

WNR
NYSE

Certified Mail #7010 0290 0002 7735 3394
August 1, 2011

John E. Kieling
NMED – HWB
2905 Rodeo Park Drive East
Building 1
Santa Fe, NM 87505-6303

Re: Requirement to Resurvey Ground Water Monitoring Wells and Recovery
Wells, Western Refining Company, Southwest, Inc., Gallup Refinery.
HWB-WRG-10-007
EPA ID #NMD000333211

Dear Mr. Kieling:

Western Refining Company, Southwest, Inc. hereby submits a survey report from DePauli Engineering & Surveying, LLC, conducted on May 19, 2011 on all of our active ground water monitoring and recovery wells. A revised Well Data Summary Table for 2009 inclusive of new survey information from DePauli Engineering & Surveying, LLC. with regard to Ground Level Elevations, Well Casing Rim Elevations, and Ground Elevations Inside Steel Sleeve is attached as requested.

Please note that with new ground level elevations, the total well depth will vary using the original well casing bottom elevations. Western has ordered a water level instrument to measure depth to bottom on all of our active wells for verification and for submittal of new information with this report, but the instrument is on back order. The Well Data Summary Table to be submitted with the 2010 Annual Report will reflect verified depth to bottom measurements of all active wells and will be revised to reflect any changes if necessary.

If you have any questions, please do not hesitate to contact me.

Respectfully submitted,

Ed Riege
Environmental Manager
cc: C Chavez, OCD w/attachments
L. Tsinnajinnie, NMED HWB w/attachments
C. Johnson, WNR w/o attachments



DePauli Engineering
& Surveying, LLC.
Civil Engineers and Land Surveyors

Phone: 505-863-5440 • Fax: 505-863-1919 • des@cnetco.com

102 W. Hill Avenue • Gallup, NM 87301
PO Box 876 • Gallup, NM 87305

June 27, 2011

Michelle Young, Mgr Refinery Services
Western Refining Southwest, Inc.
Gallup Refinery
I-40 Exit 49
Jamestown, NM 87347


RE: Monitoring Well Locations

Dear Michelle,

The horizontal and vertical positions of the top of the PVC casing (unless otherwise noted) and the vertical position for the lid, ground elevation inside the steel casing, and the surrounding ground elevation is shown on the attached pages. The horizontal positions are NAD 83 datum and the vertical positions are NGVD 1929.

If you have any questions, please feel free to contact me.

Sincerely,


Marc DePauli, NMPS 13606

6/27/2011
Date



Western Refining Monitoring Well 2011

Well #	Northing	Easting	Elevation	Description
napi-1	1,634,587.37	2,545,700.47	6913.86	PVC Casing
			6914.23	Steel Lid
			6913.56	Ground Elev. inside steel sleeve
			6913.62	Surrounding ground elev.
napi-3	1,634,589.71	2,545,645.25	6912.76	PVC Casing
			6913.12	Steel Lid
			6912.53	Ground Elev. inside steel sleeve
			6913.38	Surrounding ground elev.
ka-3	1,634,583.87	2,545,645.66	6912.52	PVC Casing
			6912.87	Steel Lid
			6912.20	Ground Elev. inside steel sleeve
			6913.29	Surrounding ground elev.
napi-2	1,634,564.93	2,545,647.46	6912.65	PVC Casing
			6913.26	Steel Lid
			6912.54	Ground Elev. inside steel sleeve
			6913.41	Surrounding ground elev.
gwm-2	1,634,680.33	2,545,348.57	6913.09	PVC Casing
			6913.39	Steel Lid
			6908.05	Ground Elev. inside steel sleeve
			6910.32	Surrounding ground elev.
gwm-1	1,634,686.36	2,545,346.90	6912.61	PVC Casing
			6912.93	Steel Lid
			6908.36	Ground Elev. inside steel sleeve
			6910.22	Surrounding ground elev.
gwm-3	1,634,932.99	2,545,364.09	6910.25	PVC Casing
			6910.51	Steel Lid
			6905.48	Ground Elev. inside steel sleeve
			** 6907.35	Surrounding ground elev.
** Elevation is to the lowest ground elevation surrounding the well				
ow-12	1,635,128.64	2,546,062.41	6940.69	PVC Casing
			6941.59	Steel Lid
			6939.04	Ground Elev. inside steel sleeve
			6939.57	Surrounding ground elev.

Well #	Northing	Easting	Elevation	Description
rw-5	1,634,761.32	2,546,311.24	6943.57	PVC Casing**
			6943.78	Steel Lid
			6940.82	Ground Elev. inside steel sleeve
			6941.53	Surrounding ground elev.
** Exsiting mark on west edge of PVC casing used				
rw-6	1,634,688.45	2,546,381.03	6944.01	PVC Casing
			6944.26	Steel Lid
			6941.49	Ground Elev. inside steel sleeve
			6941.96	Surrounding ground elev.
rw-2	1,634,624.56	2,547,167.32	6928.53	PVC Casing
			6929.29	Steel Lid
			6925.02	Ground Elev. inside steel sleeve
			6926.40	Surrounding ground elev.
rw-1	1,634,179.63	2,547,362.39	6946.06	PVC Casing
			6946.42	Steel Lid
			6941.25	Ground Elev. inside steel sleeve
			6942.86	Surrounding ground elev.
ow-10	1,633,507.94	2,544,187.82	6874.91	PVC Casing
			6875.39	Steel Lid
			6872.59	Ground Elev. inside steel sleeve
			6873.67	Surrounding ground elev.
ow-1	1,634,052.94	2,542,464.15	6866.62	PVC Casing**
			6868.83	Steel Lid
			6866.44	Ground Elev. inside steel sleeve
			6866.32	Surrounding ground elev.
** Top segment of pvc casing not connected to cupling, cupling is were elevation is referenced.				
mw-4	1,635,127.10	2,544,509.90	6881.63	PVC Casing
			6882.38	Steel Lid
			6879.34	Ground Elev. inside steel sleeve
			6879.89	Surrounding ground elev.
smw-2	1,635,652.32	2,544,450.91	6883.97	Aluminum Casing
			6884.54	Steel Lid
			6879.07	Ground Elev. inside steel sleeve
			6881.63	Surrounding ground elev.

Well #	Northing	Easting	Elevation	Description
mw-5	1,636,272.55	2,544,141.37	6882.83	Aluminum Casing
			6883.40	Steel Lid
			6881.77	Ground Elev. inside steel sleeve
			6880.20	Surrounding ground elev.
mw-2	1,636,243.70	2,543,943.74	6880.30	PVC Casing
			6880.57	Steel Lid
			6878.41	Ground Elev. inside steel sleeve
			6878.39	Surrounding ground elev.
smw-4	1,636,213.12	2,543,883.04	6879.52	PVC Casing
			6880.63	Steel Lid
			6875.72	Ground Elev. inside steel sleeve
			6877.63	Surrounding ground elev.
mw-1	1,636,171.89	2,543,811.84	6878.12	PVC Casing
			6878.85	Steel Lid
			6876.79	Ground Elev. inside steel sleeve
			6876.63	Surrounding ground elev.
bw-3b	1,637,028.25	2,543,362.30	6878.59	PVC Casing
			6878.92	Steel Lid
			6875.41	Ground Elev. inside steel sleeve
			6876.16	Surrounding ground elev.
bw-3a	1,637,035.46	2,543,363.75	6878.09	PVC Casing
			6878.39	Steel Lid
			6875.08	Ground Elev. inside steel sleeve
			6875.94	Surrounding ground elev.
bw-3c	1,637,038.21	2,543,356.75	6877.95	PVC Casing
			6878.22	Steel Lid
			6875.27	Ground Elev. inside steel sleeve
			6875.72	Surrounding ground elev.
bw-2c	1,636,859.87	2,542,467.18	6875.30	PVC Casing
			6875.78	Steel Lid
			6872.02	Ground Elev. inside steel sleeve
			6872.90	Surrounding ground elev.

Well #	Northing	Easting	Elevation	Description
bw-2a	1,636,848.27	2,542,473.25	6874.69	PVC Casing
			6875.20	Steel Lid
			6870.45	Ground Elev. inside steel sleeve
			6871.88	Surrounding ground elev.
bw-2b	1,636,836.81	2,542,481.15	6874.50	PVC Casing
			6874.85	Steel Lid
			6870.06	Ground Elev. inside steel sleeve
			6871.66	Surrounding ground elev.
bw-1a	1,635,367.32	2,542,393.40	6876.68	PVC Casing
			6877.09	Steel Lid
			6872.30	Ground Elev. inside steel sleeve
			6874.10	Surrounding ground elev.
bw-1c	1,635,366.60	2,542,398.24	6876.78	PVC Casing
			6877.11	Steel Lid
			6872.28	Ground Elev. inside steel sleeve
			6873.95	Surrounding ground elev.
bw-1b	1,635,368.46	2,542,404.18	6876.94	PVC Casing
			6877.28	Steel Lid
			6876.26	Ground Elev. inside steel sleeve
			** 6874.13	Surrounding ground elev.
** Elevation is to the lowest ground elevation surrounding the well				
ow-50	1,636,295.73	2,547,393.72	6914.21	PVC Casing
			6914.47	Steel Lid
			6911.46	Ground Elev. inside steel sleeve
			6912.63	Surrounding ground elev.
ow-52	1,636,497.52	2,546,917.71	6907.68	PVC Casing
			6908.28	Steel Lid
			6905.31	Ground Elev. inside steel sleeve
			6906.53	Surrounding ground elev.
ow-29	1,635,940.11	2,547,227.40	6917.00	PVC Casing
			6917.25	Steel Lid
			6912.09	Ground Elev. inside steel sleeve
			6913.89	Surrounding ground elev.

Well #	Northing	Easting	Elevation	Description
ow-30	1,635,431.14	2,547,552.67	6924.69	PVC Casing
			6924.96	Steel Lid
			6919.84	Ground Elev. inside steel sleeve
			6921.81	Surrounding ground elev.
ow-14	1,635,059.64	2,547,178.60	6926.65	PVC Casing
			6927.71	Steel Lid
			6924.40	Ground Elev. inside steel sleeve
			6924.55	Surrounding ground elev.
ow-13	1,635,445.53	2,546,668.91	6920.07	PVC Casing
			6920.23	Steel Lid
			6915.33	Ground Elev. inside steel sleeve
			6918.95	Surrounding ground elev.
ow-11	1,632,247.50	2,546,078.73	6923.51	PVC Casing
			6923.97	Steel Lid
			6921.80	Ground Elev. inside steel sleeve
			6922.05	Surrounding ground elev.

The horizontal and vertical positions of the top of the PVC casing (unless otherwise noted) and the vertical positions for the lid, ground elevation inside the steel casing, and the surrounding ground elevation is shown above. The horizontal position are NAD 83 datum and the vertical positions are NGVD 1929.

Marc DePauli
 Marc DePauli PS13606

6/27/2011
 Date

