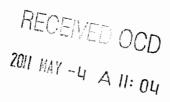
3R - 317

2010 AGWMR

04/29/2011





April 29, 2011

Mr. Glen Von Gonten Hydrologist Oil Conservation Division 1220 S. St. Francis Dr. Santa Fe. NM 87505

RE: 2010 GROUND WATER SUMMARY REPORT

Dear Mr. Von Gonten:

Enclosed for your review is the Williams 2010 Ground Water Summary Report. The report presents monitoring data for eight sites having petroleum hydrocarbon impacted ground water resulting from past use of unlined surface impoundments. Information for each site includes a brief narrative, analytical summary, hydrograph, and ground water contour maps.

As has been mentioned previously, four of the eight sites have known or suspected up-gradient contaminant sources which continue to influence conditions affecting the rate of natural attenuation. These conditions likely indicate producer or third party responsibility and affect the ultimate closure schedule.

Two sites (Florence 47X and Davis #1) have regular accumulations of LNAPL in one monitoring well at each location. Since 2002, passive collection devices have been deployed in all wells containing measurable accumulations of LNAPL. Periodic emptying of the collection devices along with active bailing of LNAPL continues at the aforementioned sites and at any other site if and when LNAPL is observed.

As noted in the site summaries, laboratory reports have not been included in the annual summary report. Lab results reports are retained in project files until such time as a site closure report is developed, but are available anytime upon request.

Thank you for your time to review this submittal. If you have any questions regarding the content of the report, or about specific conditions at any site, you may call me at (801) 232-8985 or Aaron Dailey at (505) 634-4708.

Respectfully.

Mark B. Harvey Project Manager

2113. 1mg

Enclosure - CD

c: Bill Liess, BLM Farmington District Office Dan Reutlinger, Williams-TUL



Annual Groundwater Summary Report 2010

San Juan Basin, New Mexico Unlined Surface Impoundments

FLORENCE #47X

Site Summary Report

Site Name: Florance 47X Reporting Period: 2010

Location: Unit G, Sec 5, Twn 30N, Rng 8W

Canyon: Crow Operator: Amoco

Status Narrative

Fifty-three quarters of water quality data have been collected from the five monitoring wells located at this site. Monitoring well MW-3 remains as the only well with accumulations of LNAPL. To date, a total of approximately 54-liters of LNAPL have been recovered from this well. With the exception of a detectable level of benzene in quarter one, cross-gradient well MW-4 had only xylene detected during the monitoring period. Monitoring well MW-2 (source area) shows elevated levels of BTEX, but an overall declining trend.

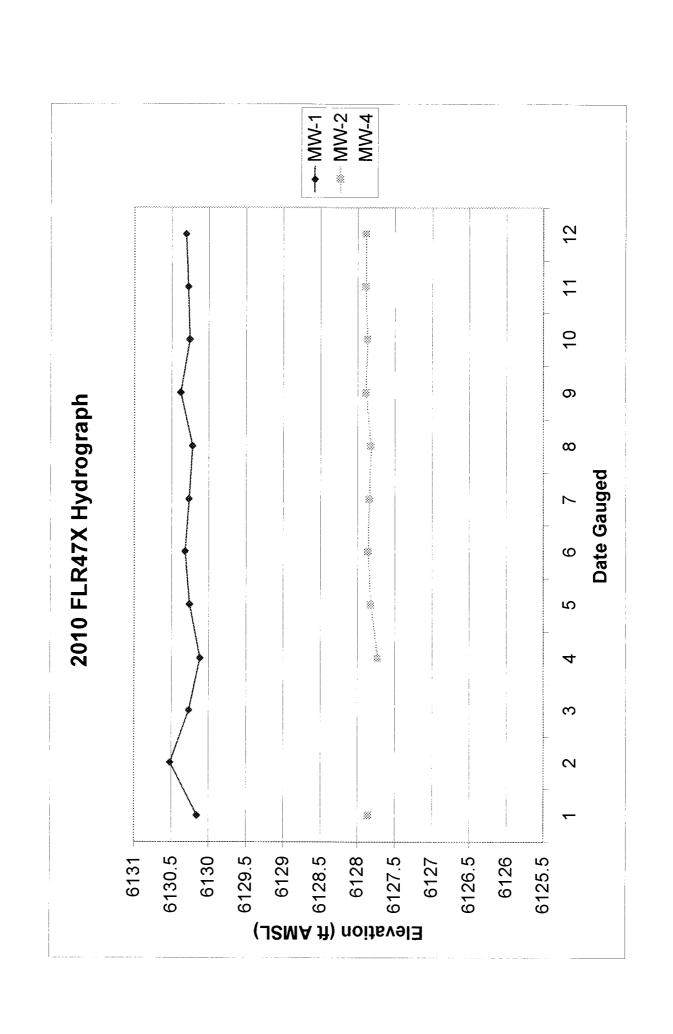
Potentiometric surface maps (Figure 2) depict ground water flow to the south-southeast at an average hydraulic gradient of 0.02. No significant seasonal variations in flow direction or gradient are evident. The enclosed hydrograph illustrates a stable ground water elevation pattern over the past few years.

While the monitoring trends appear positive, the presence of LNAPL in MW-3 may indicate contribution(s) from another source. As has been noted in previous submittals, there was another pit operated by the producer within the immediate vicinity of this monitoring well which is on a lower terrace from the WFS dehydrator pit and MW-2. Free product accumulation in MW-3 appears to be relatively constant and dictates ongoing removal efforts.

Analytical Data Summary

Site Name: Florance M 47X Reporting Period: 1/8/2008 To 12/31/2010

Well ID	Sample Date	Sample ID	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene (Total) ug/l
MW-1						
	3/26/2008	172626MAR08	<1.0	<1.0	<1.0	<3.0
	6/4/2008	171304JUN08	2.9	<1.0	<1.0	4.8
	9/18/2008	141019SEP08	<1.0	<1.0	<1.0	<3.0
	12/6/2008	104306DEC08	<1.0	<1.0	<1.0	<3.0
	7/8/2009	181408JUL09	1.2	<1.0	<1.0	<3.0
	9/11/2009	185111SEP09	<1.0	<1.0	<1.0	<3.0
	12/20/2009	125320DEC09	<1.0	<1.0	<1.0	<3.0
	3/29/2010	185429MAR10	<1.0	<1.0	<1.0	<3.0
	6/18/2010	144618JUN10	<1.0	<1.0	<1.0	<3.0
	9/10/2010	134010SEP10	1.2	<1.0	<1.0	<3.0
	12/4/2010	144404DEC10	<1.0	<1.0	<1.0	<3.0
MW-2						
	12/6/2008	110206DEC08	5820	<25.0	442	3850
	12/6/2008	110406DEC08	6570	<25.0	660	3700
	3/28/2009	145028MAR09	7760	<50.0	768	6100
	7/8/2009	182508JUL09	6150	<20.0	540	5640
	9/11/2009	190811SEP09	8460	<20.0	729	4150
	12/20/2009	130620DEC09	8980	<50.0	744	6080
	3/29/2010	190629MAR10	9460	67.2	521	6210
	6/18/2010	150018JUN10	3270	<10.0	260	3530
	12/4/2010	145304DEC10	1470	26.3	599	2720
MW-4						
	3/26/2008	174926MAR08	1.2	<1.0	<1.0	17.2
	6/4/2008	172804JUN08	<1.0	<1.0	<1.0	10.3
	9/18/2008	142419SEP08	<1.0	<1.0	<1.0	11.5
	12/6/2008	112006DEC08	<1.0	<1.0	<1.0	4.8
	3/28/2009	150428MAR09	<1.0	<1.0	<1.0	6.8
	7/8/2009	183108JUL09	<1.0	<1.0	<1.0	8.3
	12/20/2009	131820DEC09	<1.0	<1.0	<1.0	8.5
	3/29/2010	191829 M AR10	1.3	<1.0	<1.0	8.7
	6/18/2010	151518JUN10	<1.0	<1.0	<1.0	6.8
	9/10/2010	163510SEP10	<1.0	<1.0	<1.0	3.9
	12/4/2010	150404DEC10	<1.0	<1.0	<1.0	5.6



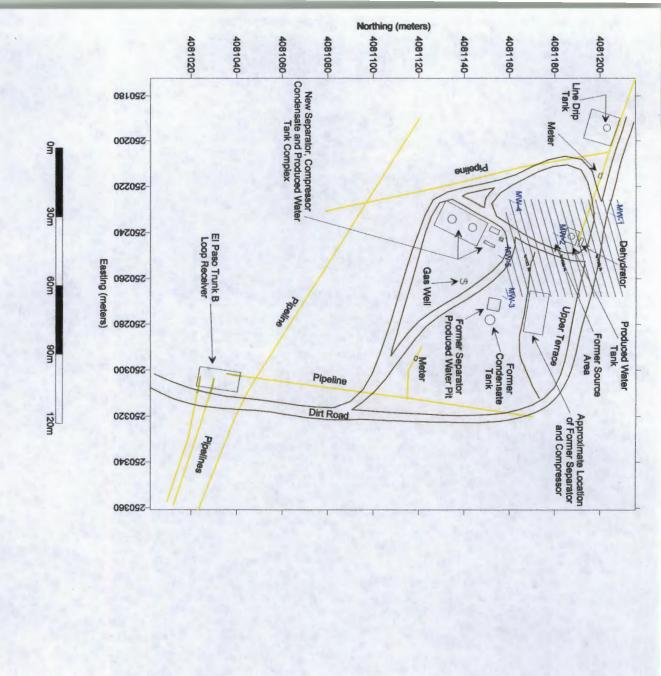


Figure 2
Potentiometric
Surface Map
Florance 47X
March 2010

LEGEND
MW-2
Monitoring Well
Ground Wester Elevation (ft. AMSL)

