	743,362	350	9/21/2006	Same as Above	Same as Above	Same as Above	15' x 25'	Same as Above	Same as Above	Same as Above	12/21/2006
LC19M	U.W. 175261	Osbourne Well	535,317	743,378	463	9/21/2006	Same as Above	Same as Above	Same as Above	Disturbance, all drilled from	Same as Above	Same as Above	Same as Above	12/21/2006
LC20M	U.W. 175261	Osbourne Well	535,332	743,377	543	9/22/2006	Same as Above	Same as Above	Same as Above		Same as Above	Same as Above	Same as Above	12/21/2006
LC21M	U.W. 175262	Antelope Reservoir	532,850	736,277	410	9/21/2006	Same as Above	Same as Above	Same as Above	15' x 25'	Same as Above	Same as Above	Same as Above	12/21/2006
LC22M	U.W. 175262	Antelope Reservoir	532,850	736,292	592	9/22/2006	Same as Above	Same as Above	Same as Above	Disturbance, all drilled from	Same as Above	Same as Above	Same as Above	12/21/2006
LC23M	U.W. 175262	Antelope Reservoir	532,835	736,292	634	9/22/2006	Same as Above	Same as Above	Same as Above	same pad	Same as Above	Same as Above	Same as Above	12/21/2006
LC30M	U.W. 175262	Antelope Reservoir	532,836	736,276	236	9/21/2006	Same as Above	Same as Above	Same as Above		Same as Above	Same as Above	Same as Above	12/21/2006
LC24M	U.W. 175263	Osbourne Well	535,203	744,580	542	9/22/2006	Same as Above	Same as Above	Same as Above	15' x 25'	Same as Above	Same as Above	Same as Above	12/22/2006
LC25M	U.W. 175264	Osbourne Well	534,621	743,406	380	9/22/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
LC26M	U.W. 175265	Osbourne Well	534,832	748,203	436	9/22/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/22/2006
LC27M	U.W. 175266	Osbourne Well	539,018	753,260	477	9/27/2006	Same as Above	Same as Above	State	Same as Above	Same as Above	Same as Above	Same as Above	12/22/2006
LC28M	U.W. 175267	Battle Springs	524,437	733,364	563	9/22/2006	Same as Above	Same as Above	US DOI BLM	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
LC31M	U.W. 175268	Battle Springs	524,434	733,380	191	9/22/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/22/2006

Maintaining all completed water wells under State Engineer Permits listed above

Plugged Holes

**2006 Drilling Program WDEQ Completion Report
NFU Wyoming, LLC - Lost Creek Project - Sweetwater County
Drilling Notification Number #334DN**

Historic Hole Plugging and Reclamation

Operator: NFU Wyoming, LLC
Operator Address: 10758 W. Centennial Road, Suite 200, Littleton, CO 80127
Drilling Notification Number: 334DN

****NOTE**** The LC holes listed were drilled in 2005 by NFU Wyoming, LLC, and plugged with plug gel as per WDEQ regulations. Upon re-opening the 7 holes listed below, the gel was found to not sufficiently plug the holes for conducting pump tests on aquifers. For holes in the vicinity of NFU Wyoming's 2006 wells, the plug gel was replaced with grout, a denser plugging material, to the depth listed with a 25' cement cap.

****NOTE**** The TE and TT holes listed below were drilled in the 1970s. Since they are in the vicinity of NFU Wyoming's western pump test, they were opened, cleaned out, and replugged with grout to the depth indicated and capped with 25' of cement.

The cost of locating, reaming out, plugging, and reclaiming the 19 holes came to approximately \$30,000, with a total of 11,620 ft of reaming and plugging.

Hole ID	USGS 7.5 Minute Quad	WY State Plane, NAD 27 West Central Zone		Elevation	Depth Plugged	Date Plugged	Capping Method	Plugging Method	Ownership	Disturbance	Reclamation	Seed Mix (Approved by WDEQ and BLM)	Seed Method	Seeding
		N	E											
LC10A	Osbourne Well	535,299	743,395	6950	250	9/8/2006	Top 25' of hole is filled with cement, added after plug material stabilized. Hole ID stamped onto steel ring, attached to cement by aluminum wire.	Original plug gel from 2005 was insufficient, plugged in 2006 with grout from 25' below surface to TD or depth indicated.	US Department of the Interior US BLM	15' x 25' Disturbance	Stockpiled topsoil and replaced after completion of drilling and recontouring of site	Total 19.5 lb/acre: Thickspike wheatgrass 4 lb/acre; Western wheatgrass 2 lb/acre; Indian ricegrass 2 lb/acre; Prairie sandreed 2 lb/acre; Great Basin wildrye 2 lb/acre; Big sagebrush 1 lb/acre; Rubber rabbitbrush 1 lb/acre; Winterfat (Ceratoides lanata) 1.5 lb/acre; Slender wheatgrass (Agropyron trachycaulum) 2.5 lb/acre; Sandberg Bluegrass (Poa secunda) 1.5 lb/acre	Seed spread with Kubota tractors and Truax no-till seed drills; fertilizer will be spread in Spring 2007	12/21/2006
LC10C	Osbourne Well	535,304	743,399	6950	600	9/10/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
LC12C	Osbourne Well	534,813	744,601	6935	800	Sept 6,7,13	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/22/2006
LC4C	Osbourne Well	534,908	743,606	6940	600	9/11/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
LC5C	Osbourne Well	534,824	743,397	6942	600	9/7/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
LC7C	Osbourne Well	534,756	741,947	6932	600	9/11/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
LC8C	Osbourne Well	535,399	743,396	6943	600	9/7/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TE69	Antelope Reservoir	532,781	736,195	6922	650	9/12/2006	Same as Above	Grouted from 25' below surface to TD or depth indicated.	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TE71	Antelope Reservoir	532,691	736,211	6923	650	9/12/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TE72	Antelope Reservoir	532,791	736,105	6924	650	9/18/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TE73	Antelope Reservoir	532,902	736,216	6926	650	9/15/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TE89	Antelope Reservoir	532,895	736,202	6926	650	9/12/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT27	Antelope Reservoir	532,993	736,379	6929	650	9/18/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT61	Antelope Reservoir	535,014	744,603	6939	650	9/13/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT146	Antelope Reservoir	532,967	736,309	6929	650	9/11/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT147	Antelope Reservoir	532,918	736,308	6927	580	9/12/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT148	Antelope Reservoir	532,918	736,298	6927	580	9/13/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT149	Antelope Reservoir	532,866	736,306	6925	650	Sept 18, 19	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006
TT156	Antelope Reservoir	532,918	736,287	6927	560	9/15/2006	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	Same as Above	12/21/2006