

UIC- I - 008-0

WDW-3

**ANNUAL
REPORTS**

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, July 01, 2011 8:48 AM
To: 'Lackey, Johnny'; 'Moore, Darrell'
Cc: Sanchez, Daniel J., EMNRD; Dade, Randy, EMNRD
Subject: FW: UICI-8 MIT Explanation Due
Attachments: UICI-8 MIT Explanation Due

Johnny and Darrell:

Good morning. The OCD has not received a response to its request for a signed PE opinion on the anomalous differential annulus pressures occurring in WDWs 1, 2 and 3. At the /31 meeting in Santa Fe OCD requested this information by COB on 6/10. Was this sent? If not, when can Navajo Refining Company have its down hole PE Expert provide an opinion for OCD review?

Also, OCD requested a response to the annual Fall-Off Test (FOT) performed in 2010 related to your request for a reduced FOT schedule for the aforementioned WDWs. The response was expected by 6/30 or early July 2011 (5/31 Mtg. in Santa Fe). When can OCD expect to receive this?

Please contact me if you have questions. Thank you.

File: OCD Online WDWs "Annual Report" and "FOT" Thumbnails

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
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"Why not Prevent Pollution; Minimize Waste; Reduce the Cost of Operations; & Move Forward with the Rest of the Nation?" To see how, go to "Pollution Prevention & Waste Minimization" at:
<http://www.emnrd.state.nm.us/ocd/environmental.htm#environmental>)

Chavez, Carl J, EMNRD

Subject: UICI-8 MIT Explanation Due
Location: Office

Start: Fri 6/10/2011 4:00 PM
End: Fri 6/10/2011 4:30 PM

Recurrence: (none)

Organizer: Chavez, Carl J, EMNRD

OCD requested PE explanation for variation in annulus pressure in WDWs 1, 2 & 3 due by today that would explain why OCD should not consider wells failing MIT.

Mr. Carl Chavez
NM Oil Conservation Division
Environmental Bureau
1220 S. St. Francis
Santa Fe, NM 87505-5472

505-416-3490

RECEIVED 000

ZOL FCB - 2 P 1:14

**ANNUAL CLASS 1 WELL REPORT
NAVAJO REFINING COMPANY, LLC**
Permit Numbers UICCL1-008, UICCLI-008-0, UICCL1-008-1
API No. 30-015-27592 (008), 30-015-20894 (008-0) and 30-015-26575 (008-01)

January 31, 2011

Darrell Moore
Environmental Manager for Water and Waste

Navajo Refining Company, LLC

2011 FEB -2 P 1114
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EXECUTIVE SUMMARY

Navajo Refining Company, LLC (Navajo) operates three class 1 wells in Eddy County NM. These wells are used to dispose wastewater from our refinery in Artesia, NM. Daily, Navajo sends approximately 16,000 bbls total of wastewater down these three wells with the volume to each well determined by its ability to take water. During 2010, there was no major work on any of the wells. We did perform fall-off tests on each well along with the annual MIT's which will both be discussed later in this report. There has been an issue with the WAMS (Water Annulus Measuring System) unit on WDW-3 in that there seems to be a very small leak of ethylene glycol from this unit somewhere downhole. However, there has been no loss of fluid during the last two quarters of 2010. Navajo has worked with OCD to come up with a plan for monitoring this leak. That plan will be discussed later in this report. We also have had several leaks on the pipeline that takes the effluent to the wells. Navajo is laying a new fiberglass pipeline to the wells so that the current line can be taken out of service.

VOLUMES

During 2010, a total of 5,734,166 bbls of wastewater were pumped down the three wells total. This is broken down as follows: WDW-1 1,625,608 bbls, WDW-2 1,747,643 bbls, and WDW-3 2,360,915 bbls.

WDW-1 and WDW-2 were put into operation in 1998. Since that time, a total of 29,272,663 bbls have been injected into WDW-1 and a total of 15,872,314 bbls have been injected into WDW-2. WDW-3 was put online in 2007. In that time, a total of 6,920,236 bbls have been injected into this well.

Total fluids injected into all three wells at the end of 2010 is 52,065,213 bbls. I have attached a spreadsheet (Fig 1) that shows all values for all three wells.

The **average injection pressure** into WDW-1 for 2010 was 597 psi., for WDW-2 it was 605 psi., and for WDW-3 it was 614 psi. The pressures have steadily increased, making it harder to inject into the wells. We have scheduled an acid job on each well that will start on February 7, 2011. This should alleviate the pressures on each well.

The **maximum injection pressure** into WDW-1 for 2010 was 688 psi, for WDW-2 was 625 psi., and for WDW-3 it was 637 psi. All of these pressures are well below the maximum permitted pressure for each well.

CHEMICAL ANALYSIS

FIGURE 1
2010 SUMMARY OF QUARTERLY MONTHLY INJECTION PRESSURES, RATES, AND VOLUMES

	Average Pressure (psig)	Maximum Pressure (psig)	Minimum Pressure (psig)	Average Flow (gpm)	Maximum Flow (gpm)	Minimum Flow (gpm)	Average Annular Pressure (psig)	Maximum Annular Pressure (psig)	Minimum Annular Pressure (psig)	Average Volume (bpd)	Maximum Volume (bpd)	Minimum Volume (bpd)	Total Cumulative Volume (barrels)	Previous Year
WDW-1														
1st Jan-10	597	688	569	149	274	131	169	268	46	5,108	9,401	4,478	27,647,056	27,805,389
2nd Feb-10	582	627	429	134	145	109	206	407	99	4,578	4,971	3,737	27,933,584	27,933,584
3rd Mar-10	605	636	582	131	135	125	414	528	271	4,492	4,638	4,286	28,072,838	28,072,838
4th Apr-10	605	653	517	127	135	112	343	535	203	4,364	4,611	3,846	28,208,117	28,208,117
5th May-10	548	659	366	130	139	111	462	592	245	4,472	4,749	3,792	28,346,751	28,346,751
6th Jun-10	532	622	297	131	136	126	315	456	214	4,493	4,661	4,303	28,481,528	28,481,528
7th Jul-10	615	765	367	129	136	98	349	585	182	4,412	4,668	3,348	28,618,296	28,618,296
8th Aug-10	644	766	352	130	133	125	313	576	255	4,442	4,554	4,293	28,755,991	28,755,991
9th Sep-10	691	691	691	130	130	130	425	425	425	4,460	4,460	4,460	28,889,783	28,889,783
10th Oct-10	684	777	628	128	142	124	242	366	77	4,385	4,885	4,263	29,025,724	29,025,724
11th Nov-10	641	693	280	121	129	76	137	286	15	4,140	4,430	2,616	29,149,917	29,149,917
12th Dec-10	634	748	283	115	140	71	420	650	209	3,960	4,814	2,431	29,272,663	29,272,663
All 2009	615	777	280	130	274	71	316	650	15	4,442	9,401	2,431	1,925,608	2,922,663
WDW-2														
1st Jan-10	605	625	560	149	153	142	210	346	128	5,122	5,252	4,892	14,124,671	14,124,671
2nd Feb-10	568	625	442	145	149	130	346	530	257	4,963	5,097	4,465	14,283,448	14,283,448
3rd Mar-10	625	650	588	145	153	142	499	616	360	4,988	5,240	4,857	14,462,416	14,462,416
4th Apr-10	624	672	502	142	145	128	442	632	251	4,854	4,986	4,404	14,577,051	14,577,051
5th May-10	660	926	523	135	142	123	396	551	252	4,630	4,866	4,227	14,524	14,524
6th Jun-10	648	668	563	138	143	135	322	537	124	4,735	4,889	4,625	14,871,056	14,871,056
7th Jul-10	647	679	401	138	143	116	570	744	159	4,719	4,886	4,360	14,920,533	14,920,533
8th Aug-10	688	709	661	140	141	138	387	608	182	4,785	4,824	4,736	14,938,388	14,938,388
9th Sep-10	684	795	469	139	150	118	349	727	197	4,753	5,153	4,060	14,272,727	14,272,727
10th Oct-10	639	713	150	136	141	98	482	780	175	4,660	4,843	3,368	14,414,747	14,414,747
11th Nov-10	628	707	279	133	138	96	291	576	130	4,565	4,733	3,300	136,954	136,954
12th Dec-10	591	683	293	133	142	105	503	728	267	4,545	4,852	3,601	140,898	140,898
All 2009	634	926	150	139	153	96	400	780	124	4,776	5,252	3,300	1747,643	15,872,314
WDW-3														
1st Jan-10	614	637	572	199	208	183	262	357	223	6,828	7,120	6,275	211,672	211,672
2nd Feb-10	587	639	422	200	212	170	320	403	251	6,871	7,275	6,834	192,376	192,376
3rd Mar-10	633	657	570	209	217	187	379	529	236	7,171	7,446	6,406	193,368	193,368
4th Apr-10	635	668	507	204	217	184	371	538	263	7,004	7,452	6,314	195,671	195,671
5th May-10	620	688	460	169	195	128	324	448	253	5,807	6,678	4,374	217,122	217,122
6th Jun-10	655	679	596	179	187	154	338	435	251	6,139	6,402	5,287	184,185	184,185
7th Jul-10	657	705	366	179	189	159	323	460	104	6,126	6,490	5,484	189,917	189,917
8th Aug-10	694	712	678	179	182	174	304	412	194	6,144	6,523	5,864	190,453	190,453
9th Sep-10	663	727	279	179	189	168	284	427	9	6,154	6,497	5,764	184,619	184,619
10th Oct-10	687	790	275	189	211	161	238	424	10	6,490	7,248	5,516	201,178	201,178
11th Nov-10	666	724	284	186	193	180	227	356	137	6,363	6,627	6,167	150,880	150,880
12th Dec-10	630	696	195	194	196	135	338	624	197	6,329	6,660	6,660	196,195	196,195
All 2009	645	790	275	188	217	128	311	624	9	6,452	7,452	4,374	2,380,915	6,920,236
Total Injected fluids:													54,065,213	

Included in this report are the analysis from the four quarterly sampling events that we do every year. (Attachment 1) There are no results in this years samples that would raise a concern. The TDS results show a steady rise throughout the year but then drop dramatically in the last quarter due to improved waste water management.

MECHANICAL INTEGRITY TESTS

Navajo performed Mechanical Integrity Tests (MIT's) on all three of our wells during 2010. Since we had some issues with WDW-3 concerning the WAMS unit, OCD requested that we run an MIT on the well in June, 2010. That was done on June 30, 2010 and showed the well had good integrity. There were no leaks. We also did a bradenhead test on the same date, June 30, 2010, and found no pressure on any of the bradenheads. The quarterly bradenheads were done on September 14, 2010 and December 16, 2010. These also showed no pressure buildup on either bradenhead. Those test sheets are included in this report. On August 12, 2010 we ran MIT's on the other two wells and found no issues with either one. OCD was notified of these tests but no representative attended. A hot oil unit from O K Hot Oil pressured the wells up and provided a calibrated chart. In all three instances, the wells were pressured up for 30 minutes at about 500 psi. All three wells were well within OCD's guidelines of 10% loss/gain during the 30 minute duration of the test.

There has been an issue with the WAMS unit on WDW-3. On August 19, 2009, Navajo officially notified OCD that there was a failure in the WAMS unit. A very small amount of annulus fluid had leaked out. There were no above ground leaks so it was assumed that the leak had to be underground. The problem is that the leak is so small, identifying it is almost impossible. For reference, the well passed the annual MIT. On December 4, 2009, OCD issued its "path forward" for this well. This included: 1)Quarterly Bradenhead monitoring to coincide with the annual MIT, 2) Continued WAMS fluid monitoring. The OCD then wrote a "minor modification" to Section 22(E) of the Discharge Permit for WDW-3 to require that "Bradenhead test(s) shall be performed quarterly to coincide with the annual casing-tubing annulus test." The quarterly bradenheads were done on June 30, 2010, September 14, 2010 and December 16, 2010. These also showed no pressure buildup on either bradenhead. Those test sheets are included in this report.

The 2010 Quarterly Weekly WAMS Level Table is also included in Attachment 2. This spreadsheet shows the volume of liquid in gallons in the tanks on each well's WAMS unit. It also shows when any fluid has been added to any tank.. For the Third and Fourth Quarters, WDW-3 has held constant with regards to the fluid in the WAMS tank. Although fluid was added on 12/28/10, this was NOT in response to any significant loss of fluid. Just a routine maintenance procedure.

FALL OFF TESTS AND AREA OF REVIEW

In 2010, we also performed Fall Off tests on each well. The falloff testing was done according to a test plan that was submitted to and approved by OCD. The falloff testing results show that all three wells are in communication with each other and the permit parameters for the three wells remain conservative. It is recommended that because the wells are in communication, that in future years Navajo be allowed to perform falloff tests on each well every third year instead of all three wells annually. Testing all three wells annually is unnecessary. Further, when testing a well, once radial flow is reached, the test should be considered complete. Monitoring a well that has “flatlined” adds unnecessary “noise” to any set of data without giving anything that is useful.

In conjunction with our falloff testing, an area of review (AOR) was done to document well changes within a one-mile radius of the three wells. This current update includes all existing wells within the AOR and any changes that have occurred to these wells since 2009.

No new fresh water wells were reported within the search area. There were five new wells drilled in the AOR of which none penetrated any injection zone of Navajo’s three wells. The owner had changed on six (6) wells. Thirteen (13) wells had been plugged and abandoned. Three (3) wells had been placed into temporary abandoned classification. Three (3) wells were found that had been recompleted in an upper interval. All plugged and abandoned wells were successfully isolated from Navajo’s injection interval according to current OCD records.

FACILITY TRAINING

Annual training for the operation of the injection wells is done by the environmental department of Navajo. The annual training was done on December 13, 2010. Attached, (Attachment 3) is the sign in sheet along with an outline of the subjects covered during the training.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant

penalties for submitting false information including the possibility of fine or imprisonment.

A handwritten signature in black ink, appearing to read "Michael Whatley", is written over a horizontal line.

Michael Whatley, Vice President and Refinery Manager

**ATTACHMENT 1
CHEMICAL ANALYSIS**

ATTACHMENT 1
CHEMICAL ANALYSIS

ALS Laboratory Group

Date: 09-Mar-10

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj Well
Collection Date: 2/25/2010 09:37 AM

Work Order: 1002802
Lab ID: 1002802-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	3/2/2010 02:48 PM
METALS			SW6020			
Aluminum	0.587		0.0100	mg/L	1	3/2/2010 01:44 PM
Arsenic	0.0502		0.00500	mg/L	1	3/1/2010 10:20 PM
Barium	0.0243		0.00500	mg/L	1	3/1/2010 10:20 PM
Beryllium	ND		0.00200	mg/L	1	3/2/2010 01:44 PM
Boron	0.159		0.0200	mg/L	1	3/2/2010 01:44 PM
Cadmium	ND		0.00200	mg/L	1	3/1/2010 10:20 PM
Calcium	151		0.500	mg/L	1	3/1/2010 10:20 PM
Chromium	ND		0.00500	mg/L	1	3/1/2010 10:20 PM
Cobalt	ND		0.00500	mg/L	1	3/1/2010 10:20 PM
Copper	ND		0.00500	mg/L	1	3/1/2010 10:20 PM
Iron	0.658		0.200	mg/L	1	3/1/2010 10:20 PM
Lead	ND		0.00500	mg/L	1	3/1/2010 10:20 PM
Magnesium	36.4		0.200	mg/L	1	3/1/2010 10:20 PM
Manganese	0.285		0.00500	mg/L	1	3/1/2010 10:20 PM
Molybdenum	0.143		0.00500	mg/L	1	3/1/2010 10:20 PM
Nickel	0.0109		0.00500	mg/L	1	3/1/2010 10:20 PM
Potassium	80.5		0.200	mg/L	1	3/1/2010 10:20 PM
Selenium	0.189		0.00500	mg/L	1	3/1/2010 10:20 PM
Silver	ND		0.00500	mg/L	1	3/1/2010 10:20 PM
Sodium	970		10.0	mg/L	50	3/2/2010 01:39 PM
Vanadium	ND		0.00500	mg/L	1	3/1/2010 10:20 PM
Zinc	1.60		0.00500	mg/L	1	3/1/2010 10:20 PM
SEMIVOLATILES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
2-Methylphenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
2-Nitroaniline	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
2-Nitrophenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
3-Nitroaniline	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
4-Nitroaniline	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
4-Nitrophenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Acenaphthene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Acenaphthylene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 09-Mar-10

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj Well
Collection Date: 2/25/2010 09:37 AM

Work Order: 1002802
Lab ID: 1002802-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Anthracene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Benzidine	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Hexachloroethane	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Isophorone	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Naphthalene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Nitrobenzene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Pentachlorophenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Phenanthrene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Phenol	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
Pyrene	ND		0.0050	mg/L	1	3/3/2010 06:15 PM
<i>Surr: 2,4,6-Tribromophenol</i>	85.8		42-124	%REC	1	3/3/2010 06:15 PM
<i>Surr: 2-Fluorobiphenyl</i>	97.5		48-120	%REC	1	3/3/2010 06:15 PM
<i>Surr: 2-Fluorophenol</i>	86.0		20-120	%REC	1	3/3/2010 06:15 PM
<i>Surr: 4-Terphenyl-d14</i>	81.2		51-135	%REC	1	3/3/2010 06:15 PM
<i>Surr: Nitrobenzene-d5</i>	74.6		41-120	%REC	1	3/3/2010 06:15 PM
<i>Surr: Phenol-d6</i>	80.9		20-120	%REC	1	3/3/2010 06:15 PM
VOLATILES			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
2-Butanone	ND		0.010	mg/L	1	3/1/2010 01:48 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	3/1/2010 01:48 PM
2-Hexanone	ND		0.010	mg/L	1	3/1/2010 01:48 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	3/1/2010 01:48 PM
Acetone	0.015		0.010	mg/L	1	3/1/2010 01:48 PM
Benzene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Bromodichloromethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Bromoform	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Bromomethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Carbon disulfide	ND		0.010	mg/L	1	3/1/2010 01:48 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	3/1/2010 01:48 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 09-Mar-10

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj Well
Collection Date: 2/25/2010 09:37 AM

Work Order: 1002802

Lab ID: 1002802-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Chloroethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Chloroform	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Chloromethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Dibromochloromethane	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Ethylbenzene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
m,p-Xylene	ND		0.010	mg/L	1	3/1/2010 01:48 PM
Methylene chloride	ND		0.010	mg/L	1	3/1/2010 01:48 PM
Styrene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Tetrachloroethene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Toluene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Trichloroethene	ND		0.0050	mg/L	1	3/1/2010 01:48 PM
Vinyl acetate	ND		0.010	mg/L	1	3/1/2010 01:48 PM
Vinyl chloride	ND		0.0020	mg/L	1	3/1/2010 01:48 PM
Xylenes, Total	ND		0.015	mg/L	1	3/1/2010 01:48 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.7		70-125	%REC	1	3/1/2010 01:48 PM
<i>Surr: 4-Bromofluorobenzene</i>	93.7		72-125	%REC	1	3/1/2010 01:48 PM
<i>Surr: Dibromofluoromethane</i>	99.6		71-125	%REC	1	3/1/2010 01:48 PM
<i>Surr: Toluene-d8</i>	93.7		75-125	%REC	1	3/1/2010 01:48 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	3/2/2010
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	3/2/2010
ANIONS			E300			Analyst: JBA
Chloride	327		25.0	mg/L	50	2/28/2010 07:52 PM
Fluoride	15.2		0.100	mg/L	1	2/28/2010 04:24 AM
Sulfate	2,470		25.0	mg/L	50	2/28/2010 07:52 PM
<i>Surr: Selenate (surr)</i>	87.3		85-115	%REC	50	2/28/2010 07:52 PM
<i>Surr: Selenite (surr)</i>	102		85-115	%REC	1	2/28/2010 04:24 AM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	56.7		5.00	mg/L	1	3/4/2010 12:00 PM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	3/4/2010 12:00 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	3/4/2010 12:00 PM
Alkalinity, Total (As CaCO ₃)	56.7		5.00	mg/L	1	3/4/2010 12:00 PM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: TDW
Specific Conductivity	6,050		1.00	μmhos/cm	1	3/8/2010 02:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 09-Mar-10

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj Well
Collection Date: 2/25/2010 09:37 AM

Work Order: 1002802
Lab ID: 1002802-01
Matrix: WATER

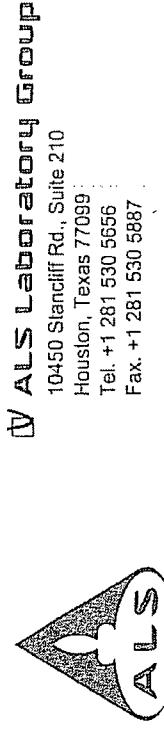
Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
IGNITIBILITY Ignitability	>212		SW1010 50.0 °F		1	Analyst: JLC 3/1/2010
PH pH	7.15	H	SM4500H+ B 0.100 pH units		1	Analyst: JLC 3/1/2010
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	4,200		M2540C 10.0 mg/L		1	Analyst: TDW 3/2/2010 05:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group**Date:** 03-Mar-10**Client:** ALS Laboratory Group**Project:** 1002802**Sample ID:** 1002802-01F**Collection Date:** 2/25/2010 09:37 AM**Work Order:** 1003056**Lab ID:** 1003056-01**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: EE 3/2/2010
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Analyst: EE 3/2/2010

Note: See Qualifiers page for a list of qualifiers and their definitions.



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Page 1 of 1

Customer Information		Project Information										Parameter/Method Request for Analysis										
Purchase Order	Project Name	Injection Well Character		A		VOC (0.760) Select																
Work Order	Project Number	B		SVOC (0.20) Select																		
Company Name	Bill To Company	C		Total Metals (60.207.00) Select																		
Send Report To	Invoice Attn	D		ROI Profile																		
City/State/Zip	PC Box 155	E		Actions (30) Ch. Std.																		
Address	Address	F		Availability																		
Phone	(515) 746-5766	G		PH																		
Fax	(515) 746-5421	H		Conductivity																		
e-Mail Address	e-Mail Address	I		TDS																		
No.	Sample Description	Date:	Time:	Pres:	# Bottles	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Hold
1	Tnj Well	2/29/10	D937	h	Y	q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Temp Blank																					
3	Trifl Blank																					
4																						
5																						
6																						
7																						
8																						
9																						
10																						
Sampler(s) Please Print & Sign <i>Aaron Strang</i>		Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:		Cooler Temp:																
Relinquished by: <i>Aaron Strang</i>		Date:	Time:	Received by Laboratory	Received by Cooler																	
Logged by (Laboratory): <i>Ed Ex</i>		Date:	Time:	Chlected by (Laboratory):																		
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₃ 7-Other		Date:	Time:	Chlected by (Laboratory):																		
Notes:																						

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ALS Laboratory Group

Date: 07-Jun-10

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 5/19/2010 08:16 AM

Work Order: 1005694
Lab ID: 1005694-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	5/28/2010 02:09 PM
METALS			SW6020			
Aluminum	0.132		0.0200	mg/L	2	6/5/2010 02:42 PM
Arsenic	0.0700		0.00500	mg/L	1	6/5/2010 02:31 AM
Barium	0.0235		0.0100	mg/L	2	6/5/2010 02:42 PM
Beryllium	ND		0.00200	mg/L	1	6/5/2010 02:31 AM
Boron	0.164		0.0400	mg/L	2	6/7/2010 02:38 PM
Cadmium	ND		0.00400	mg/L	2	6/5/2010 02:42 PM
Calcium	175		10.0	mg/L	20	6/5/2010 02:25 AM
Chromium	ND		0.00500	mg/L	1	6/5/2010 02:31 AM
Cobalt	ND		0.00500	mg/L	1	6/5/2010 02:31 AM
Copper	ND		0.00500	mg/L	1	6/5/2010 02:31 AM
Iron	0.545		0.400	mg/L	2	6/5/2010 02:42 PM
Lead	ND		0.0100	mg/L	2	6/5/2010 02:42 PM
Magnesium	53.6		4.00	mg/L	20	6/5/2010 02:25 AM
Manganese	0.0446		0.00500	mg/L	1	6/5/2010 02:31 AM
Molybdenum	0.114		0.0100	mg/L	2	6/5/2010 02:42 PM
Nickel	0.0136		0.0100	mg/L	2	6/5/2010 02:42 PM
Potassium	9.45		0.400	mg/L	2	6/5/2010 02:42 PM
Selenium	0.407		0.00500	mg/L	1	6/5/2010 02:31 AM
Silver	ND		0.0100	mg/L	2	6/5/2010 02:42 PM
Sodium	1,210		4.00	mg/L	20	6/5/2010 02:25 AM
Vanadium	0.0196		0.00500	mg/L	1	6/5/2010 02:31 AM
Zinc	1.92		0.100	mg/L	20	6/5/2010 02:25 AM
SEMIVOLATILES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
2-Methylphenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
2-Nitroaniline	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
2-Nitrophenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
3-Nitroaniline	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
4-Nitroaniline	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
4-Nitrophenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Acenaphthene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Acenaphthylene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 07-Jun-10

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 5/19/2010 08:16 AM

Work Order: 1005694
Lab ID: 1005694-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Anthracene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Benzidine	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Hexachloroethane	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Isophorone	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Naphthalene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Nitrobenzene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Pentachlorophenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Phenanthrene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Phenol	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Pyrene	ND		0.0050	mg/L	1	6/3/2010 09:50 PM
Surr: 2,4,6-Tribromophenol	81.7		42-124	%REC	1	6/3/2010 09:50 PM
Surr: 2-Fluorobiphenyl	77.6		48-120	%REC	1	6/3/2010 09:50 PM
Surr: 2-Fluorophenol	63.6		20-120	%REC	1	6/3/2010 09:50 PM
Surr: 4-Terphenyl-d14	77.8		51-135	%REC	1	6/3/2010 09:50 PM
Surr: Nitrobenzene-d5	65.7		41-120	%REC	1	6/3/2010 09:50 PM
Surr: Phenol-d6	61.1		20-120	%REC	1	6/3/2010 09:50 PM
VOLATILES						
			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
2-Butanone	ND		0.010	mg/L	1	5/29/2010 04:39 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	5/29/2010 04:39 PM
2-Hexanone	ND		0.010	mg/L	1	5/29/2010 04:39 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	5/29/2010 04:39 PM
Acetone	0.031		0.010	mg/L	1	5/29/2010 04:39 PM
Benzene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Bromodichloromethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Bromoform	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Bromomethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Carbon disulfide	ND		0.010	mg/L	1	5/29/2010 04:39 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	5/29/2010 04:39 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 07-Jun-10

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 5/19/2010 08:16 AM

Work Order: 1005694
Lab ID: 1005694-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Chloroethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Chloroform	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Chloromethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Dibromochloromethane	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Ethylbenzene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
m,p-Xylene	ND		0.010	mg/L	1	5/29/2010 04:39 PM
Methylene chloride	ND		0.010	mg/L	1	5/29/2010 04:39 PM
Styrene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Tetrachloroethene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Toluene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Trichloroethene	ND		0.0050	mg/L	1	5/29/2010 04:39 PM
Vinyl acetate	ND		0.010	mg/L	1	5/29/2010 04:39 PM
Vinyl chloride	ND		0.0020	mg/L	1	5/29/2010 04:39 PM
Xylenes, Total	ND		0.015	mg/L	1	5/29/2010 04:39 PM
Surr: 1,2-Dichloroethane-d4	82.5		70-125	%REC	1	5/29/2010 04:39 PM
Surr: 4-Bromofluorobenzene	86.0		72-125	%REC	1	5/29/2010 04:39 PM
Surr: Dibromofluoromethane	89.7		71-125	%REC	1	5/29/2010 04:39 PM
Surr: Toluene-d8	91.7		75-125	%REC	1	5/29/2010 04:39 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	5/27/2010
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	5/27/2010
ANIONS			E300			Analyst: IGF
Chloride	308		25.0	mg/L	50	6/2/2010 10:16 AM
Sulfate	3,510		25.0	mg/L	50	6/2/2010 10:16 AM
Surr: Selenate (surr)	87.0		85-115	%REC	50	6/2/2010 10:16 AM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	312		5.00	mg/L	1	5/24/2010 06:00 PM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	5/24/2010 06:00 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	5/24/2010 06:00 PM
Alkalinity, Total (As CaCO ₃)	312		5.00	mg/L	1	5/24/2010 06:00 PM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: IGF
Specific Conductivity	7,240		1.00	μmhos/cm	1	6/2/2010 06:40 PM
IGNITIBILITY			SW1010			Analyst: JLC

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group**Date:** 07-Jun-10

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 5/19/2010 08:16 AM

Work Order: 1005694
Lab ID: 1005694-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ignitability	> 212		50.0	°F	1	5/26/2010 11:00 AM
PH			SM4500H+ B			Analyst: JLC
pH	7.29	H	0.100	pH units	1	5/21/2010
TOTAL DISSOLVED SOLIDS			M2540C			Analyst: TDW
Total Dissolved Solids (Residue, Filterable)	5,900		10.0	mg/L	1	5/25/2010 05:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

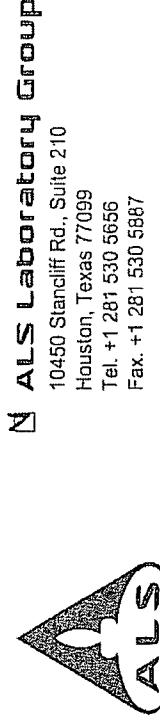
ALS Laboratory Group

Date: 01-Jun-10

Client: ALS Laboratory Group**Project:** 1005694**Sample ID:** 1005694-01F**Collection Date:** 5/19/2010 08:16 AM**Work Order:** 1005516**Lab ID:** 1005516-01**Matrix:** LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: EE 5/27/2010
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Analyst: EE 5/27/2010

Note: See Qualifiers page for a list of qualifiers and their definitions.



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Page 1 of 1

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order#	Project Name	Injection Well Quarterly	A	• VOC (8260) Select											
Work Order#	Project Number	PO Box 159	B	• SVOC (8270) Select											
Company Name	Bill To Company	Navajo Refining Company	C	• Total Metals (6020/7000) Select											
Send Report To	Invoice Attn	Aaron Strange	D	• RCI Profile											
City/State/Zip	City/State/Zip	Artesia, NM 88211	E	• Anions (300) Cl, SCN ⁻											
Phone	Phone	(575) 748-3311	F	• Alkalinity											
Fax	Fax	(575) 746-5451	G	• pH											
E-Mail Address	e-Mail Address	(575) 746-5442	H	• Conductivity											
No.	Sample Description	Date	I	• TDS											
1	Inj. Well Trip Blanks	5-19-10 0816	J												
2		L													
3		Y													
4		9													
5		X													
6		X													
7		X													
8		X													
9		X													
10		X													
Sampler(s) Please Print & Sign:		Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:											
<i>Aaron Strange</i>		Fed Ex	<input checked="" type="checkbox"/> 1 Day	<input checked="" type="checkbox"/> 7 Days											
Distinguished by:		Date:	Time:	Cooler ID:											
<i>Aaron Strange</i>		5-19-10	1615	Received by: <u>5/21/10</u>											
Reinforced by:		Date:	Time:	Received by (Laboratory): <u>FCM</u>											
		Date:	Time:	Checked by (Laboratory):											
Preservative Key: 1-HCl, 2-HNO ₃ , 3-Na ₂ SO ₄ , 4-NaOH, 5-Na ₂ O ₇ , 6-NaHSO ₃ , 7-Other		Date:	Time:	QC Package: (Check One Box Below)											
		Date:	Time:	<input checked="" type="checkbox"/> Turnaround											
		Date:	Time:	<input checked="" type="checkbox"/> Level II Std QC											
		Date:	Time:	<input checked="" type="checkbox"/> Level II Std QC/Raw Data											
		Date:	Time:	<input checked="" type="checkbox"/> Turnaround											
		Date:	Time:	<input checked="" type="checkbox"/> Level IV SWARA/CLP											
		Date:	Time:	<input checked="" type="checkbox"/> Other											

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ALS Environmental

Date: 25-Aug-10

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: Inj Well
Collection Date: 8/11/2010 12:40 PM

Work Order: 1008405
Lab ID: 1008405-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	Prep Date: 8/19/2010 Analyst: JCJ 8/19/2010 03:13 PM
METALS			SW6020			Prep Date: 8/13/2010 Analyst: ALR
Aluminum	0.158		0.0500	mg/L	5	8/14/2010 11:59 AM
Arsenic	0.0393		0.00500	mg/L	1	8/14/2010 05:12 AM
Barium	0.0218		0.00500	mg/L	1	8/14/2010 05:12 AM
Beryllium	ND		0.00200	mg/L	1	8/14/2010 05:12 AM
Boron	0.145		0.0200	mg/L	1	8/14/2010 05:12 AM
Cadmium	ND		0.00200	mg/L	1	8/14/2010 05:12 AM
Calcium	127		0.500	mg/L	1	8/14/2010 05:12 AM
Chromium	ND		0.00500	mg/L	1	8/14/2010 05:12 AM
Cobalt	ND		0.00500	mg/L	1	8/14/2010 05:12 AM
Copper	ND		0.00500	mg/L	1	8/14/2010 05:12 AM
Iron	0.387		0.200	mg/L	1	8/14/2010 05:12 AM
Lead	ND		0.00500	mg/L	1	8/14/2010 05:12 AM
Magnesium	39.0		0.200	mg/L	1	8/14/2010 05:12 AM
Manganese	0.0706		0.00500	mg/L	1	8/14/2010 05:12 AM
Molybdenum	0.120		0.00500	mg/L	1	8/14/2010 05:12 AM
Nickel	0.0106		0.00500	mg/L	1	8/14/2010 05:12 AM
Potassium	50.7		0.200	mg/L	1	8/14/2010 05:12 AM
Selenium	0.292		0.00500	mg/L	1	8/14/2010 05:12 AM
Silver	ND		0.00500	mg/L	1	8/14/2010 05:12 AM
Sodium	683		1.00	mg/L	5	8/14/2010 11:59 AM
Vanadium	ND		0.00500	mg/L	1	8/14/2010 05:12 AM
Zinc	1.30		0.00500	mg/L	1	8/14/2010 05:12 AM
SEMIVOLATILES			SW8270			Prep Date: 8/13/2010 Analyst: KMB
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
2-Methylphenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
2-Nitroaniline	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
2-Nitrophenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
3-Nitroaniline	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
4-Nitroaniline	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
4-Nitrophenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Acenaphthene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Acenaphthylene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 25-Aug-10

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: Inj Well
Collection Date: 8/11/2010 12:40 PM

Work Order: 1008405
Lab ID: 1008405-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Anthracene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Benzidine	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Hexachloroethane	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Isophorone	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Naphthalene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Nitrobenzene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Pentachlorophenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Phenanthrene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Phenol	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
Pyrene	ND		0.0050	mg/L	1	8/16/2010 03:00 PM
<i>Surr: 2,4,6-Tribromophenol</i>	75.6		42-124	%REC	1	8/16/2010 03:00 PM
<i>Surr: 2-Fluorobiphenyl</i>	69.7		48-120	%REC	1	8/16/2010 03:00 PM
<i>Surr: 2-Fluorophenol</i>	53.7		20-120	%REC	1	8/16/2010 03:00 PM
<i>Surr: 4-Terphenyl-d14</i>	63.3		51-135	%REC	1	8/16/2010 03:00 PM
<i>Surr: Nitrobenzene-d5</i>	66.8		41-120	%REC	1	8/16/2010 03:00 PM
<i>Surr: Phenol-d6</i>	54.8		20-120	%REC	1	8/16/2010 03:00 PM
VOLATILES						
			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
2-Butanone	ND		0.010	mg/L	1	8/22/2010 02:58 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	8/22/2010 02:58 PM
2-Hexanone	ND		0.010	mg/L	1	8/22/2010 02:58 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	8/22/2010 02:58 PM
Acetone	0.016		0.010	mg/L	1	8/22/2010 02:58 PM
Benzene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Bromodichloromethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Bromoform	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Bromomethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Carbon disulfide	ND		0.010	mg/L	1	8/22/2010 02:58 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	8/22/2010 02:58 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental
Date: 25-Aug-10

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Inj Well

Collection Date: 8/11/2010 12:40 PM

Work Order: 1008405

Lab ID: 1008405-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Chloroethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Chloroform	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Chloromethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Dibromochloromethane	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Ethylbenzene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
m,p-Xylene	0.011		0.010	mg/L	1	8/22/2010 02:58 PM
Methylene chloride	ND		0.010	mg/L	1	8/22/2010 02:58 PM
Styrene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Tetrachloroethene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Toluene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Trichloroethene	ND		0.0050	mg/L	1	8/22/2010 02:58 PM
Vinyl acetate	ND		0.010	mg/L	1	8/22/2010 02:58 PM
Vinyl chloride	ND		0.0020	mg/L	1	8/22/2010 02:58 PM
Xylenes, Total	ND		0.015	mg/L	1	8/22/2010 02:58 PM
Surr: 1,2-Dichloroethane-d4	105		70-125	%REC	1	8/22/2010 02:58 PM
Surr: 4-Bromofluorobenzene	104		72-125	%REC	1	8/22/2010 02:58 PM
Surr: Dibromofluoromethane	106		71-125	%REC	1	8/22/2010 02:58 PM
Surr: Toluene-d8	112		75-125	%REC	1	8/22/2010 02:58 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	Neg		40.0	mg/Kg	1	8/19/2010 12:30 PM
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	Neg		40.0	mg/Kg	1	8/19/2010 12:30 PM
ANIONS			E300			Analyst: DM
Chloride	195		5.00	mg/L	10	8/18/2010 04:42 PM
Sulfate	1,580		50.0	mg/L	100	8/18/2010 04:57 PM
Surr: Selenate (surr)	104		85-115	%REC	1	8/12/2010 06:26 PM
Surr: Selenate (surr)	93.9		85-115	%REC	100	8/18/2010 04:57 PM
Surr: Selenate (surr)	98.2		85-115	%REC	10	8/18/2010 04:42 PM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	219		5.00	mg/L	1	8/24/2010 02:00 PM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	8/24/2010 02:00 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	8/24/2010 02:00 PM
Alkalinity, Total (As CaCO ₃)	219		5.00	mg/L	1	8/24/2010 02:00 PM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: TDW
Specific Conductivity	3,860		1.00	μmhos/cm	1	8/19/2010 01:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 25-Aug-10

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 1008405

Sample ID: Inj Well

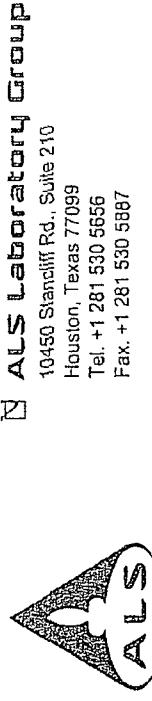
Lab ID: 1008405-01

Collection Date: 8/11/2010 12:40 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PH pH	7.12	H	SM4500H+ B 0.100	pH units	1	Analyst: JLC 8/12/2010
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	7,080		M2540C 10.0	mg/L	1	Analyst: JLC 8/12/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.



Chain of Custody Form

ALS Laboratory Group

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Page 1 of 1

Customer Information		Project Information		Parameter/Method Request for Analysis													
Purchase Order#		Project Name	Injection Well Quarterly	A	VOC (8260) Sealed												
Work Order		Project Number		B	SVOC (8270) Sealed												
Company Name	Hearne Refining Company	Bill To Company	Hearne Refining Company	C	Total Metals (6520700) Sealed												
Send Report To:	Aaron Strangie	Invoice Attn:	Aaron Strangie	D	RCI Profile												
Address	PO Box 450	Address	PO Box 159	E	Actions (540) Cr. 300												
City/State/Zip	Artesia, NM 88214	City/State/Zip	Artesia, NM 88214	F	• Alkalinity												
Phone	(575) 748-3311	Phone	(575) 748-3311	G	pH												
Fax	(575) 748-5451	Fax	(575) 748-5451	H	Conductivity												
E-Mail Address		E-Mail Address		I	TDS												
No.	Sample Description	Date	Turnaround Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Taj Neff	8-11-10	1240	L	Yes	9	X	X	X	X	X	X	K				
2	Tip Blank																
3	Temp Blank																
4																	
5																	
6																	
7																	
8																	
9																	
10																	
Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)												Results Due Date:	
Aaron Strangie		Fed Ex		<input checked="" type="checkbox"/>													
Received by:		Received by (Initials/Signature):															
Reinquished by:																	
Reinquished by:				Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:
Logged by (Laboratory):																	
Preservative Key:																	
3-HNO ₃		4-HCl															
2-H ₂ SO ₄		5-Na ₂ SO ₃															
6-NaHSO ₄		7-OH															

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ALS Environmental

Date: 25-Aug-10

Client: Navajo Refining Company**Project:** Injection Well Quarterly**Work Order:** 1008405**Sample ID:** Inj Well**Lab ID:** 1008405-01**Collection Date:** 8/11/2010 12:40 PM**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PH pH	7.12	H	0.100	pH units	1	Analyst: JLC 8/12/2010
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	7,080		M2540C	10.0 mg/L	1	Analyst: JLC 8/12/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Navajo Refining Company
Project: Injection Well Quarterly
Work Order: 1008405

Case Narrative

The RCI profile consists of Reactive Sulfide, Reactive Cyanide, pH (corrositivity) and Ignitability. All parameters were analyzed for except for Ignitability which was due to an oversight on our part. Ignitability could not be analyzed due to the disposal of the sample prior to the time incident was found.

Reactive Cyanide and Reactive Sulfide was originally reported as ND (non-detect). Per request the result was changed to reflect a 'Neg' (Negative) result.

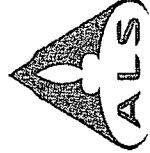
ALS Environmental

Date: 23-Aug-10

Client: ALS Laboratory Group**Project:** 1008405**Sample ID:** 1008405-01E**Collection Date:** 8/11/2010 12:40 PM**Work Order:** 1008331**Lab ID:** 1008331-01**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: EE 8/19/2010 12:30 PM
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Analyst: EE 8/19/2010 12:30 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



Chain of Custody Form

ALS Laboratory Group

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Page _____ of _____

Customer Information		Project Information		Parameter/Method Request for Analysis		ALS Work Order #:	
Purchase Order	Project Name:	Project Number	Bill To Company	Invoice Attn:	Address:	A	VAPOR PRESSURE
Work Order #	Chemical - CERAR BYRD		UNIVAR USA INC.	MARY DAVIS	PO BOX 94889 SEATTLE, WA 98124	B	TRIETHYLENE POLYAMINE
Company Name	UNIVAR USA INC				PHONE 713-644-1661	C	EWOD
Send Report To	KATHRYN HOLLOWAY				FAX 713-641-5423	D	ANALYSIS
Address	777 BRISBANE ST HOUSTON, TX 77061					E	IN SITU ALCOHOL TDC
City/State/Zip						F	
Phone	713-641-9445					G	
Fax	713-641-5423					H	
e-Mail Address	KATHRYN.HOLLOWAY@UNIVAR.COM					I	
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A
1	1592 LARSON RAIL CP-191	08-24-10	0830	Liquid	NIST	4	X
2	PRO SPILL CP-192	08-24-10	1000	Liquid	NIST	1	X
3							
4							
5							
6							
7							
8							
9							
10							
Sampler(s) Print & Sign		Shipment Method		Required Turnaround Time (Check Box)		Results Due Date:	
<i>Johnna Byrd</i>		Date: <u>2/11/10</u> Time: <u>10:00</u>		<input type="checkbox"/> Other <input type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 24 hr <input type="checkbox"/> 24 hr T/A		QC Package: (Check One Box Below)	
Relinquished by:		Received by:		Cooler ID:		Notes:	
<i>Johnna Byrd</i>		Date: <u>2/11/10</u> Time: <u>11:05</u>		Checked by Laboratory:			
Logged by (Laboratory):		Date: <u>2/11/10</u> Time: <u>11:05</u>					
Preservative Key:		1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₃ 7-Other		8-4°C		9:50:55	

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<input type="checkbox"/> Level II Std QC	<input type="checkbox"/> Level III Std QC/Raw Date	<input type="checkbox"/> Level IV SW846/CLP
<input type="checkbox"/> TRAP Checklist	<input type="checkbox"/> TRAP Level IV	<input type="checkbox"/> Other

ALS Environmental**Date:** 10-Nov-10**Client:** Navajo Refining Company**Project:** Injection Well Quarterly**Sample ID:** Injection Well**Collection Date:** 11/9/2010 03:10 PM**Work Order:** 1011354**Lab ID:** 1011354-01**Matrix:** WATER

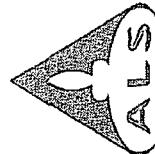
Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
IGNITABILITY Ignitability	> 212		SW1010 50.0 °F		1	Analyst: JLC 11/10/2010 11:00 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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ALS Laboratory Group

Chain of Custody Form



Page 1 of 1

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Holland, MI 49424-9263

Tel: +1 616 399 6070

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Customer Information

Purchase Order		Project Information		ALS Project Manager:		Parameter/Method Request for Analysis	
Work Order:		Project Name:	Injection Well Casing	A	2000-0000000000000000	Igmitability	X
Company Name:	Bethel Refining Company	Bill To Company:	Haynes Refining Company	B	2000-0000000000000000		
Send Report To:	Aaron Strange	Invoice Attn:	Aaron Strange	C	Final Testable (T000700) Sediment		
City/State/Zip:	P.O. Box 150 Artesia, NM 88211	Address:	P.O. Box 450	D	Test Report:		
Phone:	505-748-3344	City/State/Zip:	Artesia, NM 88211	E	Injection Well Casing		
Fax:	505-748-5451	Phone:	505-745-3344	F	Minimizing		
e-Mail Address:	aspoor@SESL.COM	Fax:	505-745-3322	G	NH		
		e-Mail Address:		H	Combustibility		
		e-Mail Address:		I	TDS		
		e-Mail Address:		J			
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	
1	Tn. W211	11-9-10	15:10	L	No	1	X
2	Tear Blank						
3	Trifl Blank						
4							
5							
6							
7							
8							
9							
10							
Sampler(s) Please Print & Sign:		Shipment Method	Required Turnaround Time: Check Box	Results Due Date:			
<i>Aaron Strange</i>		Fed Ex	<input checked="" type="checkbox"/>	11-10-10 09:00			
Relinquished by:	<i>Aaron Strange</i>	Date: 11-9-10	Time: 16:15	Received by:	<i>John Linn FA</i>	Notes:	
Preservative Key:	1-HCl	2-HNO ₃	3-H ₂ SO ₄	4-NaOH	5-Na ₂ SO ₄	6-NaHSO ₄	7-Other: 8-4°C
Logged by (Laboratory):		Date:	Time:	Cooler ID:	QC Package:	QC Cooler Temp:	
<i>Aaron Strange</i>							

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ALS Environmental

Date: 09-Dec-10

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Effluent

Collection Date: 11/18/2010 01:45 PM

Work Order: 1011768

Lab ID: 1011768-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	12/1/2010 06:01 PM
METALS			SW6020			
Aluminum	1.57		0.0100	mg/L	1	12/1/2010 05:56 AM
Arsenic	0.0365		0.00500	mg/L	1	12/1/2010 05:56 AM
Barium	0.0456		0.00500	mg/L	1	12/1/2010 05:56 AM
Beryllium	ND		0.00200	mg/L	1	12/1/2010 05:56 AM
Boron	0.248		0.0200	mg/L	1	12/1/2010 05:56 AM
Cadmium	ND		0.00200	mg/L	1	12/1/2010 05:56 AM
Calcium	136		0.500	mg/L	1	12/1/2010 05:56 AM
Chromium	ND		0.00500	mg/L	1	12/1/2010 05:56 AM
Cobalt	ND		0.00500	mg/L	1	12/1/2010 05:56 AM
Copper	0.00568		0.00500	mg/L	1	12/1/2010 05:56 AM
Iron	0.605		0.200	mg/L	1	12/1/2010 05:56 AM
Lead	ND		0.00500	mg/L	1	12/1/2010 05:56 AM
Magnesium	41.3		0.200	mg/L	1	12/1/2010 05:56 AM
Manganese	0.0250		0.00500	mg/L	1	12/1/2010 05:56 AM
Molybdenum	0.110		0.00500	mg/L	1	12/1/2010 05:56 AM
Nickel	0.00531		0.00500	mg/L	1	12/1/2010 05:56 AM
Potassium	20.6		0.200	mg/L	1	12/1/2010 05:56 AM
Selenium	0.645		0.00500	mg/L	1	12/1/2010 05:56 AM
Silver	ND		0.00500	mg/L	1	12/1/2010 05:56 AM
Sodium	965		20.0	mg/L	100	12/1/2010 08:47 PM
Vanadium	0.00639		0.00500	mg/L	1	12/1/2010 05:56 AM
Zinc	1.51		0.00500	mg/L	1	12/1/2010 05:56 AM
SEMIVOLATILES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
2-Methylnaphthalene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
2-Methylphenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
2-Nitroaniline	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
2-Nitrophenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
3&4-Methylphenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
3-Nitroaniline	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
4-Nitroaniline	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
4-Nitrophenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Acenaphthene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Acenaphthylene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental
Date: 09-Dec-10
Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Effluent

Collection Date: 11/18/2010 01:45 PM

Work Order: 1011768

Lab ID: 1011768-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Anthracene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Benz(a)anthracene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Benzidine	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Hexachloroethane	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Isophorone	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Naphthalene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Nitrobenzene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Pentachlorophenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Phenantrhene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Phenol	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
Pyrene	ND		0.0050	mg/L	1	11/30/2010 12:13 AM
<i>Surr: 2,4,6-Tribromophenol</i>	75.8		42-124	%REC	1	11/30/2010 12:13 AM
<i>Surr: 2-Fluorobiphenyl</i>	49.1		48-120	%REC	1	11/30/2010 12:13 AM
<i>Surr: 2-Fluorophenol</i>	28.9		20-120	%REC	1	11/30/2010 12:13 AM
<i>Surr: 4-Terphenyl-d14</i>	72.8		51-135	%REC	1	11/30/2010 12:13 AM
<i>Surr: Nitrobenzene-d5</i>	43.4		41-120	%REC	1	11/30/2010 12:13 AM
<i>Surr: Phenol-d6</i>	41.0		20-120	%REC	1	11/30/2010 12:13 AM
VOLATILES						
			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,2-Dibromoethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,2-Dichloropropane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
2-Butanone	ND		0.010	mg/L	1	11/19/2010 11:06 PM
2-Hexanone	ND		0.010	mg/L	1	11/19/2010 11:06 PM
4-Isopropyltoluene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	11/19/2010 11:06 PM
Acetone	ND		0.010	mg/L	1	11/19/2010 11:06 PM
Benzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Bromodichloromethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 09-Dec-10

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 1011768

Sample ID: Effluent

Lab ID: 1011768-01

Collection Date: 11/18/2010 01:45 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Bromomethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Carbon disulfide	ND		0.010	mg/L	1	11/19/2010 11:06 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Chlorobenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Chloroethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Chloroform	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Chloromethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Dibromochloromethane	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Ethylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Isopropylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
m,p-Xylene	ND		0.010	mg/L	1	11/19/2010 11:06 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Methylene chloride	ND		0.010	mg/L	1	11/19/2010 11:06 PM
n-Butylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
n-Propylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Naphthalene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
o-Xylene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
sec-Butylbenzene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Styrene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Tetrachloroethene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Toluene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Trichloroethene	ND		0.0050	mg/L	1	11/19/2010 11:06 PM
Vinyl chloride	ND		0.0020	mg/L	1	11/19/2010 11:06 PM
Xylenes, Total	ND		0.015	mg/L	1	11/19/2010 11:06 PM
Surr: 1,2-Dichloroethane-d4	115		70-125	%REC	1	11/19/2010 11:06 PM
Surr: 4-Bromofluorobenzene	90.3		72-125	%REC	1	11/19/2010 11:06 PM
Surr: Dibromofluoromethane	104		71-125	%REC	1	11/19/2010 11:06 PM
Surr: Toluene-d8	89.4		75-125	%REC	1	11/19/2010 11:06 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	12/2/2010 12:00 PM
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	12/2/2010 12:00 PM
ANIONS			E300			Analyst: DM
Chloride	315		5.00	mg/L	10	12/2/2010 06:05 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 09-Dec-10

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 1011768

Sample ID: Effluent

Lab ID: 1011768-01

Collection Date: 11/18/2010 01:45 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sulfate	1,870		50.0	mg/L	100	12/2/2010 06:26 PM
<i>Surr: Selenate (surr)</i>	108		85-115	%REC	10	12/2/2010 06:05 PM
<i>Surr: Selenate (surr)</i>	108		85-115	%REC	100	12/2/2010 06:26 PM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	209		5.00	mg/L	1	12/1/2010 12:00 PM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/1/2010 12:00 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/1/2010 12:00 PM
Alkalinity, Total (As CaCO ₃)	209		5.00	mg/L	1	12/1/2010 12:00 PM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: TDW
Specific Conductivity	4,270		1.00	µmhos/cm	1	12/8/2010 05:00 PM
IGNITIBILITY			SW1010			Analyst: JLC
Ignitability	> 212		50.0	°F	1	12/2/2010 10:00 AM
PH			SW9040			Analyst: JLC
pH	6.86	H	0.100	pH units	1	12/2/2010 10:00 AM
TOTAL DISSOLVED SOLIDS			M2540C			Analyst: JLC
Total Dissolved Solids (Residue, Filterable)	3,220		10.0	mg/L	1	11/22/2010 10:00 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Group USA, Corp

Date: 03-Dec-10

Client: ALS Environmental

Project: 1011768

Work Order: 1011690

Sample ID: 1011768-01D

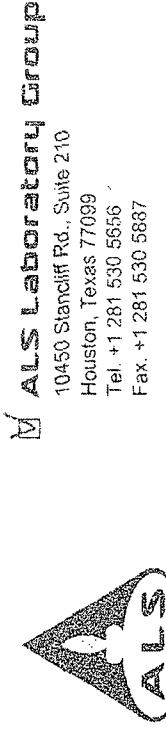
Lab ID: 1011690-01

Collection Date: 11/18/2010 01:45 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: EE 12/2/2010 12:00 PM
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Analyst: EE 12/2/2010 12:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



Chain of Custody Form

ALS Laboratory Group

10450 Stancliff Rd., Suite 210
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Page of

ALS Laboratory Group

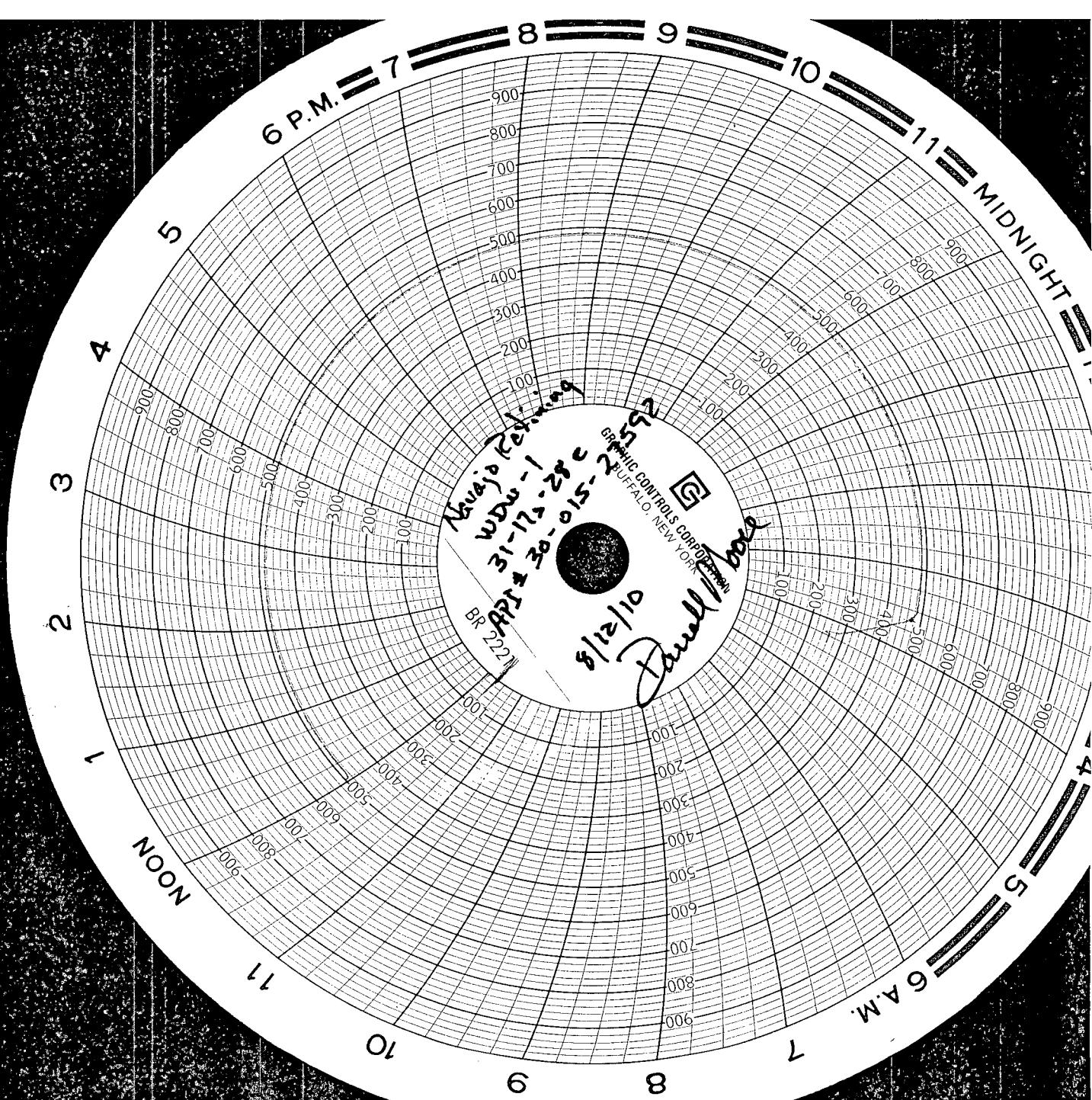
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6105

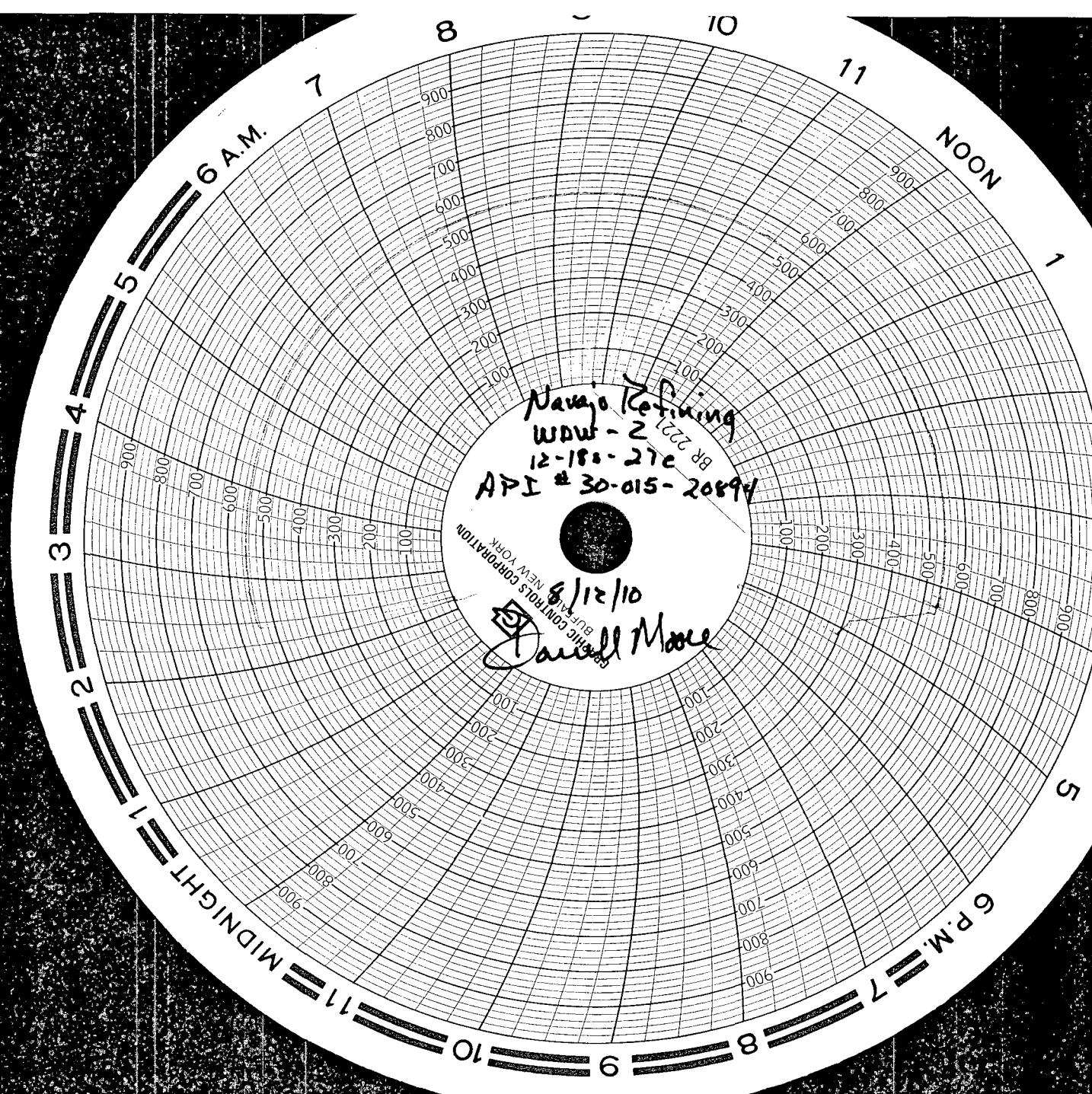
Customer Information		Project Information										Parameter/Method Request for Analysis						
Purchase Order	Project Name	Inception Well Company										VOC (6/8/0) Select						
Work Order	Project Number											SVO (8/7/0) Select						
Company Name	Bill To Company	Navajo Refining Company										Total Metals (3/20/07/08) Select						
Send Report To	Invoice Attn	Aaron Strange										RCI Profile						
Address	PO Box 159	P.O. Box 159										Analysis (3/31/07/08) Select						
City/State/Zip	Address	Artesia, NM 88211										Akability						
Phone	City/State/Zip	(575) 748-6743 3311										pH						
Fax	Phone	(575) 748-6421 5451										Conductivity						
e-Mail Address	Fax	(575) 748-6421 5451										TDS						
No.	Sample Description	Date	Time	Matrix	Pros.	# Bottles	A	B	C	D	E	F	G	H	I	J	K	L
1	1111 Effluent	11-18-10	1345	L	Y	4	X	X	X	X	X	X	X	X	X	X	X	X
2	Temp Blank																	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
Samples(s) Please Print & Sign		Shipment Method		Required Turnaround Time (Check Box)		Results Due Date												
<i>John Strange</i>		Fed Ex		10/18/10		10/18/10												
Relinquished by:	Date:	Time:	Received by:	Notes:														
<i>John Strange</i>	11-18-10	0910	<i>John Strange</i>															
Relinquished by:	Date:	Time:	Received by (Laboratory)	QC Package (Check One Box Below)														
<i>John Strange</i>	11-18-10	0910	<i>John Strange</i>	<input checked="" type="checkbox"/> Level I 3% QC <input type="checkbox"/> Level II 5% QC <input type="checkbox"/> Level III 10% QC <input type="checkbox"/> Level IV 20% QC <input type="checkbox"/> Other / EOD														
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory)															
<i>John Strange</i>	11-18-10	0910	<i>John Strange</i>															
Preservative Key:	1-HCl	2-HNO ₃	3-H ₂ SO ₄	4-NaOH	5-Na ₂ SO ₃	6-NaHSO ₃	7-Other	8-4°C	9-5035	10-	11-	12-	13-	14-	15-	16-	17-	18-

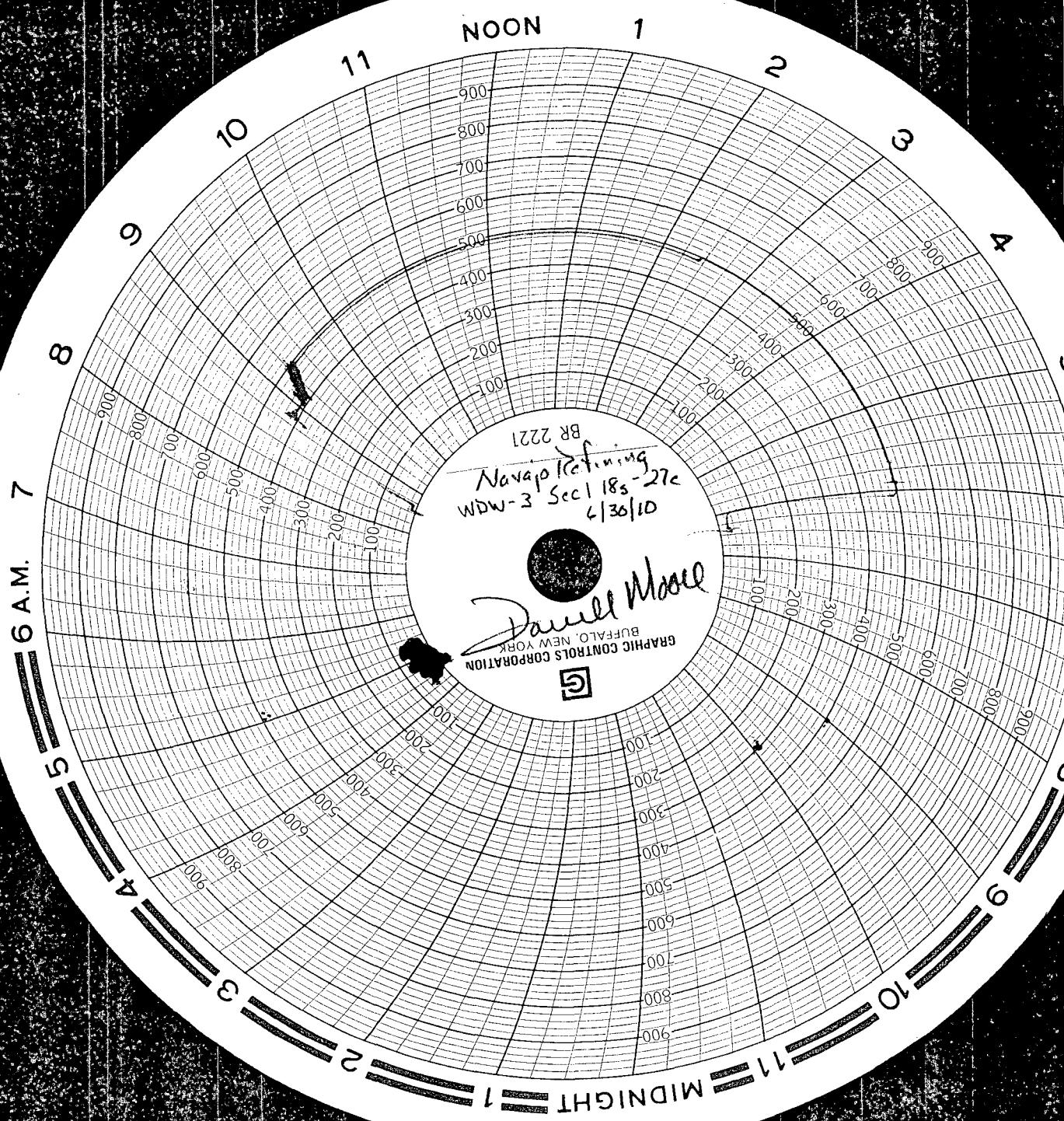
Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a local document. All information must be submitted separately.

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ATTACHMENT 2
MECHANICAL INTEGRITY TESTS and
BRADENHEAD TESTS







Oil Conservation Division, Environmental Bureau
 C/O: Carl Chavez
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505

BRADENHEAD TEST REPORT
 (Submit 2 copies to above address)

Date of Test December 16, 2010 Operator Navajo Refining API #30-015-26575

Property Name WDW Well No 3 Location: Unit O Section 1 Township 18S Range 27E

Well Status (Shut-In or Producing) Tubing_____ Intermediate_____ Casing_____ Bradenhead_____

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:			BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	BRADENHEAD	INTERMEDIATE	CASING		
5 minutes	0	0		Steady Flow	NA
10 minutes	NA	NA		Surges	NA
15 minutes	NA	NA		Down to Nothing	Immediately
20 minutes	NA	NA		Nothing	X
25 minutes	NA	NA		Gas	NA
30 minutes	NA	NA		Gas & Water	NA
				Water	NA
					NA

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR_____ FRESH_____ SALTY_____ SULFUR_____ BLACK_____

5 MINUTE SHUT-IN BRADENHEAD 0 INTERMEDIATE 0

REMARKS:

We opened the surface and intermediate bradenheads one at a time. There was a puff of air out of each but that quickly went to nothing. There was no flow. No sustained pressure.

By Darrell Moore  Witness

Env. Mgr. for Water and Waste Navajo Refining
 (Position)

E-mail address Darrell.moore@hollycorp.com

Oil Conservation Division, Environmental Bureau
C/O: Carl Chavez
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

BRADENHEAD TEST REPORT
(Submit 2 copies to above address)

Date of Test September 14, 2010 Operator Navajo Refining API #30-015-26575

Property Name WDW Well No 3 Location: Unit O Section 1 Township 18S Range 27E

Well Status (Shut-In or Producing) Tubing _____ Intermediate _____ Casing _____ Bradenhead _____

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:			BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	BRADENHEAD	INTERMEDIATE	CASING		
5 minutes	0	0		Steady Flow	NA
10 minutes	NA	NA		Surges	NA
15 minutes	NA	NA		Down to Nothing	Immediately
20 minutes	NA	NA		Nothing	X
25 minutes	NA	NA		Gas	NA
30 minutes	NA	NA		Gas & Water	NA
				Water	NA
					NA

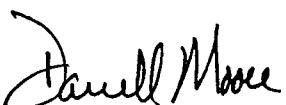
If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN BRADENHEAD 0 INTERMEDIATE 0

REMARKS:

Both the surface and intermediate bradenheads were opened. Each had a puff of air and then nothing. No flow. No Pressure.

By Darrell Moore  Witness

Env. Mgr. for Water and Waste Navajo Refining
(Position)

E-mail address Darrell.moore@hollycorp.com

Oil Conservation Division, Environmental Bureau

C/O: Carl Chavez

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

BRADENHEAD TEST REPORT

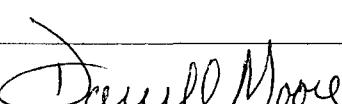
(Submit 2 copies to above address)

Date of Test June 30, 2010 Operator Navajo Refining API #30-015-26575Property Name WDW Well No. 3 Location: Unit 0 Section 1 Township 185 Range 27e
InjectingWell Status (Shut-In or Producing) Tubing Intermediate Casing Bradenhead**OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH**

TIME	PRESSURES:			BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	BRADENHEAD	INTERMEDIATE	CASING		
5 minutes	0	0		Steady Flow	N/A
10 minutes	N/A	N/A		Surges	N/A
15 minutes	N/A	N/A		Down to Nothing	immediately
20 minutes	N/A	N/A		Nothing	X
25 minutes	N/A	N/A		Gas	N/A
30 minutes	N/A	N/A		Gas & Water	N/A
				Water	N/A

If bradenhead flowed water, check all of the descriptions that apply below:CLEAR FRESH SALTY SULFUR BLACK 5 MINUTE SHUT-IN BRADENHEAD 0 INTERMEDIATE 0**REMARKS:**

Both the surface and intermediate bradenheads were opened one at a time. Both had a puff of air upon opening the valve (from heat build-up) and then nothing. No flow. No pressure.

By Darrell Moore  Witness _____

Env. Mgr. for Water & Waste Navajo Refining

(Position)

E-mail address darrell.moore@hollycorp.com

2010 QUARTERLY WEEKLY WAMS LEVEL TABLES

1st Quarter	1/7/10	1/11/10	1/20/10	1/27/10	2/1/10	2/8/10	2/16/10	2/22/10	3/1/10	3/8/10	3/15/10	3/22/10	3/29/10
WDW-1' (Mewbourne)	175	170	165	165	155	155	155	155	155	155	155	155	155
WDW-2' (Chucka)	125	125	125	125	125	125	125	125	125	125	125	125	125
WDW-3' (Gains)	165	155	150	150	155	145	145	145	145	145	145	145	145

Comments: Added antifreeze to WDW-2 on 02/03/2010.

¹ Graduated tank gauged weekly in the field. Reading is in gallons.

2nd Quarter	4/5/10	4/12/10	4/20/10	4/26/10	5/3/10	5/10/10	5/17/10	5/25/10	6/1/10	6/7/10	6/14/10	6/21/10	6/28/10
WDW-1' (Mewbourne)	155	155	155	155	155	155	155	155	155	155	155	155	155
WDW-2' (Chucka)	185	185	185	185	185	185	185	185	180	170	170	165	165
WDW-3' (Gains)	145	145	165	165	165	160	160	160	155	155	155	155	155

Comments: Added antifreeze to WDW-3 on 04/15/2010.

¹ Graduated tank gauged weekly in the field.

3rd Quarter	7/6/10	7/12/10	7/19/10	7/26/10	8/3/10	8/9/10	8/16/10	8/24/10	8/30/10	9/7/10	9/13/10	9/20/10	9/27/10
WDW-1' (Mewbourne)	155	155	155	155	155	155	155	155	155	155	155	155	155
WDW-2' (Chucka)	155	155	155	155	155	155	155	155	155	155	155	155	155
WDW-3' (Gains)	150	150	150	150	150	150	150	150	150	150	150	150	150

Comments: No antifreeze added for 3rd Quarter.

¹ Graduated tank gauged weekly in the field. Reading is in gallons.

4th Quarter	10/4/10	10/14/10	10/18/10	10/28/10	11/1/10	11/8/10	11/15/10	11/22/10	11/29/10	12/7/10	12/13/10	12/21/10	12/27/10
WDW-1' (Mewbourne)	155	155	155	155	155	155	155	155	155	155	155	155	150
WDW-2' (Chucka)	150	155	155	155	155	155	155	155	150	150	150	150	150
WDW-3' (Gains)	150	150	150	150	150	150	150	150	150	150	150	150	150

Comments: Added antifreeze to WDW-1 and to WDW-3 on 12/28/2010. WDW-1 was brought up to 190 gallons and WDW-3 was brought up to 180 gallons.

¹ Graduated tank gauged weekly in the field. Reading is in gallons.

ATTACHMENT 3
ANNUAL TRAINING

Annual Inj. Well Training

Name	Signature	Company	Date
Darrell Moore	Darrell Moore	Navajo	12/13/10
Aaron Strange	Aaron Strange	NAC	12/13/10
Robert Velarde	Robert Velarde	Giles	12-13-10
William Smith	William Smith	Giles	12-13-10
Mark Meritell	Mark Meritell	Giles	12-13-10
Sergio Chavez	Sergio Chavez	Giles	12-13-10
Mark Calypso	MARK CALYPSO	GILES	12-13-10
Scob Aguirre	Scob Aguirre	GILES	12-13-10
Jamea Beasman	Jamea Beasman	Giles	12-13-10
Donoso Tonres	Donoso Tonres	Giles	12-13-10
Tusfan Hodges	Tusfan Hodges	Giles	12-13-10
Billie Roach	Billie Roach	Giles	12-13-10
John Perez	John Perez	Giles	12-13-10
Mike Deitrich	Mike Deitrich	Giles	12-13-10
Jason Taveras	Jason Taveras	Giles	12-13-10
Mike Perez	Mike Perez	Giles	" "
Steve Perez	Steve Perez	Giles	" "
Kenny Williams	Kenny Williams	Giles	" "
Mike Mazzoni	Mike Mazzoni	Giles	12-13-10
Hector Ochoa	Hector Ochoa	Giles	12-13-10
Nicolas Slayardia	Nicolas Slayardia	NRC	12-13-10

INJECTION WELL TRAINING

This training is being done to satisfy Navajo Refining Company's Discharge Permits UIC-CLI-008 (I-008), UIC-CLI-008 (I-008-1) and UIC-CLI-008 (I-008-2). In all three permits, section 23 states that "All personnel associated with operations at the Navajo Class I disposal wells shall have appropriate training in accepting, processing, and disposing of Class I non-exempt non-hazardous refinery waste to insure proper disposal".

Definitions

The injection wells at our refinery are classified as Class I Non-Hazardous Non-exempt Injection Wells. This means that the water we send to the wells has to be non-hazardous. The Class I designation means that in all three strings of casing, the cement is circulated back to the surface to protect groundwater. It also means that we have to monitor the annulus between the tubing and the casing to insure there are no leaks. This is what the WAMS unit does.

WAMS

Well Annulus Monitoring System

Permit Conditions:

Well Head Pressure Limits

The well head pressure limits shall be 1510 lbs on the Chukka well, 1580 lbs on the Mewbourne well, and 1550 lbs on the Gaines well.

Annulus Pressure

The annulus pressure shall be at a minimum of 100 lbs

Benzene Levels

No water shall be injected into the wells above .5 parts per million (ppm) or 500 parts per billion (ppb) benzene.

Leaks

Any leaks that are identified (loss/gain of fluid in WAMS unit) shall be reported within 24 hours of discovery to OCD. Weekly monitoring of fluids in the tank at each well coupled with documented additions/removals of fluids into or out of the tank are required.

Containment

All three wells have cement containment underneath the valves and filter pots. This containment must be kept empty. If there is fluid in the containment, it must be vacuumed out and the water taken back to the refinery to be disposed into the wastewater system.

Filters

The filters at the wells have been determined to be hazardous waste by testing because of FeS (Iron Sulfide). They have been profiled to be disposed at Gulf Chemical near Houston, TX. The used filters are to be placed into the roll-off boxes at the well site. When the box gets full, an empty box will be swapped and the full box taken to Gulf Chemical for disposal. The boxes MUST be closed when they are not being filled.

Adding to WAMS Unit

If it becomes necessary to add fluids to the WAMS unit, the environmental department must be notified and the added fluid must be documented. Any spills during this process must be reported to the environmental department. Spills must be cleaned up immediately. The dirt removed can be put into the onsite roll-off boxes with the filters. Any fluid that dribbles down the side of the WAMS must be wiped off.

If there are any questions, do not hesitate to call the Environmental on-call phone at **575-365-8365**

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, December 07, 2010 7:52 AM
To: 'Gibson, Dan'; Moore, Darrell; 'Lackey, Johnny'; Schmaltz, Randy; McDaniel, Vic
Cc: Sanchez, Daniel J., EMNRD; Jones, William V., EMNRD; VonGonten, Glenn, EMNRD
Subject: UIC Class I Disposal Well 2011 Annual Report Reminder

Gentlemen:

Good morning.

This is a reminder of your OCD discharge permit reporting obligations for your Underground Injection Control (UIC) disposal well(s).

Please plan on meeting the Annual Report submittal dates in January of 2011 as failure to submit the report will constitute a violation under the Federal UIC Program and reporting to the United States Environmental Protection Agency, which could result in the shut-in and/or plug and abandonment of your Class I disposal well(s), etc.

Please contact me if you have questions. Thank you in advance for your cooperation.

File: OCD Online "Annual Report" thumbnail

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3490
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/index.htm>
(Pollution Prevention Guidance is under "Publications")



REFINING COMPANY, LLC

RECEIVED

FAX

(575) 746-5283 DIV. ORDERS
(575) 746-5481 TRUCKING
(575) 746-5458 PERSONNEL

FAX

(575) 746-5419 ACCOUNTING
(575) 746-5451 ENV/PURCH/MKTG
(575) 746-5421 ENGINEERING

2010 FEB 1 PM 1 59
501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (575) 748-3311

January 29, 2010

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

**RE: ANNUAL CLASS 1 WELL REPORT
PERMIT NUMBERS UICCL1-008, UILCL1-008-0, AND UICCL1-008-1
NAVAJO REFINING COMPANY,LLC**

Dear Carl,

Enclosed, please find the annual class 1 report for our three wells with the permit numbers referenced above. There is some confusion on our part, and also on OCD's apparently about the permit numbers for the wells. Our correspondence with OCD shows differing permit numbers for the wells and when we look onsite at OCD online, there are different numbers for the permit numbers there as well. For this report, UICCL1-008 is WDW-1, UICCL1-008-0 is WDW-2, and UICCL1-008-01 is WDW-3.

If there are any questions concerning this report, please call me at 575-746-5281. Thank you for your attention to this matter.

Sincerely,
NAVAJO REFINING COMPANY, LLC

Darrell Moore
Environmental Manager for Water and Waste

Encl:

**ANNUAL CLASS 1 WELL REPORT
NAVAJO REFINING COMPANY, LLC
Permit Numbers UICCL1-008, UICCLI-008-0, UICCL1-008-1
API No. 30-015-27592 (008), 30-015-20894 (008-0) and 30-015-26575 (008-01)**

January 31, 2010

**Darrell Moore
Environmental Manager for Water and Waste**

Navajo Refining Company, LLC

EXECUTIVE SUMMARY

Navajo Refining Company, LLC (Navajo) operates three class 1 wells in Eddy County NM. These wells are used to dispose wastewater from our refinery in Artesia, NM. Daily, Navajo sends approximately 16,000 bbls total of wastewater down these three wells with the volume to each well determined by its ability to take water. During 2009, there was no major work on any of the wells. We did perform fall-off tests on each well along with the annual MIT's which will both be discussed later in this report. There has been an issue with the WAMS (Well Annulus Measurement System) unit on WDW-3. There seems to be a very small leak of ethylene glycol from this unit somewhere down hole. Navajo has worked with OCD to come up with a plan for monitoring this leak. That plan will be discussed later in this report.

VOLUMES

During 2009, a total of 4,935,618 bbls of wastewater were pumped down the three wells total. This is broken down as follows: WDW-1 1,314,037 bbls, WDW-2 1,236,573 bbls, and WDW-3 2,385,008 bbls.

WDW-1 and WDW-2 were put into operation in 1998. Since that time, a total of 27,647,056 bbls have been injected into WDW-1 and a total of 14,124,671 bbls have been injected into WDW-2. WDW-3 was put online in 2007. In that time, a total of 4,559,320 bbls have been injected into this well.

Total fluids injected into all three wells at the end of 2009 are 46,331,047 bbls. I have attached a spreadsheet (Fig 1) that shows all values for all three wells.

The **average injection pressure** into WDW-1 for 2009 was 264 psi, for WDW-2 it was 310 psi, and for WDW-3 it was 570 psi.

The **maximum injection pressure** into WDW-1 for 2009 was 901 psi, for WDW-2 it was 884 psi, and for WDW-3 it was 832 psi. All of these pressures are well below the maximum permitted pressure for each well.

CHEMICAL ANALYSIS

Included in this report are the analyses from the four quarterly sampling events that we do every year. (Attachment 1) There are no results in these years' samples that would raise a concern. The TDS results have shown a steady rise throughout the year but historically, they are still within our normal operating range.

MECHANICAL INTEGRITY TESTS

Navajo performed Mechanical Integrity Tests (MIT's) on all three of our wells on August 14, 2008. These tests were witnessed by representatives of OCD along with Navajo personnel. A hot oil unit from O K Hot Oil pressured the wells up and provided a

calibrated chart. On all three tests, an OCD representative took the chart and promised to forward a copy to Navajo. To our knowledge, we have never received a copy of those charts. Therefore, we have no copy to provide in this report. However, we have included various photos and statements from OCD (Attachment2) that are proof that the wells passed the MIT's. In all three instances, the wells were pressured up for 30 minutes at about 500 psi. All three wells were well within OCD's guidelines of 10% loss/gain during the 30 minute duration of the test.

There has been an issue with the WAMS unit on WDW-3. On August 19, 2009, Navajo officially notified OCD that there was a failure in the WAMS unit. A very small amount of annulus fluid had leaked out. There were no above ground leaks so it was assumed that the leak had to be underground. The problem is that the leak is so small, identifying it is almost impossible. For reference, the well passed the annual MIT. On December 4, 2009, OCD issued its "path forward" for this well. This included: 1) Quarterly Bradenhead monitoring to coincide with the annual MIT, 2) Continued WAMS fluid monitoring. The OCD then wrote a "minor modification" to Section 22(E) of the Discharge Permit for WDW-3 to require that "Bradenhead test(s) shall be performed quarterly to coincide with the annual casing-tubing annulus test." In February, 2009, Navajo will perform the first quarterly Bradenhead test. OCD will be notified when that test is finalized so that they may witness the test.

The 2009 Quarterly Weekly WAMS Level Table is also included in Attachment 2. This spreadsheet shows the volume of liquid in gallons in the tanks on each well's WAMS unit. It also shows when any fluid has been added to any tank. On 6/25/09 and on 8/19/09, 110 gallons each were added to WDW-3. On 11/20/09, 110 gallons were added to WDW-1. The loss of fluid from WDW-1 is a new development; however, there has been no further loss since that addition on November 20, 2009.

AREA OF REVIEW

In conjunction with our falloff testing, an area of review (AOR) was done to document well changes within a one-mile radius of the three wells. This current update includes all existing wells within the AOR and any changes that have occurred to these wells since 2008.

No new fresh water wells were reported within the search area. There were twenty one new wells in the AOR of which only one penetrated any injection zone of Navajo's three wells. The well was completed in the ABO Formation by isolating the Wolfcamp (Navajo's uppermost injection interval) with a cast iron bridge plug. The well is identified as follows:

Mack Energy Corporation
State H #2
API# 30-015-35814
Unit H Sec. 2 18S 27E
2063 FNL and 441 FEL

FACILITY TRAINING

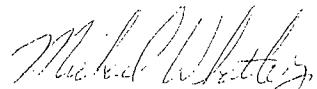
Annual training for the operation of the injection wells is done by the environmental department of Navajo. The annual training was done on October 15, 2009. Attached, (Attachment 3) is the sign in sheet along with an outline of the subjects covered during the training.

SUMMARY

During 2009, a total of 4,935,618 bbls of wastewater were injected down the three wells. There were no operational upsets of the wells and no “workovers”. We performed an MIT on all three wells with no loss of pressure. There has been an issue with the WAMS unit on WDW-3. On August 19, 2009, Navajo officially notified OCD that there was a failure in the WAMS unit. A very small amount of annulus fluid had leaked out. There were no above ground leaks so it was assumed that the leak had to be underground. The problem is that the leak is so small, identifying it is almost impossible. For reference, the well passed the annual MIT. On December 4, 2009, OCD issued its “path forward” for this well. This included: 1) Quarterly Bradenhead monitoring to coincide with the annual MIT, 2) Continued WAMS fluid monitoring. The OCD then wrote a “minor modification” to Section 22(E) of the Discharge Permit for WDW-3 to require that “Bradenhead test(s) shall be performed quarterly to coincide with the annual casing-tubing annulus test.” In February, 2009, Navajo will perform the first quarterly Bradenhead test. OCD will be notified when that test is finalized so that may witness.

In 2009, we also performed Fall Off tests on each well. The falloff testing was done according to a test plan that was submitted to and approved by OCD. The falloff test results show that all three wells are in communication with each other and the permit parameters for the three wells remain conservative. It is recommended that because the wells are in communication, that in future years Navajo be allowed to perform falloff tests on each well every third year instead of all three wells annually. Testing all three wells annually is unnecessary. Further, when testing a well, once radial flow is reached, the test should be considered complete. Monitoring a well that has “flatlined” adds unnecessary “noise” to any set of data without giving anything that is useful.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment.



Michael Whatley, Vice President and Refinery Manager

2009 SUMMARY OF QUARTERLY MONTHLY INJECTION PRESSURES, RATES, AND VOLUMES

	Average Pressure (psig)	Maximum Pressure (psig)	Minimum Pressure (psig)	Average Flow (gpm)	Maximum Flow (gpm)	Minimum Flow (gpm)	Average Annular Pressure (psig)	Maximum Annular Pressure (psig)	Minimum Annular Pressure (psig)	Average Volume (bpd)	Maximum Volume (bpd)	Minimum Volume (bpd)	Volume (barrels)	TOTAL Volume (barrels)	CUMMULATIVE Volume (barrels)
WWDW-1															
1st qtr	Jan-09 Feb-09	187 155	195 92	130 76	92 86	69 54	81 101	90 165	61 54	3,019 2,599	3,157 2,992	2,360 1,962	93,501 72,761	26,333,018 26,426,519	
2nd qtr	Mar-09 Apr-09	183 195	199 202	169 177	88 94	83 83	151 148	166 168	132 127	3,006 2,995	3,223 2,985	2,362 2,937	93,190 89,552	26,499,380 26,592,570	
3rd qtr	May-09 Jun-09	155 14	216 74	1 101	85 113	84 83	99 132	162 224	64 59	2,927 3,451	2,982 3,864	2,876 2,981	90,739 104,705	26,772,661 26,876,380	
4th qtr	Jul-09 Aug-09	9 333	69 610	1 0	99 85	105 99	82 50	86 87	86 140	3,451 58	3,864 3,378	2,981 3,901	89,381 17,11	27,071,73	
All 2009	264	901	0	105	333	108	412	621	221	5,396	11,426	3,704	166,335	27,547,056	
WWDW-2															
1st qtr	Jan-09 Feb-09	191 160	212 189	134 95	86 74	89 84	118 146	137 237	86 79	2,939 2,544	3,067 2,894	2,928 1,846	91,105 71,245	12,979,202 13,050,447	
2nd qtr	Mar-09 Apr-09	193 201	203 208	175 182	82 81	84 83	78 77	112 101	77 119	2,808 2,761	2,833 2,855	2,628 2,792	87,037 83,861	13,137,484 13,220,310	
3rd qtr	May-09 Jun-09	197 152	214 213	195 127	81 92	75 98	97 116	111 225	81 87	2,765 3,169	2,805 3,366	2,587 2,573	83,861 95,082	13,304,171 13,398,252	
4th qtr	Jul-09 Aug-09	150 419	159 616	127 602	99 480	113 84	89 124	144 145	228 213	93 79	3,395 2,835	3,899 4,264	3,068 4,159	105,260 109,430	13,504,512 13,593,052
All 2009	498	557	665	309	149	126	110	482	1,000	149	4,873	6,353	3,786	129,935	27,480,719
WWDW-3															
1st qtr	Jan-09 Feb-09	689 523	750 670	380 213	190 142	204 185	163 89	446 374	503 594	3,47 2,95	6,501 4,865	6,979 5,579	5,579 5,579	201,539 201,539	2,174,313 2,375,852
2nd qtr	Mar-09 Apr-09	686 748	754 774	394 721	182 189	204 176	149 146	446 446	499 499	5,239 5,239	6,354 5,895	5,057 5,057	136,238 136,238	2,512,050 2,705,458	
3rd qtr	May-09 Jun-09	764 504	788 797	694 378	191 185	196 206	175 105	449 286	508 559	4,475 3,888	5,828 5,556	5,040 6,802	194,242 6,017	2,899,740 203,231	
4th qtr	Jul-09 Aug-09	484 440	832 519	531 177	391 199	192 305	160 156	283 204	368 307	6,326 19	5,797 5,819	7,074 10,441	3,615 5,501	189,784 203,871	3,292,755 3,498,526
All 2009	366	540	529	10	201	198	188	332	404	205 187	6,804 3,877	7,150 6,804	6,414 7,067	204,114 7,442	3,912,141 6,449
Total Injected Fluids:		570	832	10	190	305	89	351	594	19	6,522	10,441	3,067	2,385,008	4,559,320
															46,331,947

ATTACHMENT 1
CHEMICAL ANALYSIS

ALS Laboratory Group

Date: 23-Feb-09

Client: ALS Laboratory Group

Project: 0902372

Work Order: 0902323

Sample ID: 0902372-01F

Lab ID: 0902323-01

Collection Date: 2/13/2009 01:45 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: DB 2/19/2009
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Prep Date: 2/19/2009 Analyst: DB 2/19/2009

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analytic detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited

S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: 26-Feb-09

Client: Navajo Refining Company
Project: Injection Well Qrtly
Sample ID: Injection Well
Collection Date: 2/13/2009 01:45 PM
Work Order: 0902372
Lab ID: 0902372-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	Prep Date: 2/20/2009 Analyst: JCJ 2/20/2009 05:30 PM
METALS			SW6020			
Aluminum	0.150		0.0100	mg/L	1	Prep Date: 2/20/2009 Analyst: ALR 2/21/2009 03:12 AM
Arsenic	0.119		0.00500	mg/L	1	2/21/2009 03:12 AM
Barium	0.00941		0.00500	mg/L	1	2/21/2009 03:12 AM
Beryllium	ND		0.00200	mg/L	1	2/21/2009 03:12 AM
Boron	0.142		0.0200	mg/L	1	2/21/2009 03:12 AM
Cadmium	ND		0.00200	mg/L	1	2/21/2009 03:12 AM
Calcium	46.3		0.500	mg/L	1	2/21/2009 03:12 AM
Chromium	ND		0.00500	mg/L	1	2/21/2009 03:12 AM
Cobalt	ND		0.00500	mg/L	1	2/21/2009 03:12 AM
Copper	ND		0.00500	mg/L	1	2/21/2009 03:12 AM
Iron	0.325		0.200	mg/L	1	2/21/2009 03:12 AM
Lead	ND		0.00500	mg/L	1	2/21/2009 03:12 AM
Magnesium	15.5		0.200	mg/L	1	2/21/2009 03:12 AM
Manganese	0.120		0.00500	mg/L	1	2/21/2009 03:12 AM
Molybdenum	0.278		0.00500	mg/L	1	2/21/2009 03:12 AM
Nickel	0.0198		0.00500	mg/L	1	2/21/2009 03:12 AM
Potassium	8.66		0.200	mg/L	1	2/21/2009 03:12 AM
Selenium	0.0443		0.00500	mg/L	1	2/21/2009 03:12 AM
Silver	ND		0.00500	mg/L	1	2/21/2009 03:12 AM
Sodium	385		20.0	mg/L	100	2/23/2009 01:09 PM
Vanadium	ND		0.00500	mg/L	1	2/21/2009 03:12 AM
Zinc	0.0208		0.00500	mg/L	1	2/21/2009 03:12 AM
SEMICOLATIVES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	Prep Date: 2/16/2009 Analyst: ACN 2/23/2009 12:58 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
2-Methylphenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
2-Nitroaniline	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
2-Nitrophenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
3-Nitroaniline	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
4-Nitroaniline	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
4-Nitrophenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Acenaphthene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Acenaphthylene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level
 a - Not accredited

S - Spike Recovery outside accepted recovery limits
 P - Dual Column results percent difference > 40%
 E - Value above quantitation range
 H - Analyzed outside of Hold Time
 n - Not offered for accreditation

ALS Laboratory Group

Date: 26-Feb-09

Client: Navajo Refining Company

Project: Injection Well Qrtly

Work Order: 0902372

Sample ID: Injection Well

Lab ID: 0902372-01

Collection Date: 2/13/2009 01:45 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Anthracene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Benzidine	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Hexachloroethane	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Isophorone	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Naphthalene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Nitrobenzene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Pentachlorophenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Phenanthrene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Phenol	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Pyrene	ND		0.0050	mg/L	1	2/23/2009 12:58 PM
Surr: 2,4,6-Tribromophenol	79.8		42-124	%REC	1	2/23/2009 12:58 PM
Surr: 2-Fluorobiphenyl	65.4		48-120	%REC	1	2/23/2009 12:58 PM
Surr: 2-Fluorophenol	58.2		20-120	%REC	1	2/23/2009 12:58 PM
Surr: 4-Terphenyl-d14	66.5		51-135	%REC	1	2/23/2009 12:58 PM
Surr: Nitrobenzene-d5	63.5		41-120	%REC	1	2/23/2009 12:58 PM
Surr: Phenol-d6	66.0		20-120	%REC	1	2/23/2009 12:58 PM
VOLATILES						
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
2-Butanone	ND		0.010	mg/L	1	2/19/2009 06:09 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	2/19/2009 06:09 PM
2-Hexanone	ND		0.010	mg/L	1	2/19/2009 06:09 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	2/19/2009 06:09 PM
Acetone	ND		0.010	mg/L	1	2/19/2009 06:09 PM
Benzene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Bromodichloromethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Bromoform	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Bromomethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Carbon disulfide	ND		0.010	mg/L	1	2/19/2009 06:09 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Qualifiers:						
ND - Not Detected at the Reporting Limit						
J - Analyte detected below quantitation limits						
B - Analyte detected in the associated Method Blank						
* - Value exceeds Maximum Contaminant Level						
a - Not accredited						
S - Spike Recovery outside accepted recovery limits						
P - Dual Column results percent difference > 40%.						
E - Value above quantitation range						
H - Analyzed outside of Hold Time						
n - Not offered for accreditation						

ALS Laboratory Group

Date: 26-Feb-09

Client: Navajo Refining Company
Project: Injection Well Qrtly
Sample ID: Injection Well
Collection Date: 2/13/2009 01:45 PM

Work Order: 0902372
Lab ID: 0902372-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Chloroethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Chloroform	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Chloromethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Dibromochloromethane	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Ethylbenzene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
m,p-Xylene	ND		0.010	mg/L	1	2/19/2009 06:09 PM
Methylene chloride	ND		0.010	mg/L	1	2/19/2009 06:09 PM
Styrene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Tetrachloroethene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Toluene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Trichloroethene	ND		0.0050	mg/L	1	2/19/2009 06:09 PM
Vinyl acetate	ND		0.010	mg/L	1	2/19/2009 06:09 PM
Vinyl chloride	ND		0.0020	mg/L	1	2/19/2009 06:09 PM
Xylenes, Total	ND		0.015	mg/L	1	2/19/2009 06:09 PM
Surr: 1,2-Dichloroethane-d4	98.6		70-125	%REC	1	2/19/2009 06:09 PM
Surr: 4-Bromofluorobenzene	107		72-125	%REC	1	2/19/2009 06:09 PM
Surr: Dibromofluoromethane	99.7		71-125	%REC	1	2/19/2009 06:09 PM
Surr: Toluene-d8	106		75-125	%REC	1	2/19/2009 06:09 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	2/19/2009
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	2/19/2009
ANIONS			E300			Analyst: RPM
Chloride	279		5.00	mg/L	10	2/21/2009 06:19 PM
Sulfate	360		5.00	mg/L	10	2/21/2009 06:19 PM
Surr: Selenate (surr)	102		85-115	%REC	10	2/21/2009 06:19 PM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	515		5.00	mg/L	1	2/23/2009 11:00 AM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	2/23/2009 11:00 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	2/23/2009 11:00 AM
Alkalinity, Total (As CaCO ₃)	515		5.00	mg/L	1	2/23/2009 11:00 AM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: RPM
Specific Conductivity	2,270		1.00	μmhos/cm	1	2/14/2009 11:45 AM
IGNITIBILITY			SW1010			Analyst: JBA

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited

S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: 26-Feb-09

Client: Navajo Refining Company**Project:** Injection Well Qrtly**Work Order:** 0902372**Sample ID:** Injection Well**Lab ID:** 0902372-01**Collection Date:** 2/13/2009 01:45 PM**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ignitability	> 160		50.0	°F	1	2/25/2009
PH pH	7.74	H	SM4500H+ B 0.100	pH units	1	Analyst: RPM 2/14/2009 11:30 AM
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	1,410		M2540C 10.0	mg/L	1	Analyst: TDW 2/18/2009 02:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited

S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

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Chain of Custody Form

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Page 1 of 1

Customer Information		Project Information		Parameter/Method Request for Analysis														
Purchase Order #	Project Name	Injection Well City	A. VOC (826) Select															
Work Order #	Project Number		B. SVOC (827) Select															
Company Name	Bill To Company	Navajo Refining Company	C. Total Metals (60207000) Select															
Send Report To	Invoice Attn	Aaron Strange	D. RCI Profile															
Address	Address	P.O. Box 159	E. Anions (300) Cl, SO4															
City/State/Zip	City/State/Zip	Artesia, NM 88211	F. Alkalinity															
Phone	Phone	(505) 748-3311	G. pH															
Fax	Fax	(505) 746-5421	H. Conductivity															
E-Mail Address	e-Mail Address	dboyer@SESI-NM.com	I. TDS															
No.	Sample Description	Date:	J. Bottles	A. Pres.	B. Temp.	C. Matrix	D. E.	E. F.	F. G.	G. H.	H. I.	I. J.	J. Hold					
1	Injection Well	2/13/09	1345	6	Y	9	X	X	X	X	X	X	X					
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
Sampler(s) Please Print & Sign		Shipment Method	Required Turnaround Time: <input checked="" type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input type="checkbox"/> 5-7 days <input type="checkbox"/> 5-7 M	Received by:	Results Due Date: <input type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input type="checkbox"/> 5-7 days <input type="checkbox"/> 5-7 M													
Aaron Strange		Fed Ex	10 Work Days P.A.T.															
Relinquished by:		Time:	Collet ID:	Collet Temp:	OC Package:	Check One Box Below:												
<i>Aaron Strange</i>		2/13/09 09:45	<i>John Meier</i>															
Logged by (Laboratory)		Date:	Check by Laboratory:	Other:	Comments:	Comments:	Comments:	Comments:	Comments:	Comments:	Comments:	Comments:	Comments:	Comments:				
Preservative Key:		1-HCl	2-HNO3	3-H2SO4	4-NaOH	5-Na2SO4	6-NaHSO4	7-Other	8-4TCA	9-4C	10-Other	11-Other	12-Other	13-Other				

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ALS Laboratory Group

Date: 14-May-09

Client: ALS Laboratory Group

Project: 0905157

Work Order: 0905193

Sample ID: 0905157-01F

Lab ID: 0905193-01

Collection Date: 5/7/2009 01:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	Prep Date: 5/13/2009 1	Analyst: DB 5/13/2009
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	Prep Date: 5/13/2009 .1	Analyst: DB 5/13/2009

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited

S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: 26-May-09

Client: Navajo Refining Company
 Project: Injection Well Quarterly
 Sample ID: Inj. Well
 Collection Date: 5/7/2009 01:15 PM

Work Order: 0905157
 Lab ID: 0905157-01
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	5/12/2009 02:47 PM
METALS			SW6020			
Aluminum	0.484		0.0100	mg/L	1	5/15/2009 05:43 PM
Arsenic	0.140		0.00500	mg/L	1	5/15/2009 05:43 PM
Barium	0.0282		0.00500	mg/L	1	5/15/2009 05:43 PM
Beryllium	ND		0.00200	mg/L	1	5/15/2009 05:43 PM
Boron	0.152		0.0200	mg/L	1	5/15/2009 05:43 PM
Cadmium	ND		0.00200	mg/L	1	5/15/2009 05:43 PM
Calcium	126		0.500	mg/L	1	5/15/2009 05:43 PM
Chromium	ND		0.00500	mg/L	1	5/15/2009 05:43 PM
Cobalt	ND		0.00500	mg/L	1	5/15/2009 05:43 PM
Copper	ND		0.00500	mg/L	1	5/15/2009 05:43 PM
Iron	0.474		0.200	mg/L	1	5/15/2009 05:43 PM
Lead	ND		0.00500	mg/L	1	5/15/2009 05:43 PM
Magnesium	46.4		0.200	mg/L	1	5/15/2009 05:43 PM
Manganese	0.0900		0.00500	mg/L	1	5/15/2009 05:43 PM
Molybdenum	0.118		0.00500	mg/L	1	5/15/2009 05:43 PM
Nickel	0.0256		0.00500	mg/L	1	5/15/2009 05:43 PM
Potassium	108		0.200	mg/L	1	5/15/2009 05:43 PM
Selenium	0.653		0.00500	mg/L	1	5/15/2009 05:43 PM
Silver	ND		0.00500	mg/L	1	5/15/2009 05:43 PM
Sodium	462		20.0	mg/L	100	5/15/2009 05:30 PM
Vanadium	ND		0.00500	mg/L	1	5/15/2009 05:43 PM
Zinc	0.201		0.00500	mg/L	1	5/15/2009 05:43 PM
SEMIVOLATILES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
2-Methylphenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
2-Nitroaniline	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
2-Nitrophenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
3-Nitroaniline	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
4-Nitroaniline	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
4-Nitrophenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Acenaphthene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Acenaphthylene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 26-May-09

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 0905157

Sample ID: Inj. Well

Lab ID: 0905157-01

Collection Date: 5/7/2009 01:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Anthracene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Benzidine	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Hexachloroethane	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Isophorone	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Naphthalene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Nitrobenzene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Pentachlorophenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Phenanthrene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Phenol	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
Pyrene	ND		0.0050	mg/L	1	5/14/2009 05:13 PM
<i>Surr: 2,4,6-Tribromophenol</i>	72.0		42-124	%REC	1	5/14/2009 05:13 PM
<i>Surr: 2-Fluorobiphenyl</i>	77.6		48-120	%REC	1	5/14/2009 05:13 PM
<i>Surr: 2-Fluorophenol</i>	61.0		20-120	%REC	1	5/14/2009 05:13 PM
<i>Surr: 4-Terphenyl-d14</i>	68.3		51-135	%REC	1	5/14/2009 05:13 PM
<i>Surr: Nitrobenzene-d5</i>	84.1		41-120	%REC	1	5/14/2009 05:13 PM
<i>Surr: Phenol-d6</i>	67.6		20-120	%REC	1	5/14/2009 05:13 PM
VOLATILES			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
2-Butanone	ND		0.010	mg/L	1	5/13/2009 05:20 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	5/13/2009 05:20 PM
2-Hexanone	ND		0.010	mg/L	1	5/13/2009 05:20 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	5/13/2009 05:20 PM
Acetone	0.089		0.010	mg/L	1	5/13/2009 05:20 PM
Benzene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Bromodichloromethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Bromoform	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Bromomethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Carbon disulfide	ND		0.010	mg/L	1	5/13/2009 05:20 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	5/13/2009 05:20 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 26-May-09

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Inj. Well

Collection Date: 5/7/2009 01:15 PM

Work Order: 0905157

Lab ID: 0905157-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Chloroethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Chloroform	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Chloromethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Dibromochloromethane	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Ethylbenzene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
m,p-Xylene	ND		0.010	mg/L	1	5/13/2009 05:20 PM
Methylene chloride	ND		0.010	mg/L	1	5/13/2009 05:20 PM
Styrene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Tetrachloroethene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Toluene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Trichloroethene	ND		0.0050	mg/L	1	5/13/2009 05:20 PM
Vinyl acetate	ND		0.010	mg/L	1	5/13/2009 05:20 PM
Vinyl chloride	ND		0.0020	mg/L	1	5/13/2009 05:20 PM
Xylenes, Total	ND		0.015	mg/L	1	5/13/2009 05:20 PM
Surr: 1,2-Dichloroethane-d4	102		70-125	%REC	1	5/13/2009 05:20 PM
Surr: 4-Bromofluorobenzene	102		72-125	%REC	1	5/13/2009 05:20 PM
Surr: Dibromofluoromethane	112		71-125	%REC	1	5/13/2009 05:20 PM
Surr: Toluene-d8	105		75-125	%REC	1	5/13/2009 05:20 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	5/13/2009
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	5/13/2009
ANIONS			E300			Analyst: IGF
Chloride	189		10.0	mg/L	20	5/8/2009 01:07 PM
Sulfate	1,340		25.0	mg/L	50	5/8/2009 04:13 PM
Surr: Selenate (surr)	100		85-115	%REC	20	5/8/2009 01:07 PM
Surr: Selenite (surr)	99.3		85-115	%REC	50	5/8/2009 04:13 PM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	294		5.00	mg/L	1	5/14/2009 02:30 PM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	5/14/2009 02:30 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	5/14/2009 02:30 PM
Alkalinity, Total (As CaCO ₃)	294		5.00	mg/L	1	5/14/2009 02:30 PM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: TDW
Specific Conductivity	4,370		1.00	μmhos/cm	1	5/8/2009 04:30 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 26-May-09

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 0905157

Sample ID: Inj. Well

Lab ID: 0905157-01

Collection Date: 5/7/2009 01:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
IGNITIBILITY Ignitability	> 160		SW1010 50.0 °F		1	Analyst: KKP 5/8/2009 06:30 PM
PH pH	7.52	H	SM4500H+ B 0.100 pH units		1	Analyst: TDW 5/8/2009 03:00 PM
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	2,740		M2540C 10.0 mg/L		1	Analyst: TDW 5/8/2009 03:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Page 1 of 1

ALS Work Order #: D03137

Parameter/Method Request for Analysis

Project Information

Customer Information		Project Name		Injection Well Quarterly		Project Number		VOC (8280) Select	
Purchase Order		Project Name		Navajo Refining Company		Project Number		A	VOC (8280) Select
Work Order		Bill To Company						B	SVOC (8270) Select
Company Name	Navajo Refining Company	Address						C	Total Metals (6020/7000) Select
Send Report To	Aaron Strange	Invoice Attn						D	RCI Profile
City/State/Zip	P.O. Box 159	Address						E	Anions (300) Cl, SO4
Phone	(505) 748-3311	City/State/Zip	P.O. Box 159	Address				F	Alkalinity
Fax	(505) 746-5421	Phone	(505) 748-3311	City/State/Zip	Artesia, NM 88211	Address		G	pH
e-Mail Address	astrange@seeham.com	Fax	(505) 746-5421	Phone	(505) 748-3311	City/State/Zip		H	Conductivity
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	I	
1	Inj. Well	5/27/09	1315	L	Y	9	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
Shipment Method		Required Turnaround Time: (Check Box)						Results Due Date:	
Fed Ex		<input checked="" type="checkbox"/> Std 10 Wk Days		<input checked="" type="checkbox"/> Std 5 Wk Days		<input checked="" type="checkbox"/> Std 2 Wk Days		24 Hour	
Received by:		Received by (Laboratory):		Cooler ID:		Cooler Temp:		Offices:	
Aaron Strange		Date: 5/27/09 Time: 1615		Date: 5/27/09		Time: 1615		Notes: 10 Work Days TAT.	
Requisitioned by:		Checked by (Laboratory):		QC Package:		QC Temp:		Results Due Date:	
Aaron Strange		Date: 5/27/09		Check One Box Below:					
Preservative Key:		1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2SO4 6-NaHSO4 7-Other		<input checked="" type="checkbox"/> Level I Std QC/Raw Date		<input type="checkbox"/> TRP CheckList			
				<input type="checkbox"/> Level II Std QC/Raw Date		<input type="checkbox"/> TRP Level IV			
				<input type="checkbox"/> Level III Std QC/Raw Date		<input type="checkbox"/> TRP Level V			
				<input type="checkbox"/> Level IV Std QC/Raw Date		<input type="checkbox"/> Other			

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Date: 18-Aug-09

Client: ALS Laboratory Group

Project: 0908302

Sample ID: 0908302-01F

Collection Date: 8/12/2009 08:10 AM

Work Order: 0908263

Lab ID: 0908263-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Prep Date: 8/17/2009 Analyst: DB 8/17/2009
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Prep Date: 8/17/2009 Analyst: DB 8/17/2009

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 21-Aug-09

Client: Holly Energy Partners
 Project: Injection Well Quarterly
 Sample ID: Inj. Well
 Collection Date: 8/12/2009 08:10 AM

Work Order: 0908302
 Lab ID: 0908302-01
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury	ND		0.000200	mg/L	1	8/19/2009 03:18 PM
METALS			SW6020			
Aluminum	0.133		0.0500	mg/L	5	8/17/2009 05:53 PM
Arsenic	0.124		0.00500	mg/L	1	8/15/2009 03:32 AM
Barium	0.0226		0.00500	mg/L	1	8/15/2009 03:32 AM
Beryllium	ND		0.00200	mg/L	1	8/15/2009 03:32 AM
Boron	0.166		0.0200	mg/L	1	8/15/2009 03:32 AM
Cadmium	ND		0.00200	mg/L	1	8/15/2009 03:32 AM
Calcium	125		0.500	mg/L	1	8/15/2009 03:32 AM
Chromium	ND		0.00500	mg/L	1	8/15/2009 03:32 AM
Cobalt	ND		0.00500	mg/L	1	8/15/2009 03:32 AM
Copper	ND		0.00500	mg/L	1	8/15/2009 03:32 AM
Iron	0.666		0.200	mg/L	1	8/15/2009 03:32 AM
Lead	ND		0.00500	mg/L	1	8/15/2009 03:32 AM
Magnesium	38.1		0.200	mg/L	1	8/15/2009 03:32 AM
Manganese	0.0734		0.00500	mg/L	1	8/15/2009 03:32 AM
Molybdenum	0.187		0.00500	mg/L	1	8/15/2009 03:32 AM
Nickel	0.00665		0.00500	mg/L	1	8/15/2009 03:32 AM
Potassium	44.4		0.200	mg/L	1	8/15/2009 03:32 AM
Selenium	0.492		0.00500	mg/L	1	8/15/2009 03:32 AM
Silver	ND		0.00500	mg/L	1	8/15/2009 03:32 AM
Sodium	666		1.00	mg/L	5	8/17/2009 05:53 PM
Vanadium	ND		0.00500	mg/L	1	8/15/2009 03:32 AM
Zinc	0.0237		0.00500	mg/L	1	8/15/2009 03:32 AM
SEMICVOLATILES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
2-Methylphenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
2-Nitroaniline	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
2-Nitrophenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
3-Nitroaniline	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
4-Nitroaniline	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
4-Nitrophenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Acenaphthene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Acenaphthylene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 21-Aug-09

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 8/12/2009 08:10 AM

Work Order: 0908302
Lab ID: 0908302-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Anthracene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Benzidine	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Hexachloroethane	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Isophorone	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Naphthalene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Nitrobenzene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Pentachlorophenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Phenanthrene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Phenol	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
Pyrene	ND		0.0050	mg/L	1	8/19/2009 03:27 PM
<i>Surr: 2,4,6-Tribromophenol</i>	106		42-124	%REC	1	8/19/2009 03:27 PM
<i>Surr: 2-Fluorobiphenyl</i>	59.0		48-120	%REC	1	8/19/2009 03:27 PM
<i>Surr: 2-Fluorophenol</i>	49.2		20-120	%REC	1	8/19/2009 03:27 PM
<i>Surr: 4-Terphenyl-d14</i>	73.9		51-135	%REC	1	8/19/2009 03:27 PM
<i>Surr: Nitrobenzene-d5</i>	61.6		41-120	%REC	1	8/19/2009 03:27 PM
<i>Surr: Phenol-d6</i>	56.0		20-120	%REC	1	8/19/2009 03:27 PM
VOLATILES						
			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
2-Butanone	ND		0.010	mg/L	1	8/14/2009 08:23 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	8/14/2009 08:23 PM
2-Hexanone	ND		0.010	mg/L	1	8/14/2009 08:23 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	8/14/2009 08:23 PM
Acetone	0.048		0.010	mg/L	1	8/14/2009 08:23 PM
Benzene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Bromodichloromethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Bromoform	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Bromomethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Carbon disulfide	ND		0.010	mg/L	1	8/14/2009 08:23 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	8/14/2009 08:23 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 21-Aug-09

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 8/12/2009 08:10 AM

Work Order: 0908302
Lab ID: 0908302-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Chloroethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Chloroform	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Chloromethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Dibromochloromethane	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Ethylbenzene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
m,p-Xylene	ND		0.010	mg/L	1	8/14/2009 08:23 PM
Methylene chloride	ND		0.010	mg/L	1	8/14/2009 08:23 PM
Styrene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Tetrachloroethene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Toluene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Trichloroethene	ND		0.0050	mg/L	1	8/14/2009 08:23 PM
Vinyl acetate	ND		0.010	mg/L	1	8/14/2009 08:23 PM
Vinyl chloride	ND		0.0020	mg/L	1	8/14/2009 08:23 PM
Xylenes, Total	ND		0.015	mg/L	1	8/14/2009 08:23 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	92.9		70-125	%REC	1	8/14/2009 08:23 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.0		72-125	%REC	1	8/14/2009 08:23 PM
<i>Surr: Dibromofluoromethane</i>	98.5		71-125	%REC	1	8/14/2009 08:23 PM
<i>Surr: Toluene-d8</i>	102		75-125	%REC	1	8/14/2009 08:23 PM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	8/17/2009
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	8/17/2009
ANIONS			E300			Analyst: IGF
Chloride	402		10.0	mg/L	20	8/14/2009 08:10 PM
Sulfate	1,730		25.0	mg/L	50	8/14/2009 08:34 PM
<i>Surr: Selenate (surr)</i>	98.7		85-115	%REC	50	8/14/2009 08:34 PM
<i>Surr: Selenite (surr)</i>	99.6		85-115	%REC	20	8/14/2009 08:10 PM
ALKALINITY			SM2320B			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	220		5.00	mg/L	1	8/21/2009 07:00 AM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	8/21/2009 07:00 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	8/21/2009 07:00 AM
Alkalinity, Total (As CaCO ₃)	220		5.00	mg/L	1	8/21/2009 07:00 AM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: IGF
Specific Conductivity	4,640		1.00	μmhos/cm	1	8/18/2009 02:50 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 21-Aug-09

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Inj. Well
Collection Date: 8/12/2009 08:10 AM

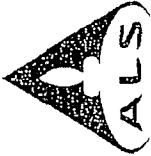
Work Order: 0908302
Lab ID: 0908302-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
IGNITABILITY Ignitability	> 160		SW1010 50.0	°F	1	Analyst: KKP 8/18/2009 01:00 PM
PH pH	7.81	H	SM4500H+ B 0.100	pH units	1	Analyst: IGF 8/13/2009 04:30 PM
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	3,160		M2540C 10.0	mg/L	1	Analyst: KKP 8/14/2009 05:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group **Chain of Custody Form** **ALS Laboratory Group**

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Page of

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Holland, MI 49424-9263

Tel: +1 616 399 6070

Fax: +1 616 399 6185

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order		Project Name	Injection Well Quarterly	A	VOC (8260) Select										
Work Order		Project Number		B	SVOC (8270) Select										
Company Name	Navajo Refining Company	Bill To Company	Navajo Refining Company	C	Total Metals (6020/7000) Select										
Send Report To	Aaron Strange	Invoice Attn	Aaron Strange	D	RCI Profile										
Address	P.O. Box 159	Address		E	Anions (300) Cl, SO4										
City/State/Zip	Artesia, NM 88211	City/State/Zip	Artesia, NM 88211	F	Alkalinity										
Phone	575 748-3311	Phone	575 748-3311	G	pH										
Fax	575 746-5421	Fax	575 746-5421	H	Conductivity										
e-Mail Address		e-Mail Address		I	TDS										
No.	Sample Description	Date	Time	J											
1	Well 1	8-12-09	0810	L											
2				Y											
3				9	X										
4					X										
5					X										
6					X										
7					X										
8					X										
9					X										
10					X										
Sample(s) Please Print & Sign	Shipment Method	Required Turnaround Time (Check Box)	Results Due Date:												
Aaron Strange	Fed Ex	Std: 10 Wk Days	<input checked="" type="checkbox"/>	Std: 5 Wk Days	<input checked="" type="checkbox"/>	Std: 2 Wk Days	<input checked="" type="checkbox"/>	Std: 1 Week	<input checked="" type="checkbox"/>	Std: 1 Day	<input checked="" type="checkbox"/>	QC Package: (Check One Box Below)			
Relinquished by:	Received by (Laboratory):	QC cooler ID:	QC temp:												
Aaron Strange	8-12-09	Time: 10:15	Time: 10:15												
Preservative Key:	1-HCl, 2-HNO3, 3-H2SO4, 4-NaOH, 5-Na2SO3, 6-NaHSO3, 7-Other	Time: 10:15	Time: 10:15												
Staged by (Laboratory):	Date:	Checked by (Laboratory):													
<input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist <input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV SWB/ICP <input type="checkbox"/> Other _____															

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.

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ALS Laboratory Group

Date: 25-Nov-09

Client: ALS Laboratory Group**Project:** 0911524**Sample ID:** 0911524-01F**Collection Date:** 11/19/2009 01:58 PM**Work Order:** 0911500**Lab ID:** 0911500-01**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: AJK 11/24/2009 10:15 AM
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Analyst: AJK 11/24/2009 10:15 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 08-Dec-09

Client: Holly Energy Partners
 Project: Injection Well Quarterly
 Sample ID: Injection Well
 Collection Date: 11/19/2009 01:58 PM

Work Order: 0911524
 Lab ID: 0911524-01
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY			SW7470			
Mercury		ND	0.000200	mg/L	1	11/25/2009 03:14 PM
METALS			SW6020			
Aluminum	0.329		0.0100	mg/L	1	11/25/2009 08:09 PM
Arsenic	0.111		0.00500	mg/L	1	11/25/2009 08:09 PM
Barium	0.0198		0.00500	mg/L	1	11/25/2009 08:09 PM
Beryllium	ND		0.00200	mg/L	1	11/25/2009 08:09 PM
Boron	0.258		0.0200	mg/L	1	11/25/2009 08:09 PM
Cadmium	ND		0.00200	mg/L	1	11/25/2009 08:09 PM
Calcium	147		0.500	mg/L	1	11/25/2009 08:09 PM
Chromium	ND		0.00500	mg/L	1	11/25/2009 08:09 PM
Cobalt	ND		0.00500	mg/L	1	11/25/2009 08:09 PM
Copper	ND		0.00500	mg/L	1	11/25/2009 08:09 PM
Iron	ND		0.200	mg/L	1	11/25/2009 08:09 PM
Lead	ND		0.00500	mg/L	1	11/25/2009 08:09 PM
Magnesium	46.6		0.200	mg/L	1	11/25/2009 08:09 PM
Manganese	0.0634		0.00500	mg/L	1	11/25/2009 08:09 PM
Molybdenum	0.155		0.00500	mg/L	1	11/25/2009 08:09 PM
Nickel	0.00618		0.00500	mg/L	1	11/25/2009 08:09 PM
Potassium	16.4		0.200	mg/L	1	11/25/2009 08:09 PM
Selenium	0.428		0.0500	mg/L	10	11/30/2009 05:14 PM
Silver	ND		0.00500	mg/L	1	11/25/2009 08:09 PM
Sodium	1,060		40.0	mg/L	200	11/30/2009 07:41 PM
Vanadium	ND		0.00500	mg/L	1	11/25/2009 08:09 PM
Zinc	0.0382		0.00500	mg/L	1	11/25/2009 08:09 PM
SEMIVOLATILES			SW8270			
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
2-Methylphenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
2-Nitroaniline	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
2-Nitrophenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
3-Nitroaniline	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
4-Nitroaniline	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
4-Nitrophenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Acenaphthene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Acenaphthylene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 08-Dec-09

Client: Holly Energy Partners
 Project: Injection Well Quarterly
 Sample ID: Injection Well
 Collection Date: 11/19/2009 01:58 PM

Work Order: 0911524
 Lab ID: 0911524-01
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Anthracene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Benzidine	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Hexachloroethane	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Isophorone	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Naphthalene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Nitrobenzene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Pentachlorophenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Phenanthrrene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Phenol	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Pyrene	ND		0.0050	mg/L	1	12/3/2009 07:19 PM
Surr: 2,4,6-Tribromophenol	79.3		42-124	%REC	1	12/3/2009 07:19 PM
Surr: 2-Fluorobiphenyl	70.6		48-120	%REC	1	12/3/2009 07:19 PM
Surr: 2-Fluorophenol	63.0		20-120	%REC	1	12/3/2009 07:19 PM
Surr: 4-Terphenyl-d14	66.4		51-135	%REC	1	12/3/2009 07:19 PM
Surr: Nitrobenzene-d5	69.2		41-120	%REC	1	12/3/2009 07:19 PM
Surr: Phenol-d6	63.3		20-120	%REC	1	12/3/2009 07:19 PM
VOLATILES			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
1,1-Dichloroethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
1,1-Dichloroethene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
1,2-Dichloroethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
2-Butanone	0.010		0.010	mg/L	1	11/26/2009 12:50 AM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	11/26/2009 12:50 AM
2-Hexanone	ND		0.010	mg/L	1	11/26/2009 12:50 AM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	11/26/2009 12:50 AM
Acetone	0.043		0.010	mg/L	1	11/26/2009 12:50 AM
Benzene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Bromodichloromethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Bromoform	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Bromomethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Carbon disulfide	ND		0.010	mg/L	1	11/26/2009 12:50 AM
Carbon tetrachloride	ND		0.0050	mg/L	1	11/26/2009 12:50 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 08-Dec-09

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Injection Well
Collection Date: 11/19/2009 01:58 PM

Work Order: 0911524
Lab ID: 0911524-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Chloroethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Chloroform	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Chloromethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Dibromochloromethane	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Ethylbenzene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
m,p-Xylene	ND		0.010	mg/L	1	11/26/2009 12:50 AM
Methylene chloride	ND		0.010	mg/L	1	11/26/2009 12:50 AM
Styrene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Tetrachloroethene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Toluene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Trichloroethene	ND		0.0050	mg/L	1	11/26/2009 12:50 AM
Vinyl acetate	ND		0.010	mg/L	1	11/26/2009 12:50 AM
Vinyl chloride	ND		0.0020	mg/L	1	11/26/2009 12:50 AM
Xylenes, Total	ND		0.015	mg/L	1	11/26/2009 12:50 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	105		70-125	%REC	1	11/26/2009 12:50 AM
<i>Surr: 4-Bromofluorobenzene</i>	99.3		72-125	%REC	1	11/26/2009 12:50 AM
<i>Surr: Dibromofluoromethane</i>	84.1		71-125	%REC	1	11/26/2009 12:50 AM
<i>Surr: Toluene-d8</i>	98.9		75-125	%REC	1	11/26/2009 12:50 AM
REACTIVE CYANIDE			SW-846			Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1	11/24/2009 10:15 AM
REACTIVE SULFIDE			SW-846			Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1	11/24/2009 10:15 AM
ANIONS			E300			Analyst: IGF
Chloride	735		25.0	mg/L	50	11/23/2009 07:41 PM
Sulfate	1,900		25.0	mg/L	50	11/23/2009 07:41 PM
<i>Surr: Selenate (surr)</i>	107		85-115	%REC	50	11/23/2009 07:41 PM
ALKALINITY			SM2320B			Analyst: TDW
Alkalinity, Bicarbonate (As CaCO ₃)	131		5.00	mg/L	1	11/21/2009 01:00 PM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	11/21/2009 01:00 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	11/21/2009 01:00 PM
Alkalinity, Total (As CaCO ₃)	131		5.00	mg/L	1	11/21/2009 01:00 PM
SPECIFIC CONDUCTIVITY			M2510 B			Analyst: TDW
Specific Conductivity	5,970		1.00	μmhos/cm	1	12/1/2009 04:00 PM
IGNITIBILITY			SW1010			Analyst: RPM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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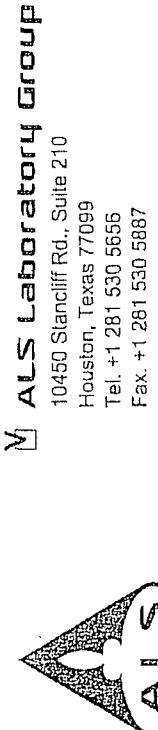
Date: 08-Dec-09

Client: Holly Energy Partners
Project: Injection Well Quarterly
Sample ID: Injection Well
Collection Date: 11/19/2009 01:58 PM

Work Order: 0911524
Lab ID: 0911524-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ignitability	> 160		50.0	°F	1	12/4/2009 01:30 PM
PH pH	7.00	H	SM4500H+ B 0.100	pH units	1	Analyst: TDW 11/20/2009 07:00 PM
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	4,010		M2540C 10.0	mg/L	1	Analyst: TDW 11/21/2009 12:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.



ALS Laboratory Group

10450 Stancill Rd., Suite 210
Houston, Texas 77099
Tel: +1 281 530 5656
Fax: +1 281 530 5887

Chain of Custody Form

3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

Page 1 of 1

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order#		Project Name	Injection Well Quarterly	A	VOC (U560) Select
Work Order#		Project Number		B	SVOC (U710) Select
Company Name	Navajo Refining Company	Bill To Company	Navajo Refining Company	C	Total Metals (60307000) Select
Send Report To	Aaron Strange	Invoice Attn	Aaron Strange	D	RCI Profile
Address	P.O. Box 159	Address	P.O. Box 159	E	Anions (300) Cl, SCN ⁻
City/State/Zip	Atlesia, NM 88211	City/State/Zip	Atlesia, NM 88211	F	Alkalinity
Phone	<u>575</u> 748-3344	Phone	<u>575</u> 748-3344	G	pH
Fax	<u>575</u> 746-5421	Fax	<u>575</u> 746-5421	H	Conductivity
E-Mail Address	<u>aaron.strange@navajorefining.com</u>	e-Mail Address	<u>aaron.strange@navajorefining.com</u>	I	TDS
No.	Sample Description	Date	Time	J	
1	Injection We 11	11-19-09	1359	L	Y
2	trip blank			M	X
3	Temp. Blank			N	X
4				O	X
5				P	X
6				Q	X
7				R	X
8				S	X
9				T	X
0				U	X
Sampler(s) Please Print & Sign		Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:	
Relinquished by:		Fed EX	Received by:	Notes:	
Logged by (Laboratory)		Date:	Time:	Cooler ID:	QC Package: (Check One Box Below)
		11-19-09	10:15	1129	Level II Site QC
					Level III Site QC
					Level III Offsite QC
					Level IV Offsite QC
					Other
Preservative Key:		1-HCl, 2-HNO ₃ , 3-H ₂ SO ₄ , 4-NaOH, 5-Na ₂ SO ₄ , 6-NaHSO ₄ , 7-Other	Date:	S:5035,	

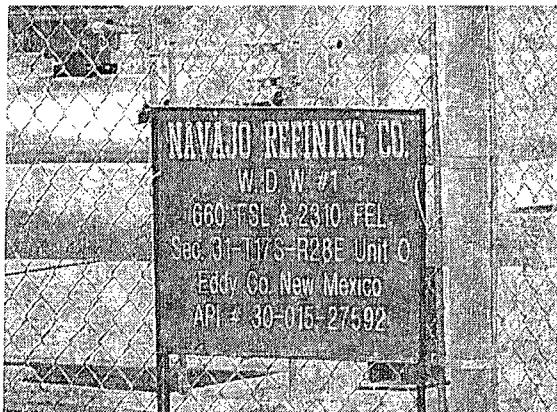
Note: 1. Any changes must be made in writing one samples and COC form have been submitted to ALS Laboratory Group.

2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.

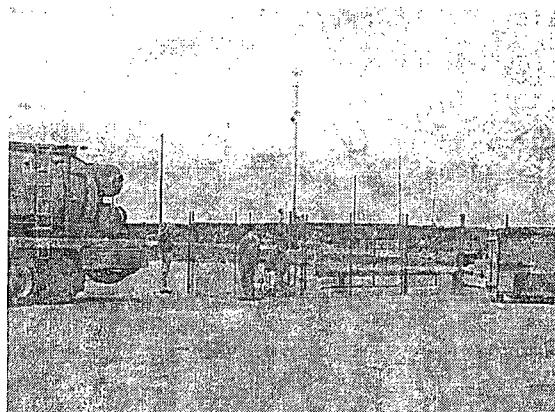
Copyright 2008 by ALS Laboratory Group.

ATTACHMENT 2
MECHANICAL INTEGRITY TESTS

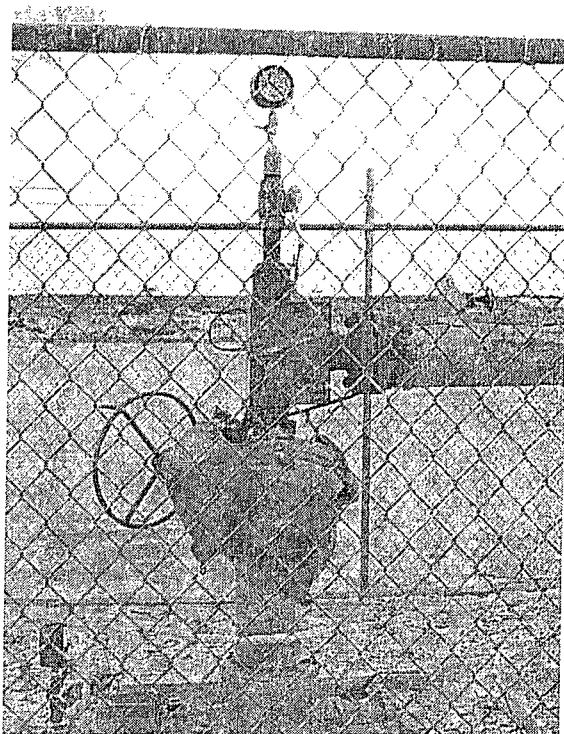
WDW-1 Inspection & MIT (8/14/2009)



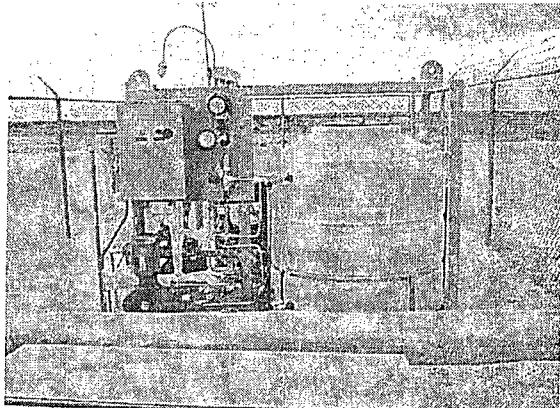
WDW-1 Sign w/ Fenced & Lighted Facility
24/7



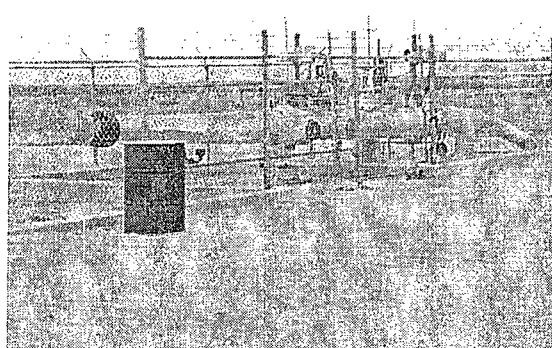
Hot Oil MIT contractor setup for standard annulus pressure test MIT



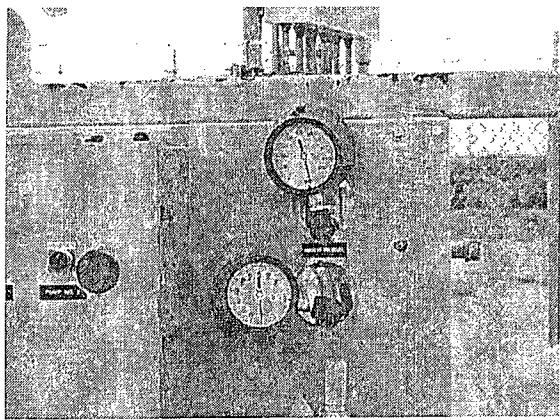
Wellhead



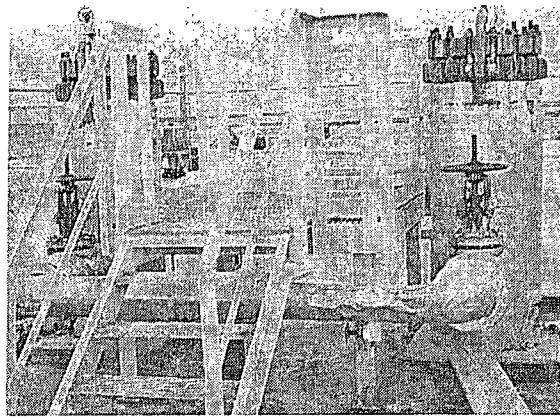
WAMs Unit



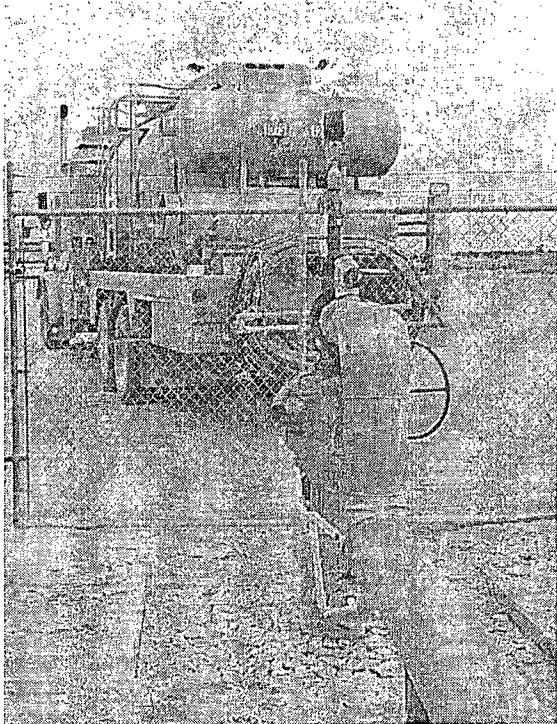
Looking W-SW at fenced pipeline pig station for ~12 mile WDW-1 back to refinery



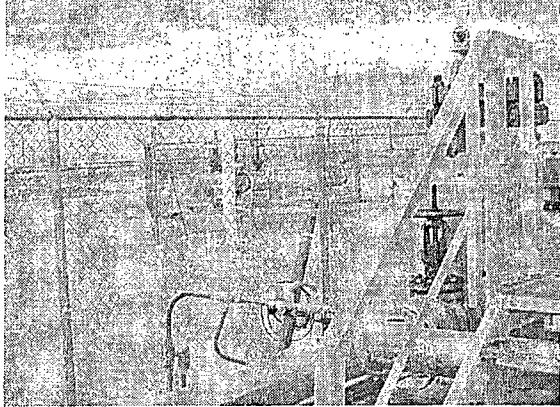
Injection pressure station



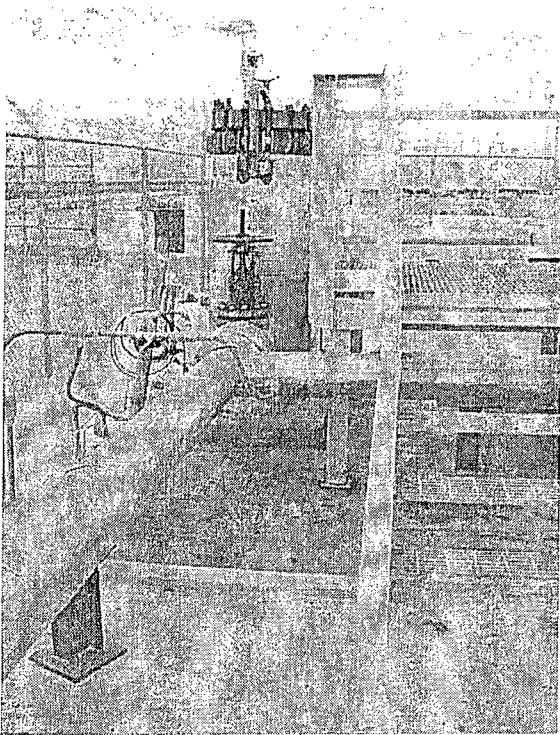
Dual filtration system before injection



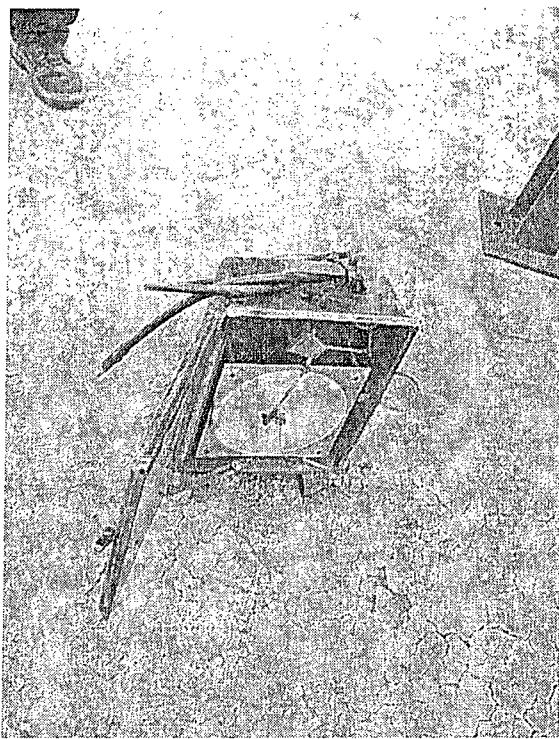
Hot Oil Truck fluid pressure up on annulus



Looking S-SW at pipeline pig station in background



Filtration system



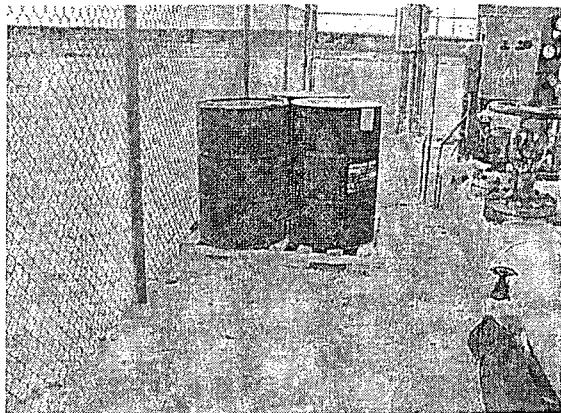
Calibrated chart recorder



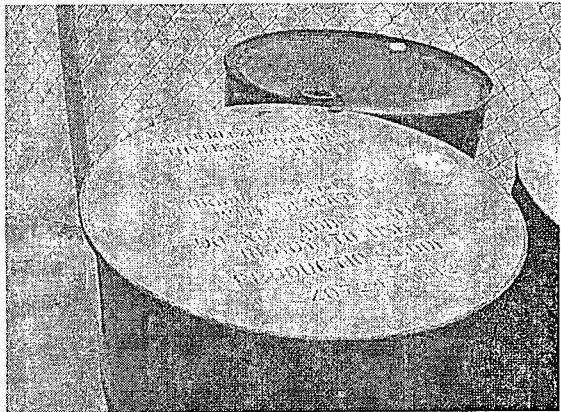
Pre-MIT annulus pressure at ~220 psig



Recommended AFE to replace $\frac{1}{2}$ inch dia. pipe with 1 inch or greater.



Drums of ethylene glycol stored on ground
need to be on impermeable pad



Ethylene glycol drums w/ rusty trash drum
close-up

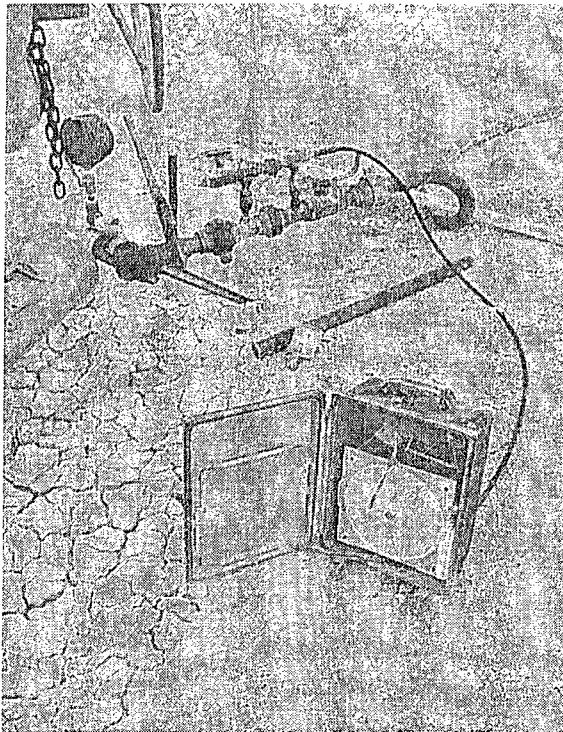
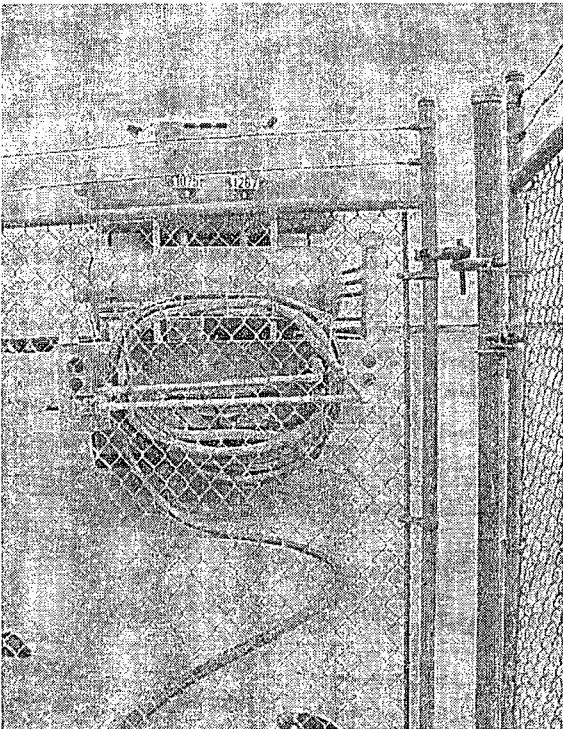


Chart recorder setup w/ valve arrangement
during MIT



Hot Oil truck in background connected to
annulus during fluid pressure up.

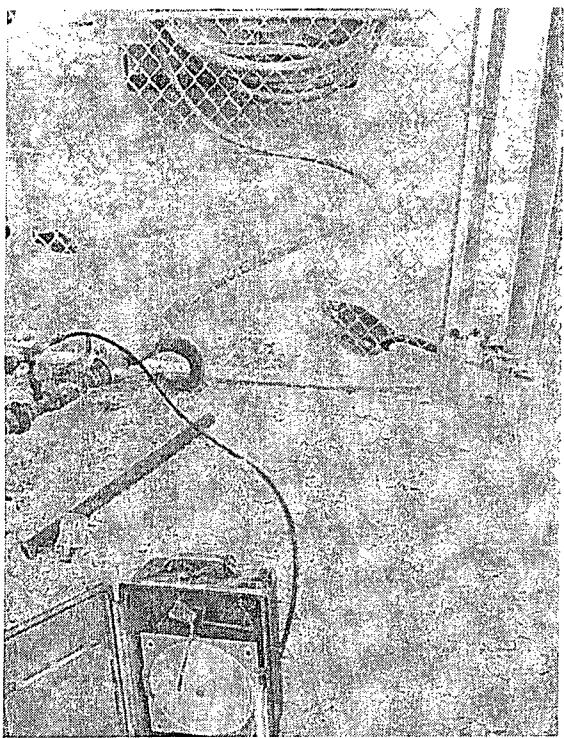


Chart recorder in action

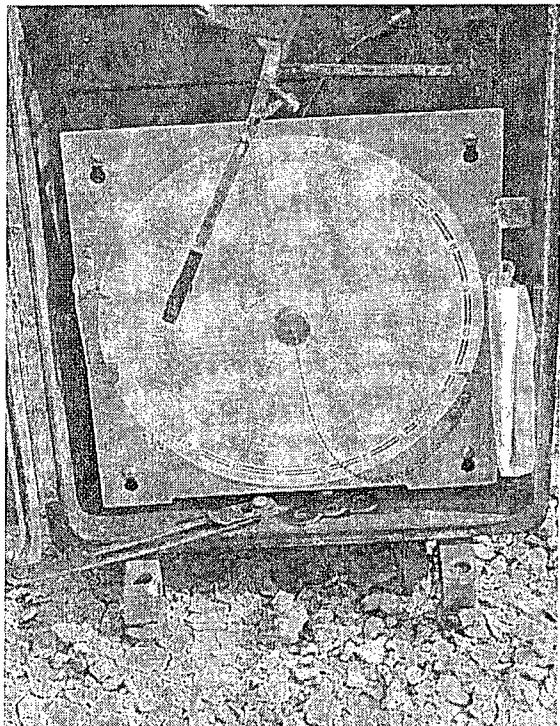
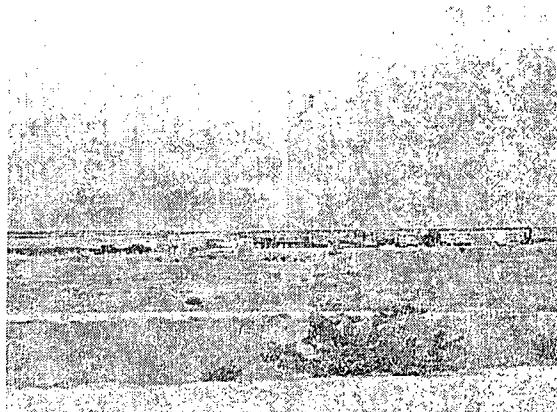
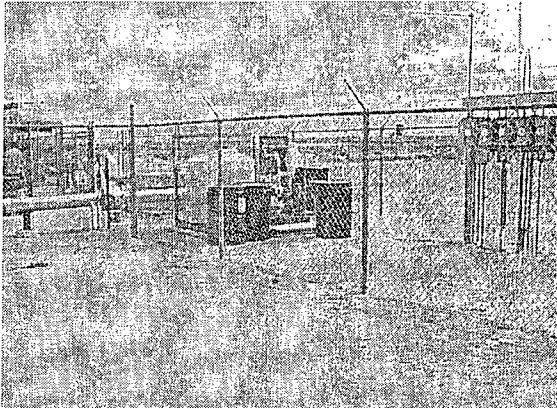


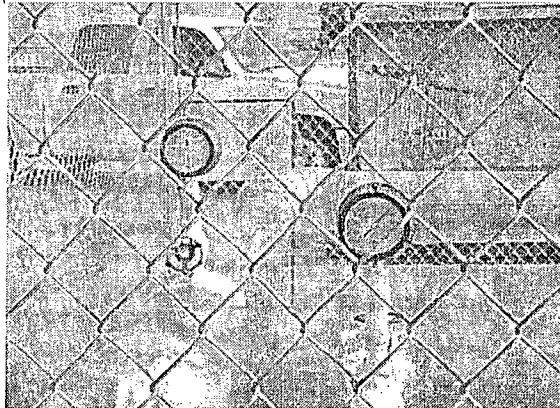
Chart recorder during pressure up w/
calibration sheet



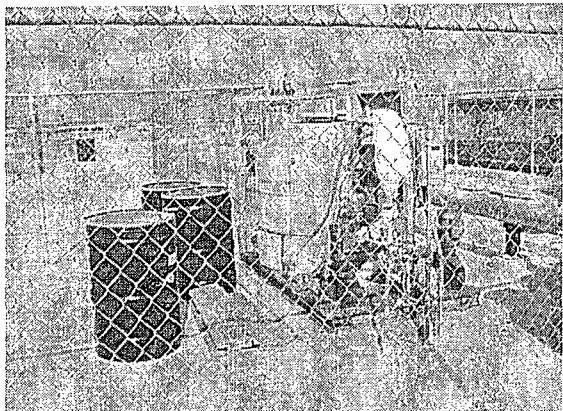
Noticed either new or well workover in
progress NW of disposal well



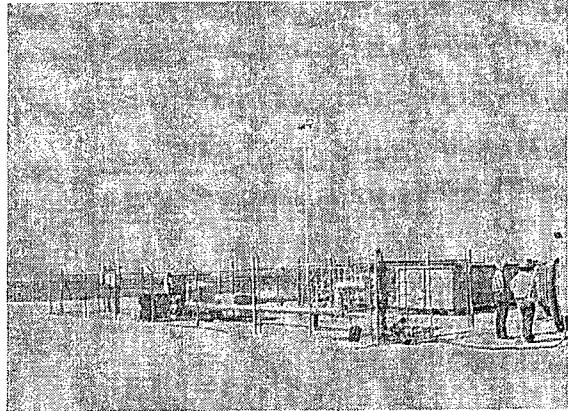
WAMs Unit w/ ethylene glycol drums
sitting on ground



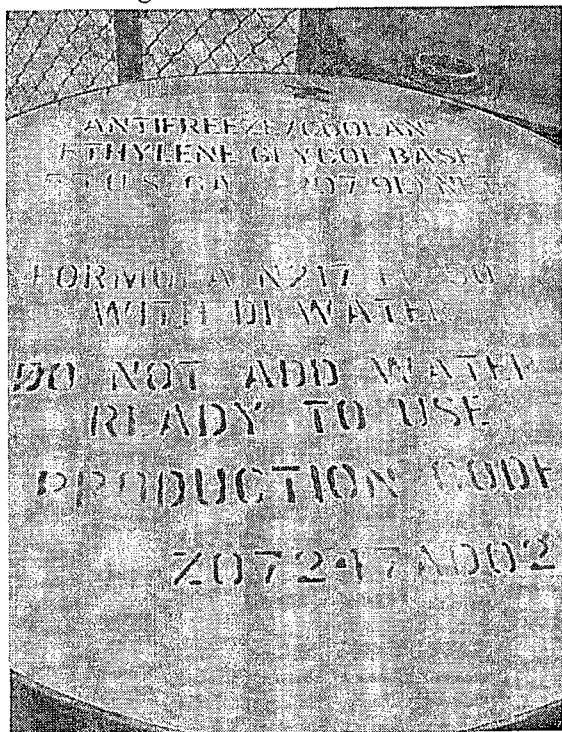
Line pressure gauges ~ 1300 psi injection
pressure during MIT



Drums on ground near WAMs Unit



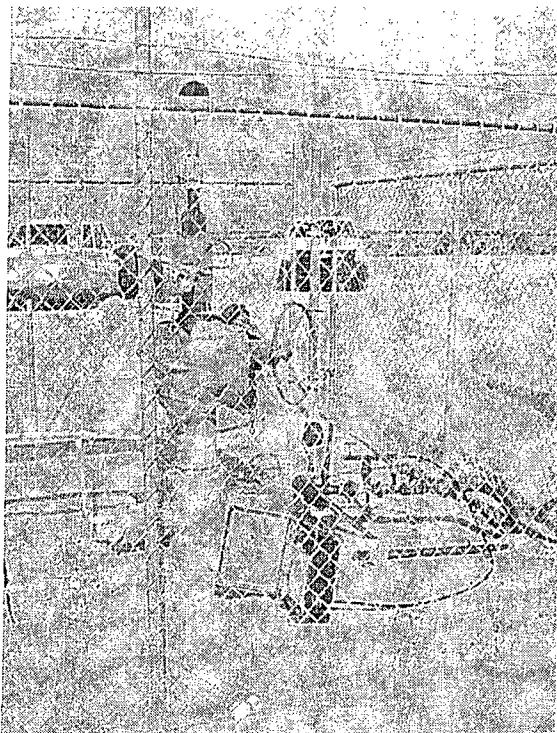
Fenced facility w/ lighting 24/7



Close-up ethylene glycol drum



Hot Oil Truck



Standard annulus pressure test MIT under dynamic condition



Trash drum

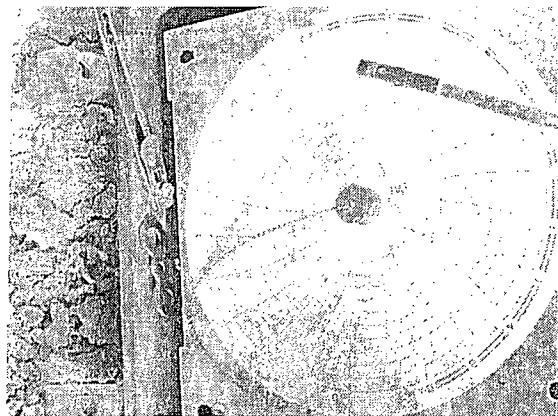


Chart recorder at end of MIT

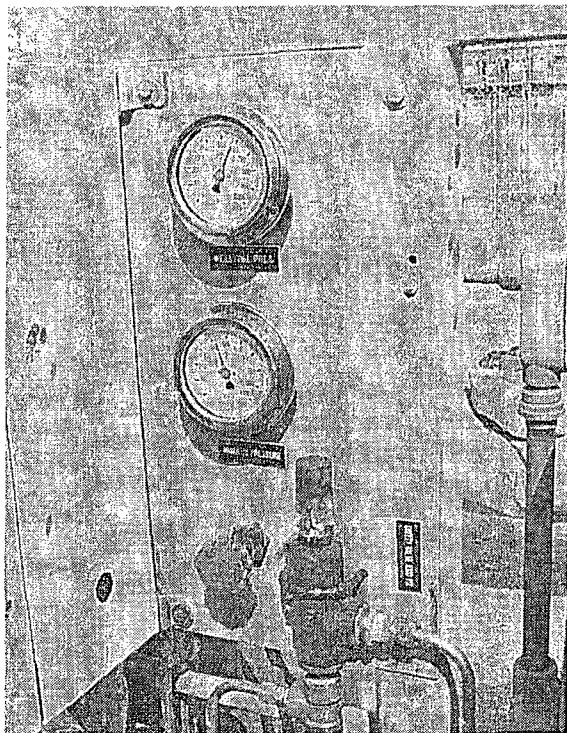
Notes:

- 1) Passed standard annulus pressure MIT (Start @ 575 psig & End @ 580 psig) over 30 minutes.
- 2) AFE submitted to replace $\frac{1}{2}$ inch dia. piping w/ 1 inch or greater- safety and breakage concerns.
- 3) Operator indicated WAMs fluid level ok (no loss or addition of ethylene glycol).
- 4) Drums containing chemicals need to be stored in impermeable pad area or removed from facility.

WDW-2 Inspection & MIT (8/14/2009)



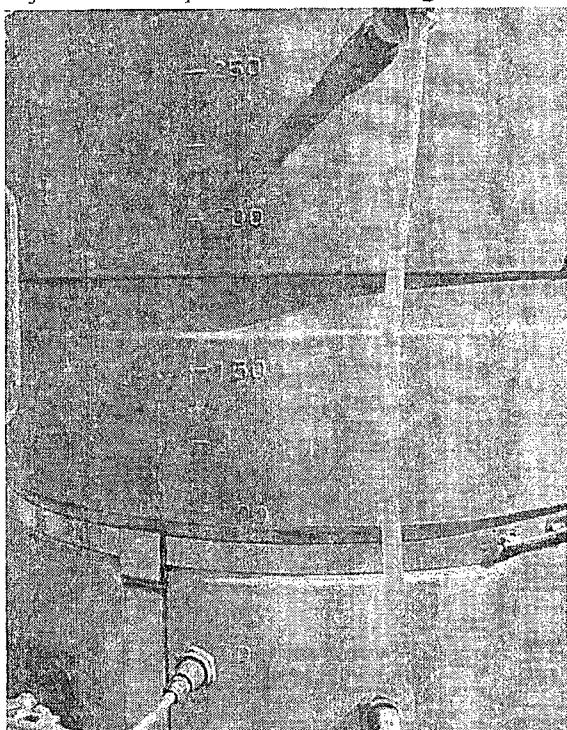
Well sign w/ security fence and lighting
24/7



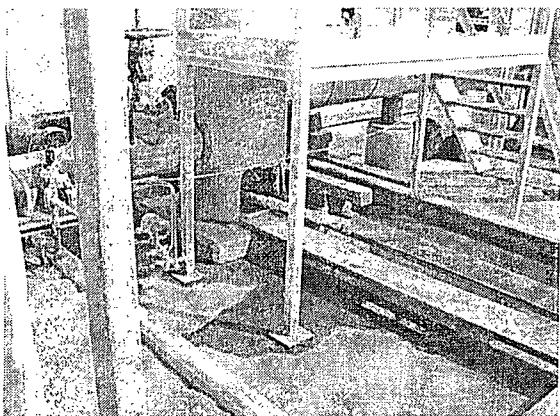
Injection well pressure monitoring station



WAMs Unit annulus fluid level monitoring
device for OCD UIC Class I Wells



WAMs Unit close-up w/ manometer



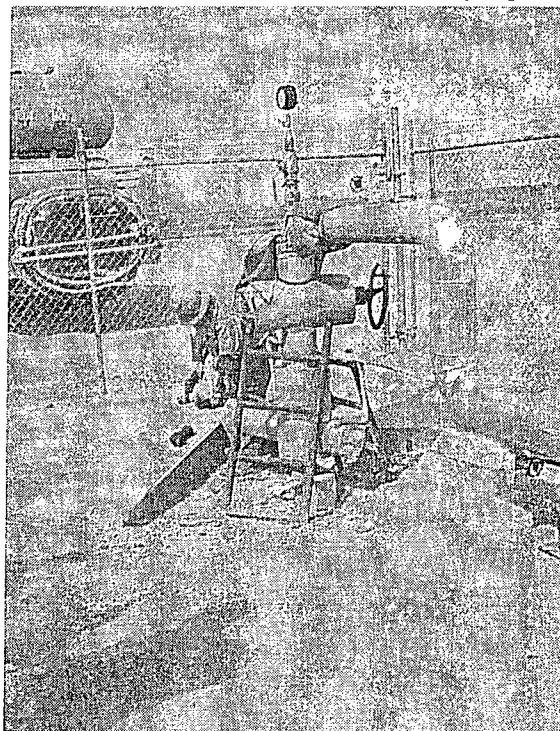
Impermeable curb in process area



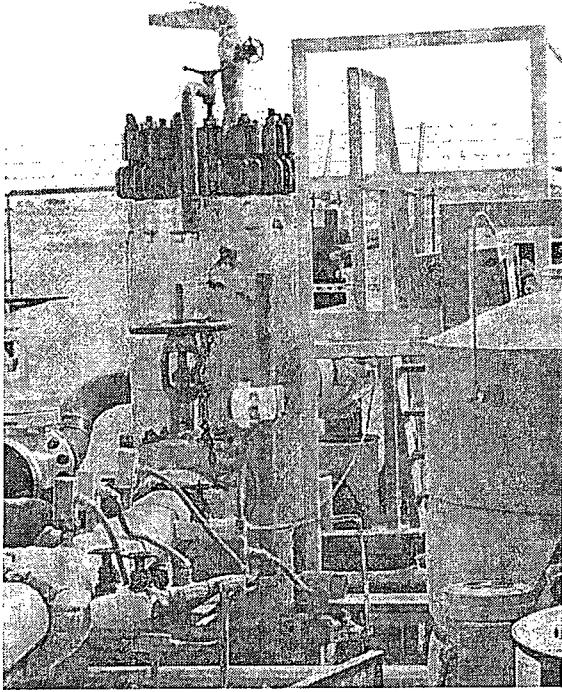
Ethylene glycol fluid needs to be stored on
impermeable pad area



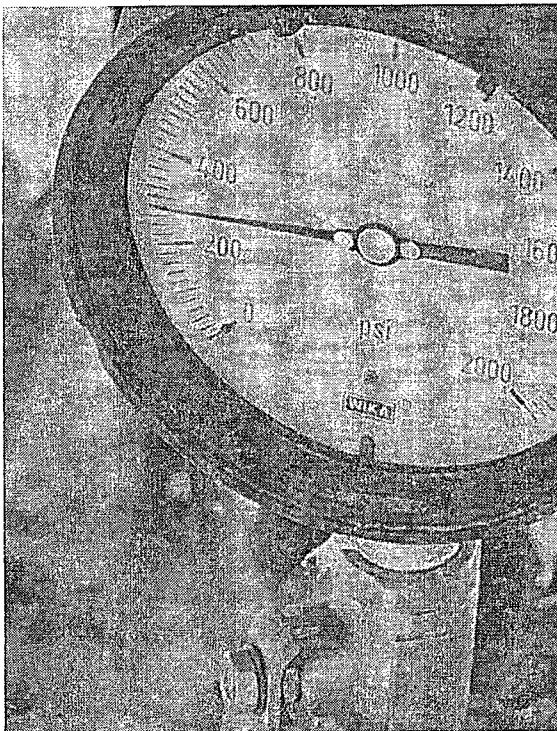
Electronic in-line flow rate monitor gauge



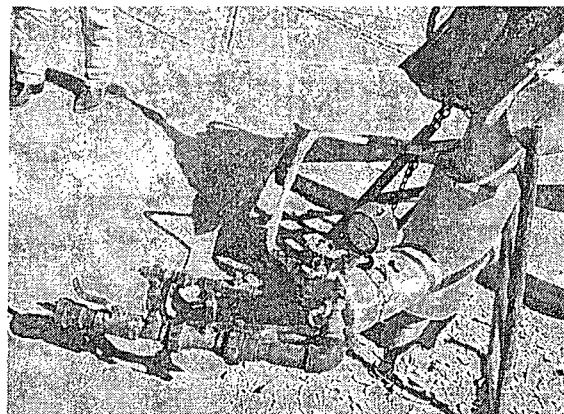
Wellhead w/ Hot Oil Operator preparing to
install chart recorder for MIT



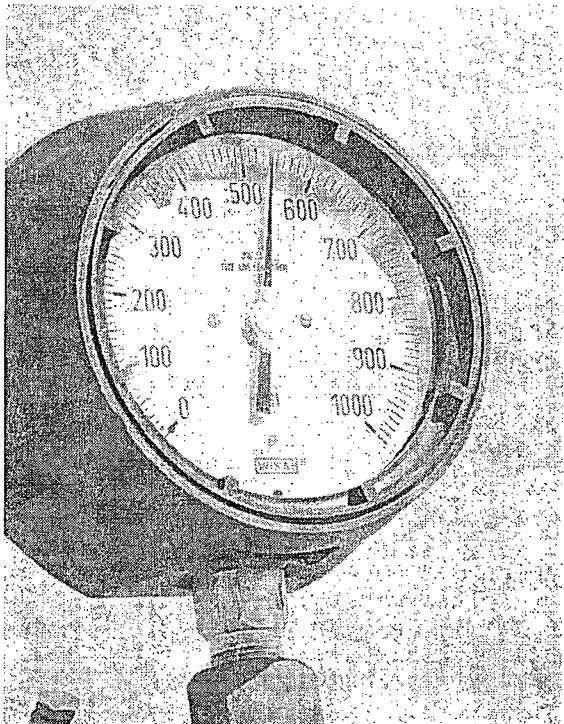
Filtration system before injection w/ boxes
for O&M by workers



Pressure gauge reading ~300 psig pre-MIT



Connection to annulus through small $\frac{1}{2}$ inch dia. fitting



Annulus pressure gauge reading ~ 535 psig
during MIT

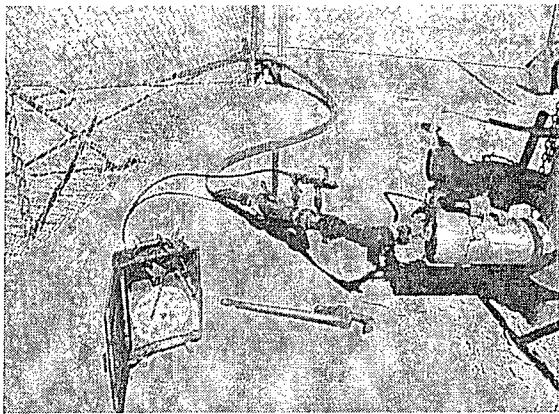
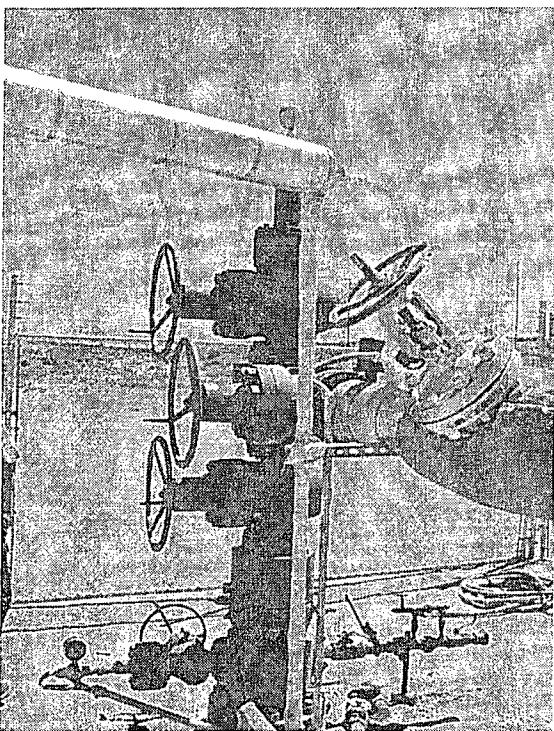
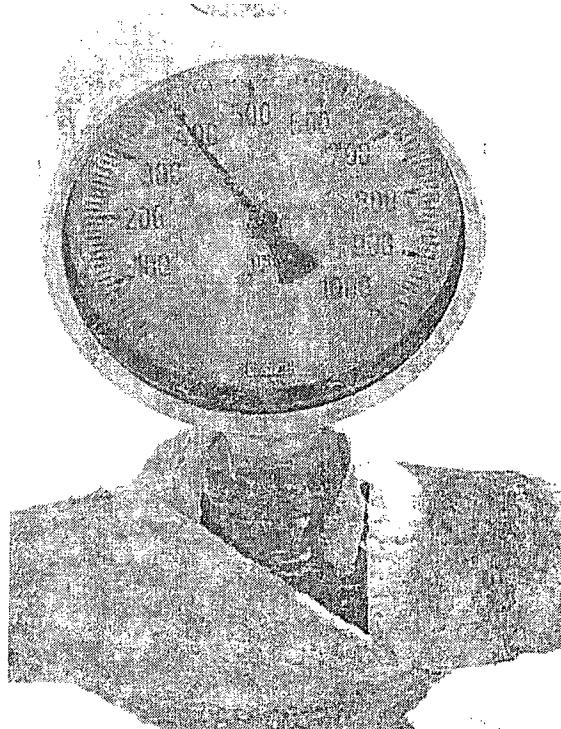


Chart recorder set-up w/ valve arrangement.
Operator wants to replace $\frac{1}{2}$ inch line with 1
inch or greater diameter size due to pressure
on small line and breakage concerns during
MITs.



Wellhead w/ blow-out preventers



Another in-line pressure gauge reading
during pressure up pre-MIT

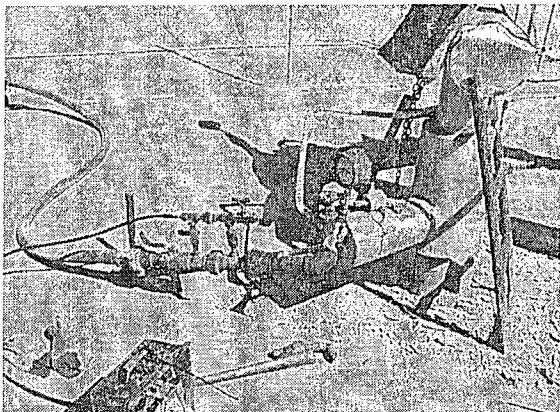
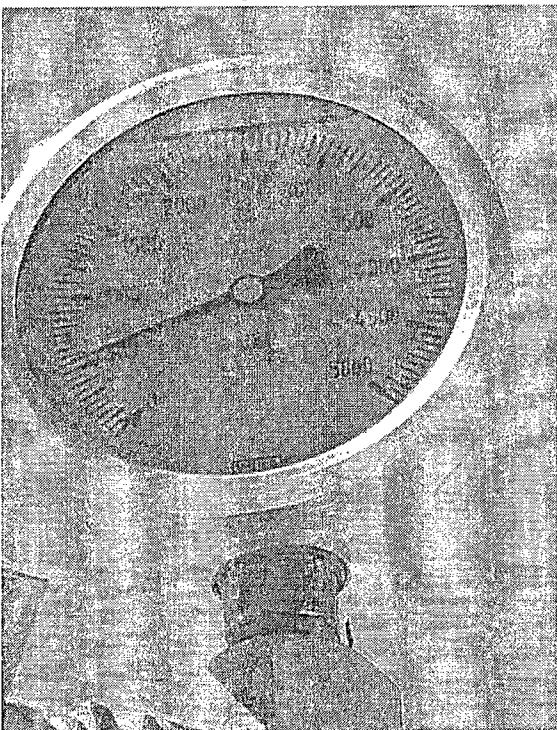


Chart recorder setup w/ valve arrangement

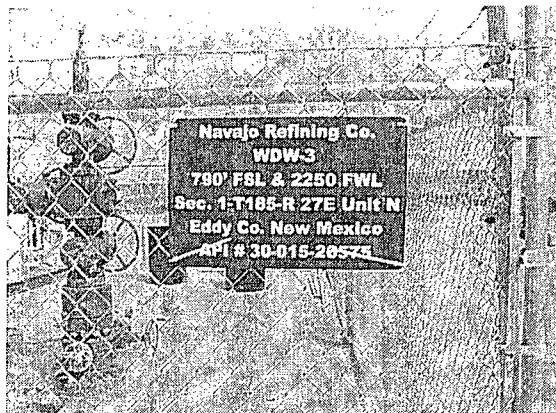


Annulus pressure increasing during pressure up on annulus pre-MIT

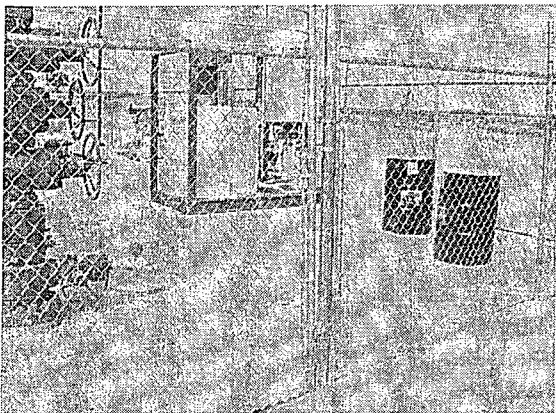
- 1) Passed standard annulus pressure MIT (Start @ 525 psig & End @ 520 psig) over 30 minutes.
- 2) Operator indicated WAMs fluid level ok (no loss or addition of ethylene glycol).
- 3) Drums containing chemicals need to be stored in impermeable pad area or removed from facility.

Notes:

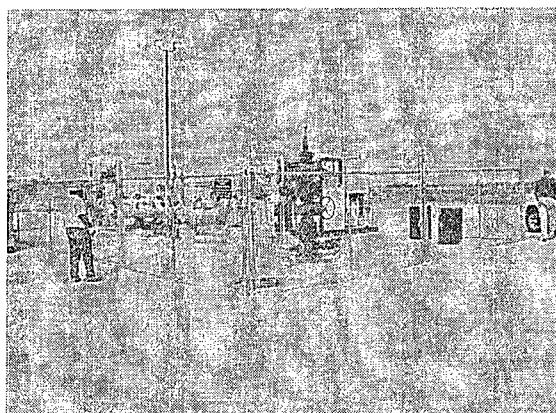
WDW-3 Inspection & MIT (8/14/2009)



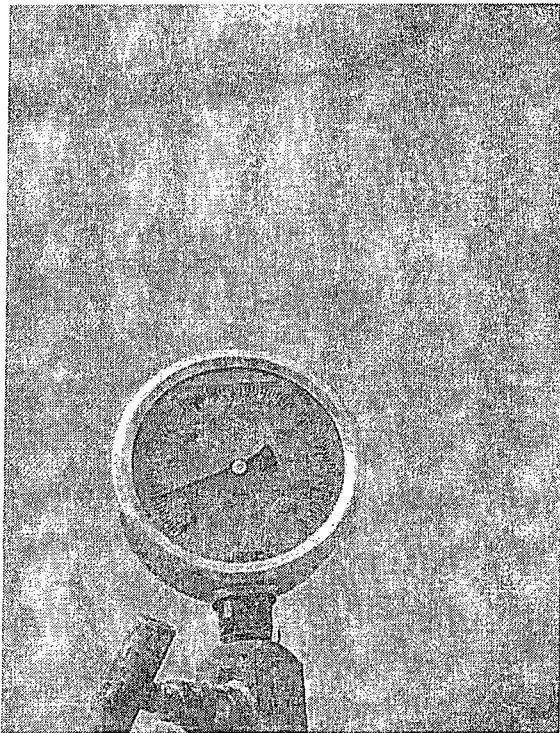
UIC Class I Well WDW-3 sign w/ security fence and lighting 24/7.



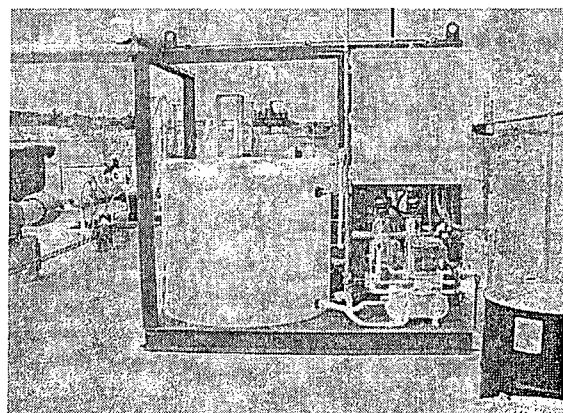
WAMs Unit near wellhead w/ drums of ethylene glycol not stored in impermeable area



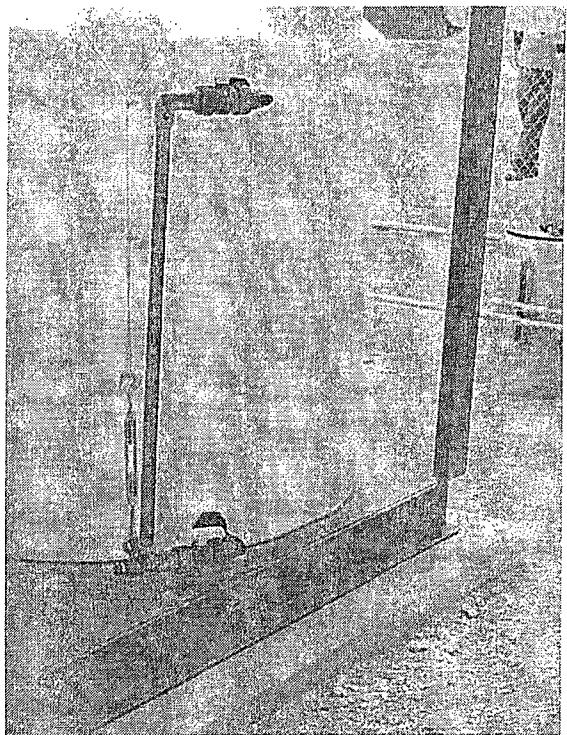
Wellhead from a distance looking SE



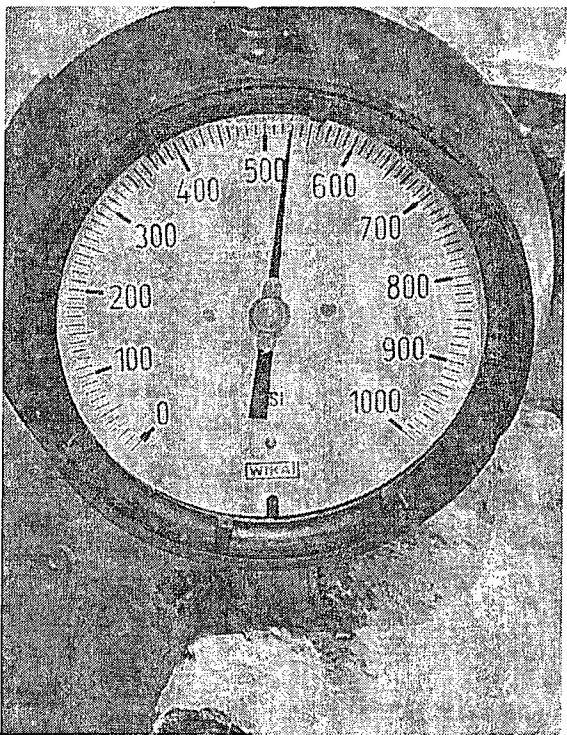
Annulus pressure gauge at top of well casing reading ~ 500 psig during pressure up on annulus



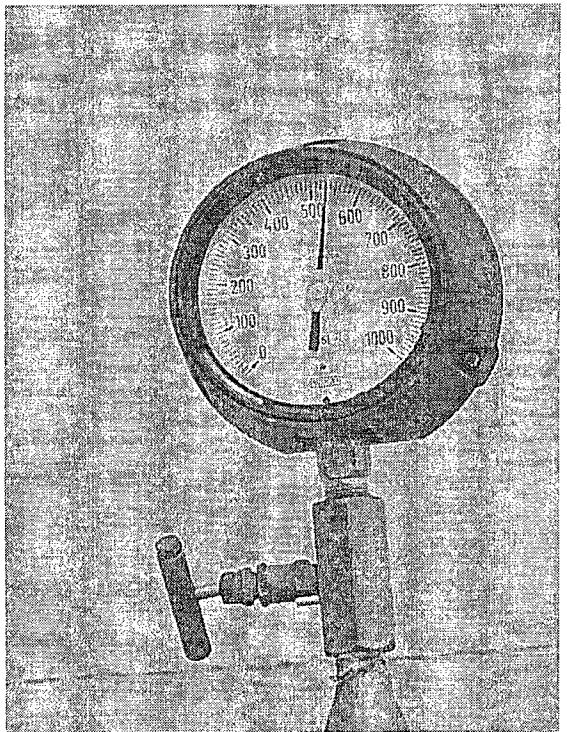
WAMs unit w/ overhead piping to wellhead looking E



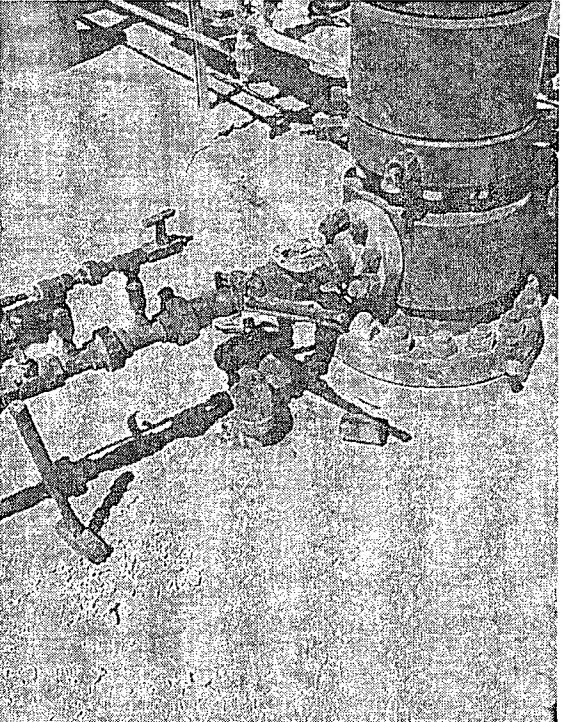
WAMs Unit fluid loss ~ 10gal/mo.



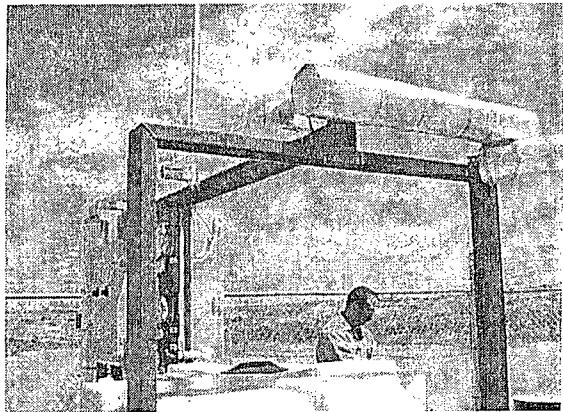
Another pressure gauge during MIT at ~ 530 psig



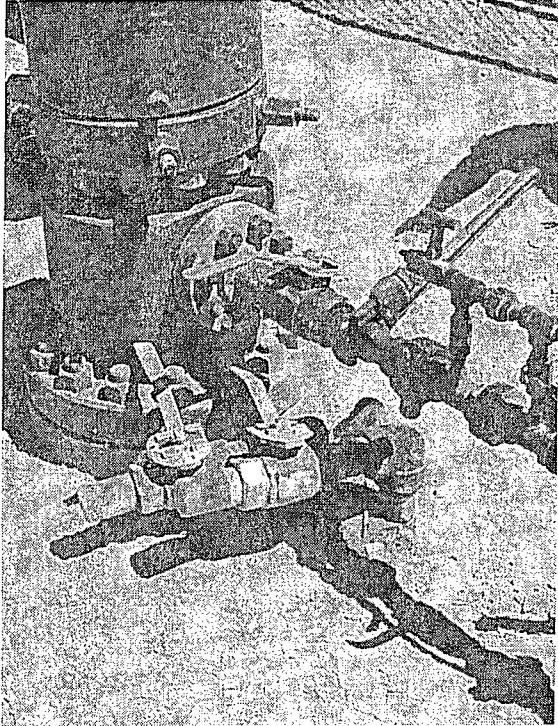
Annulus pressure gauge during MIT at ~530 psig



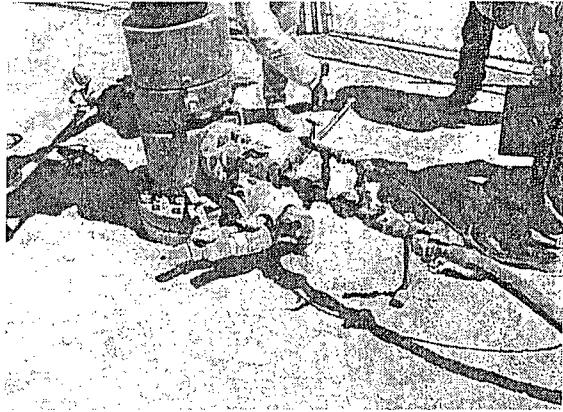
Rusty fittings near wellhead pinhole leak(s)?



WAMs Unit overhead piping into wellhead annulus w/ no apparent leakage observed



Operator wants to replace $\frac{1}{2}$ inch nipple w/
at least 1 inch over breakage concerns and
high pressure on small diameter pipe during
the MITs, etc.



Hot Oil fluid pressure up on annulus w/
valve configuration during MIT

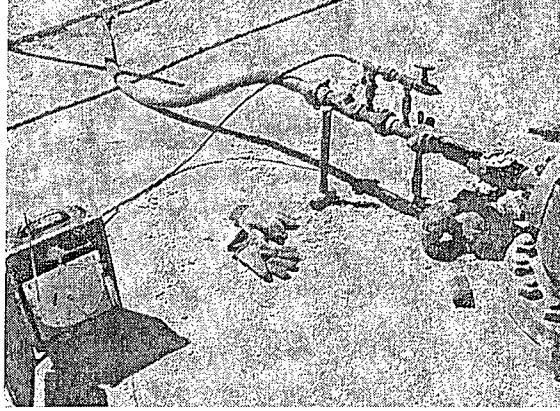
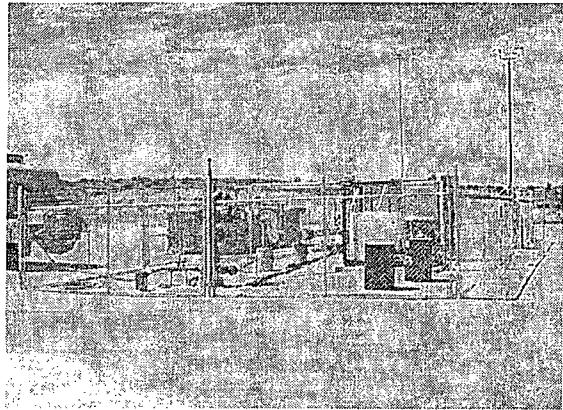
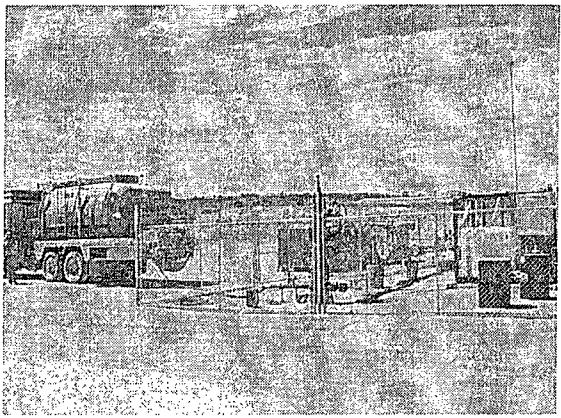


Chart recorder setup for test



Looking E across fenced and lighted facility
w/ ethylene glycol drums stored on ground.



Hot Oil truck setup for MIT

Notes:

- 1) MIT passed (Start @ 560 psig w/
End @ 540 psig) on 8/14/2009.
- 2) MIT system integrity concerns about
WAMs Unit & ethylene glycol
leakage somewhere in the system.
No discernable stains, leaks have
been observed at surface. Company
called “300 PSI” performed (~ 2006)
a proprietary sealant leak application
from surface to 1000 ft. and from ~
7000 ft. to near top of perforated
interval.
- 3) Need to test all surface lines, valves,
etc. for pinhole leakage and proceed
into well if leak not found in surface
piping.
- 4) Drums need to be stored in the
impermeable pad area.

2009 QUARTERLY WEEKLY WAMS LEVEL TABLES

1st Quarter	1/2/09	1/8/09	1/15/09	1/22/09	1/29/09	2/5/09	2/12/09	2/19/09	2/26/09	3/4/09	3/11/09	3/18/09	3/25/09
WDW-1' (Mewborne)	150	150	150	150	150	150	145	140	135	135	135	135	135
WDW-2' (Chuckta)	175	175	175	175	175	175	165	155	150	150	150	150	150
WDW-3' (Gains)	58%	58%	58%	58%	58%	58%	56%	56%	56%	56%	56%	56%	56%
Comments: No antifreeze was added	205	205	205	205	205	205	200	200	200	200	200	200	200

' Graduated tank gauged weekly in the field.

² Reading measured directly, and reported as percentage capacity.

2nd Quarter	4/3/09	4/9/09	4/16/09	4/23/09	4/30/09	5/6/09	5/13/09	5/20/09	5/27/09	6/4/09	6/11/09	6/18/09	6/25/09
WDW-1' (Mewborne)	135	135	135	135	135	135	135	135	135	135	130	130	130
WDW-2' (Chuckta)	150	150	150	150	150	150	150	150	150	150	150	150	150
WDW-3' (Gains)	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	39%	39%	64%
Comments: Added 110 gallons of antifreeze to WDW-3 on 6/25/09.	200	200	200	200	200	200	200	200	200	180	165	150	240

' Graduated tank gauged weekly in the field.

² Reading measured directly, and reported as percentage capacity.

3rd Quarter	7/2/09	7/9/09	7/14/09	7/20/09	7/27/09	8/4/09	8/12/09	8/19/09	8/26/09	9/2/09	9/9/09	9/16/09	9/24/09
WDW-1' (Mewborne)	135	135	135	135	135	135	135	135	135	135	135	135	130
WDW-2' (Chuckta)	150	150	150	150	150	150	150	150	150	150	150	150	150
WDW-3' (Gains)	235	225	215	200	185	170	155	140	1245	240	230	225	220
Comments: Added 110 gallons of antifreeze to WDW-3 on 8/19/09.													

' Graduated tank gauged weekly in the field. Reading is in gallons.

4th Quarter	10/2/09	10/9/09	10/16/09	10/23/09	10/30/09	11/6/09	11/13/09	11/20/09	11/25/09	12/6/09	12/15/09	12/22/09	
WDW-1' (Mewborne)	130	130	115	100	75	75	65	65	175	175	175	175	175
WDW-2' (Chuckta)	145	145	140	135	135	130	130	130	125	125	125	125	125
WDW-3' (Gains)	215	215	210	205	205	200	200	175	175	170	170	165	165
Comments: Added 110 gallons of antifreeze to WDW-1 on 11/20/09.													

' Graduated tank gauged weekly in the field. Reading is in gallons.

ATTACHMENT 3
ANNUAL TRAINING

Injection Well Training Sign In Sheet
Oct. 15, 2009

<u>Print Name</u>	<u>Sign Name</u>	<u>Company</u>
Pete Lopez	Pete Lopez	Champion
NICOLAS Salayandia	Nicolas Salayandia	NRC
Richard Valverde	Richard Valverde	Champion
Michael Antica	M. Antica	Champion
Jacobs Aguilar	Jacobs Aguilar	Champion
ROBERT G VALVERDE	Robert G Valverde	CHAMPION
Robert E. Boan	Robert E. Boan	Navajo

INJECTION WELL TRAINING

This training is being done to satisfy Navajo Refining Company's Discharge Permits UIC-CLI-008 (I-008), UIC-CLI-008 (I-008-1) and UIC-CLI-008 (I-008-2). In all three permits, section 23 states that "All personnel associated with operations at the Navajo Class I disposal wells shall have appropriate training in accepting, processing, and disposing of Class I non-exempt non-hazardous refinery waste to insure proper disposal".

Definitions

The injection wells at our refinery are classified as Class I Non-Hazardous Non-exempt Injection Wells. This means that the water we send to the wells has to be non-hazardous. The Class I designation means that in all three strings of casing, the cement is circulated back to the surface to protect groundwater. It also means that we have to monitor the annulus between the tubing and the casing to insure there are no leaks. This is what the WAMS unit does.

WAMS

Well Annulus Monitoring System

Permit Conditions:

Well Head Pressure Limits

The well head pressure limits shall be 1510 lbs on the Chukka well, 1580 lbs on the Mewbourne well, and 1550 lbs on the Gaines well.

Annulus Pressure

The annulus pressure shall be at a minimum of 100 lbs

Benzene Levels

No water shall be injected into the wells above .5 parts per million (ppm) or 500 parts per billion (ppb) benzene.

Leaks

Any leaks that are identified (loss/gain of fluid in WAMS unit) shall be reported within 24 hours of discovery to OCD. Weekly monitoring of fluids in the tank at each well coupled with documented additions/removals of fluids into or out of the tank are required.

Containment

All three wells have cement containment underneath the valves and filter pots. This containment must be kept empty. If there is fluid in the containment, it must be vacuumed out and the water taken back to the refinery to be disposed into the wastewater system.

Filters

The filters at the wells have been determined to be non-hazardous waste by testing. They have been profiled to be disposed at CRI and ONLY at CRI. The used filters are to be placed into the roll-off boxes at the well site. When the box gets full, an empty box will be swapped and the full box taken to CRI for disposal.

Adding to WAMS Unit

If it becomes necessary to add fluids to the WAMS unit, the environmental department must be notified and the added fluid must be documented. Any spills during this process must be reported to the environmental department. Spills must be cleaned up immediately. The dirt removed can be put into the onsite roll-off boxes with the filters. Any fluid that dribbles down the side of the WAMS must be wiped off.

If there are any questions, do not hesitate to call the Environmental on-call phone at **575-365-8365**

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Thursday, November 19, 2009 7:45 AM
To: 'Bob Patterson'; 'Dan Gibson'; 'Schmaltz, Randy'; 'Moore, Darrell'; 'Lackey, Johnny'
Cc: Sanchez, Daniel J., EMNRD; VonGonten, Glenn, EMNRD; Griswold, Jim, EMNRD
Subject: UIC Class I Disposal Well Annual Report Schedule for Submittal & Content REMINDER- 2010
Attachments: Class I Disposal Well Annual Report Tracking 2010.xls; 19.15.11 NMAC.doc

Gentlemen:

Good morning. You may recall an e-mail message from me this past Summer alerting you to the reporting provision of your current discharge permit (permit) and how the New Mexico Oil Conservation Division (OCD) is stepping up its efforts to track reporting under issued permits.

Please find attached a spreadsheet listing the dates that OCD expects to receive your Annual Reports and/or any reporting requirements from your permit. If you are an operator with limited reporting requirements based on your permit, you are welcome to follow the format and content required from more recent permit renewals issued by the OCD, which are more comprehensive and constitute a report. Any renewed permits will likely require similar content anyway.

You will notice that a Hydrogen Sulfide Contingency Plan (CP) (see attached 19.15.11 NMAC Regulations) has been written into a couple of new Navajo Refining Company permits. This regulation became effective on December 1, 2008 and applies to any facility or well where the hydrogen sulfide concentration is at or greater than 100 ppm. Consequently, if your facilities meet or exceed this concentration, you are required to have an H2S CP for your facility regardless of whether the OCD has required it in your permit. The OCD believes that all UIC Class I Disposal Well Facilities require an H2S CP; therefore, the OCD is requesting your H2S CP(s) by Wednesday, March 31, 2010, unless a different date for submittal is specified in your permit. Also, if you are an operator with multiple wells, you may develop one CP, but you must address each well location with site specific details in that one CP.

Please plan on meeting the Annual Report submittal dates in January of 2010 as failure to submit the report will constitute a violation under the Federal Underground Injection Control (UIC) Program and reporting to the United States Environmental Protection Agency, which could result in the shut-in and/or plug and abandonment of your Class I disposal well. Failure to meet the H2S CP requirement may also result in the shut-in of your well operations; consequently, the OCD is hopeful you will satisfy the regulations pertaining to this deadly gas.

Please contact me if you have questions. Thank you in advance for your cooperation in this matter.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3490
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/index.htm>
(Pollution Prevention Guidance is under "Publications")

CC: UIC Class I Well File "Annual Reporting" and "H2S Contingency Plan"

Permit ID	Operator	Annual Report Due Date	Submitted
UIC-8-1 WDW-3	Navajo Refining Company	01/31/10	
Annual Report Contents			
<p>22 G. Injection Record Volumes and Pressures: The owner/operator shall submit quarterly reports of its disposal, operation and well workovers provided herein. The minimum, maximum, average flow waste injection volumes (including total volumes) and annular pressures of waste (oil field exempt/non-exempt non-hazardous waste) injected will be recorded monthly and submitted to the OCD Santa Fe Office on a quarterly basis.</p> <p>The casing-tubing annulus shall contain fluid and be equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. Due to pressure fluctuations observed at Navajo's other two nearby Class I Injection Wells, WDW-3 shall be equipped with an expansion tank under constant (00 psig) pressure connected to the casing-annulus and maintained under constant pressure. The expansion tank shall initially be filled half-full (250 gallon expansion tank) with an approved fluid to establish an equilibrium volume and fluid level. Weekly monitoring of fluid levels in the expansion tank, coupled with documented additions/removals of fluids into or out of the expansion tank is required to maintain the equilibrium volume. Any loss or gain of fluids in the expansion tank shall be recorded, and if significant, reported to the OCD within 24 hours of discovery. The owner/operator shall provide the following information on a quarterly basis: weekly expansion tank volume readings shall be provided in a table in the cover letter of each quarterly report. Navajo shall monitor, record and note any fluid volume additions or removals from the expansion tank on a quarterly basis. In addition, any well activity (i.e., plugging, changing injection intervals, etc.) shall be conducted in accordance with all applicable New Mexico Oil Conservation Division regulations.</p> <p>22 H. Analysis of Injected Waste: Provide an analytical data or test results summary of the injection waste water with each annual report. The analytical testing shall be conducted on a quarterly basis with any exceedance reported to the OCD within 24 hours after having knowledge of an exceedence(s). Records shall be maintained at Navajo for the life of the well. The required analytical test methods are:</p> <ul style="list-style-type: none"> a. Aromatic and halogenated volatile hydrocarbon scan by EPA Method 8260C GC/MS. Semi-volatile Organics GC/MS EPA Method 8270B including 1 and 2-methylnaphthalene. b. General water chemistry (Method 40 CFR 136.3) to include calcium, potassium, magnesium, sodium, bicarbonate, carbonate, chloride, sulfate, total dissolved solids (TDS), pH, and conductivity. c. Heavy metals using the ICP scan (EPA Method 6010) and Arsenic and Mercury using atomic absorption (EPA Methods 7060 and 7470). d. EPA RCRA Characteristics for Ignitability, Corrosivity and Reactivity (40 CFR part 261 Subpart C Sections 261.21 - 261.23, July 1, 1992). <p>22 K. Annual Report: All operators shall submit an annual report due on January 31 of each year. The report shall include the following information:</p> <ol style="list-style-type: none"> 1. Cover sheet marked as "Annual Class I Well Report, name of operator, permit #, API# of well(s), date of report, and person submitting report, 2. Brief summary of Class I Well(s) operations including description and reason for any remedial or major work on the well with a copy of OCD Form C-103, 			

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, September 25, 2009 3:05 PM
To: 'Bob Patterson'; 'lmlleur@keyenergy.com'; 'Schmaltz, Randy'; DARRELL MOORE; Lackey, Johnny
Cc: Sanchez, Daniel J., EMNRD; Jones, William V., EMNRD; VonGonten, Glenn, EMNRD
Subject: New Mexico Oil Conservation Division Class I (non-hazardous) Disposal Well Operator Notice--QUARTERLY & ANNUAL REPORTING

Gentlemen:

Re: UIC Class I Disposal Well Quarterly and Annual Reporting

You are receiving this message because you are currently operating a Underground Injection Control (UIC) Class I (non-hazardous) Disposal Well in New Mexico under an Oil Conservation Division (OCD) Discharge Permit. You may be aware of the most recent events related to OCD Class III Wells in New Mexico and can find out more by visiting the OCD's Brine Well Webpage at <http://www.emnrd.state.nm.us/OCD/brinewells.htm> and OCD Brine Well Work Group Website at <http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pCJC0906359521>.

The OCD is writing to inform you that it will be monitoring more closely the receipt of your "Quarterly Reports" and "Annual Reports" required under the applicable section(s) of your OCD Discharge Permit. After reexamining our UIC Program subsequent to the UIC Class III Solution Mining Wells that collapsed in July and November of 2008, the OCD identified that it has been deficient in tracking reporting obligations in the past; however, the OCD has recently upgraded its online electronic system to better track operators who are not meeting the reporting requirements as specified in their OCD Discharge Permits. Please plan on submitting reports with required information by the date specified in your discharge permit. Operators undergoing permit renewal will notice changes to the OCD's discharge permit, which will include "Annual Reports" in addition to the Quarterly Reporting requirement(s).

To access your OCD Discharge Permit Online for the date of submittal and required contents of the report(s), please go to OCD Online at <http://ocdimage.emnrd.state.nm.us/imaging/AEOrderCriteria.aspx> (enter "Order Type" as UICI and your "Order Number"). The OCD has placed a "Quarterly Reporting" and "Annual Reports" thumbnails into each of your online well files and will be scanning all received reports into them upon receipt from now on.

If you have been delinquent in submitting your Quarterly (more recent permits require Annual Reports), a historical review of your production or disposal records will be required in order to provide cumulative injection or disposal information in this year's report.

Please contact me if you have questions or need assistance.

Thank you in advance for your cooperation in this matter.

Copy: Class I (non-hazardous) Disposal Well Files UICI- 5, 9, 8, 8-1 & 8-0 (Quarterly Reporting & Annual Reports)

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
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(Pollution Prevention Guidance is under "Publications")