

GW - ____007__

**Subsidence
Monitoring
Reports**

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Wednesday, March 1, 2017 9:09 AM
To: 'Parker, Ken'
Cc: Griswold, Jim, EMNRD
Subject: RE: GW-7 Western Jal LPG Storage Facility Subsidence Monitoring Submittal from Pettigrew

Ken:

Good morning.

OCD comments on the Pettigrew & Associates document are:

- 1) It is not a report.
- 2) A map with the survey monument locations was not provided.
- 3) The historic numerical mean sea level data of surveyed monument locations was not provided.
- 4) A chart of mean sea-level elevations per monument (feet) to the nearest 1/100th of a foot vs. survey date. A summary of max. deflection per monument location should be stated.
- 5) A summary or evaluation of the observations and results from each monument survey elevational changes is required with conclusions. For example, is there a trend observed at any monument location? Is there isostatic rebound affects observed?
- 6) Provide a description of survey monitoring equipment and accuracy and any changes for future monitoring to improve accuracy of data.

Thank you.

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St Francis Drive
Santa Fe, New Mexico 87505
Ph. (505) 476-3490
E-mail: CarlJ.Chavez@state.nm.us

“Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?” (To see how, go to: <http://www.emnrd.state.nm.us/OCD> and see “Publications”)

From: Parker, Ken [mailto:Ken.Parker@wnr.com]
Sent: Tuesday, February 28, 2017 2:22 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Subject: Fw: Subsidence Report

From: Caitlyn McNabb <CMcNabb@pettigrew.us>
Sent: Tuesday, February 28, 2017 12:18 PM
To: Parker, Ken
Cc: Jeremy Baker
Subject: Subsidence Report

This email was sent by an external sender. Please use caution when opening attachments, clicking web links, or replying until you have verified this email sender.

Ken,

Please find the attached subsidence report. Let me know if I can help you with anything else.

Thanks!

Caitlyn Y. McNabb | GIS Specialist



100 E. Navajo Dr. Suite 100 Hobbs, NM 88240

575.393.9827 ext. 48

575.393.1543 fax

cmcnabb@pettigrew.us

www.pettigrew.us

Chavez, Carl J, EMNRD

From: Parker, Ken <Ken.Parker@wnr.com>
Sent: Tuesday, February 28, 2017 2:22 PM
To: Chavez, Carl J, EMNRD
Subject: Fw: Subsidence Report
Attachments: SUBSIDENCEREPORT_02152017.pdf

From: Caitlyn McNabb <CMcNabb@pettigrew.us>
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Ken Parker, Western Refining
PO Box 1345
Jal, New Mexico, 88252
575-392-2632

15 February, 2017

RE: Survey Report
Western Refining Subsidence Monitoring

Dear Mr. Parker,

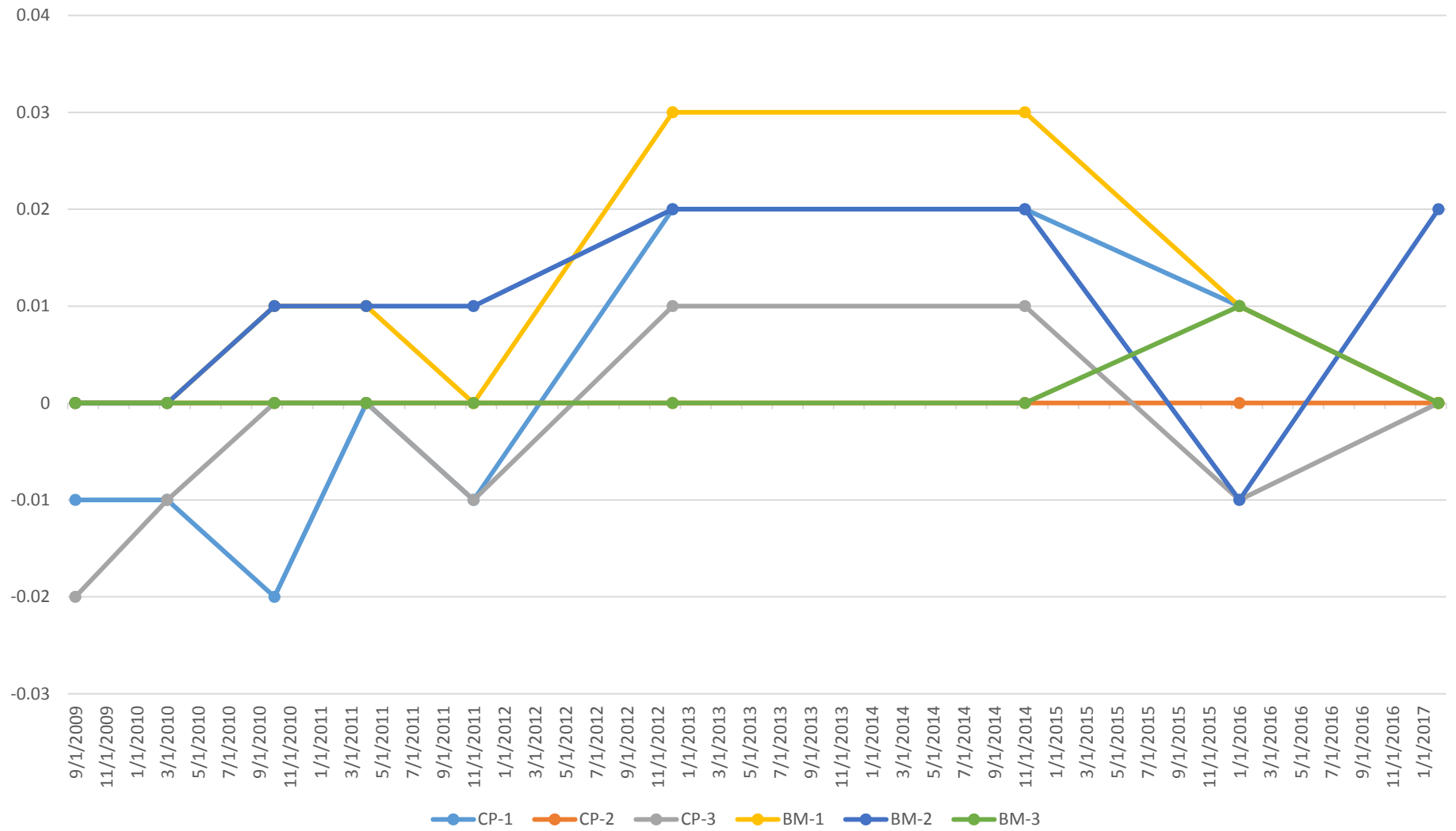
Please review this report of survey findings for the subject project. Please comment as necessary.

SUBSIDENCE MONUMENT MONITORING

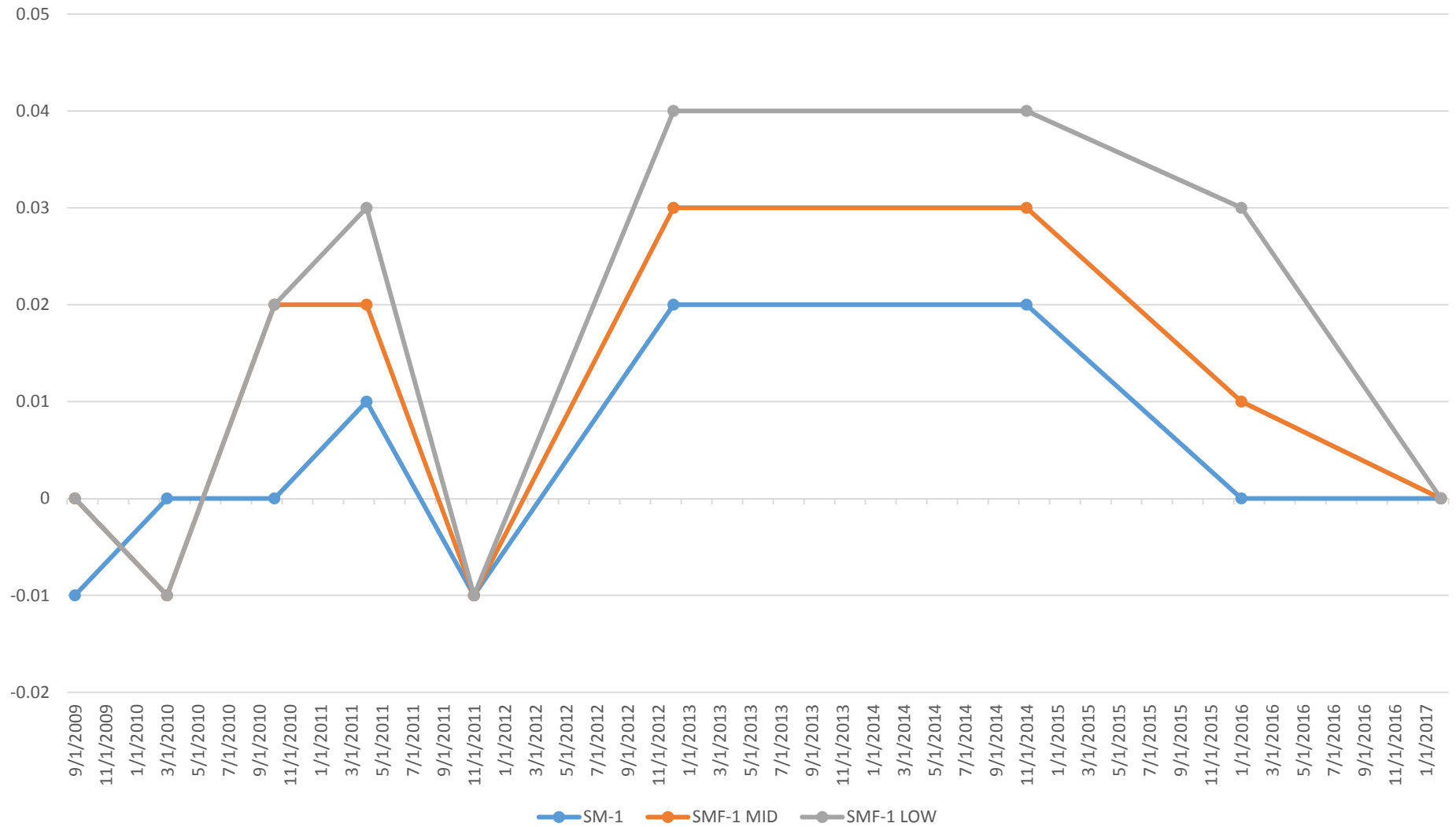
The surveyed elevations along with deltas from established values as follows:

NAME	BASE ELEVATION 5/13/2009	ELEVATION 02/15/2017	CHANGE IN ELEVATION
CP-1	3293.47	3293.47	No Change
CP-2	3297.82	3297.82	No Change
CP-3	3293.56	3293.56	No Change
SM-1	3292.27	3292.27	No Change
SM-2	3294.56	3294.54	- 0.02
SM-3	3294.85	3294.86	+ 0.01
SM-4	3294.86	3294.87	+ 0.01
SMF-1 (Mid Flange)	3295.62	3295.62	No Change
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SMF-3 (Mid Flange)	3298.18	3298.17	No Change
SMF-3 (Lower Flange)	3296.44	3296.43	- 0.01
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BM-1	3294.30	3294.30	No Change
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BM-3	3297.73	3297.73	No Change

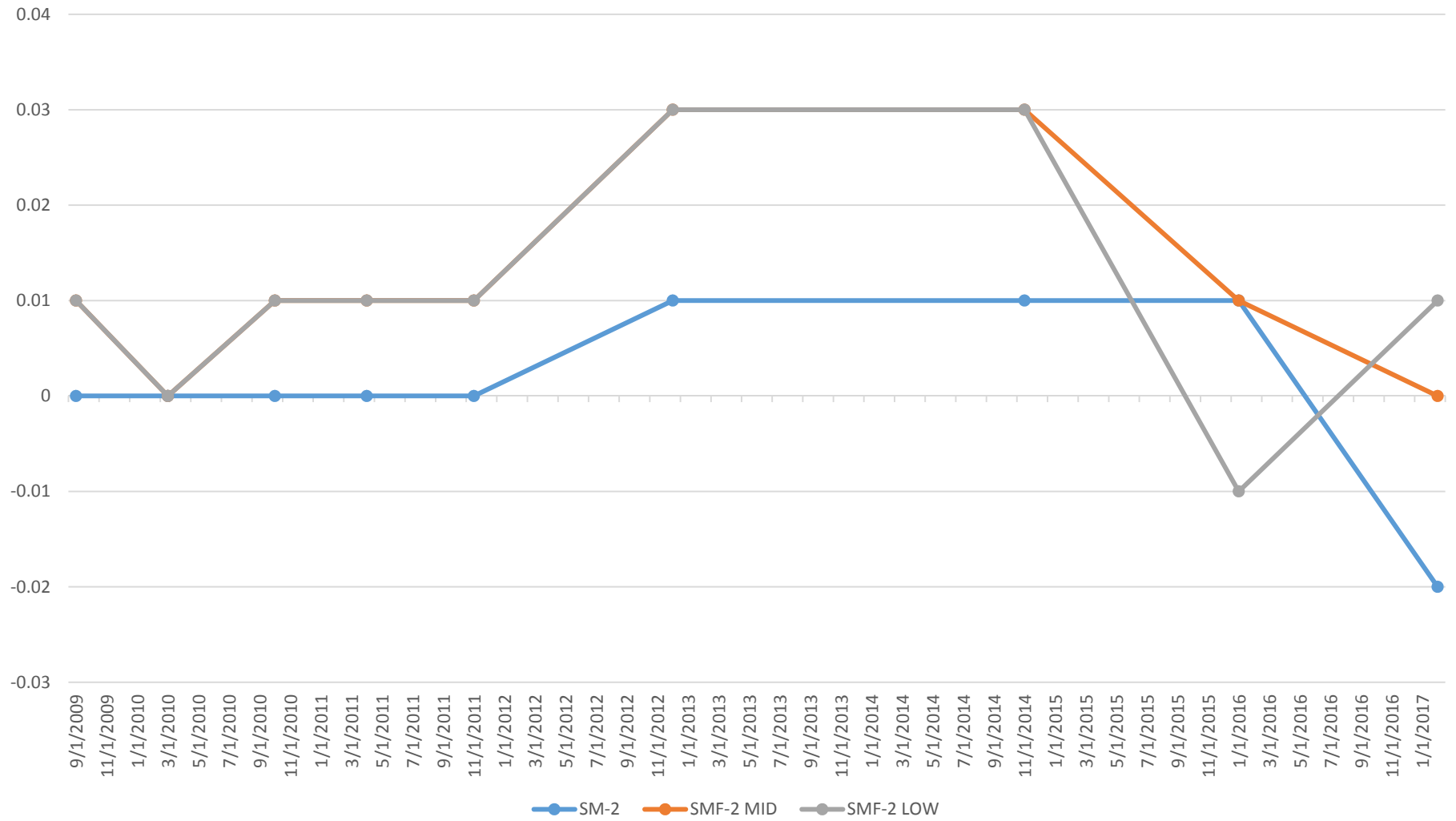
WESTERN REFINING CONTROL POINTS JAL, NM



SURFACE MONITOR 1



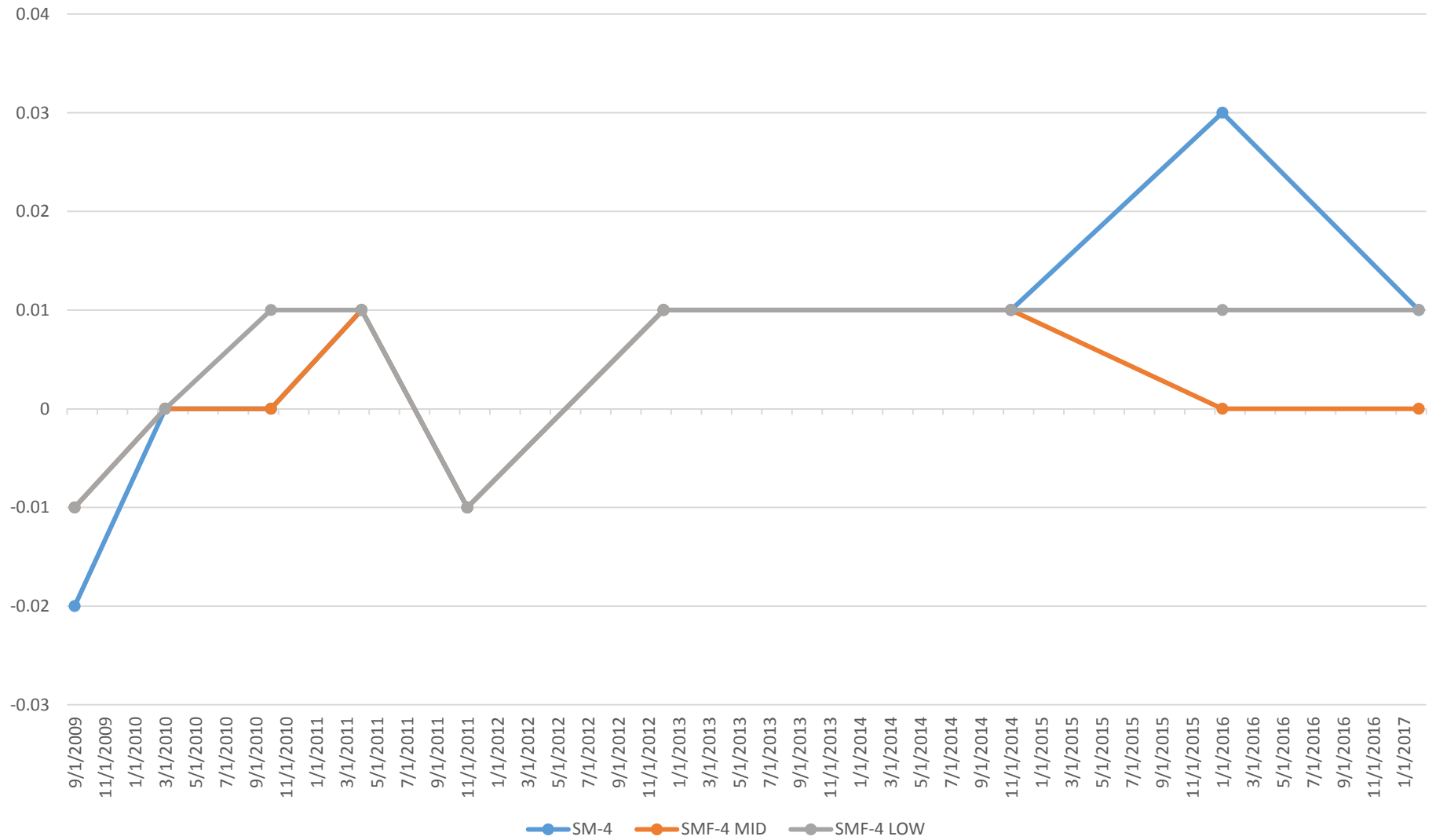
SURFACE MONITOR 2



SURFACE MONITOR 3



SURFACE MONITOR 4



Chavez, Carl J, EMNRD

From: Parker, Ken <Ken.Parker@wnr.com>
Sent: Tuesday, February 28, 2017 2:22 PM
To: Chavez, Carl J, EMNRD
Subject: Fw: Subsidence Report
Attachments: SUBSIDENCEREPORT_02152017.pdf

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15 February, 2017

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Western Refining Subsidence Monitoring

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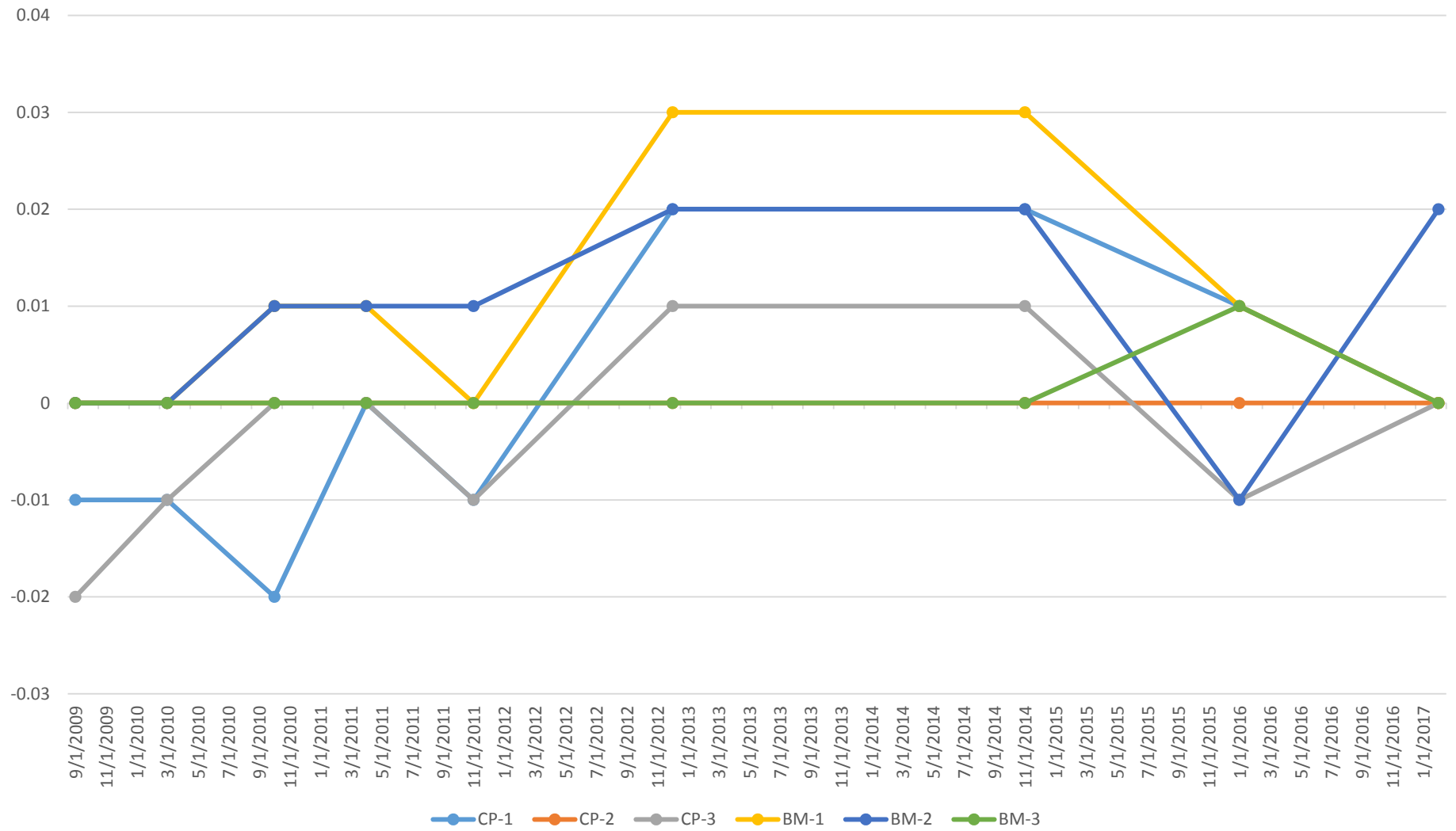
Please review this report of survey findings for the subject project. Please comment as necessary.

SUBSIDENCE MONUMENT MONITORING

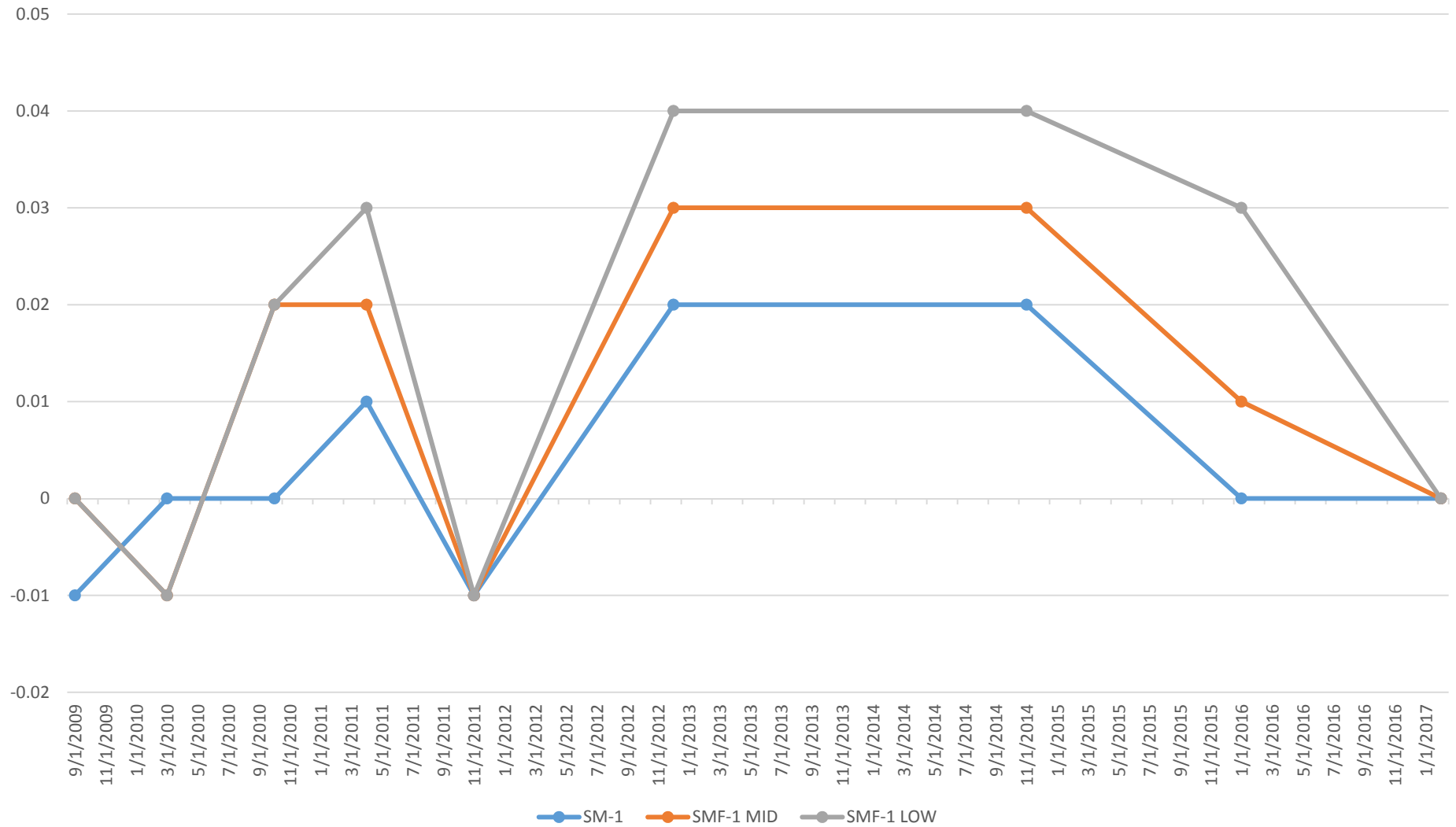
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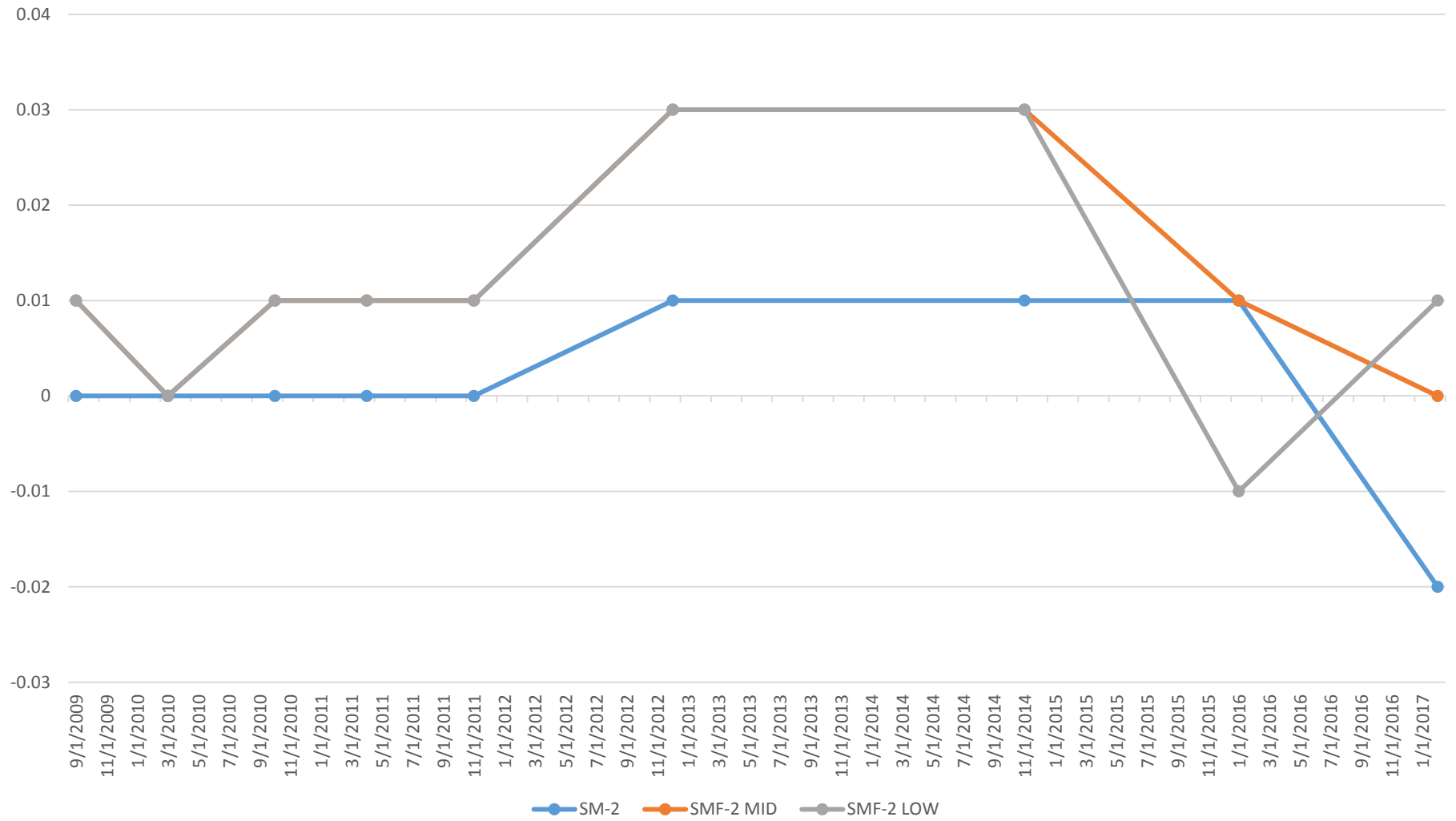
WESTERN REFINING CONTROL POINTS
JAL, NM



SURFACE MONITOR 1



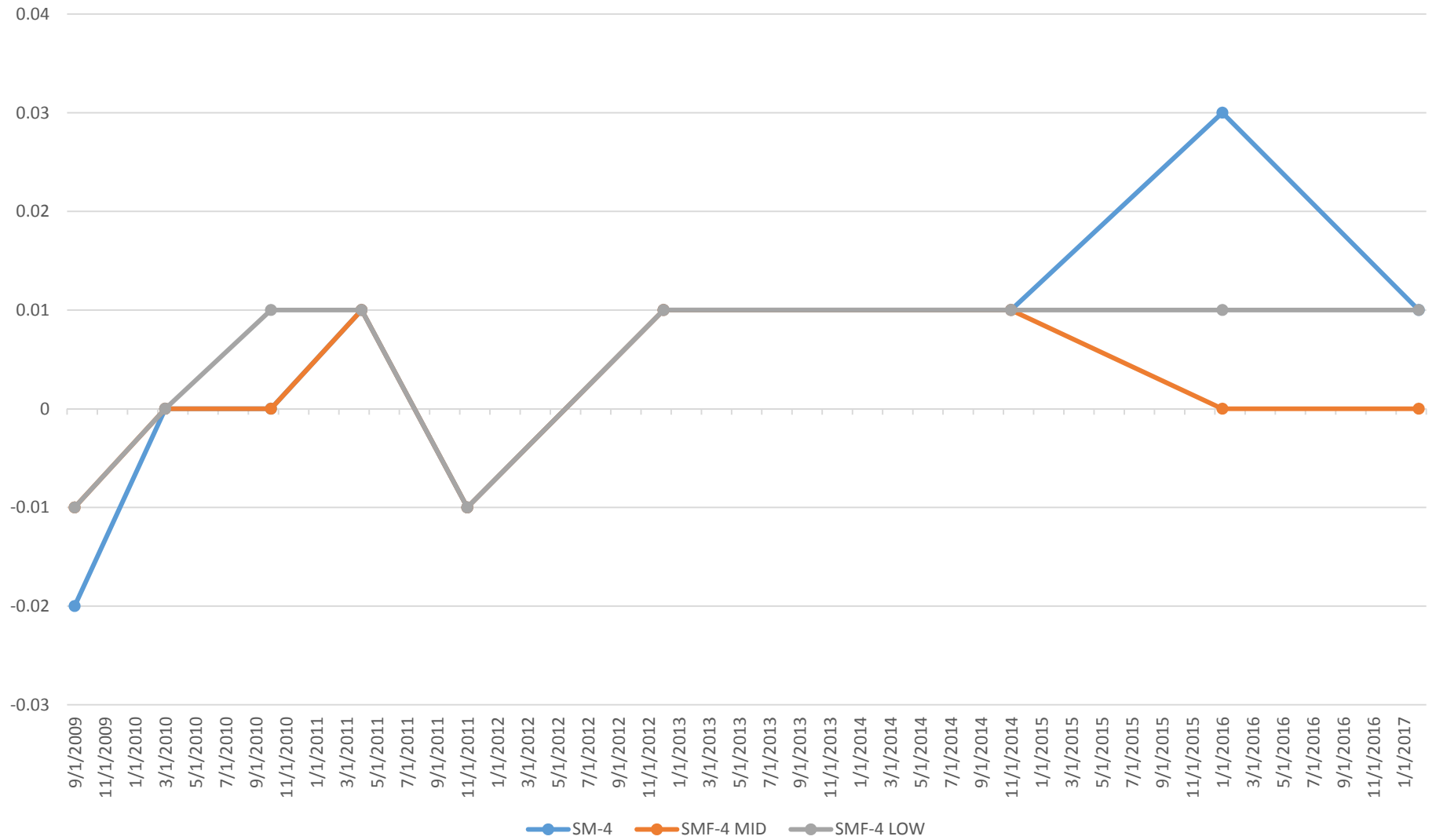
SURFACE MONITOR 2



SURFACE MONITOR 3



SURFACE MONITOR 4



Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, March 14, 2017 10:49 AM
To: 'Parker, Ken'
Cc: Griswold, Jim, EMNRD; Brown, Maxey G, EMNRD
Subject: RE: Western Refinery Jal LPG Storage Facility Subsidence Monitoring Report
Attachments: SUBSIDENCEREPORT_03072017.pdf

Ken:

The New Mexico Oil Conservation Division (OCD) is in receipt of the above subject report.

OCD notices that Pettigrew recently switched to using a Trimble DiNi digital level, which reads a bar code off of a special rod in order to determine difference in elevation from a known control point. This level is very accurate and the use helps to eliminate human reading errors.

OCD recommends that Western develop an SOP for all future facility subsidence surveys to promote duplication of the survey method and greater accuracy in the survey results.

From our phone call this morning, OCD understands Western's desire to change from bi-annual surveying to annual surveying, and OCD approves.

OCD hereby approves the report and concurs with the conclusions of the report that no noticeable trend in monument elevation at monitoring points over time (~ 8 yrs) could be observed indicating subsidence is currently a concern at the facility.

Please contact me if you have questions. Thank you.

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St Francis Drive
Santa Fe, New Mexico 87505
Ph. (505) 476-3490
E-mail: CarlJ.Chavez@state.nm.us

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From: Parker, Ken [mailto:Ken.Parker@wnr.com]
Sent: Thursday, March 9, 2017 8:15 AM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Subject: Fw: Western Refinery Jal LPG Storage Facility

Carl,

Please review the subsidence report and notify me if OCD will approve the report.

Ken

From: Jeremy Baker <JBaker@pettigrew.us>
Sent: Tuesday, March 7, 2017 9:55 AM
To: CarlJ.Chavez@state.nm.us; Parker, Ken
Subject: Western Refinery Jal LPG Storage Facility

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Gentlemen,

Please see attached subsidence report for your use.

Jeremy Baker, PE | Senior Project Manager



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575.393.9827 ext. 56
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jbaker@pettigrew.us
www.pettigrew.us



Ken Parker, Western Refining
PO Box 1345
Jal, New Mexico, 88252
575-392-2632

15 February, 2017

RE: GW-7 Jal LPG Storage Facility
Annual Subsidence Survey Report

SUBSIDENCE MONUMENT MONITORING

On February 15, 2017 a field survey was conducted to check for changes in monitoring location elevations at the Western Refining Facility located at the intersection of NM18 and Deep Wells Road near Jal, NM.

This survey was conducted using a Trimble DiNi digital level, which reads a bar code off of a special rod in order to determine difference in elevation from a known control point. This level is very accurate and the use helps to eliminate human reading errors. The data is stored onboard and may be transferred directly into the computer software at the office for analysis of results, ensuring greater accuracy.

Control Point CP2 (elevation 3297.82 above mean sea level (MSL)) has historically been the Reference Primary Elevation Point for determining elevations on this project. As in the past, a level loop was run thru the project with side shots as needed to check the different monuments, benchmarks, and control points at this site.

Observations were made on all available points and tabulated to compare the elevations to the base elevations established on May 13, 2009. See Table A for these results. Additionally, the results for the last 8 years have been tabulated and appear in Table B. Each monitoring point has also been plotted on a trend chart to aid in a visual on the amount of movement of the points.

Prior to this survey, the elevations on the monitoring points were determined utilizing an automatic level, which is more prone to instrument operator reading errors than the DiNi that will now be used for all future monitoring at this site.

The surveyed elevations along with deltas from established values as follows:

NAME	BASE ELEVATION 5/13/2009	ELEVATION 02/15/2017	CHANGE IN ELEVATION
CP-1	3293.47	3293.47	No Change
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BM-1	3294.30	3294.30	No Change
BM-2	3296.62	3296.64	+0.02
BM-3	3297.73	3297.73	No Change

Table A

Monitoring Points and Elevations

Point	5/13/2009	9/25/2009	3/9/2010	10/29/2010	4/15/2011	11/10/2011	12/21/2012	11/12/2014	1/14/2016	2/15/2017
CP-1	3293.47	3293.46	3293.46	3293.45	3293.47	3293.46	3293.49	3293.49	3293.48	3293.47
CP-2	3297.82	3297.82	3297.82	3297.82	3297.82	3297.82	3297.82	3297.82	3297.82	3297.82
CP-3	3293.56	3293.54	3293.55	3293.56	3293.56	3293.55	3293.57	3293.57	3293.55	3293.56
SM-1	3292.27	3292.26	3292.27	3292.27	3292.28	3292.26	3292.29	3292.29	3292.27	3292.27
SM-2	3294.56	3294.56	3294.56	3294.56	3294.56	3294.56	3294.57	3294.57	3294.57	3294.54
SM-3	3294.85	3294.83	3294.85	3294.84	3294.86	3294.85	3294.86	3294.86	3294.86	3294.86
SM-4	3294.86	3294.84	3294.86	3294.86	3294.87	3294.85	3294.87	3294.87	3294.89	3294.87
SMF-1 MID	3295.62	3295.62	3295.61	3295.64	3295.64	3295.61	3295.65	3295.65	3295.63	3295.62
SMF-1 LOW	3293.67	3293.67	3293.66	3293.69	3293.7	3293.66	3293.71	3293.71	3293.7	3293.67
SMF-2 MID	3297.42	3297.43	3297.42	3297.43	3297.43	3297.43	3297.45	3297.45	3297.43	3297.42
SMF-2 LOW	3295.52	3295.53	3295.52	3295.53	3295.53	3295.53	3295.55	3295.55	3295.51	3295.53
SMF-3 MID	3298.17	3298.17	3298.16	3298.16	3298.19	3298.17	3298.17	3298.17	3298.18	3298.17
SMF-3 LOW	3296.44	3296.43	3296.43	3296.42	3296.44	3296.43	3296.44	3296.44	3296.44	3296.43
SMF-4 MID	3297.73	3297.72	3297.73	3297.73	3297.74	3297.72	3297.74	3297.74		
SMF-4 LOW	3295.99	3295.98	3295.99	3296	3296	3295.98	3296	3296	3296	3296
BM-1	3294.3	3294.3	3294.3	3294.31	3294.31	3294.3	3294.33	3294.33	3294.31	3294.3
BM-2	3296.62	3296.62	3296.62	3296.63	3296.63	3296.63	3296.64	3296.64	3296.61	3296.64
BM-3	3297.73	3297.73	3297.73	3297.73	3297.73	3297.73	3297.73	3297.73	3297.74	3297.73

Table B

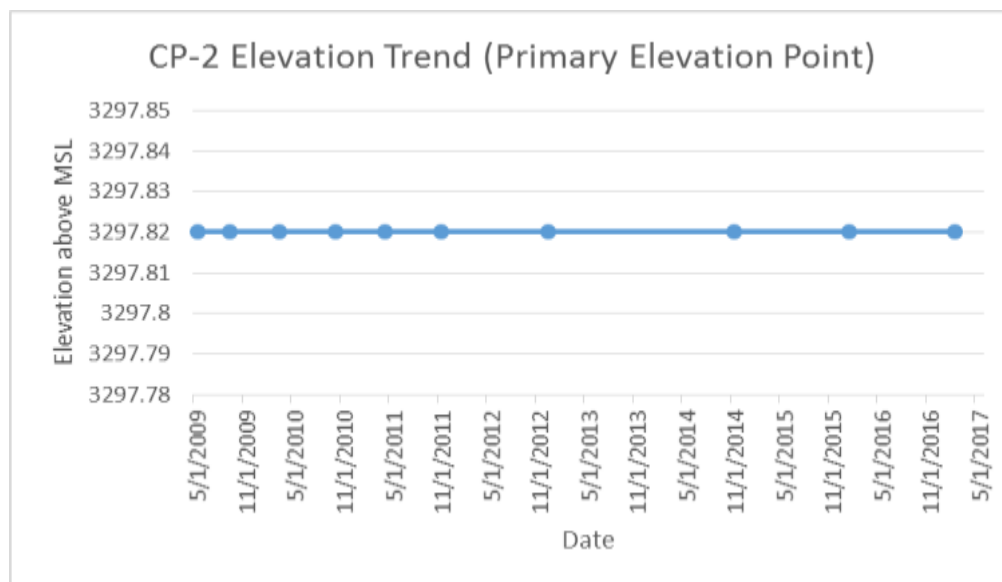
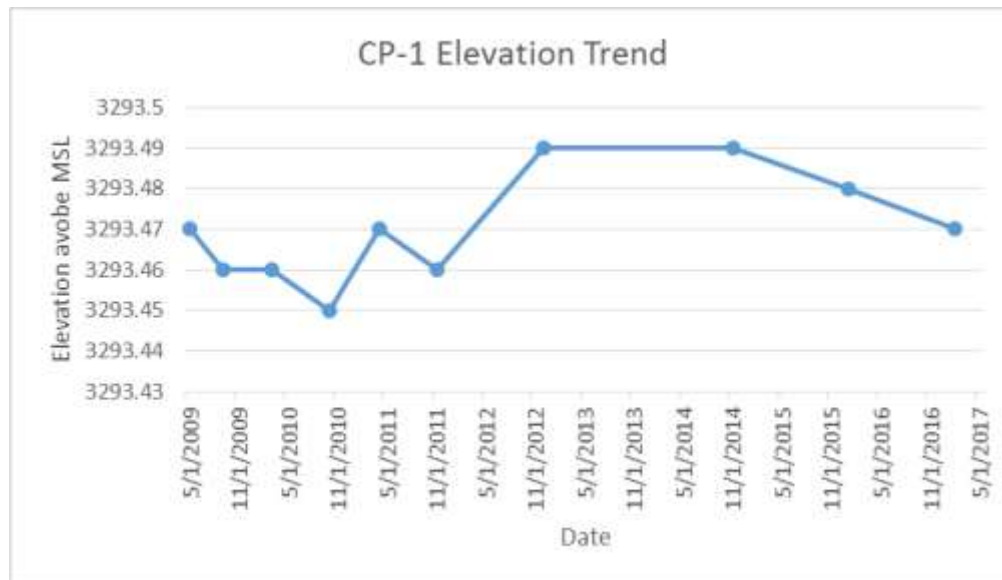


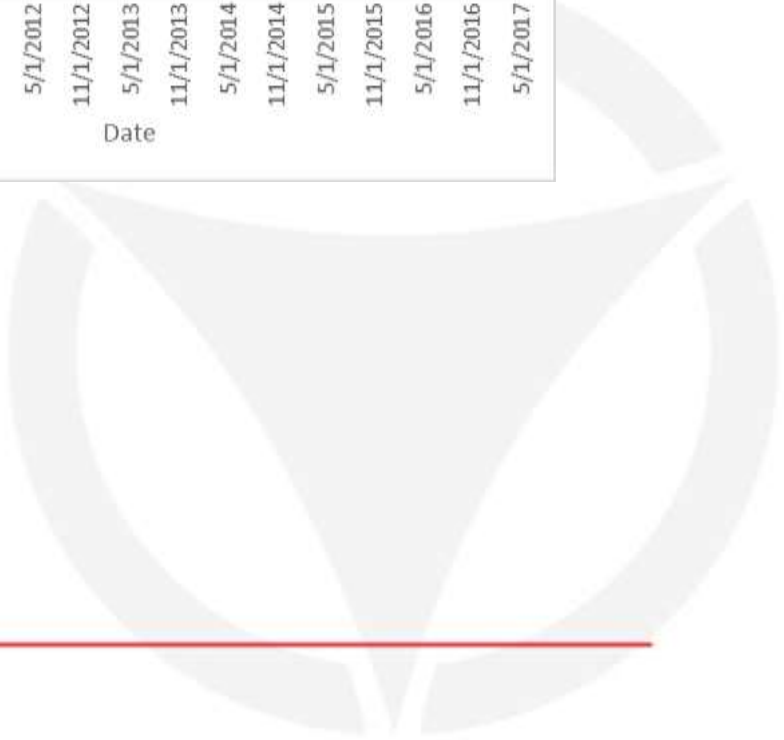
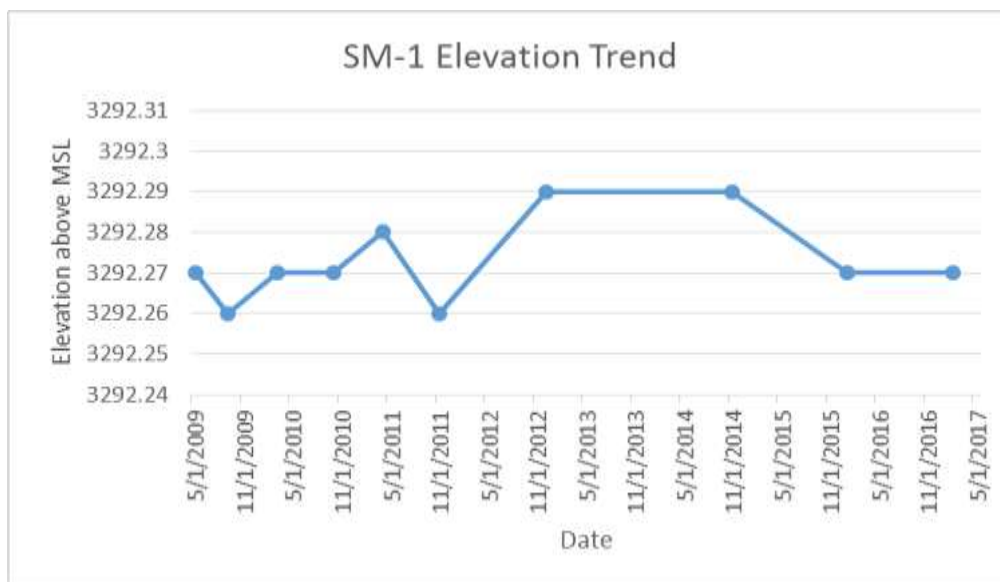
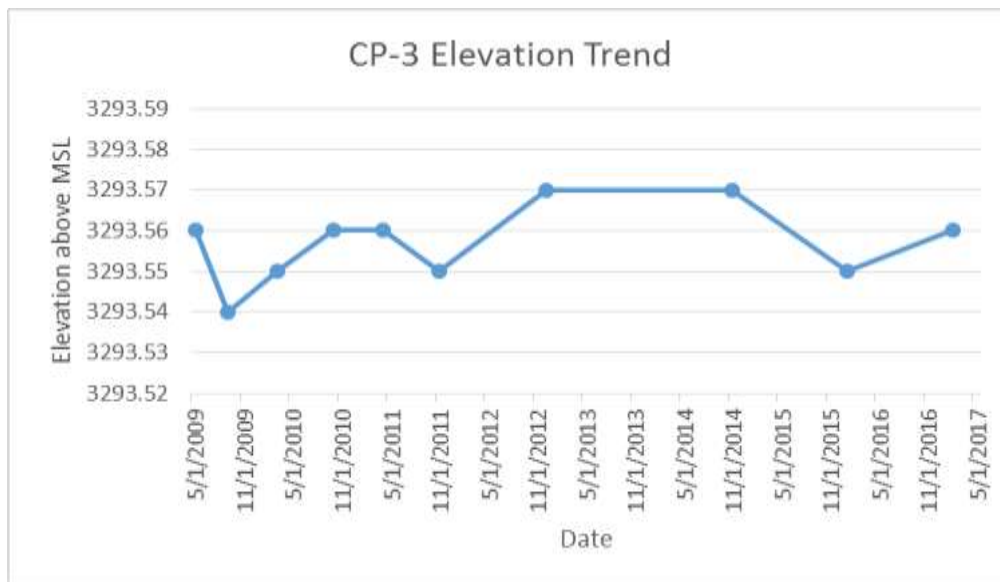
Conclusions

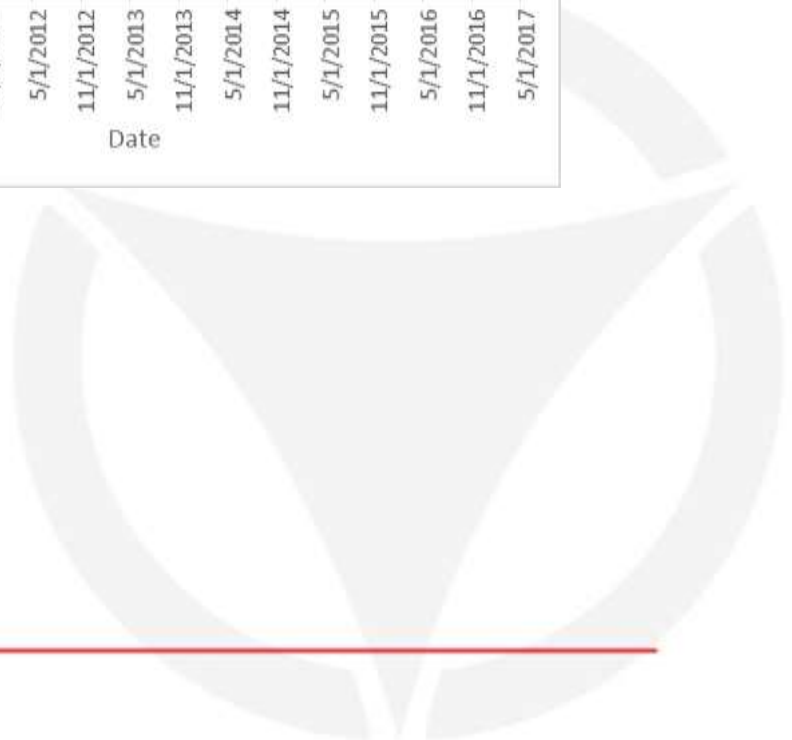
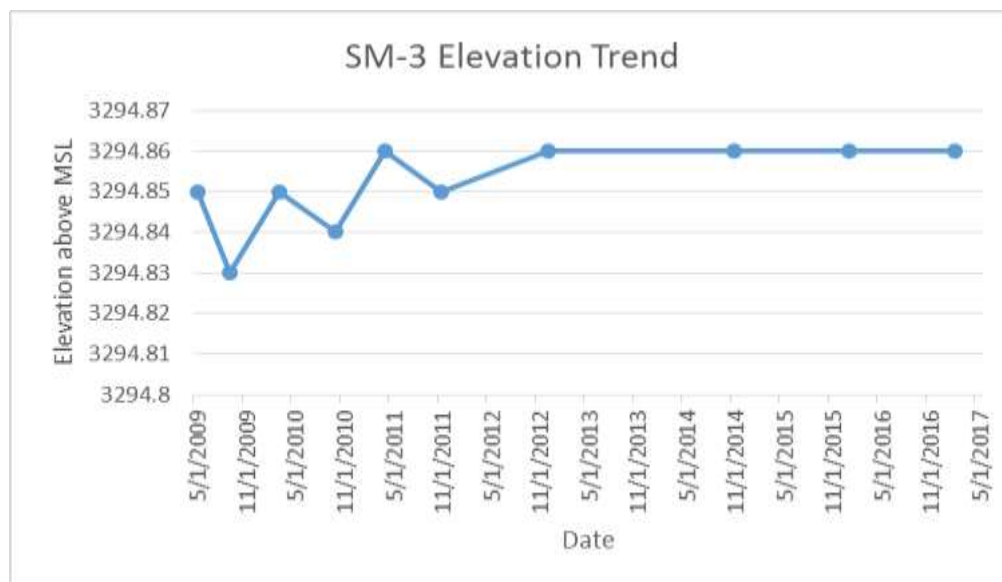
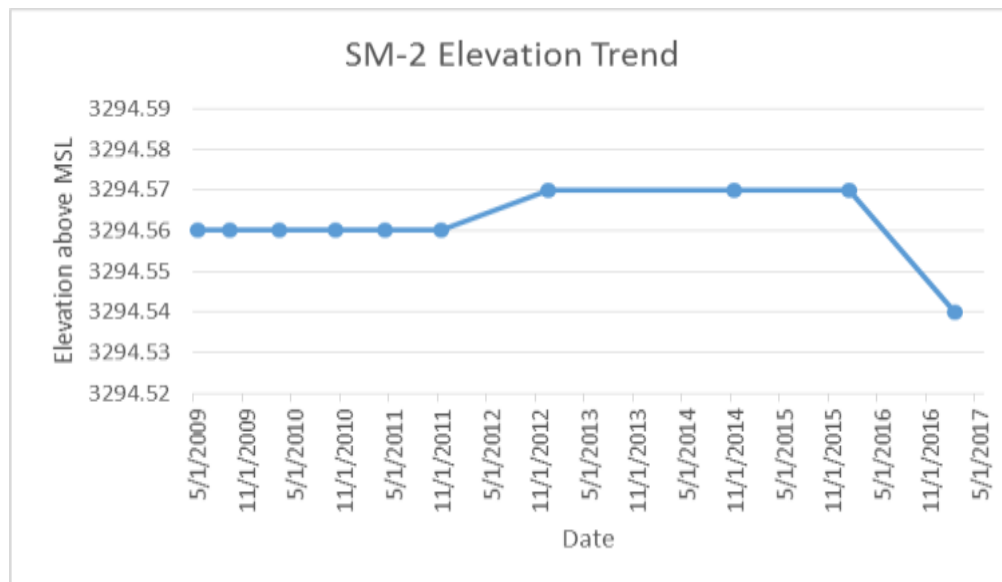
The survey was conducted and results analyzed, using the elevations originally established on May 13, 2009 as the base elevations for each point. The readings were consistent with a stable surface as there was little to no difference in elevations of any monitoring point, the most being on SM-2 with a change of 0.02 feet down. This is most nearly $\frac{1}{4}$ inch. Similar deviation was found in BM-2 with a change of 0.02 upwards. The rest of the points were within tolerance of the readings for the DiNi level, showing 0.01 feet of difference or less, which is an unremarkable elevation change.

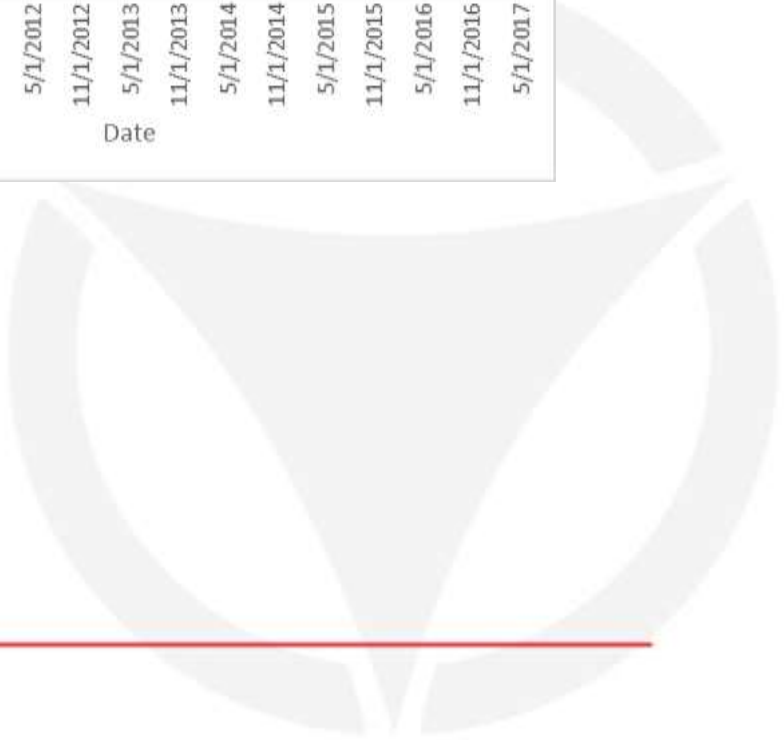
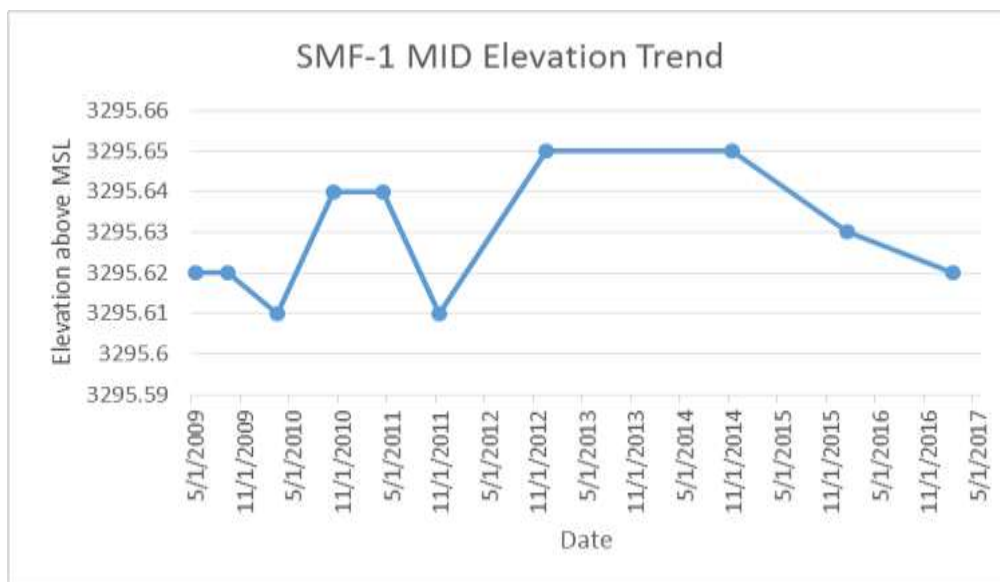
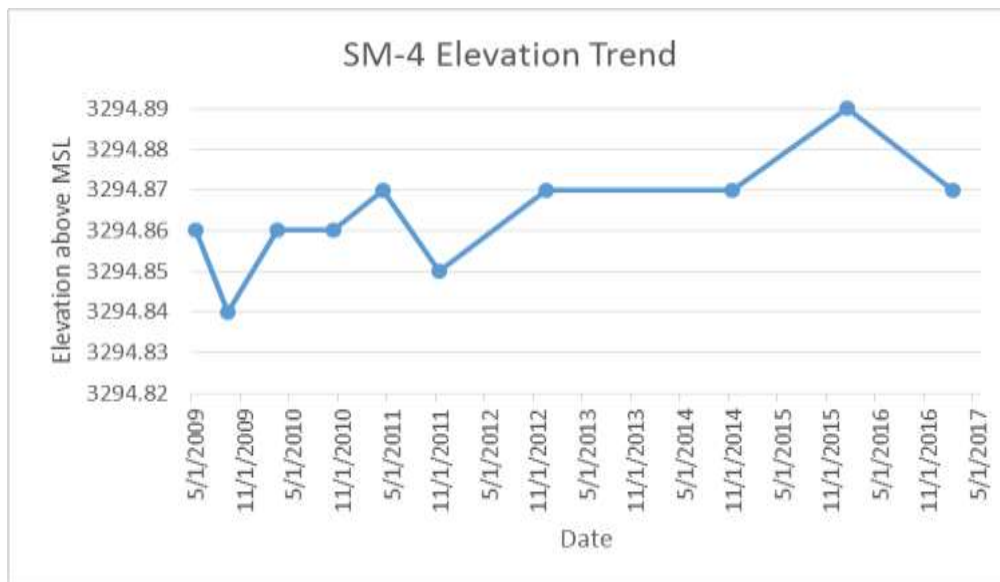
The area appears stable with little movement either up or downward over the past 8 years of monitoring. The maximum differences in elevation at the SM-4 and SMF-1 LOW locations are around 0.05 feet, or about $\frac{1}{2}$ inch from observed low elevation to observed high elevation, some of which was likely due to instrument and operator reading error. Most differences were 0.03 feet (about $\frac{3}{8}$ inch) or less over the 8 year monitoring period. Trend charts for each monitoring, control, and bench mark point are attached as Exhibits herein.

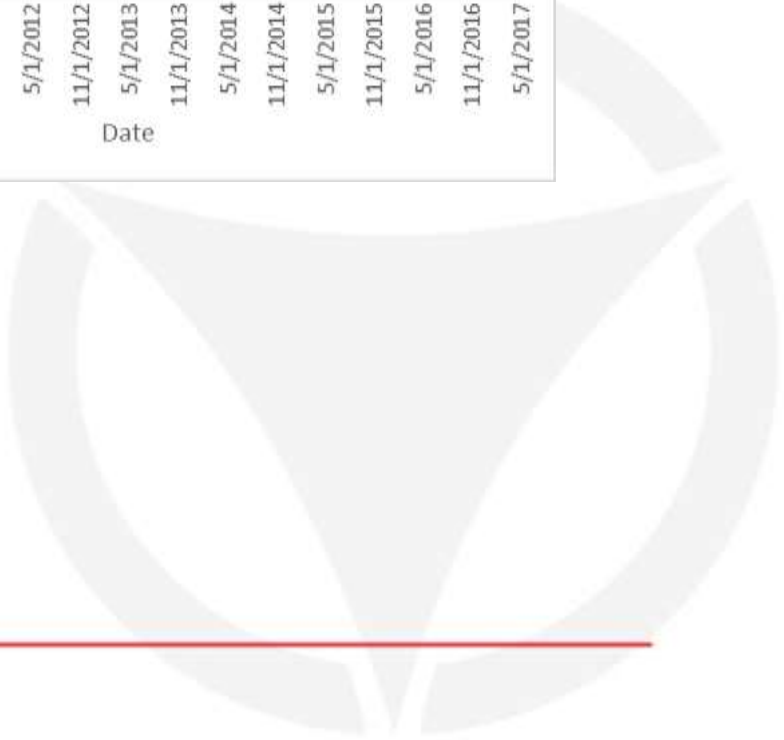
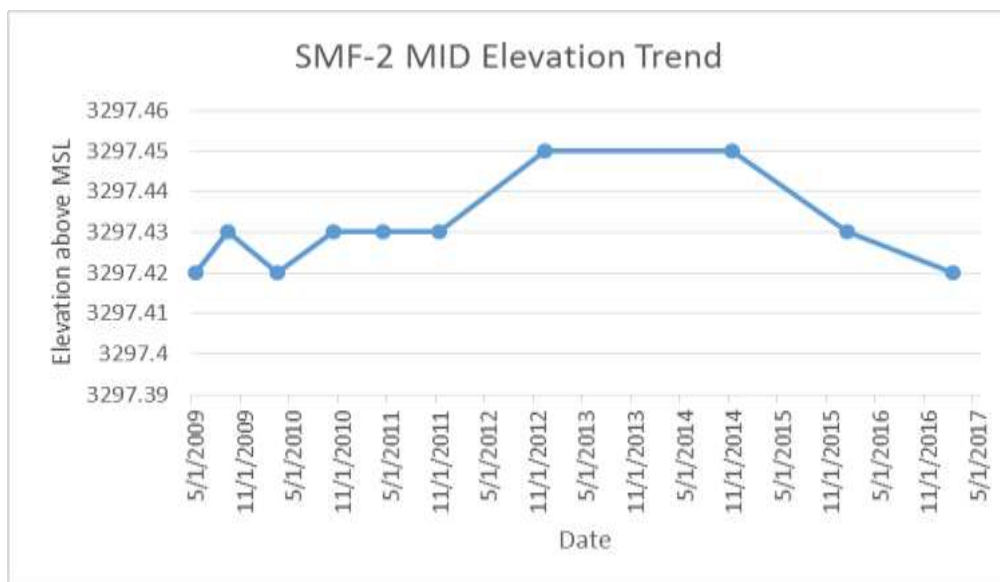
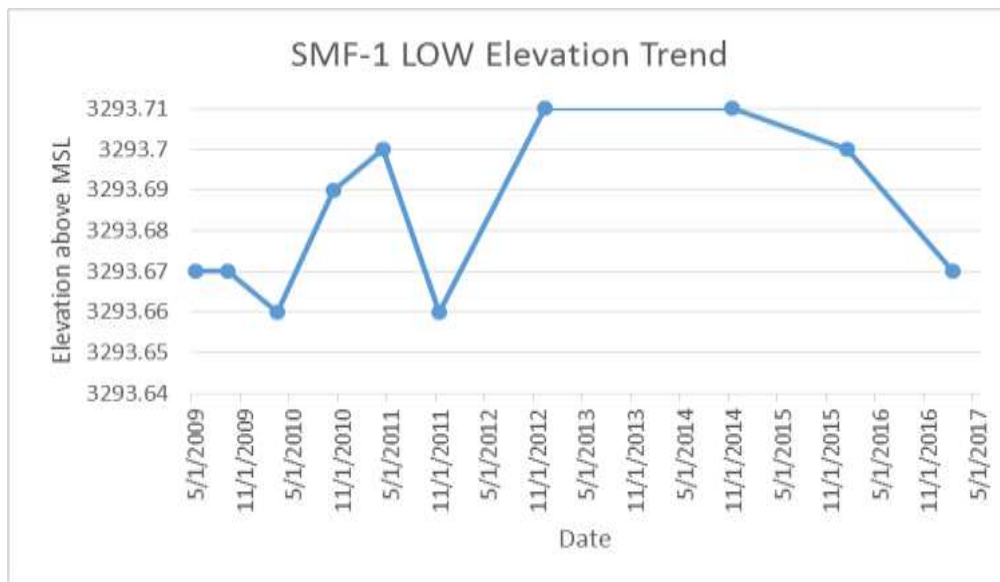


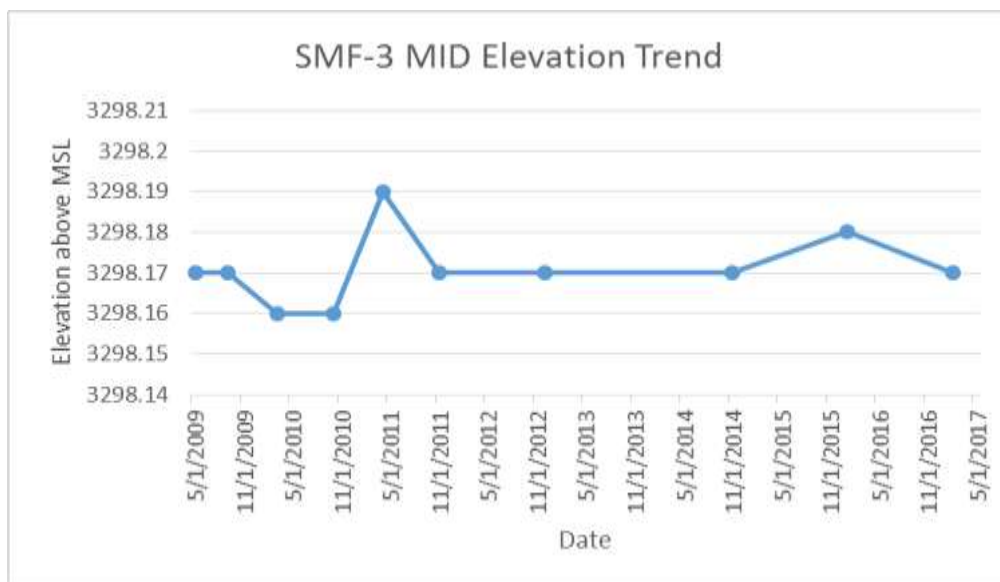
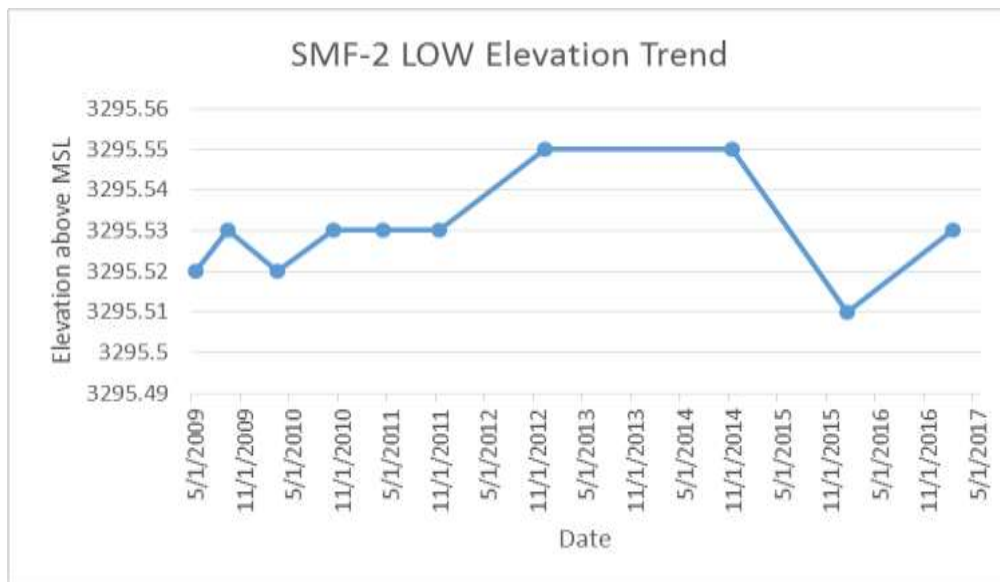


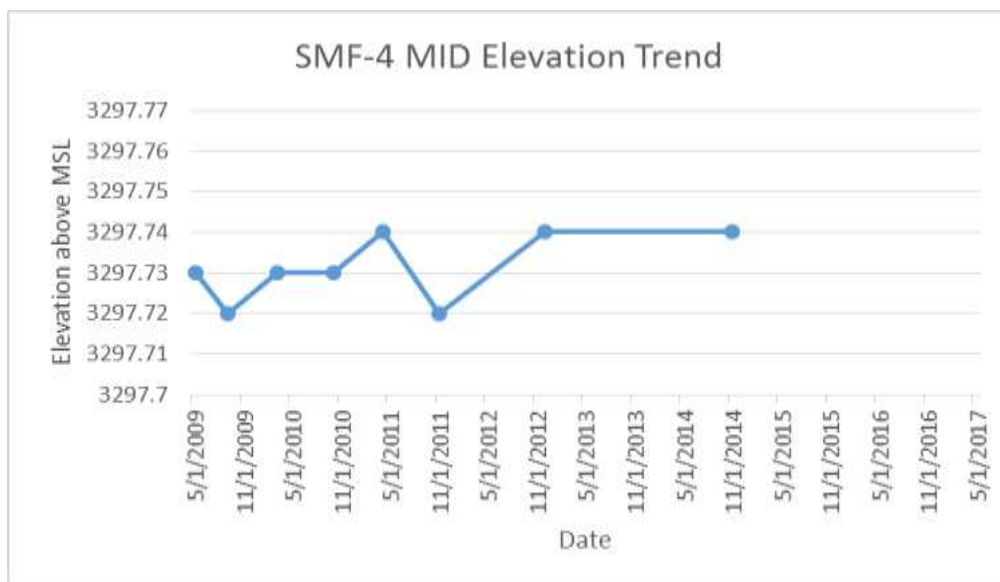
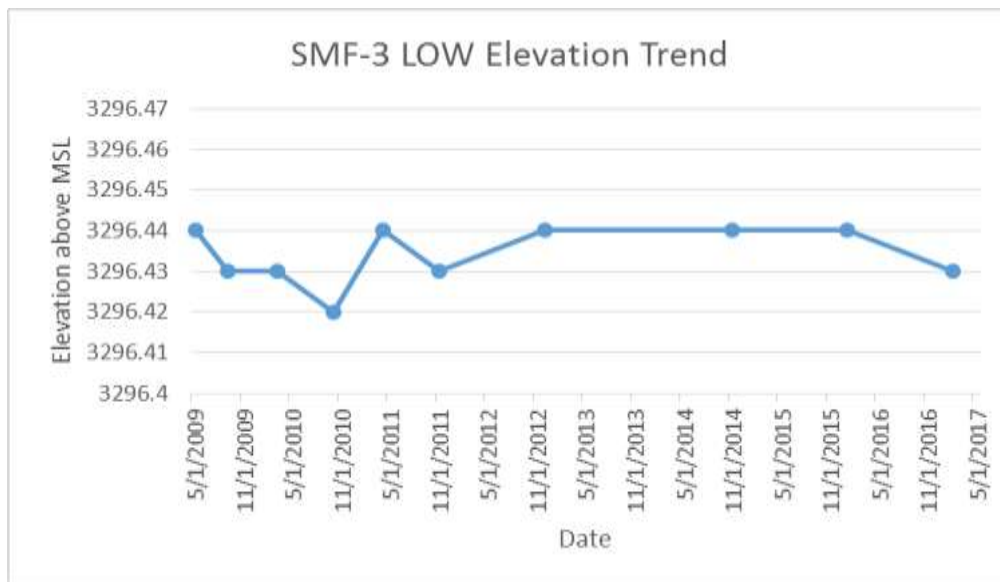


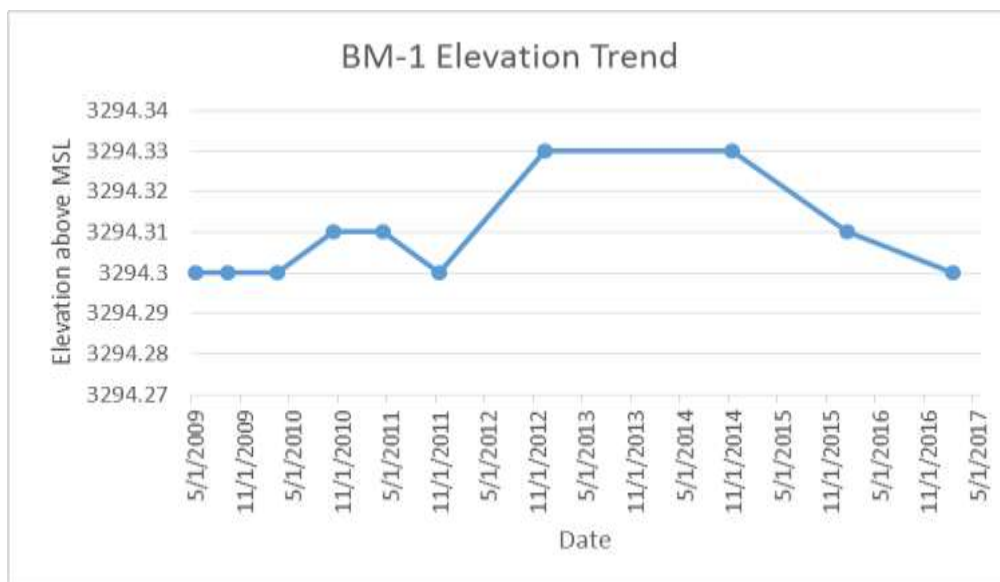
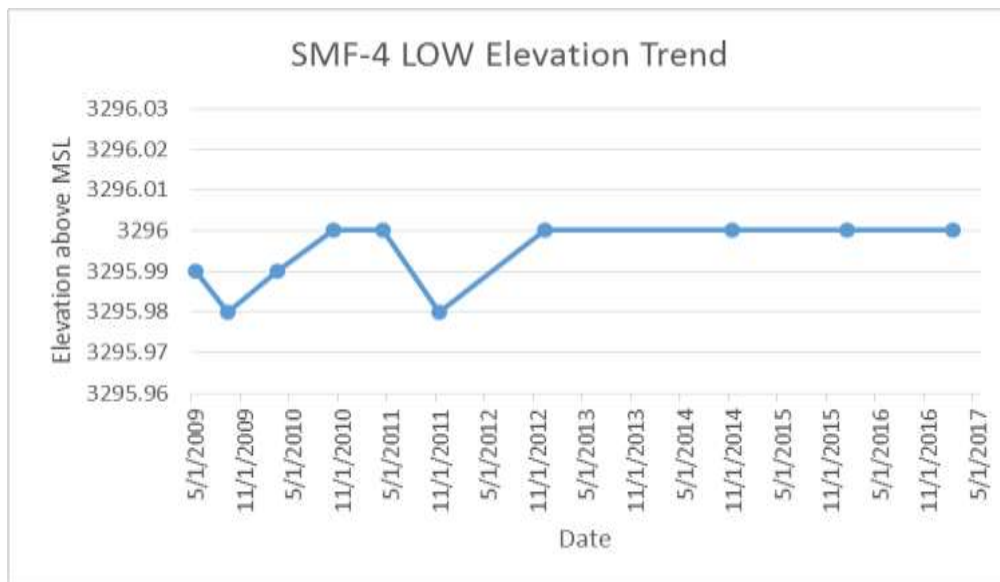


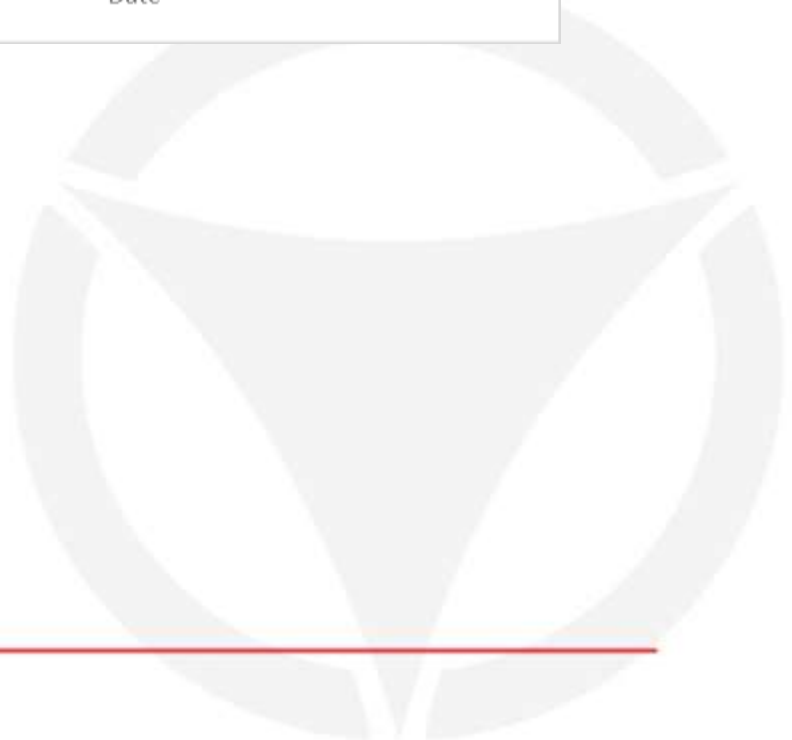
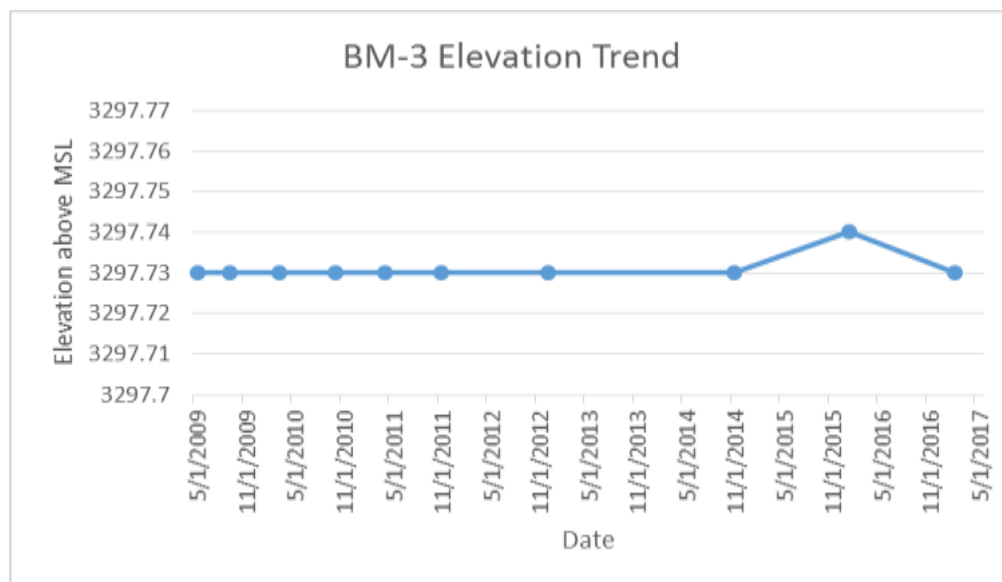
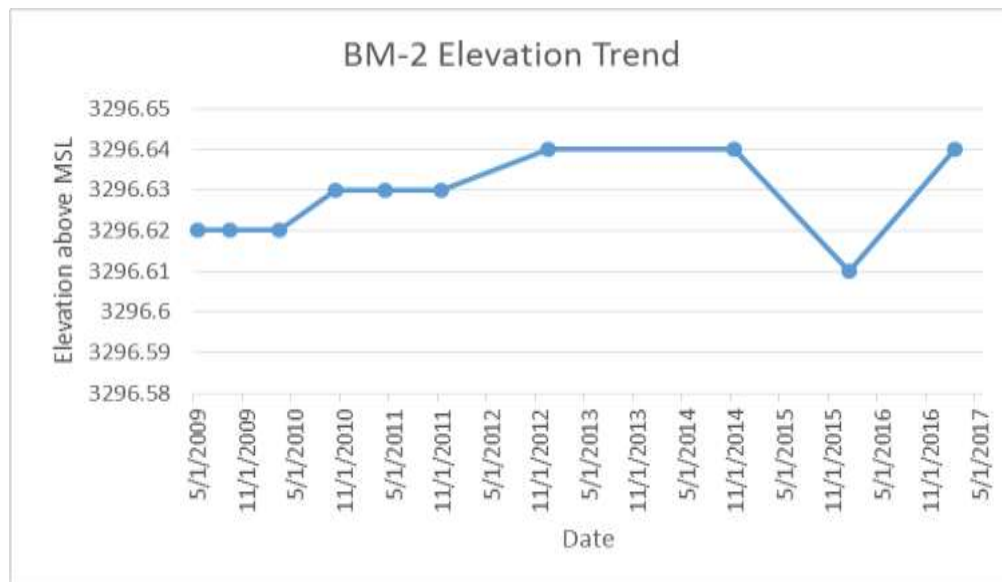


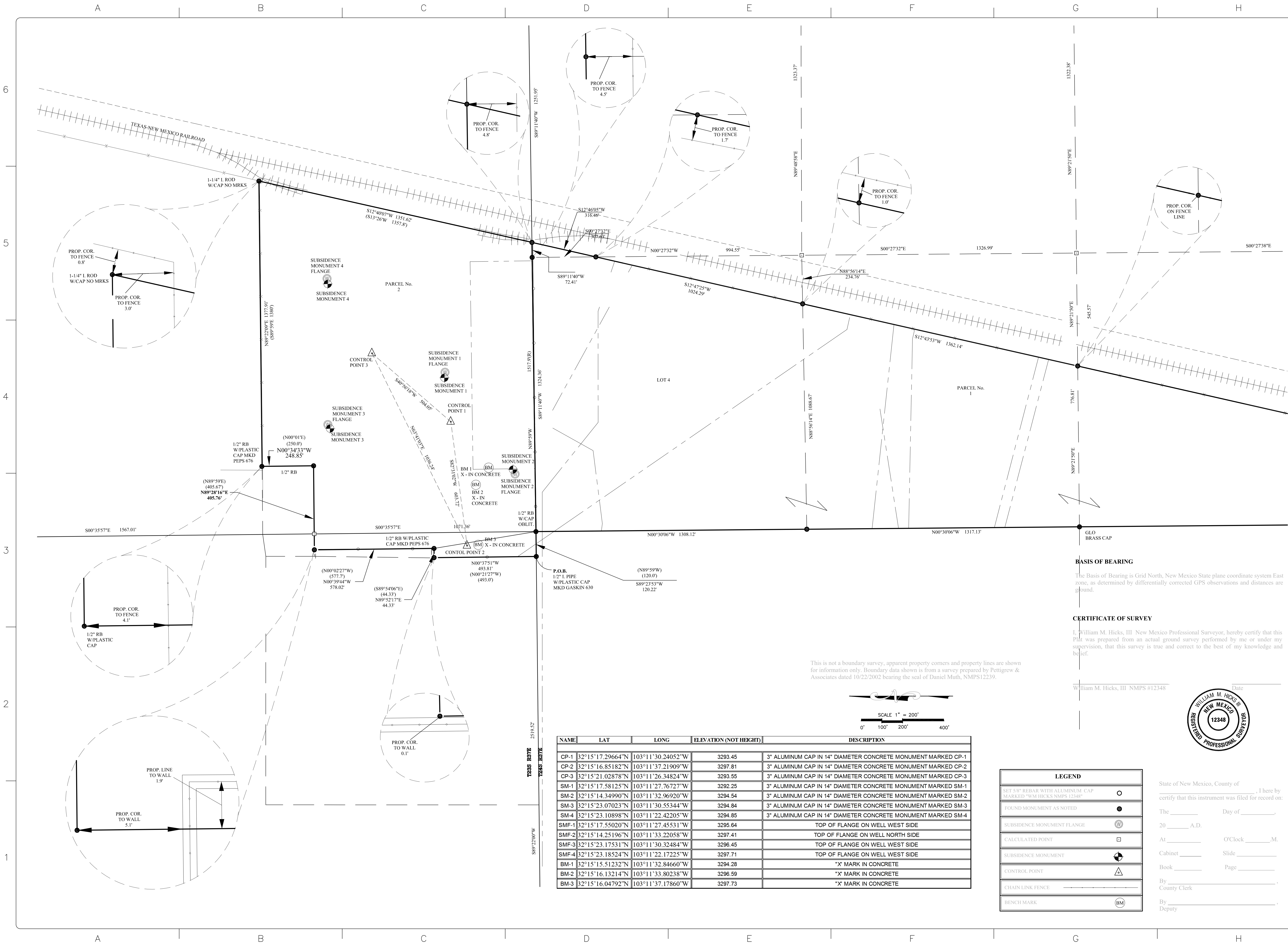












NAME	LAT	LONG	ELEVATION (NOT HEIGHT)	DESCRIPTION
CP-1	32°15'17.29664"N	103°11'30.24052"W	3293.45	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED CP-1
CP-2	32°15'16.85182"N	103°11'37.21909"W	3297.81	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED CP-2
CP-3	32°15'21.02878"N	103°11'26.34824"W	3293.55	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED CP-3
SM-1	32°15'17.58125"N	103°11'27.76727"W	3292.25	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED SM-1
SM-2	32°15'14.34990"N	103°11'32.96920"W	3294.54	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED SM-2
SM-3	32°15'23.07023"N	103°11'30.55344"W	3294.84	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED SM-3
SM-4	32°15'23.10898"N	103°11'22.42205"W	3294.85	3" ALUMINUM CAP IN 14" DIAMETER CONCRETE MONUMENT MARKED SM-4
SMF-1	32°15'17.55020"N	103°11'27.45531"W	3295.64	TOP OF FLANGE ON WELL WEST SIDE
SMF-2	32°15'14.25196"N	103°11'33.22058"W	3297.41	TOP OF FLANGE ON WELL NORTH SIDE
SMF-3	32°15'23.17531"N	103°11'30.32484"W	3296.45	TOP OF FLANGE ON WELL WEST SIDE
SMF-4	32°15'23.18524"N	103°11'22.17225"W	3297.71	TOP OF FLANGE ON WELL WEST SIDE
BM-1	32°15'15.51232"N	103°11'32.84660"W	3294.28	"X" MARK IN CONCRETE
BM-2	32°15'16.13214"N	103°11'33.80238"W	3296.59	"X" MARK IN CONCRETE
BM-3	32°15'16.04792"N	103°11'37.17860"W	3297.73	"X" MARK IN CONCRETE

LEGEND	
SET 3" REBAR WITH ALUMINUM CAP MARKED "WM HICKS NMPS 12348"	○
FOUND MONUMENT AS NOTED	●
SUBSIDENCE MONUMENT FLANGE	⊗
CALCULATED POINT	□
SUBSIDENCE MONUMENT	⊕
CONTROL POINT	△
CHAIN LINK FENCE	—+—+—+—
BENCH MARK	Ⓚ

State of New Mexico, County of _____, I hereby certify that this instrument was filed for record on:

The _____ Day of _____, 20____ A.D.

At _____ O'Clock _____ M.

Cabinet _____ Slide _____

Book _____ Page _____

By _____ County Clerk

By _____ Deputy

REVISIONS		Date	Asgr.
1	Revised to correct subsidence monument elevations	8/14/2009	

DRAWN BY:	TH	PROJECT NO:	
DATE:	08/14/2008	APPROVED BY:	2008.1061
FILE PATH:	AcSubstator With Long Monitor Station Locations n.dwg		

Pettigrew & Associates, P.A.
A Professional Engineering, Surveying & Testing Company
11100 N. Grimes Hobbs, N.M. 88240
(505) 393-9827
www.pettigrew.us

INDEXING INFO FOR COUNTY CLERK:
OWNER: WESTERN REFINING
LOC: PART OF SECTION 4, T23S, R37E, S1 & 32, T23S, R37E, S1 & 32, JAL, NEW MEXICO

PLAT OF SUBSIDENCE MONITORING STATIONS FOR WESTERN REFINING COMPANY
MONITOR STATION LOCATION

SHEET NO. **S101**

SEQUENCE NO. **1 OF 1**

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, January 31, 2017 4:06 PM
To: Parker, Ken (Ken.Parker@wnr.com)
Cc: Griswold, Jim, EMNRD
Subject: GW-7 Jal LPG Storage Facility Annual Report 2016

Ken:

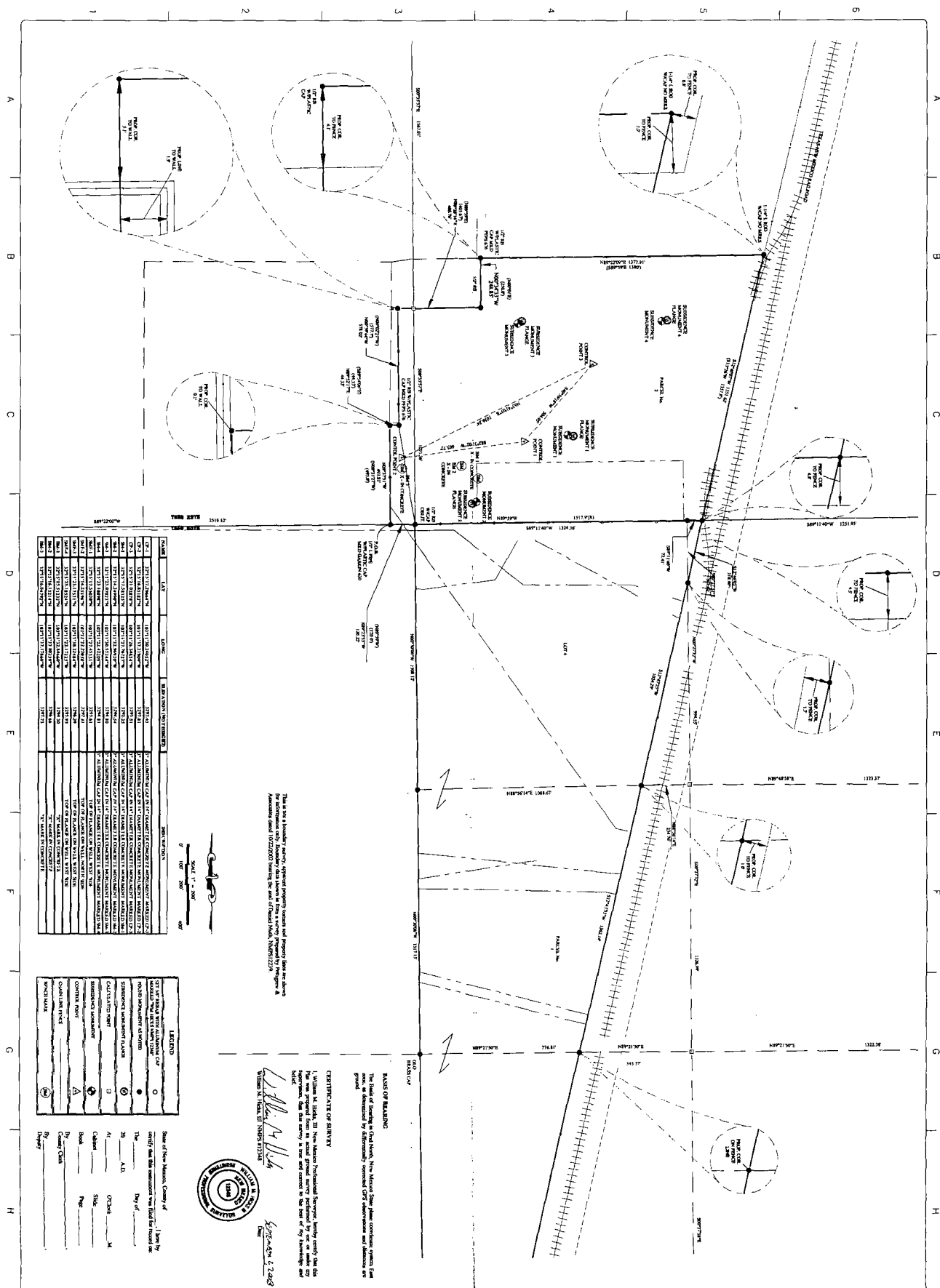
The New Mexico Oil Conservation Division (OCD) has reviewed the above subject submittal and notice that subsidence monitoring data results was submitted from 12/21/2012 over 5 years ago.

Please submit more current subsidence monitoring records to OCD within 30 days of receipt of this e-mail.

Thank you.

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St Francis Drive
Santa Fe, New Mexico 87505
Ph. (505) 476-3490
E-mail: CarlJ.Chavez@state.nm.us

“Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?” (To see how, go to: <http://www.emnrd.state.nm.us/OCD> and see “Publications”)



This is not a boundary survey, as per our property records and property lines are shown for information only. Boundary data shown is from a survey prepared by McIntyre & Associates dated 10/22/2002 bearing the seal of Donald McRob, NMS&S 1229.

[illegible]

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REVISIONS 1 of 1	SHEET NO. S101	PLANT OF SUBSIDENCE MONITORING STATIONS FOR WESTERN REFINING COMPANY MONITOR STATION LOCATION	INDEXING INFO FOR COUNTY CLERK OWNER: WESTERN REFINING LOC: PART OF SECTION 3, T4E 8TH PART OF SECTION 31 & 32, R1E, N43W, M4E, AL, NEW MEXICO	Pettigrew & Associates, P.A. A Professional Engineering, Surveying & Testing Company 1110 N. Central Avenue, Suite 300, B240 (505) 793-9817 www.pettigrew.us		DATE: 09/02/2008 APPROVED BY: TH FILE PATH: ACG\Monitor\Monitor\Station Location\N. map	DRAWN BY: Ned PROJECT NO: 2008-1061	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">REVISIONS</th> </tr> <tr> <th style="width:10%;">No.</th> <th style="width:40%;">Description</th> <th style="width:20%;">Date</th> <th style="width:30%;">By</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS				No.	Description	Date	By																																								
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Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-35954
1. Type of Well: Oil Well ☐ Gas Well ☒ Other LPG Storage		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Western Refining Company, LP		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 1345 Jal, New Mexico 88252		7. Lease Name or Unit Agreement Name State LPG Storage Well
4. Well Location Unit Letter <u>M</u> : <u>450</u> feet from the <u>South</u> line and <u>780</u> feet from the <u>West</u> line Section <u>32</u> Township <u>23S</u> Range <u>37E</u> NMPM Lea County		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 248440
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Salado
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The following activities were completed:

1-13-09

Perforated tubing with 80 holes from 1800 ft to 1804 ft.

1-17-09

Perforated tubing with 96 holes from 1796 ft. to 1800 ft.

Well one was put into service after perforating tubing on January 13, 2009. After operating well 1 for the next several days, it was determined that well 1 was not taking enough brine water.

We moved up hole another 4 feet and perforated the tubing between 1796 and 1800 feet. The well was put into service and is currently working within its normal parameters.

Well Diameter

Sonar to 1750 FT. = 29,049.5 Barrels per cubic ft.

Overfill Cavern (Controlled) 6-26-01= 1796 FT. 201,013 barrel per cubic ft.

201,013-29,049.5= 171,963.5 barrels in 46 feet of height.

171,963.5/46 ft= 3,738.34 barrels per cubic ft.

3,738.34 * 5.615= 20,990.779 cubic feet per foot.

Diameter Calculation

Volume/.785=radius

$20,990.7791 / .785 = \text{sqrt. } (26,739.846) = 163.523 \text{ ft.}$

Diameter= **81.76 ft.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE _____ TITLE Manager DATE 1-27-09

Type or print name Ken Parker

E-mail address: ken.parker@wnr.com

Telephone No. 575-395-2632

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):