

Gallup

Oct 2010

VanHorn, Kristen, NMENV

NAPIS wells 3Q 2010

ENTERED

From: Johnson, Cheryl [Cheryl.Johnson@wnr.com]
 Sent: Tuesday, October 12, 2010, 10:39 AM
 To: Van Horn, Kristen, NMENV; Chavez, Carl J, EMNRD
 Cc: Riege, Ed; Lieb, Jim; Larsen, Thurman
 Attachments: NAPIS WELL LOGS 3RD QTR.xls; NAPIS WELLS 3RD QTR 2010.pdf

Good morning:

Attached are the Hall Lab Analysis and the NAPIS Well Logs for the Third Quarter 2010 sampling. Table below lists the analytes that exceed the NMWQS, EPA MCLs or the RRSL standards. If you have any questions, please call or e-mail me. Thank you, cj.

COLLECTION DATE	Standards	BENZENE (mg/L)	ETHYLBENZENE (mg/L)	MTBE (mg/L)	NAPHTHALENE (mg/L)	BARIUM (mg/L)	CHLORIDES (mg/L)
		NMWQS 0.01 mg/L & RRSL 0.00041 mg/L	RRSL 0.0015 mg/L	RRSL 0.012 mg/L	RRSL 0.001 mg/L	NMWQS 1 mg/L	EPA MCLs 250 mg/L
9/15/2010	NAPIS 2	0.066	0.0083	0.23		1.4	
9/15/2010	NAPIS 3	0.001					1040
9/15/2010	KA-3	0.52	0.031	0.11	0.011		277

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Safety starts with "S", but always begins with "You"

**WESTERN REFINING - GALLUP REFINERY
3RD QUARTER SAMPLING 2010**

KA-3		TEST PARAMATERS								
			Time (hrs)	pH	Temperature Deg C	Conductivity (uS), (mS)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (%)	ORP (mV)
GAUGE DATE	9/15/2010	(1)	1407	7.79	29.71	2.160	1.288	1.000	32.3	-11.0
GAUGE TIME	1344 hrs	(2)	1409	7.48	29.40	2.125	1.274	0.990	29.4	-31.0
DTB (feet) Depth to Bottom	25.00	(3)	1411	7.41	29.14	2.100	1.265	0.980	32.2	-38.0
DEDICATED PUMP DTW (feet) Depth to Water	N 8.69	(4)	1413	7.39	28.76	2.072	1.257	0.980	31.7	-38.0
DTB - DTW	16.31	WEATHER CONDITIONS								
1 Well Volume	0.163	Clear day, slight breeze 0-5 mph winds. 80-85 Deg F. Attendee: Cheryl Johnson								
3 Well Volumes	7.98	WATER APPEARANCE								
PURGE DATE	9/15/2010									
PURGE TIME	1344 hrs									
SAMPLE DAY	9/15/2010	Water had a slight yellow tint and no odor detected								
SAMPLE TIME	1412 hrs									
PUMP DEPTH DTW (feet) at end of Purging										

SAMPLE LOG

KA-3 is located at ground level and was covered with gravel and dirt. Had to remove debris to access well. This well had a water level inside the well cover. Bailed out the water inside the well cover before I removed the well cap to measure DTW. Water bailed out of well cover had a slight yellow tint, murky. Started purge with new bailer. Bailed approximately 6 gals of water. Samples collected and placed in cooler on ice.

TEST PARAMATERS	
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NAPIS 3

		Time (hrs)	pH	Temperature Deg C	Conductivity (uS), (mS)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (%)	ORP (mV)	
GAUGE DATE	9/15/2010	(1)	1502	8.34	20.77	4.092	2.893	2.380	12.1	-22
GAUGE TIME	1354 hrs	(2)	1504	8.27	20.8	4.087	2.891	2.38	12.2	-14
DTB (feet)		(3)	1506	8.23	20.7	4.079	2.888	2.38	13.1	-8
Depth to Bottom	30.70	(4)	1508	8.20	20.7	4.079	2.887	2.37	13.0	-4
DEDICATED PUMP	N	<p align="center">WEATHER CONDITIONS</p> <p>Clear sunny day, slight breeze 0-5 mph winds. Temp 80-85 Deg F.</p> <p>Attendee: Cheryl Johnson</p>								
DTW (feet)	7.31									
Depth to Water										
DTB - DTW	23.39									
1 Well Volume	0.163									
3 Well Volumes	11.44	<p align="center">WATER APPEARANCE</p> <p>1st bail water has slight yellowish tint, no odor detected.</p>								
PURGE DATE	9/15/2010									
PURGE TIME	1354 hrs									
SAMPLE DAY	9/15/2010									
SAMPLE TIME	1512 hrs									
PUMP DEPTH	33 ft									
DTW (feet)										
at end of Purging										

SAMPLE LOG

With new bailer began purging well. Purged approximately 10 gals of water and collected samples. Samples were labeled, and placed in cooler on ice.

INSTRUMENTS USED:

YSI 556 MPS instrument with flow cell was used to collect water quality parameters. Instrument was calibrated before use.

Water level - Heron Instrument 100 feet DipperT electric water depth tape.

Disposable bailer - Polyethylene bailer (1.5" x 36"OAL). Individually sealed.

Signature: /s/  , Environmental Specialist