

GW-007

MIT REPORT

YEAR(S):

10/17/2007

Chavez, Carl J, EMNRD

From: Paul Hughes <phughes@geostockus.com>
Sent: Friday, November 16, 2012 2:33 PM
To: Chavez, Carl J, EMNRD; Cyril Breheret; Rene Kleinenberg
Cc: Gonzales, Elidio L, EMNRD; Bill Batson; Parker, Ken; ron.weaver@wnr.com
Subject: RE: GW-7 Jal LPG Storage Well Facility Wells 3 and 4

Mr Chavez, I will pass this along to Cyril and the engineering group. Thanks for the constructive feedback..

Cheers, PT Hughes, Jr


US
geostock
UNDERGROUND STORAGE ENGINEERING
Paul (PT) Hughes, Jr., P.E.
Drilling Manager
16420 Park Ten Place, Suite 450, Houston, TX 77084
Cell: 832-715-9060 (Main #)
Direct: 281 944 3027
Fax: 281 944 3042

From: Chavez, Carl J, EMNRD [<mailto:CarlJ.Chavez@state.nm.us>]
Sent: Friday, November 16, 2012 15:30
To: Paul Hughes
Cc: Gonzales, Elidio L, EMNRD
Subject: FW: GW-7 Jal LPG Storage Well Facility Wells 3 and 4

Mr. Hughs:

One procedural item that was discussed this afternoon by the test engineer that I would like to clarify is:

I recall that he said that the injection line would remain hooked up to continuously inject into the cavern or maintain pressure on the cavern. The OCD typically requires once the cavern is pressured up and the start pressure is determined and documented, that lines leading into the cavern be disconnected in order to assess pressure loss, etc.

Therefore, OCD would prefer not to allow external lines connected to the cavern after it is pressured up for the test and test is started. Please make a note of this.

Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Drive, Santa Fe, New Mexico 87505
Office: (505) 476-3490
E-mail: CarlJ.Chavez@State.NM.US
Website: <http://www.emnrd.state.nm.us/ocd/>

“Why Not Prevent Pollution; Minimize Waste; Reduce the Cost of Operations; & Move Forward With the Rest of the Nation?” To see how, please go to: “Pollution Prevention & Waste Minimization” at <http://www.emnrd.state.nm.us/ocd/environmental.htm#environmental>

From: Chavez, Carl J, EMNRD
Sent: Friday, November 16, 2012 2:21 PM
To: Gonzales, Elidio L, EMNRD
Cc: Sanchez, Daniel J., EMNRD; VonGonten, Glenn, EMNRD; Paul Hughes (phughes@geostockus.com)
Subject: GW-7 Jal LPG Storage Well Facility Wells 3 and 4

EL:

FYI: I received a call from Paul Hughs this afternoon stating that the MIT procedure has changed from a nitrogen interface test to a brine fluid based MIT that will be run from 10 to 14 days almost simultaneously on Wells 3 and 4. As you know the wells have packers set within 30 ft. of the casing shoes. The operator requested to know whether a C-103 was required for each well, but there is no removal of infrastructure from the well to perform the test, just injection of brine to fill and pressure up on the cavern.

Paul will send the procedure with references to other states where this LPG Storage Cavern MIT has been performed to establish the leakage rate and OCD will be interested in an surface pressure reading, temperature, etc. throughout the test, as well as the leakage.

Paul will copy you on the procedure. I request your input on the procedure once we receive it. Paul would like to run the test during the week of November 25th.

Thank you.

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AUSTIN
3345 Bee Cave Road
Suite 201
Austin, Texas 78746 USA
Tel 512.732.9812
Fax 512.732.9816



HOUSTON
1001 McKinney
Suite 1445
Houston, Texas 77002 USA
Tel 713.559.9950
Fax 713.559.9959

July 9, 2008

Mr. Carl J. Chavez
Oil Conservation District
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Western Refining Company, LP – Well No. 2 (30-025-35955) Form C-103

Dear Mr. Chavez:

Lonquist Field Service, LLC (LFS) has recently completed the workover and testing of Well No. 2, (API No. 30-025-35955), on March 13, 2008. This transmittal letter includes the following attachments:

- Form C-103
 - (3) Copies to be submitted to District I Office
- Digital Vertilog– 9 5/8” Casing
- Wellbore Schematic

A sonar survey was completed on Well No. 2 and the results are summarized as follows:

- Cavern TD – 1939’
- Cavern Roof – 1672’
- Cavern Volume – 144,442.9 bbls
- Cavern Cross Sections are attached to this letter

The complete sonar survey will be submitted to NMOCD under separate cover.

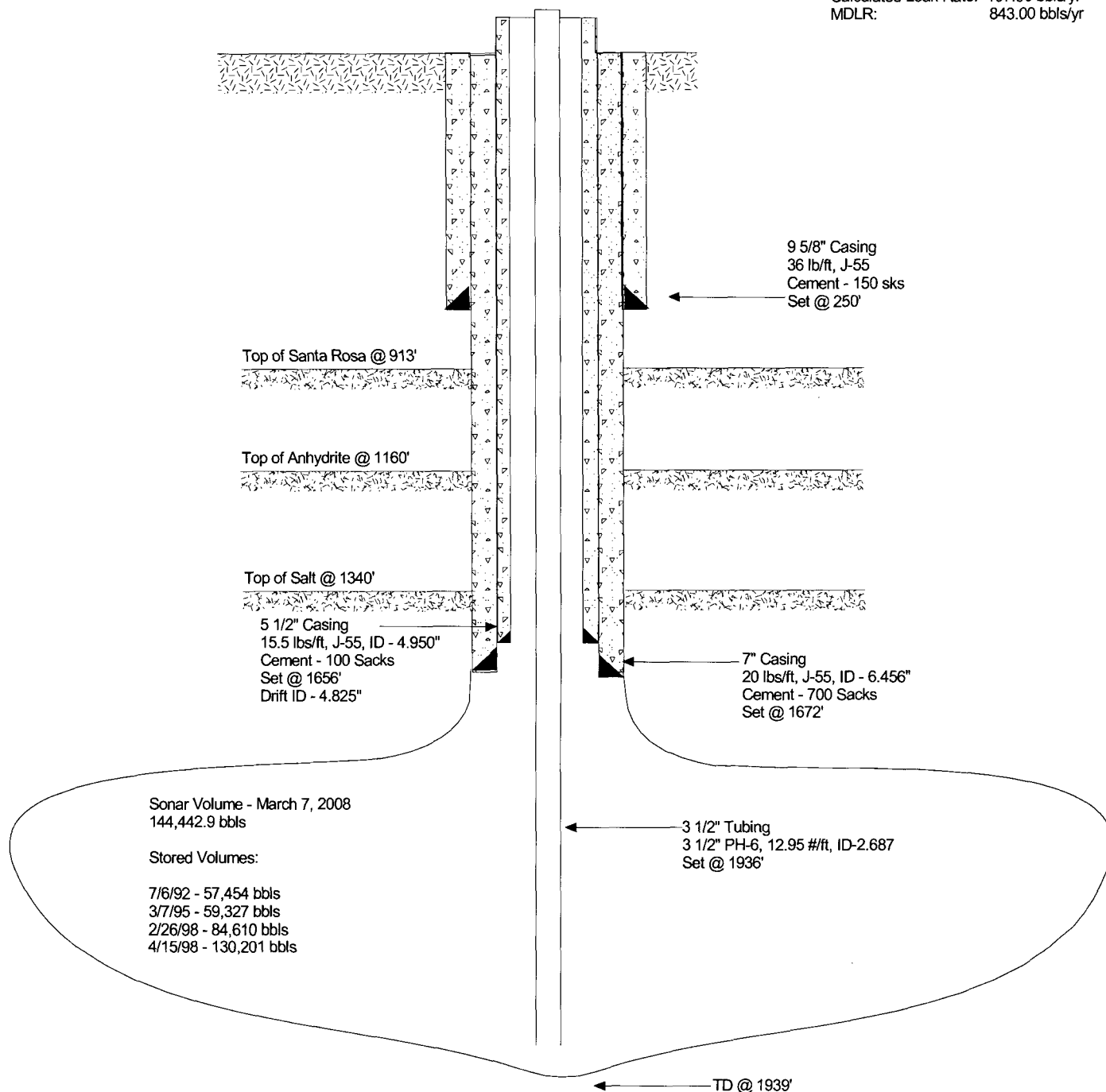
The Mechanical Integrity Test was also completed using the Nitrogen-Brine Interface Test Method. The test results are summarized as follows:

- Test Gradient – 0.77 psi/ft
- Minimum Detectable Leak Rate – 843.00 bbls/year
- Calculated Leak Rate – 107.50 bbls/year
- MIT Executive Summary is attached to this letter

The complete MIT report was submitted under separate cover.

Well Information
Well Name: State LPG Well No. 2
API #: 30-025-35955
County: Lea

MIT Results
Annulus Pressure: 1201.19 psi
Tubing Pressure: 401.80 psi
Test Gradient: 0.77 psi/ft
Calculated Leak Rate: 107.50 bbls/yr
MDLR: 843.00 bbls/yr



LONQUIST

FIELD SERVICE

Well No. 2 - 2008 Well Schematic

JAL Storage Facility

PROJECT NUMBER:
F141

DRAWN:
TJB

REVIEWED:
ETB

APPROVAL:
NONE

SCALE:
NONE

DATE:
APRIL 2008

DRAWING NUMBER:

AUSTIN

3345 Bee Cave Road
Suite 201
Austin, Texas 78746 USA
Tel 512.732.9812
Fax 512.732.9816

LONQUIST

www.lonquistfieldservice.com

HOUSTON

1001 McKinney
Suite 1445
Houston, Texas 77002 USA
Tel 713.559.9950
Fax 713.559.9959

Please feel free to contact me (832-216-0785) or via email (eric@lonquist.com) if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Busch". The signature is stylized with a large, looped "E" and a cursive "B".

Eric Busch
Operations Manager

Cc: NM OCD – District I, Hobbs, NM – 3 Copies of C-103 only
Ron Weaver – Western Refining, El Paso, TX
Ken Parker – Western Refining, Jal, NM
LFS – Project Files

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. 30-025-35955
1. Type of Well: Oil Well ☐ Gas Well ☒ Other LPG STORAGE WELL		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, NM 88252		7. Lease Name or Unit Agreement Name 31055
4. Well Location Unit Letter <u>M</u> : <u>100</u> feet from the <u>SOUTH</u> line and <u>280</u> feet from the <u>NORTH</u> line Section <u>32</u> Township <u>23S</u> Range <u>37E</u> NMPM County <u>LEA</u>		8. Well Number <u>2</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3313' - KB 3303' - GL		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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☒		OTHER: ☐	

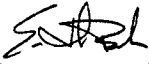
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The following activities are planned for Well No. 2:

- 02/27/2008
 - Pull 2 7/8" Tubing
 - 1,943.08' - 2 7/8" Tubing, 6.50 #/ft, J-55
 - Complete casing and cement bond logs
 - See attached logs
- 03/02/2008
 - Cut wellhead bolts from A & B Sections
- 03/03/2008
 - Cut old wellhead off 9 5/8", 7" & 5 1/2"
 - Stub new 5 1/2", 7" & 9 5/8" casing to surface
 - Weld in place and dye penetrate test all welds
- 03/07/2008
 - Run 3 1/2" PH-6 Drill Pipe
 - Drill pipe down to 1980' TD
 - Wireline out of pipe @ 1810'
- 03/09/2008
 - Run additional PH-6
 - Run Sonar to 1936' (TD)
 - Total Cavern Volume @1936' - 144,442.9 bbls
- 03/10-13/2008
 - Complete Nitrogen-Brine MIT
 - Test Results
 - Pressure Gradient - 0.77 psi/ft
 - Minimum Detectable Leak Rate (MDLR) - 843.00 bbls/year
 - Calculated Leak Rate (CLR) - 107.50 bbls/year

- Test successful – MIT Report has been submitted to the NMOCD
- Final Sonar Survey have been submitted under separated cover
- Attached Schematic includes all pertinent data

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 Operations Manager – Lonquist Field Service DATE 07/10/2008

Type or print name Eric Busch

E-mail address: eric@lonquist.com

Telephone No. 713.559.9953

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Western Refining Company, Well No 2 - MIT Report

Executive Summary

Lonquist Field Service, LLC. (LFS) was contracted to conduct a Mechanical Integrity Test on Well No. 2 for Western Refining Company, LP (Western Refining) from March 10-14, 2008. A nitrogen-interface test method was used for this test. Nitrogen was injected into Well No. 2 on March 10th, 2008 and there was a stabilization period until March 11, 2008. The well was then shut in for a period of 77.5 hours to conduct the actual test and concluded on March 14th, 2008. After observing the change in the nitrogen interface depth the total volume change was calculated. Using an average temperature and pressure across the effected well depth and by extrapolating the time an annual net loss could be calculated. This calculation yielded a loss of 107.50 bbls of nitrogen per year and a Minimum Detectable Leak Rate (MDLR) 843.00 bbls/year. The well was tested to a test gradient of 0.77 psi/ft at the 7" casing shoe. Considering these results and the guidelines set forth by the New Mexico Oil Conservation Division, Well No. 2, at the time of this test, demonstrated the mechanical integrity required for LPG storage.

SONARWIRE, INC.

P.O. BOX 576
ABITA SPRINGS, LA 70420
Office: 985-893-9221
Toll Free: 888-211-6037
Fax: 985-893-4798
Email: sean@sonarwire.com

Survey conducted by: Sean McCool

RECEIVED
2008 JUL 14 PM 9 50

WESTERN REFINING
JAL, NM
WELL NO. 2
MARCH 7, 2008
SONAR THROUGH PIPE SURVEY

Survey from 1672 ft. to 1926 ft.
Sonar T.D. at 1935 ft.
7 inch cemented casing at 1672 ft.
3.5 inch tubing at 1920 ft.
Zero sonar tool at B.H.F.
Site personnel: Mr. Jerry Lindt
Lonquist

SONARWIRE INC.
Depth versus Volume

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1673	465.2	465.2	82.9	82.9
1674	441.5	906.7	78.6	161.5
1675	418.8	1325.5	74.6	236.1
1676	388.9	1714.4	69.3	305.3
1677	360.4	2074.8	64.2	369.5
1678	247.4	2322.2	44.1	413.6
1679	155.7	2477.9	27.7	441.3
1680	53.9	2531.8	9.6	450.9
1681	4.9	2536.8	0.9	451.8
1682	4.5	2541.2	0.8	452.6
1683	4.0	2545.2	0.7	453.3
1684	4.3	2549.5	0.8	454.1
1685	4.6	2554.1	0.8	454.9
1686	116.1	2670.2	20.7	475.6
1687	376.8	3047.0	67.1	542.7
1688	363.6	3410.7	64.8	607.5
1689	351.3	3762.0	62.6	670.0
1690	345.1	4107.1	61.5	731.5
1691	339.5	4446.5	60.5	792.0
1692	354.1	4800.6	63.1	855.0
1693	369.9	5170.5	65.9	920.9
1694	380.2	5550.7	67.7	988.6
1695	391.3	5942.0	69.7	1058.3
1696	387.3	6329.3	69.0	1127.3
1697	383.9	6713.2	68.4	1195.7
1698	411.2	7124.4	73.2	1268.9
1699	440.3	7564.8	78.4	1347.3
1700	421.5	7986.3	75.1	1422.4
1701	403.4	8389.6	71.8	1494.3
1702	391.9	8781.5	69.8	1564.0
1703	381.1	9162.6	67.9	1631.9
1704	373.9	9536.5	66.6	1698.5
1705	367.5	9904.0	65.5	1764.0
1706	395.9	10299.9	70.5	1834.5
1707	426.5	10726.4	76.0	1910.5
1708	442.4	11168.7	78.8	1989.2
1709	458.8	11627.6	81.7	2071.0
1710	460.2	12087.7	82.0	2152.9
1711	462.4	12550.1	82.4	2235.3
1712	451.3	13001.4	80.4	2315.6
1713	441.0	13442.4	78.6	2394.2
1714	437.7	13880.1	78.0	2472.2
1715	436.9	14317.0	77.8	2550.0
1716	130.0	14447.0	23.2	2573.1
1717	3.7	14450.7	0.7	2573.8
1718	4.3	14455.1	0.8	2574.6

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1719	5.1	14460.1	0.9	2575.5
1720	5.5	14465.6	1.0	2576.4
1721	6.0	14471.6	1.1	2577.5
1722	4.9	14476.5	0.9	2578.4
1723	4.0	14480.5	0.7	2579.1
1724	72.1	14552.6	12.8	2591.9
1725	224.7	14777.3	40.0	2632.0
1726	461.7	15239.0	82.2	2714.2
1727	783.1	16022.2	139.5	2853.7
1728	784.8	16807.0	139.8	2993.5
1729	786.6	17593.6	140.1	3133.6
1730	753.0	18346.7	134.1	3267.7
1731	720.6	19067.3	128.3	3396.0
1732	577.3	19644.6	102.8	3498.8
1733	450.6	20095.2	80.3	3579.1
1734	315.1	20410.3	56.1	3635.2
1735	205.3	20615.6	36.6	3671.8
1736	145.3	20760.9	25.9	3697.7
1737	97.0	20857.9	17.3	3715.0
1738	37.4	20895.3	6.7	3721.6
1739	6.1	20901.3	1.1	3722.7
1740	6.1	20907.4	1.1	3723.8
1741	6.1	20913.5	1.1	3724.9
1742	6.1	20919.6	1.1	3725.9
1743	6.1	20925.7	1.1	3727.0
1744	6.1	20931.9	1.1	3728.1
1745	6.2	20938.0	1.1	3729.2
1746	6.2	20944.2	1.1	3730.3
1747	6.2	20950.4	1.1	3731.4
1748	6.2	20956.7	1.1	3732.5
1749	6.3	20962.9	1.1	3733.7
1750	6.3	20969.2	1.1	3734.8
1751	6.3	20975.5	1.1	3735.9
1752	6.3	20981.9	1.1	3737.0
1753	6.4	20988.3	1.1	3738.2
1754	6.4	20994.7	1.1	3739.3
1755	341.4	21336.0	60.8	3800.1
1756	242.8	21578.8	43.2	3843.4
1757	161.6	21740.4	28.8	3872.1
1758	58.0	21798.4	10.3	3882.5
1759	6.4	21804.8	1.1	3883.6
1760	6.2	21811.0	1.1	3884.7
1761	6.0	21817.1	1.1	3885.8
1762	5.9	21823.0	1.0	3886.8
1763	626.1	22449.0	111.5	3998.3
1764	897.8	23346.8	159.9	4158.3
1765	1219.7	24566.5	217.2	4375.5
1766	1225.1	25791.7	218.2	4593.7

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1767	1230.8	27022.5	219.2	4812.9
1768	1247.0	28269.5	222.1	5035.0
1769	1263.5	29533.1	225.0	5260.1
1770	1262.4	30795.5	224.9	5484.9
1771	1261.5	32057.0	224.7	5709.6
1772	1263.3	33320.2	225.0	5934.6
1773	1265.3	34585.6	225.4	6160.0
1774	1215.2	35800.8	216.4	6376.4
1775	1167.7	36968.5	208.0	6584.4
1776	1097.1	38065.6	195.4	6779.8
1777	1029.6	39095.2	183.4	6963.2
1778	886.9	39982.2	158.0	7121.1
1779	757.4	40739.5	134.9	7256.0
1780	709.7	41449.2	126.4	7382.4
1781	674.3	42123.5	120.1	7502.5
1782	923.8	43047.3	164.5	7667.1
1783	1226.1	44273.4	218.4	7885.4
1784	1256.6	45530.1	223.8	8109.3
1785	1288.3	46818.4	229.5	8338.7
1786	1296.8	48115.1	231.0	8569.7
1787	1305.5	49420.6	232.5	8802.2
1788	1368.6	50789.3	243.8	9046.0
1789	1433.8	52223.1	255.4	9301.3
1790	1516.8	53739.9	270.2	9571.5
1791	1602.9	55342.8	285.5	9857.0
1792	1647.0	56989.8	293.3	10150.3
1793	1692.1	58681.8	301.4	10451.7
1794	1691.9	60373.8	301.3	10753.0
1795	1692.4	62066.2	301.4	11054.5
1796	1674.7	63740.9	298.3	11352.7
1797	1658.0	65398.9	295.3	11648.0
1798	1664.4	67063.2	296.4	11944.5
1799	1671.2	68734.5	297.7	12242.1
1800	1671.6	70406.1	297.7	12539.9
1801	1672.5	72078.6	297.9	12837.8
1802	1662.7	73741.3	296.1	13133.9
1803	1653.6	75394.9	294.5	13428.4
1804	1573.3	76968.2	280.2	13708.6
1805	1499.3	78467.4	267.0	13975.7
1806	1342.5	79810.0	239.1	14214.8
1807	1198.4	81008.4	213.5	14428.2
1808	1347.6	82356.0	240.0	14668.2
1809	1506.4	83862.5	268.3	14936.5
1810	1468.6	85331.0	261.6	15198.1
1811	1432.3	86763.3	255.1	15453.2
1812	1369.0	88132.4	243.8	15697.1
1813	1308.7	89441.0	233.1	15930.1
1814	1207.3	90648.4	215.0	16145.2

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1815	1112.0	91760.4	198.1	16343.2
1816	964.7	92725.1	171.8	16515.1
1817	828.4	93553.5	147.5	16662.6
1818	950.2	94503.7	169.2	16831.8
1819	1087.7	95591.3	193.7	17025.5
1820	1354.1	96945.5	241.2	17266.7
1821	1659.6	98605.0	295.6	17562.3
1822	2021.9	100626.9	360.1	17922.4
1823	2422.1	103049.0	431.4	18353.8
1824	2419.4	105468.4	430.9	18784.7
1825	2417.1	107885.5	430.5	19215.2
1826	2362.2	110247.7	420.7	19636.0
1827	2308.5	112556.2	411.2	20047.1
1828	2357.5	114913.7	419.9	20467.0
1829	2411.7	117325.4	429.5	20896.6
1830	2373.3	119698.8	422.7	21319.3
1831	2345.4	122044.2	417.7	21737.0
1832	2511.3	124555.5	447.3	22184.3
1833	2693.3	127248.8	479.7	22664.0
1834	2436.9	129685.7	434.0	23098.0
1835	2201.9	131887.7	392.2	23490.2
1836	1516.8	133404.5	270.2	23760.4
1837	964.7	134369.2	171.8	23932.2
1838	800.1	135169.3	142.5	24074.7
1839	653.5	135822.8	116.4	24191.1
1840	199.7	136022.5	35.6	24226.7
1841	7.6	136030.1	1.4	24228.0
1842	8.5	136038.7	1.5	24229.5
1843	2054.4	138093.1	365.9	24595.4
1844	3844.7	141937.8	684.8	25280.2
1845	4068.9	146006.6	724.7	26004.9
1846	4244.2	150250.9	755.9	26760.8
1847	4387.1	154638.0	781.4	27542.2
1848	4518.4	159156.4	804.8	28347.0
1849	4594.5	163750.9	818.3	29165.3
1850	4671.9	168422.7	832.1	29997.4
1851	4705.3	173128.0	838.0	30835.4
1852	4759.0	177886.9	847.6	31683.0
1853	4794.8	182681.8	854.0	32537.0
1854	4811.8	187493.6	857.0	33394.1
1855	4851.7	192345.3	864.1	34258.2
1856	4915.7	197261.0	875.5	35133.7
1857	5024.1	202285.0	894.8	36028.5
1858	5102.1	207387.1	908.7	36937.2
1859	5170.3	212557.4	920.9	37858.1
1860	5196.6	217754.0	925.6	38783.7
1861	5222.1	222976.1	930.1	39713.8
1862	5238.1	228214.2	932.9	40646.7

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1863	5269.2	233483.4	938.5	41585.2
1864	5322.0	238805.5	947.9	42533.1
1865	5351.8	244157.2	953.2	43486.3
1866	5335.4	249492.6	950.3	44436.6
1867	5255.3	254747.9	936.0	45372.6
1868	5189.6	259937.5	924.3	46296.9
1869	5116.6	265054.1	911.3	47208.2
1870	5037.2	270091.3	897.2	48105.3
1871	4960.8	275052.1	883.6	48988.9
1872	4894.1	279946.2	871.7	49860.6
1873	4869.2	284815.4	867.2	50727.8
1874	4842.1	289657.5	862.4	51590.2
1875	4864.4	294521.9	866.4	52456.6
1876	4805.7	299327.6	855.9	53312.6
1877	4800.8	304128.3	855.1	54167.6
1878	4860.5	308988.8	865.7	55033.3
1879	4846.8	313835.7	863.3	55896.6
1880	4773.9	318609.6	850.3	56746.8
1881	4720.3	323329.9	840.7	57587.5
1882	4722.6	328052.5	841.1	58428.7
1883	5554.5	333607.1	989.3	59418.0
1884	8106.2	341713.3	1443.8	60861.8
1885	9575.9	351289.2	1705.5	62567.3
1886	9863.3	361152.5	1756.7	64324.0
1887	10167.3	371319.8	1810.9	66134.9
1888	10461.0	381780.7	1863.2	67998.1
1889	10704.0	392484.8	1906.5	69904.6
1890	10787.7	403272.4	1921.4	71825.9
1891	10839.8	414112.2	1930.6	73756.6
1892	10977.6	425089.8	1955.2	75711.8
1893	11003.8	436093.6	1959.9	77671.6
1894	11041.8	447135.4	1966.6	79638.3
1895	11134.6	458270.0	1983.1	81621.4
1896	11157.6	469427.6	1987.2	83608.7
1897	11192.8	480620.3	1993.5	85602.2
1898	11313.8	491934.1	2015.1	87617.3
1899	11266.2	503200.3	2006.6	89623.9
1900	11260.0	514460.3	2005.5	91629.3
1901	11294.5	525754.7	2011.6	93641.0
1902	11387.7	537142.4	2028.2	95669.2
1903	11304.0	548446.5	2013.3	97682.5
1904	11408.7	559855.2	2032.0	99714.5
1905	11559.0	571414.2	2058.8	101773.3
1906	11548.4	582962.6	2056.9	103830.1
1907	11649.3	594611.9	2074.8	105905.0
1908	11839.9	606451.8	2108.8	108013.7
1909	11971.2	618423.0	2132.2	110145.9
1910	11839.2	630262.3	2108.7	112254.6

WESTERN REFINING
STORAGE WELL NO. 2

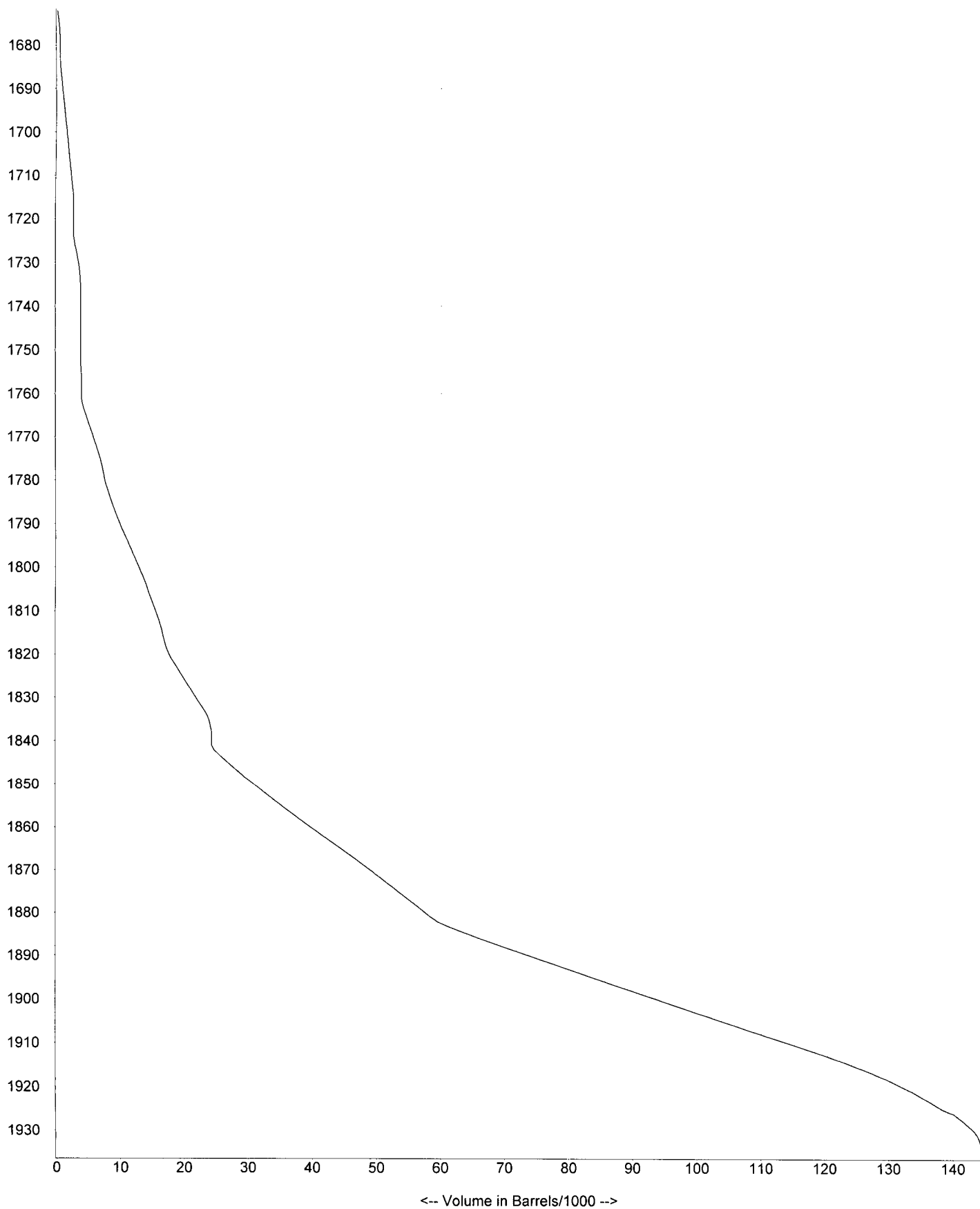
JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1911	11788.2	642050.5	2099.6	114354.2
1912	11566.9	653617.4	2060.1	116414.3
1913	11361.9	664979.3	2023.6	118437.9
1914	11247.4	676226.6	2003.2	120441.2
1915	11018.1	687244.8	1962.4	122403.6
1916	10314.6	697559.4	1837.1	124240.7
1917	9979.5	707538.9	1777.4	126018.1
1918	9647.7	717186.6	1718.3	127736.5
1919	9031.8	726218.4	1608.6	129345.1
1920	8283.0	734501.3	1475.3	130820.4
1921	7835.9	742337.2	1395.6	132216.0
1922	7824.8	750162.0	1393.7	133609.6
1923	6795.4	756957.5	1210.3	134820.0
1924	6669.1	763626.6	1187.8	136007.8
1925	6928.9	770555.5	1234.1	137241.9
1926	5551.9	776107.4	988.8	138230.7
1927	10420.0	786527.4	1855.9	140086.6
1928	4688.5	791215.9	835.1	140921.7
1929	5165.4	796381.3	920.0	141841.7
1930	4106.3	800487.7	731.4	142573.0
1931	4007.4	804495.1	713.7	143286.8
1932	2679.0	807174.0	477.1	143763.9
1933	1638.2	808812.3	291.8	144055.7
1934	1165.5	809977.8	207.6	144263.3
1935	752.0	810729.8	133.9	144397.2
1936	256.7	810986.5	45.7	144442.9

WESTERN REFINING
STORAGE WELL NO. 2

SONARWIRE, INC
Depth -vs- Volume

JAL, NM
Fri, Mar 07, 2008



SONARWIRE INC.
Max Radius & Depth vs Bearing

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

This table lists the maximum radius (in feet) found at each of the 128 bearings at which soundings were taken. Also listed after each radius, (separated by ':'), is the depth (in feet) at which that maximum radius was found. Bearings are shown, (in degrees), for each row of four 'radius : depth' pairs.

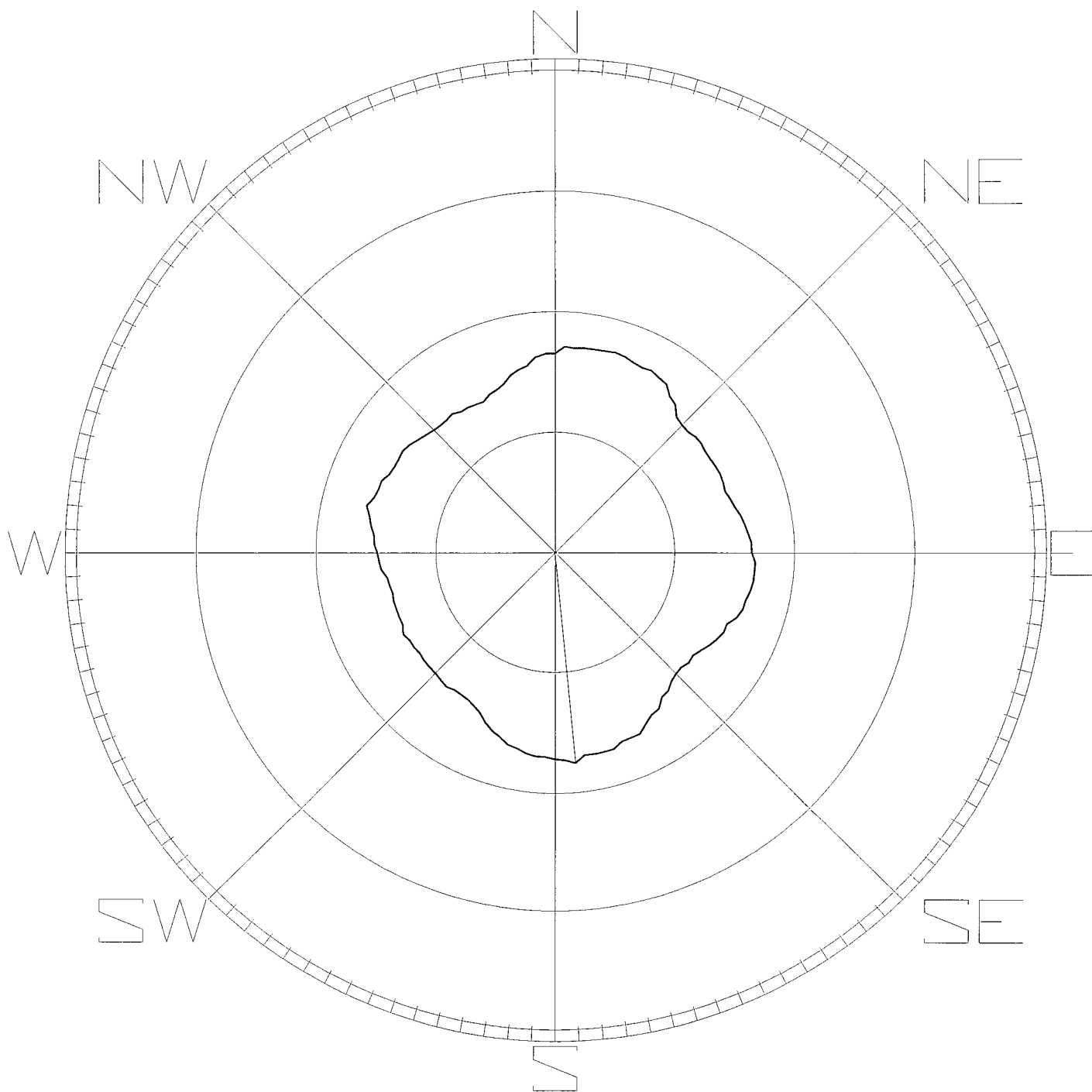
Bearing	+0.0	+2.8	+5.6	+8.4
0.0	66.1: 1908	68.6: 1908	68.2: 1908	68.6: 1908
11.3	68.7: 1904	69.0: 1908	69.4: 1899	69.1: 1904
22.5	68.3: 1904	67.9: 1891	68.5: 1895	67.7: 1887
33.8	67.1: 1887	64.4: 1889	63.4: 1894	60.6: 1891
45.0	60.0: 1891	59.9: 1907	60.7: 1906	60.9: 1910
56.3	60.5: 1910	60.5: 1910	60.9: 1910	61.1: 1906
67.5	60.9: 1910	60.4: 1913	61.3: 1910	62.0: 1913
78.8	63.3: 1913	64.1: 1912	64.9: 1912	65.7: 1912
90.0	65.7: 1908	67.0: 1908	67.0: 1908	67.0: 1912
101.3	66.6: 1912	65.7: 1912	65.6: 1916	64.5: 1912
112.5	62.2: 1916	62.4: 1913	61.4: 1916	60.2: 1916
123.8	58.7: 1914	57.5: 1907	57.9: 1907	57.0: 1901
135.0	57.2: 1911	57.9: 1907	59.7: 1910	60.1: 1910
146.3	62.5: 1909	62.9: 1909	64.5: 1909	66.6: 1908
157.5	66.6: 1908	66.6: 1908	68.2: 1908	68.2: 1908
168.8	68.2: 1908	67.9: 1891	70.2: 1890	69.1: 1891
180.0	68.6: 1908	67.9: 1896	67.9: 1896	67.4: 1892
191.3	66.2: 1897	65.7: 1893	64.0: 1893	62.9: 1894
202.5	61.2: 1895	58.9: 1896	57.8: 1897	57.0: 1901
213.8	56.8: 1911	56.8: 1911	57.6: 1911	57.2: 1911
225.0	56.8: 1911	56.8: 1911	56.8: 1911	56.4: 1911
236.3	56.8: 1911	56.8: 1911	57.6: 1911	56.4: 1911
247.5	56.3: 1908	56.3: 1908	56.4: 1911	56.0: 1911
258.8	56.4: 1911	56.8: 1911	58.4: 1910	58.9: 1892
270.0	59.5: 1892	60.6: 1891	60.9: 1910	62.2: 1890
281.3	63.3: 1889	64.9: 1889	63.3: 1909	62.8: 1890
292.5	62.8: 1890	61.3: 1910	60.9: 1910	60.9: 1910
303.8	61.3: 1910	60.5: 1910	59.2: 1910	58.4: 1910
315.0	57.6: 1911	57.2: 1911	57.1: 1907	57.5: 1907
326.3	56.4: 1901	56.4: 1911	55.9: 1908	55.6: 1911
337.5	57.0: 1901	57.5: 1907	58.7: 1907	60.9: 1910
348.8	62.1: 1909	62.9: 1909	65.3: 1908	66.1: 1908

Between 1672 and 1936 foot depths, maximum radius
was 70.2 feet at bearing 174.4 at 1890.0 foot depth

WESTERN REFINING
JAL, NM
STORAGE WELL NO. 2

SONARWIRE, INC
Max Range vs Bearing

Max Radius= 70.2 ft @ 174.4 deg
Depth= 1890 ft. Fri, Mar 07, 2008



1 inch = 50.0 ft.

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160

SONARWIRE INC.
Average Wall Range versus Depth (ft.)

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Avg Rad ft.	Min Rad ft @ Az	Max Rad ft @ Az	Min Dia ft @ Az	Max Dia ft @ Az
1672	13	11 @ 45.0	14 @ 126.6	24 @ 45.0-225.1	25 @ 101.3-281.3
1674	12	11 @ 2.9	13 @ 109.7	23 @ 5.7-185.7	24 @ 92.9-272.9
1676	11	10 @ 292.6	12 @ 132.2	21 @ 146.3-326.3	23 @ 132.2-312.2
1678	8	7 @ 289.7	8 @ 78.8	14 @ 109.7-289.7	15 @ 67.5-247.6
1680	2	1 @ 78.8	2 @ 0.1	3 @ 67.5-247.6	3 @ 0.1-180.1
1682	2	1 @ 59.1	2 @ 213.8	3 @ 59.1-239.1	3 @ 33.8-213.8
1684	2	2 @ 334.7	2 @ 286.9	3 @ 8.5-188.5	3 @ 106.9-286.9
1686	11	11 @ 247.6	12 @ 135.1	22 @ 166.0-346.0	23 @ 81.6-261.6
1688	11	11 @ 28.2	12 @ 106.9	21 @ 70.4-250.4	23 @ 106.9-286.9
1690	11	10 @ 258.8	13 @ 104.1	20 @ 47.9-227.9	23 @ 104.1-284.1
1692	11	10 @ 272.9	13 @ 104.1	21 @ 25.4-205.4	23 @ 81.6-261.6
1694	12	10 @ 241.9	13 @ 90.0	21 @ 22.6-202.6	24 @ 0.1-180.1
1696	12	10 @ 211.0	14 @ 81.6	21 @ 157.6-337.6	24 @ 81.6-261.6
1698	12	10 @ 272.9	14 @ 87.2	23 @ 140.7-320.7	25 @ 129.4-309.4
1700	12	10 @ 267.2	14 @ 95.7	22 @ 149.1-329.1	24 @ 95.7-275.7
1702	11	10 @ 284.1	14 @ 87.2	20 @ 140.7-320.7	24 @ 87.2-267.2
1704	11	10 @ 270.1	14 @ 84.4	20 @ 33.8-213.8	24 @ 171.6-351.6
1706	12	10 @ 267.2	14 @ 76.0	23 @ 174.4-354.4	25 @ 135.1-315.1
1708	12	11 @ 298.2	15 @ 64.7	23 @ 31.0-211.0	25 @ 64.7-244.7
1710	13	10 @ 247.6	15 @ 109.7	22 @ 22.6-202.6	26 @ 135.1-315.1
1712	12	10 @ 261.6	15 @ 56.3	22 @ 2.9-182.9	25 @ 45.0-225.1
1714	12	10 @ 272.9	15 @ 33.8	21 @ 28.2-208.2	25 @ 33.8-213.8
1716	2	1 @ 258.8	2 @ 101.3	2 @ 78.8-258.8	3 @ 33.8-213.8
1718	2	2 @ 286.9	2 @ 135.1	3 @ 8.5-188.5	3 @ 53.5-233.5
1720	2	2 @ 11.3	2 @ 194.1	3 @ 126.6-306.6	3 @ 14.1-194.1
1722	2	2 @ 0.1	2 @ 208.2	3 @ 73.2-253.2	3 @ 28.2-208.2
1726	16	16 @ 196.9	17 @ 253.2	31 @ 16.9-196.9	32 @ 61.9-241.9
1728	16	16 @ 5.7	17 @ 211.0	32 @ 22.6-202.6	33 @ 31.0-211.0
1730	16	15 @ 112.6	17 @ 31.0	30 @ 90.0-270.1	32 @ 25.4-205.4
1732	12	11 @ 106.9	14 @ 47.9	22 @ 106.9-286.9	27 @ 50.7-230.7
1734	9	8 @ 334.7	10 @ 78.8	15 @ 166.0-346.0	18 @ 78.8-258.8
1736	6	5 @ 191.3	8 @ 118.2	10 @ 11.3-191.3	13 @ 106.9-286.9
1738	2	1 @ 132.2	2 @ 301.0	3 @ 14.1-194.1	4 @ 106.9-286.9
1753	2	2 @ 109.7	2 @ 47.9	3 @ 109.7-289.7	4 @ 47.9-227.9
1754	11	10 @ 281.3	12 @ 16.9	20 @ 90.0-270.1	23 @ 31.0-211.0
1756	8	6 @ 334.7	9 @ 73.2	14 @ 19.7-199.7	16 @ 73.2-253.2
1758	2	2 @ 205.4	2 @ 53.5	3 @ 25.4-205.4	4 @ 61.9-241.9
1761	2	2 @ 278.5	2 @ 180.1	3 @ 98.5-278.5	3 @ 0.1-180.1
1762	15	14 @ 337.6	17 @ 11.3	28 @ 53.5-233.5	31 @ 11.3-191.3
1764	20	20 @ 22.6	21 @ 129.4	39 @ 87.2-267.2	41 @ 129.4-309.4
1766	20	19 @ 185.7	21 @ 33.8	39 @ 174.4-354.4	41 @ 33.8-213.8
1768	21	20 @ 194.1	21 @ 59.1	40 @ 28.2-208.2	41 @ 123.8-303.8
1770	21	20 @ 194.1	21 @ 284.1	40 @ 28.2-208.2	41 @ 132.2-312.2
1772	21	20 @ 76.0	21 @ 33.8	40 @ 76.0-256.0	42 @ 19.7-199.7
1774	20	18 @ 241.9	22 @ 59.1	37 @ 154.7-334.7	40 @ 112.6-292.6
1776	19	18 @ 180.1	21 @ 67.5	35 @ 168.8-348.8	39 @ 67.5-247.6
1778	16	15 @ 121.0	19 @ 14.1	30 @ 126.6-306.6	35 @ 8.5-188.5

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Avg Rad ft.	Min Rad ft @ Az	Max Rad ft @ Az	Min Dia ft @ Az	Max Dia ft @ Az
1780	15	12 @ 281.3	19 @ 53.5	27 @ 25.4-205.4	31 @ 56.3-236.3
1782	20	19 @ 14.1	22 @ 73.2	39 @ 168.8-348.8	42 @ 78.8-258.8
1784	21	20 @ 267.2	22 @ 47.9	41 @ 123.8-303.8	42 @ 53.5-233.5
1786	21	20 @ 222.2	22 @ 33.8	40 @ 126.6-306.6	42 @ 33.8-213.8
1788	22	21 @ 109.7	23 @ 14.1	42 @ 112.6-292.6	44 @ 14.1-194.1
1790	23	22 @ 216.6	24 @ 292.6	44 @ 36.6-216.6	47 @ 112.6-292.6
1792	24	23 @ 258.8	24 @ 317.9	46 @ 149.1-329.1	47 @ 0.1-180.1
1794	24	23 @ 11.3	25 @ 59.1	45 @ 16.9-196.9	48 @ 106.9-286.9
1796	23	23 @ 225.1	24 @ 8.5	45 @ 118.2-298.2	47 @ 8.5-188.5
1798	24	23 @ 233.5	24 @ 298.2	46 @ 14.1-194.1	48 @ 98.5-278.5
1800	24	23 @ 213.8	24 @ 11.3	46 @ 33.8-213.8	48 @ 14.1-194.1
1802	23	22 @ 244.7	26 @ 16.9	45 @ 171.6-351.6	48 @ 11.3-191.3
1804	22	20 @ 216.6	29 @ 8.5	42 @ 45.0-225.1	51 @ 8.5-188.5
1806	20	19 @ 225.1	21 @ 31.0	38 @ 90.0-270.1	41 @ 76.0-256.0
1808	22	20 @ 267.2	24 @ 101.3	42 @ 56.3-236.3	46 @ 101.3-281.3
1810	22	20 @ 301.0	24 @ 70.4	42 @ 121.0-301.0	45 @ 70.4-250.4
1812	21	18 @ 312.2	23 @ 174.4	38 @ 132.2-312.2	43 @ 168.8-348.8
1814	19	18 @ 233.5	20 @ 104.1	36 @ 53.5-233.5	40 @ 104.1-284.1
1816	17	16 @ 275.7	18 @ 211.0	32 @ 92.9-272.9	35 @ 160.4-340.4
1818	19	16 @ 236.3	22 @ 2.9	35 @ 137.9-317.9	39 @ 2.9-182.9
1820	23	21 @ 137.9	26 @ 28.2	45 @ 70.4-250.4	48 @ 31.0-211.0
1822	28	27 @ 151.9	30 @ 28.2	55 @ 70.4-250.4	57 @ 11.3-191.3
1824	28	27 @ 191.3	29 @ 14.1	54 @ 151.9-331.9	57 @ 31.0-211.0
1826	28	26 @ 180.1	29 @ 0.1	53 @ 140.7-320.7	56 @ 61.9-241.9
1828	28	26 @ 199.7	31 @ 8.5	53 @ 50.7-230.7	58 @ 126.6-306.6
1830	28	25 @ 261.6	34 @ 5.7	49 @ 81.6-261.6	64 @ 2.9-182.9
1832	30	29 @ 87.2	31 @ 213.8	58 @ 92.9-272.9	60 @ 174.4-354.4
1834	27	22 @ 0.1	30 @ 188.5	49 @ 174.4-354.4	57 @ 87.2-267.2
1836	18	16 @ 250.4	20 @ 81.6	34 @ 61.9-241.9	37 @ 81.6-261.6
1838	15	14 @ 0.1	18 @ 112.6	27 @ 25.4-205.4	33 @ 112.6-292.6
1840	2	2 @ 73.2	2 @ 306.6	3 @ 56.3-236.3	4 @ 129.4-309.4
1842	2	2 @ 222.2	3 @ 309.4	3 @ 84.4-264.4	4 @ 135.1-315.1
1840	85	82 @ 140.7	86 @ 233.5	165 @ 140.7-320.7	172 @ 59.1-239.1
1839	84	82 @ 140.7	88 @ 219.4	165 @ 28.2-208.2	172 @ 47.9-227.9
1839	85	83 @ 135.1	88 @ 292.6	165 @ 135.1-315.1	175 @ 115.4-295.4
1839	86	84 @ 0.1	88 @ 258.8	168 @ 0.1-180.1	174 @ 78.8-258.8
1837	87	85 @ 11.3	92 @ 346.0	169 @ 84.4-264.4	176 @ 163.2-343.2
1835	88	86 @ 25.4	94 @ 236.3	172 @ 25.4-205.4	180 @ 56.3-236.3
1834	89	87 @ 11.3	98 @ 101.3	175 @ 56.3-236.3	186 @ 101.3-281.3
1837	90	87 @ 247.6	96 @ 104.1	178 @ 59.1-239.1	185 @ 104.1-284.1
1840	89	84 @ 241.9	94 @ 98.5	172 @ 2.9-182.9	181 @ 42.2-222.2
1842	86	79 @ 258.8	94 @ 98.5	162 @ 61.9-241.9	177 @ 154.7-334.7
1844	78	48 @ 194.1	95 @ 106.9	127 @ 14.1-194.1	173 @ 106.9-286.9
1854	70	50 @ 253.2	86 @ 329.1	125 @ 70.4-250.4	164 @ 149.1-329.1
1857	67	52 @ 272.9	86 @ 331.9	126 @ 67.5-247.6	164 @ 151.9-331.9
1863	63	53 @ 261.6	82 @ 101.3	110 @ 137.9-317.9	137 @ 106.9-286.9
1870	62	57 @ 258.8	76 @ 92.9	114 @ 64.7-244.7	136 @ 36.6-216.6
1873	63	59 @ 247.6	75 @ 101.3	120 @ 67.5-247.6	136 @ 90.0-270.1
1881	65	63 @ 261.6	68 @ 166.0	127 @ 81.6-261.6	133 @ 31.0-211.0
1882	68	64 @ 323.5	71 @ 182.9	131 @ 70.4-250.4	140 @ 19.7-199.7

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Avg Rad ft.	Min Rad ft @ Az	Max Rad ft @ Az	Min Dia ft @ Az	Max Dia ft @ Az
1882	69	64 @ 320.7	75 @ 28.2	130 @ 140.7-320.7	146 @ 98.5-278.5
1884	69	62 @ 323.5	78 @ 33.8	127 @ 137.9-317.9	150 @ 14.1-194.1
1887	69	62 @ 326.3	79 @ 182.9	125 @ 140.7-320.7	154 @ 2.9-182.9
1890	68	61 @ 256.0	79 @ 174.4	126 @ 76.0-256.0	152 @ 8.5-188.5
1895	66	60 @ 227.9	75 @ 28.2	123 @ 140.7-320.7	147 @ 11.3-191.3
1899	64	59 @ 326.3	75 @ 16.9	121 @ 135.1-315.1	142 @ 16.9-196.9
1904	64	58 @ 222.2	73 @ 19.7	120 @ 132.2-312.2	140 @ 0.1-180.1
1908	64	58 @ 331.9	72 @ 14.1	119 @ 132.2-312.2	141 @ 2.9-182.9
1912	61	56 @ 202.6	69 @ 98.5	113 @ 50.7-230.7	130 @ 98.5-278.5
1916	55	50 @ 253.2	67 @ 101.3	101 @ 50.7-230.7	121 @ 104.1-284.1
1920	49	42 @ 47.9	59 @ 98.5	89 @ 45.0-225.1	108 @ 98.5-278.5
1923	44	38 @ 45.0	54 @ 95.7	81 @ 45.0-225.1	98 @ 95.7-275.7
1926	41	36 @ 42.2	51 @ 90.0	77 @ 42.2-222.2	91 @ 84.4-264.4
1928	37	34 @ 286.9	42 @ 5.7	71 @ 56.3-236.3	79 @ 2.9-182.9
1930	34	30 @ 303.8	40 @ 98.5	64 @ 36.6-216.6	72 @ 168.8-348.8
1931	30	16 @ 213.8	35 @ 95.7	45 @ 28.2-208.2	66 @ 149.1-329.1
1933	25	14 @ 199.7	33 @ 87.2	39 @ 25.4-205.4	60 @ 87.2-267.2
1934	20	14 @ 219.4	31 @ 104.1	29 @ 16.9-196.9	56 @ 87.2-267.2
1935	18	12 @ 213.8	27 @ 95.7	25 @ 33.8-213.8	49 @ 90.0-270.1
1935	16	12 @ 323.5	23 @ 112.6	24 @ 14.1-194.1	41 @ 98.5-278.5
1936	14	11 @ 351.6	20 @ 104.1	23 @ 0.1-180.1	35 @ 106.9-286.9
1936	13	10 @ 337.6	17 @ 123.8	21 @ 11.3-191.3	31 @ 101.3-281.3
1935	12	10 @ 343.2	15 @ 112.6	20 @ 39.4-219.4	26 @ 112.6-292.6
1935	11	9 @ 301.0	13 @ 16.9	18 @ 121.0-301.0	24 @ 8.5-188.5
1934	10	9 @ 292.6	11 @ 33.8	18 @ 112.6-292.6	21 @ 163.2-343.2
1934	9	9 @ 295.4	10 @ 188.5	18 @ 56.3-236.3	19 @ 0.1-180.1
1935	9	8 @ 11.3	10 @ 129.4	18 @ 45.0-225.1	19 @ 81.6-261.6
1936	9	8 @ 42.2	10 @ 118.2	17 @ 42.2-222.2	19 @ 106.9-286.9
1936	10	10 @ 222.2	11 @ 126.6	19 @ 87.2-267.2	20 @ 137.9-317.9

SONARWIRE INC.
Wall Ranges versus Depth (ft.)

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Tilt	N	NE	E	SE	S	SW	W	NW
1672	0	11.8	10.8	12.6	12.9	12.3	12.4	11.8	11.8
1674	0	11.0	11.4	12.0	12.6	11.3	11.2	11.5	11.0
1676	0	10.8	10.4	11.0	12.0	10.6	10.7	10.3	10.3
1678	0	7.3	7.3	7.3	7.3	7.0	6.7	6.4	6.8
1680	0	1.5	1.2	1.0	1.2	1.3	1.4	1.4	1.4
1682	0	1.2	1.2	1.2	1.2	1.0	1.3	1.2	1.2
1684	0	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
1686	0	10.9	11.3	11.7	12.0	11.2	10.7	10.3	10.3
1688	0	10.8	10.6	10.4	10.2	10.5	10.7	10.4	10.6
1690	0	10.5	10.3	10.4	10.4	10.5	9.6	9.8	10.0
1692	0	10.1	10.8	12.4	12.1	11.4	10.0	9.6	9.6
1694	0	12.5	10.8	12.8	12.5	10.9	10.4	9.5	10.6
1696	0	11.0	11.3	13.1	12.6	10.7	10.2	10.1	10.3
1698	0	12.1	12.9	13.8	12.6	11.2	10.8	10.0	10.6
1700	0	11.4	12.9	13.2	12.4	10.6	10.1	9.7	10.5
1702	0	11.2	12.0	13.5	10.3	11.1	9.9	9.8	9.5
1704	0	11.4	10.4	12.8	10.8	10.8	10.1	9.5	10.2
1706	0	10.8	12.2	13.7	13.3	11.5	10.4	9.6	11.2
1708	0	11.2	12.9	13.7	13.8	12.5	10.6	10.4	10.6
1710	0	11.3	14.5	14.3	14.5	11.0	10.2	9.9	10.9
1712	0	11.1	13.9	13.7	12.9	10.9	10.8	9.9	10.5
1714	0	9.8	13.8	13.3	13.7	13.6	10.3	9.1	9.1
1716	0	1.2	1.2	1.2	1.2	1.0	0.9	0.9	1.0
1718	0	1.2	1.3	1.4	1.6	1.3	1.4	1.2	1.0
1720	0	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4
1722	0	1.0	1.2	1.0	1.0	1.2	1.3	1.0	1.0
1726	0	15.6	15.6	15.7	15.7	15.8	15.7	15.9	15.4
1728	0	15.6	15.7	15.6	15.6	16.2	15.9	16.0	15.9
1730	0	15.2	15.1	14.4	14.6	15.2	15.1	15.0	15.7
1732	0	12.2	13.3	12.9	11.2	12.4	11.5	12.4	12.2
1734	0	7.1	7.7	9.5	8.7	7.7	8.7	7.8	7.7
1736	0	4.9	6.5	6.9	6.2	4.4	4.4	4.8	4.9
1738	0	1.5	1.5	1.2	1.0	1.2	1.3	1.6	1.8
1753	0	1.5	1.6	1.3	1.4	1.4	1.5	1.6	1.5
1754	0	9.8	11.2	9.9	11.0	11.0	10.1	9.5	9.1
1756	0	6.2	6.9	7.7	8.4	7.8	7.3	6.7	6.5
1758	0	1.5	1.6	1.5	1.4	1.4	1.3	1.4	1.5
1761	0	1.3	1.3	1.3	1.5	1.5	1.5	1.3	1.3
1762	0	15.4	13.5	14.1	14.3	14.0	14.3	13.4	13.7
1764	0	19.7	19.8	19.2	20.3	19.4	19.8	19.2	19.8
1766	0	19.5	20.1	19.5	19.8	19.4	19.8	19.7	19.7
1768	0	20.0	20.1	20.1	20.3	19.8	19.8	19.8	20.4
1770	0	20.0	20.4	20.1	20.4	19.8	19.8	20.1	20.1
1772	0	20.0	20.6	19.8	19.8	20.1	19.8	19.8	20.1
1774	0	18.7	20.6	20.2	19.5	19.5	18.5	18.7	19.9
1776	0	18.3	20.4	18.5	18.3	17.0	17.4	17.4	17.4
1778	0	15.7	16.8	14.7	14.3	16.0	15.1	15.7	15.3

WESTERN REFINING
STORAGE WELL NO. 2

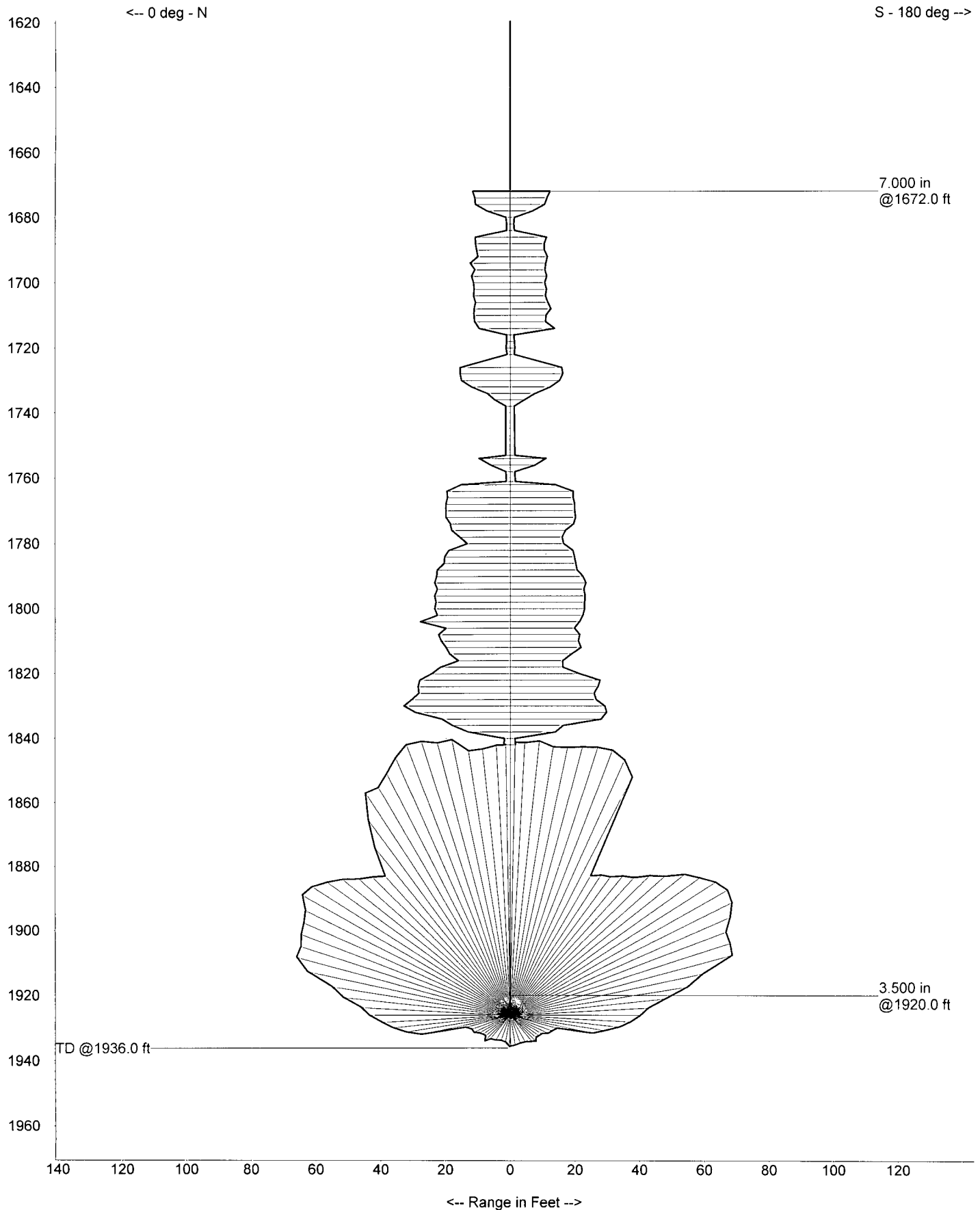
JAL, NM
Fri, Mar 07, 2008

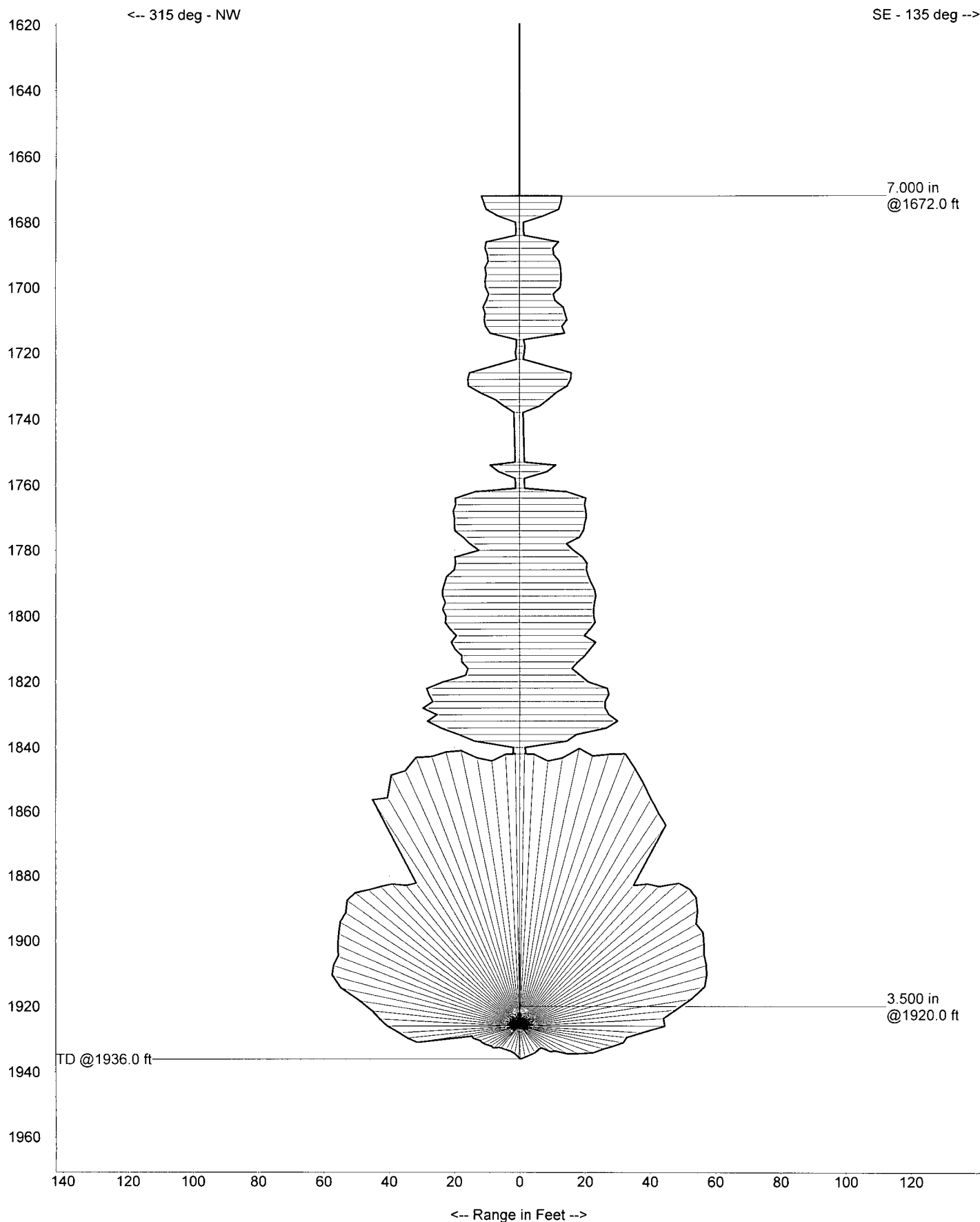
Depth	Tilt	N	NE	E	SE	S	SW	W	NW
1780	0	13.4	17.0	17.2	16.4	16.4	11.8	11.5	12.6
1782	0	19.1	19.7	19.7	19.1	19.3	19.3	20.4	20.0
1784	0	20.4	21.0	20.6	20.6	19.7	19.9	19.5	19.7
1786	0	20.6	20.6	20.4	20.4	20.2	19.7	20.4	20.2
1788	0	22.7	22.0	21.0	21.0	20.6	21.0	20.8	22.5
1790	0	22.9	22.9	22.9	21.8	22.5	21.6	22.3	23.1
1792	0	23.5	23.3	23.5	22.9	23.3	23.5	22.7	23.7
1794	0	22.7	23.5	23.3	23.3	22.7	22.7	23.5	23.7
1796	0	23.5	23.5	23.3	22.9	23.1	22.3	23.1	22.9
1798	0	23.1	23.1	22.9	22.7	22.9	22.9	23.5	23.7
1800	0	23.5	23.1	23.7	22.7	22.9	23.1	23.1	22.7
1802	0	22.7	22.9	22.9	23.1	22.5	22.9	22.5	22.9
1804	0	27.9	21.2	20.8	21.6	21.4	20.2	20.6	21.4
1806	0	19.9	19.7	19.3	19.7	19.7	18.5	18.5	19.5
1808	0	22.3	21.4	22.3	23.3	21.4	22.1	20.2	21.0
1810	0	21.4	21.2	22.5	21.6	21.0	20.6	21.2	20.0
1812	0	20.0	21.8	22.1	20.0	21.8	19.5	20.0	17.9
1814	0	18.9	18.9	19.1	17.8	18.9	18.3	19.1	17.8
1816	0	16.2	16.4	15.8	16.0	16.2	16.4	15.5	16.0
1818	0	21.6	21.6	20.6	18.5	16.2	16.0	16.0	16.6
1820	0	24.4	23.9	22.5	21.0	21.4	22.1	24.4	23.7
1822	0	28.1	27.5	27.9	26.9	27.7	28.1	28.1	28.6
1824	0	28.6	27.3	27.7	27.3	27.1	27.3	27.9	27.9
1826	0	28.4	28.1	27.3	26.2	25.9	26.5	26.5	26.8
1828	0	30.6	27.6	26.5	26.2	26.5	25.7	27.6	29.8
1830	0	33.0	25.9	24.6	27.3	29.2	27.3	24.3	25.4
1832	0	29.5	29.2	28.4	30.0	29.8	30.3	28.9	28.4
1834	0	21.3	28.1	27.3	26.8	28.1	26.5	28.9	24.3
1836	0	18.0	18.3	18.8	17.5	16.4	17.2	16.9	18.8
1838	0	13.1	13.4	16.9	14.5	13.9	15.0	14.5	13.9
1840	0	1.9	1.4	1.3	1.6	1.4	1.5	1.6	2.0
1842	0	2.0	1.9	1.5	1.9	1.6	1.5	1.6	2.1
1926	89	84.0	84.9	84.9	84.0	84.9	84.0	85.7	84.0
1926	87	84.0	82.3	84.0	84.0	84.9	86.5	84.0	84.0
1926	84	83.2	83.2	85.7	82.3	85.7	84.9	85.7	82.3
1926	81	83.2	83.2	85.7	83.8	84.4	86.3	87.0	83.8
1926	78	87.6	85.1	84.4	87.6	85.1	86.3	84.4	87.0
1926	75	87.6	85.7	86.3	86.3	86.3	86.3	87.0	87.6
1926	72	89.5	87.0	87.6	88.2	87.6	88.2	87.6	87.6
1926	69	90.1	88.9	89.5	90.1	88.2	89.5	88.2	88.9
1926	66	87.6	87.6	92.0	87.0	87.0	91.4	84.4	86.3
1926	63	84.4	82.6	92.0	83.8	83.2	92.6	80.0	87.0
1926	60	81.9	77.5	81.3	80.7	49.8	73.1	76.9	81.3
1926	57	82.6	75.0	80.7	78.1	51.7	73.7	50.4	83.2
1926	54	75.0	68.1	76.9	76.3	52.9	63.0	51.7	54.2
1926	51	66.8	69.9	78.8	55.4	55.4	63.0	54.8	55.4
1926	48	58.0	69.9	73.1	58.6	57.3	64.3	57.3	58.6
1926	45	60.5	66.2	73.7	60.5	61.1	59.9	61.8	60.5
1926	42	63.0	63.6	63.6	65.5	64.3	66.2	63.6	62.4
1926	39	66.8	68.1	68.7	66.8	69.3	65.5	66.8	64.9

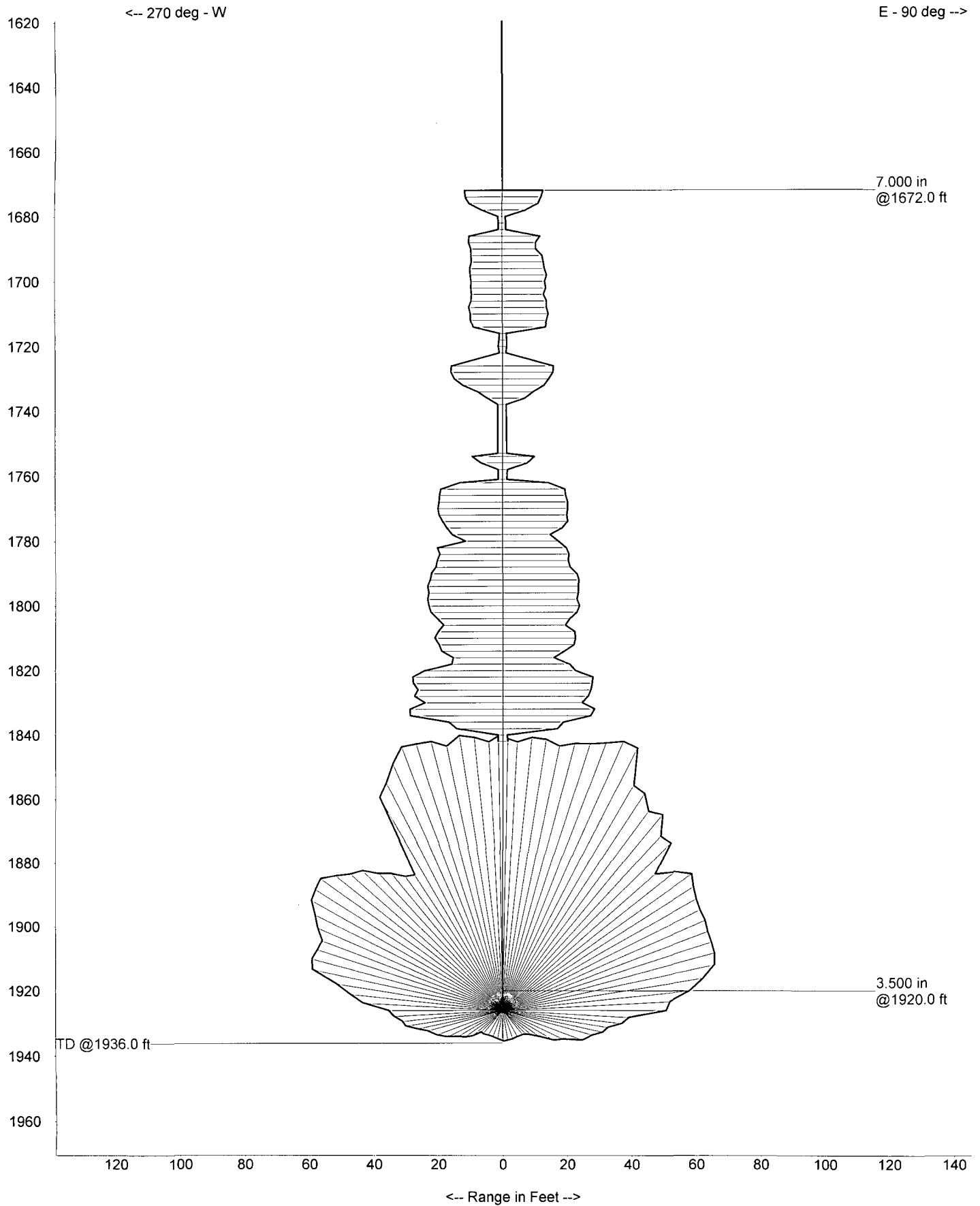
WESTERN REFINING
STORAGE WELL NO. 2

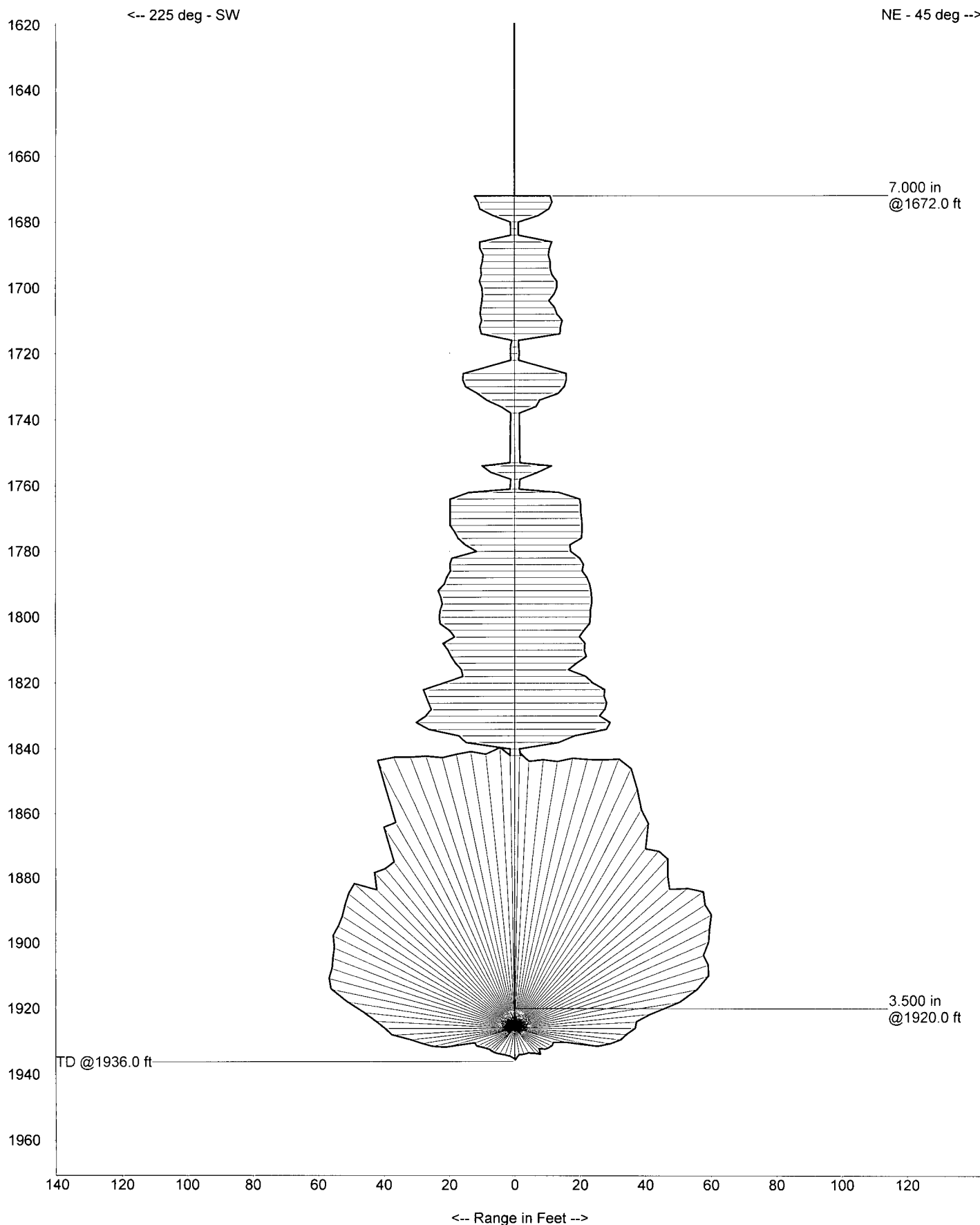
JAL, NM
Fri, Mar 07, 2008

Depth	Tilt	N	NE	E	SE	S	SW	W	NW
1926	36	69.9	71.2	72.5	66.8	72.5	64.3	69.9	65.5
1926	33	73.1	69.3	70.6	64.9	75.6	63.0	69.3	63.6
1926	30	74.4	69.3	69.3	62.4	77.5	62.4	68.7	63.6
1926	27	71.2	66.8	68.7	63.0	76.9	62.4	65.5	62.4
1926	24	69.9	64.9	68.7	61.8	74.4	60.5	63.0	61.1
1926	21	69.3	61.8	68.1	60.5	71.4	59.7	60.1	59.7
1926	18	68.1	62.2	68.1	60.1	71.4	58.8	60.5	60.1
1926	15	68.5	61.3	68.1	59.2	71.0	58.8	61.3	59.7
1926	12	64.3	57.1	67.2	58.0	60.9	57.5	60.5	56.3
1926	9	55.9	51.3	63.0	53.4	55.5	52.1	52.5	50.0
1926	6	52.1	42.0	58.4	48.3	48.3	46.6	47.9	45.8
1926	3	46.2	37.4	52.1	44.1	42.9	42.9	43.7	43.3
1926	0	43.7	37.0	50.8	44.5	40.3	39.9	35.7	40.8
1926	- 3	39.9	34.4	39.5	37.8	37.4	37.8	34.0	37.4
1926	- 6	36.5	32.8	37.4	33.2	34.0	32.3	31.5	34.9
1926	- 9	32.8	29.8	33.2	32.3	29.8	29.0	30.7	31.9
1926	-12	28.1	26.0	31.9	29.4	26.0	26.0	27.3	15.1
1926	-15	14.3	16.8	29.0	26.9	15.1	22.3	24.4	14.7
1926	-20	12.6	12.6	26.5	23.9	13.9	13.0	21.8	13.0
1926	-25	12.4	12.6	20.8	20.0	13.0	12.8	19.1	12.4
1926	-30	10.9	12.0	18.3	17.0	11.3	11.5	16.0	11.5
1926	-35	10.3	11.1	14.1	13.2	10.9	10.7	14.3	10.7
1926	-40	9.9	9.7	11.8	12.2	10.5	10.1	12.2	10.5
1926	-45	11.1	11.1	10.3	9.5	11.3	9.9	9.5	9.2
1926	-50	9.5	10.1	9.7	9.2	10.5	9.7	9.5	8.8
1926	-60	8.8	8.6	9.2	9.5	9.5	9.0	8.8	8.4
1926	-70	8.2	8.4	9.2	9.5	9.0	8.6	8.6	8.2
1926	-80	8.4	8.2	9.2	9.7	9.2	8.6	8.8	8.6
1926	-89	9.7	9.7	9.5	10.1	9.5	9.2	9.2	9.7





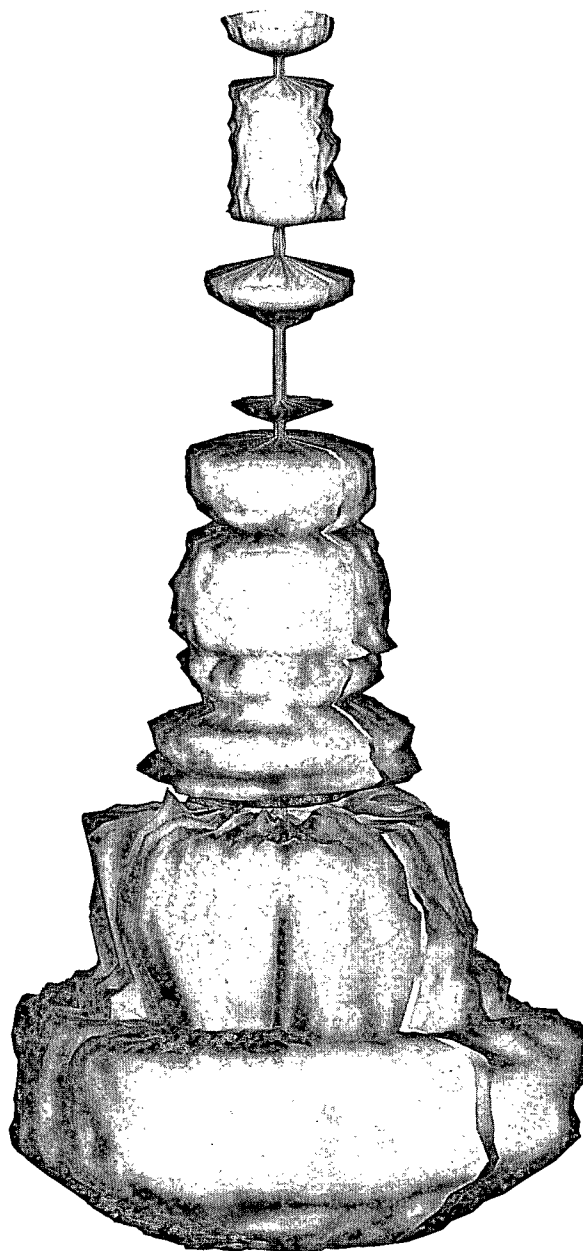




WESTERN REFINING
JAL, NM
WELL NO. 2
FRI, MAR 7, 2008

3D SHADE PLOT

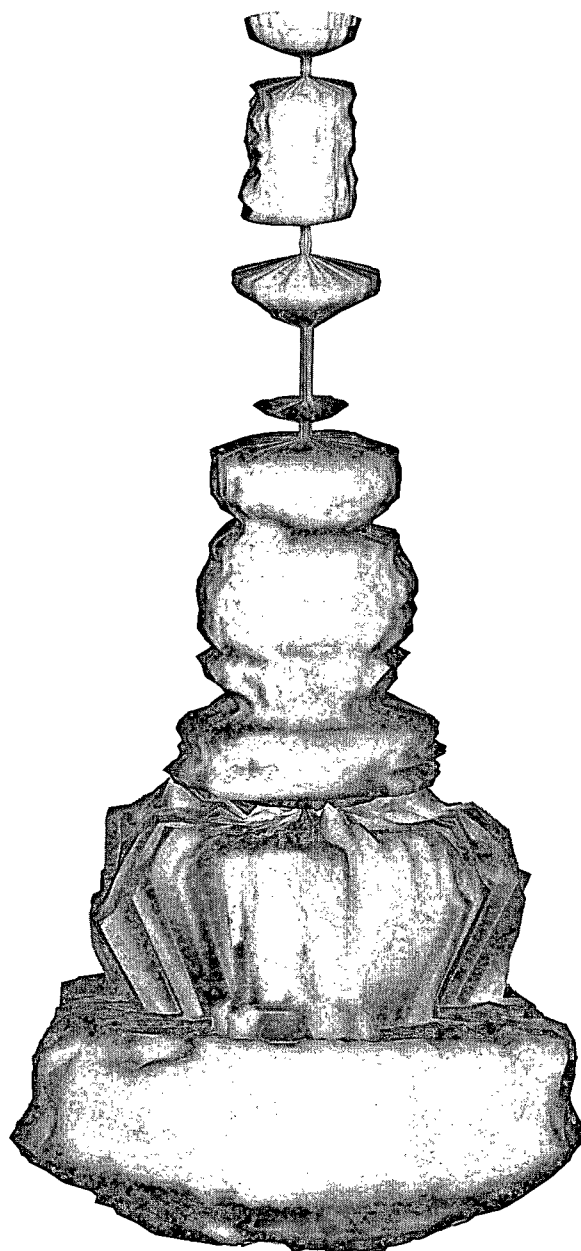
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AXIS TILT: -10 DEGS



WESTERN REFINING
JAL, NM
WELL NO. 2
FRI, MAR 7, 2008

3D SHADE PLOT

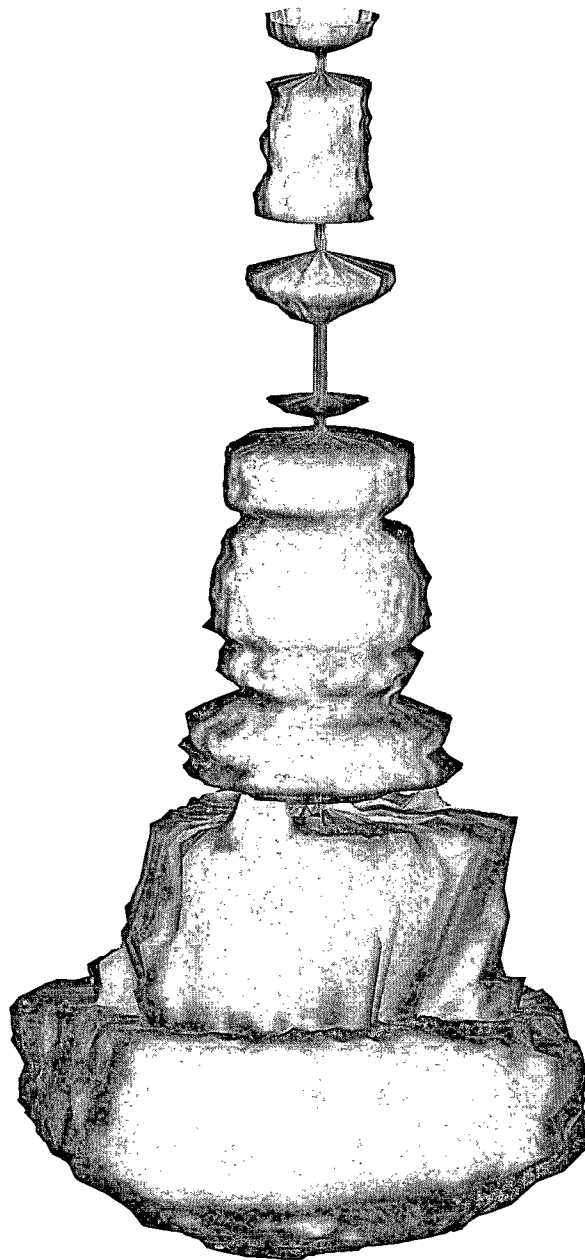
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WESTERN REFINING
JAL, NM
WELL NO. 2
FRI, MAR 7, 2008

3D SHADE PLOT

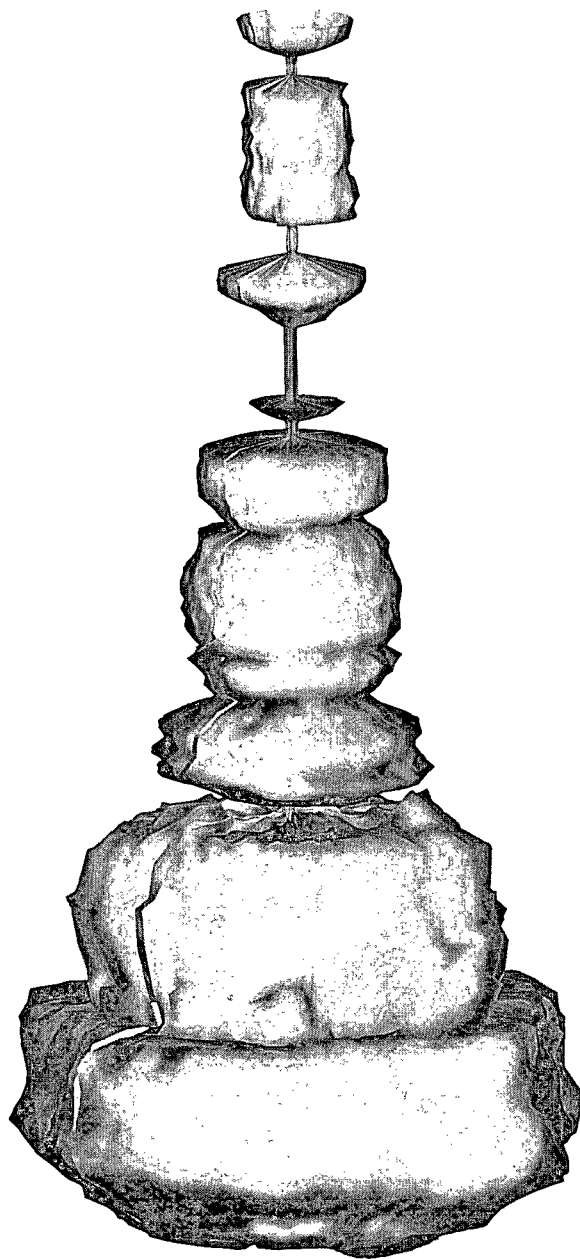
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WESTERN REFINING
JAL, NM
WELL NO. 2
FRI, MAR 7, 2008

3D SHADE PLOT

VIEWING AZIMUTH: 315
AXIS TILT: -10 DEGS



SONARWIRE INC.
Wall Ranges versus Depth (ft.)

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

DEPTH:	1672	TILT:	0	RANGE:	24.9	VOS:	6002		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.8	11.7	11.6	11.4	11.4	11.3	11.2	11.6	
22.5	11.9	12.4	12.3	12.1	12.0	11.7	11.2	10.9	
45.0	10.8	10.8	11.0	11.4	11.8	11.8	11.7	11.7	
67.5	11.6	12.0	12.1	12.2	12.2	12.3	12.4	12.5	
90.0	12.6	12.6	12.7	12.8	12.9	12.9	13.0	13.1	
112.5	13.1	13.0	12.9	13.0	13.1	13.2	13.1	13.1	
135.0	12.9	12.8	12.7	12.8	12.7	12.8	12.8	12.9	
157.5	12.8	12.9	12.8	12.7	12.6	12.6	12.5	12.5	
180.0	12.3	12.3	12.2	12.1	12.2	12.4	12.5	12.6	
202.5	12.6	12.6	12.5	12.6	12.6	12.6	12.5	12.5	
225.0	12.4	12.5	12.5	12.5	12.4	12.3	12.2	12.2	
247.5	12.1	12.1	12.1	12.0	12.0	11.9	11.9	11.8	
270.0	11.8	12.0	12.0	12.0	12.1	12.0	12.0	11.9	
292.5	11.9	11.9	11.7	11.4	11.4	11.6	11.7	11.8	
315.0	11.8	11.8	11.9	11.9	11.9	11.8	11.7	11.7	
337.5	11.6	11.6	11.6	11.7	11.7	11.7	11.8	11.9	

DEPTH:	1674	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.0	10.9	10.9	10.9	11.0	11.1	11.1	11.3	
22.5	11.4	11.4	11.4	11.3	11.3	11.3	11.4	11.3	
45.0	11.4	11.5	11.6	11.7	11.7	11.7	11.9	11.9	
67.5	12.0	12.0	12.0	11.9	11.9	12.1	12.0	12.0	
90.0	12.0	12.1	12.3	12.3	12.3	12.4	12.5	12.6	
112.5	12.6	12.6	12.6	12.4	12.4	12.5	12.6	12.6	
135.0	12.6	12.5	12.5	12.5	12.4	12.3	12.3	12.2	
157.5	12.1	12.0	11.9	11.6	11.5	11.5	11.4	11.4	
180.0	11.3	11.2	11.1	11.1	11.0	11.0	11.0	11.2	
202.5	11.2	11.3	11.2	11.1	11.2	11.1	11.1	11.2	
225.0	11.2	11.2	11.2	11.2	11.3	11.3	11.3	11.3	
247.5	11.4	11.4	11.2	11.1	11.1	11.0	11.0	11.1	
270.0	11.5	11.7	11.5	11.4	11.3	11.3	11.3	11.2	
292.5	11.2	11.2	11.2	11.1	11.0	11.0	10.9	10.9	
315.0	11.0	11.1	11.1	11.2	11.2	11.2	11.2	11.3	
337.5	11.2	11.0	11.0	11.1	11.2	11.2	11.2	11.1	

DEPTH: 1676	TILT: 0		RANGE: 24.9		VOS: 6005			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0 10.8	10.7	10.7	10.6	10.5	10.5	10.5	10.6	
22.5 10.7	10.7	10.7	10.6	10.6	10.6	10.4	10.3	
45.0 10.4	10.8	11.0	11.2	11.0	10.9	11.0	10.9	
67.5 10.9	10.9	11.0	10.9	11.0	11.3	11.3	11.1	
90.0 11.0	10.9	10.9	10.9	10.8	10.9	11.0	11.4	
112.5 11.6	11.6	11.5	11.3	11.3	11.6	11.7	12.0	
135.0 12.0	11.6	11.3	11.1	10.8	10.8	10.9	10.8	
157.5 10.8	10.8	10.9	11.0	11.0	10.9	10.8	10.6	
180.0 10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.6	
202.5 10.4	10.5	10.6	10.7	10.8	10.8	10.8	10.8	
225.0 10.7	10.6	10.6	10.5	10.4	10.4	10.5	10.4	
247.5 10.3	10.3	10.3	10.4	10.6	10.5	10.4	10.4	
270.0 10.3	10.3	10.3	10.3	10.3	10.3	10.2	10.1	
292.5 10.0	10.2	10.3	10.3	10.2	10.3	10.4	10.4	
315.0 10.3	10.2	10.2	10.1	10.0	10.0	10.0	10.1	
337.5 10.3	10.4	10.7	10.8	10.9	10.9	10.9	10.8	

DEPTH: 1678	TILT: 0		RANGE: 24.9		VOS: 6004			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0 7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.2	
22.5 7.2	7.3	7.2	7.3	7.3	7.4	7.4	7.4	
45.0 7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.3	
67.5 7.9	7.8	7.9	7.8	8.0	7.9	7.7	7.4	
90.0 7.3	7.3	7.2	7.2	7.1	7.1	7.1	7.0	
112.5 7.1	7.2	7.3	7.4	7.4	7.4	7.4	7.4	
135.0 7.3	7.3	7.2	7.1	7.0	6.8	6.9	6.9	
157.5 6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.0	
180.0 7.0	7.0	7.1	7.1	7.0	6.9	6.8	6.8	
202.5 6.7	6.8	6.8	6.8	6.8	6.7	6.6	6.6	
225.0 6.7	6.7	6.8	6.8	6.9	6.9	6.9	6.8	
247.5 6.7	6.6	6.4	6.4	6.4	6.4	6.5	6.4	
270.0 6.4	6.5	6.6	6.5	6.4	6.4	6.4	6.3	
292.5 6.3	6.5	6.5	6.6	6.6	6.6	6.6	6.7	
315.0 6.8	6.8	6.8	6.8	6.9	7.0	7.1	7.1	
337.5 7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	

DEPTH: 1680	TILT: 0		RANGE: 24.9		VOS: 6004			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0 1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	
22.5 1.4	1.3	1.2	1.3	1.2	1.2	1.2	1.2	
45.0 1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0	
67.5 1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	
90.0 1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
112.5 1.0	1.0	1.0	1.2	1.2	1.0	1.0	1.0	
135.0 1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
157.5 1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	
180.0 1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.3	
202.5 1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
225.0 1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
247.5 1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
270.0 1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
292.5 1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
315.0 1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
337.5 1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	

DEPTH:	1682	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
22.5	1.2	1.2	1.2	1.0	1.2	1.0	1.0	1.2	
45.0	1.2	1.0	1.2	1.0	1.0	0.9	1.0	1.0	
67.5	1.0	1.0	1.2	1.2	1.0	1.2	1.2	1.2	
90.0	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
112.5	1.0	1.0	1.0	1.2	1.2	1.2	1.0	1.2	
135.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.0	
157.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
180.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	
202.5	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.3	
225.0	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
247.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
270.0	1.2	1.0	1.2	1.2	1.2	1.2	1.0	1.2	
292.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	
315.0	1.2	1.2	1.3	1.3	1.2	1.3	1.3	1.2	
337.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	

DEPTH:	1684	TILT:	0	RANGE:	24.9	VOS:	6003		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	
22.5	1.2	1.3	1.2	1.3	1.2	1.2	1.2	1.2	
45.0	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2	
67.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
90.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	
112.5	1.3	1.2	1.3	1.2	1.3	1.3	1.2	1.2	
135.0	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	
157.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
180.0	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.2	
202.5	1.3	1.3	1.2	1.3	1.3	1.2	1.2	1.3	
225.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
247.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
270.0	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	
292.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
315.0	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.0	
337.5	1.0	1.2	1.0	1.2	1.2	1.2	1.2	1.2	

DEPTH:	1686	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.9	10.7	10.5	10.4	10.5	10.6	10.6	10.8	
22.5	10.8	10.9	10.8	10.8	10.7	10.7	10.7	10.9	
45.0	11.3	11.7	11.5	11.3	11.2	11.1	11.0	11.0	
67.5	11.1	11.2	11.2	11.4	11.4	11.9	11.9	11.9	
90.0	11.7	11.7	11.7	11.7	11.9	11.9	11.7	11.7	
112.5	11.5	11.5	11.5	11.4	11.7	11.9	11.9	11.9	
135.0	12.0	12.0	11.9	11.9	11.6	11.4	11.2	11.2	
157.5	11.1	10.9	10.8	10.7	10.8	10.7	10.8	11.0	
180.0	11.2	11.6	11.9	11.9	11.7	11.6	11.5	11.2	
202.5	11.1	11.0	10.8	10.7	10.7	10.7	10.7	10.8	
225.0	10.7	10.4	10.4	10.4	10.4	10.7	10.7	10.4	
247.5	10.2	10.3	10.4	10.3	10.5	10.6	10.4	10.3	
270.0	10.3	10.3	10.3	10.2	10.3	10.4	10.4	10.4	
292.5	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3	
315.0	10.3	10.3	10.3	10.3	10.4	10.5	10.6	10.6	
337.5	10.7	10.8	10.5	10.5	10.5	10.6	10.5	10.6	

DEPTH:	1688	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.8	10.9	10.8	10.8	10.7	10.6	10.6	10.5	
22.5	10.4	10.2	10.1	10.2	10.2	10.2	10.2	10.4	
45.0	10.6	10.7	10.7	10.7	10.6	10.5	10.4	10.4	
67.5	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.4	
90.0	10.4	10.4	10.5	10.9	11.0	11.3	11.4	11.3	
112.5	11.3	11.3	11.1	10.8	10.6	10.4	10.2	10.2	
135.0	10.2	10.1	10.1	10.3	10.3	10.3	10.4	10.4	
157.5	10.4	10.4	10.5	10.6	10.6	10.6	10.6	10.5	
180.0	10.5	10.5	10.6	10.6	10.6	10.5	10.4	10.4	
202.5	10.6	10.6	10.7	10.7	10.6	10.7	10.7	10.7	
225.0	10.7	10.7	10.8	10.7	10.7	10.5	10.5	10.4	
247.5	10.4	10.3	10.3	10.3	10.3	10.4	10.4	10.4	
270.0	10.4	10.4	10.5	10.5	10.6	10.7	10.9	11.0	
292.5	10.8	10.8	10.7	10.7	10.8	10.9	10.9	10.9	
315.0	10.6	10.5	10.6	10.7	10.7	10.7	10.7	10.7	
337.5	10.7	10.7	10.6	10.5	10.6	10.8	10.7	10.8	

DEPTH:	1690	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.5	10.5	10.7	10.8	10.9	10.9	10.8	10.7	
22.5	10.6	10.6	10.6	10.4	10.2	10.1	10.2	10.3	
45.0	10.3	10.3	10.3	10.3	10.3	10.1	10.1	10.2	
67.5	10.5	10.6	10.5	10.5	10.4	10.4	10.3	10.3	
90.0	10.4	10.4	11.9	12.2	12.3	12.5	12.4	12.2	
112.5	12.2	12.3	12.5	12.5	11.9	10.9	10.4	10.3	
135.0	10.4	11.1	11.0	10.8	10.9	10.8	10.5	10.4	
157.5	10.3	10.4	10.2	10.2	10.1	10.1	10.2	10.3	
180.0	10.5	10.5	10.6	10.5	10.1	10.1	10.2	10.3	
202.5	10.3	10.3	10.4	10.3	10.2	10.0	9.9	9.8	
225.0	9.6	9.5	9.6	9.8	9.8	9.8	9.8	9.8	
247.5	9.8	9.8	9.8	9.5	9.4	9.5	9.6	9.8	
270.0	9.8	10.0	10.1	10.1	10.1	10.1	10.1	10.0	
292.5	10.0	10.0	10.0	9.9	9.9	9.8	9.9	9.9	
315.0	10.0	10.1	10.1	10.2	10.3	10.0	9.9	9.8	
337.5	9.8	10.4	10.4	10.3	10.3	10.4	10.3	10.3	

DEPTH:	1692	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.1	10.1	10.1	10.0	10.0	10.0	10.0	10.2	
22.5	10.3	10.3	10.5	10.5	10.6	10.8	10.8	10.8	
45.0	10.8	10.9	10.9	11.2	11.3	11.4	11.7	11.9	
67.5	11.7	11.7	12.0	12.2	12.2	12.3	12.4	12.4	
90.0	12.4	12.4	12.4	12.4	12.4	12.5	12.4	12.3	
112.5	12.3	12.4	12.4	12.3	12.4	12.3	12.1	12.3	
135.0	12.1	12.1	12.2	12.3	12.2	12.2	12.3	12.2	
157.5	12.2	12.0	11.7	12.0	11.2	10.7	10.9	11.0	
180.0	11.4	11.6	11.4	11.2	11.1	11.1	10.9	10.6	
202.5	10.3	10.2	10.2	10.2	10.3	10.2	10.1	10.0	
225.0	10.0	10.0	10.1	10.2	10.2	10.2	10.3	10.3	
247.5	10.3	10.1	10.1	10.1	10.0	10.1	9.9	9.8	
270.0	9.6	9.4	9.5	9.5	9.5	9.5	9.8	9.8	
292.5	9.9	9.9	9.9	10.0	9.9	9.9	9.9	9.8	
315.0	9.6	9.6	9.8	10.0	9.9	9.8	9.8	9.8	
337.5	9.8	9.9	9.9	9.9	9.9	10.0	10.0	10.1	

DEPTH:	1694	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	12.5	12.5	12.2	11.7	11.6	11.1	10.9	10.7	
22.5	10.7	10.7	10.5	10.6	10.7	10.7	10.8	10.9	
45.0	10.8	10.7	10.6	10.8	11.3	11.7	12.1	12.2	
67.5	12.4	12.5	12.5	12.6	12.7	12.6	12.7	12.7	
90.0	12.8	12.7	12.7	12.6	12.7	12.8	12.7	12.7	
112.5	12.7	12.6	12.6	12.5	12.4	12.2	12.4	12.6	
135.0	12.5	12.6	12.2	12.0	11.9	12.0	12.1	12.1	
157.5	12.0	11.9	11.4	11.1	11.0	11.0	10.8	10.9	
180.0	10.9	10.9	10.7	10.6	10.5	10.5	10.5	10.3	
202.5	10.1	10.2	10.3	10.6	10.6	10.7	10.6	10.4	
225.0	10.4	10.7	11.1	11.1	10.9	10.2	9.4	9.4	
247.5	9.5	9.5	9.4	9.5	9.7	9.7	9.5	9.7	
270.0	9.5	9.5	9.5	9.7	9.7	9.9	10.0	10.2	
292.5	10.3	10.4	10.5	10.4	10.3	10.5	10.5	10.5	
315.0	10.6	10.8	10.8	10.7	10.7	10.6	10.6	10.5	
337.5	10.5	10.8	10.8	11.0	11.1	11.6	11.7	12.1	

DEPTH:	1696	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.0	11.2	11.1	11.1	11.2	11.2	11.2	11.2	
22.5	11.1	11.0	11.0	11.2	11.3	11.0	11.1	11.3	
45.0	11.3	11.3	11.3	11.1	11.3	11.3	11.2	11.2	
67.5	11.1	11.2	11.7	12.4	12.9	13.2	13.1	13.1	
90.0	13.1	13.1	13.0	12.9	12.8	12.9	12.8	12.6	
112.5	12.5	12.3	12.4	12.5	12.5	12.6	12.8	12.7	
135.0	12.6	12.6	12.5	12.2	11.6	10.9	10.7	10.6	
157.5	10.5	10.5	10.5	10.6	10.6	10.5	10.5	10.6	
180.0	10.7	10.8	10.8	10.8	10.8	10.7	10.5	10.4	
202.5	10.3	10.3	10.1	10.0	10.1	10.2	10.2	10.3	
225.0	10.2	10.2	10.3	10.3	10.4	10.4	10.4	10.4	
247.5	10.4	10.6	10.6	10.6	10.5	10.5	10.3	10.2	
270.0	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	
292.5	10.3	10.4	10.3	10.1	10.1	10.1	10.2	10.3	
315.0	10.3	10.4	10.4	10.3	10.4	10.4	10.3	10.2	
337.5	10.2	10.2	10.3	10.5	10.4	10.3	10.5	10.9	

DEPTH:	1698	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	12.1	12.2	12.3	12.6	12.9	12.9	12.9	12.8	
22.5	12.9	13.0	13.0	13.0	13.0	12.9	12.9	12.9	
45.0	12.9	13.1	13.1	13.2	13.2	13.4	13.5	13.4	
67.5	13.5	13.3	13.0	12.7	13.1	13.4	13.6	13.8	
90.0	13.8	13.6	13.5	13.6	13.5	13.4	13.4	13.2	
112.5	13.2	13.3	13.2	13.0	12.9	13.1	13.3	13.0	
135.0	12.6	12.4	12.3	12.3	12.4	12.5	12.5	12.5	
157.5	12.5	12.7	12.5	12.4	12.1	11.9	11.7	11.5	
180.0	11.2	11.0	10.9	10.7	10.7	10.7	10.6	10.5	
202.5	10.5	10.5	10.6	10.6	10.8	10.8	10.8	10.8	
225.0	10.8	10.7	10.7	10.7	10.5	10.4	10.2	10.3	
247.5	10.3	10.3	10.3	10.3	10.2	10.1	10.0	10.1	
270.0	10.0	9.9	9.9	9.9	10.0	10.2	10.4	10.6	
292.5	10.7	10.6	10.6	10.6	10.6	10.7	10.7	10.7	
315.0	10.6	10.6	10.5	10.5	10.7	10.8	10.9	10.9	
337.5	11.0	11.0	11.1	11.4	11.5	11.7	12.0	12.1	

DEPTH: 1700	TILT: 0		RANGE: 24.9		VOS: 6005			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.4	11.3	11.2	11.3	11.5	12.0	12.1	12.4
22.5	12.7	12.8	12.8	12.7	12.7	12.8	12.8	12.8
45.0	12.9	12.9	12.9	12.9	12.9	12.8	12.9	13.0
67.5	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.1
90.0	13.2	13.4	13.6	13.6	13.5	13.5	13.4	13.2
112.5	13.1	13.0	13.0	12.8	12.7	12.6	12.5	12.6
135.0	12.4	12.0	11.6	11.3	11.0	10.8	10.7	10.6
157.5	10.6	10.7	10.7	10.7	10.8	10.7	10.5	10.5
180.0	10.6	10.6	10.6	10.5	10.4	10.4	10.4	10.4
202.5	10.3	10.3	10.2	10.1	10.1	10.2	10.3	10.1
225.0	10.1	10.1	10.1	10.0	9.9	9.9	9.9	9.8
247.5	9.9	10.0	10.0	10.0	9.9	9.9	9.8	9.7
270.0	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8
292.5	9.8	10.0	10.0	10.1	10.2	10.3	10.3	10.4
315.0	10.5	10.6	10.4	10.4	10.3	10.4	10.5	10.6
337.5	10.7	10.7	10.6	10.6	10.7	10.9	11.3	11.4

DEPTH: 1702	TILT: 0		RANGE: 24.9		VOS: 6003			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.2	11.1	11.1	11.2	11.4	11.4	11.4	11.6
22.5	11.8	11.8	11.7	11.7	11.6	11.5	11.6	11.8
45.0	12.0	12.1	12.0	11.8	12.0	12.1	12.1	12.2
67.5	12.3	12.4	12.5	12.8	13.0	13.2	13.4	13.5
90.0	13.5	13.4	13.3	13.2	13.1	13.2	13.1	13.2
112.5	13.4	13.2	12.8	12.5	12.0	10.7	10.4	10.4
135.0	10.3	10.2	10.2	10.1	10.2	10.3	10.4	10.9
157.5	11.4	11.8	12.1	12.1	11.7	11.5	11.5	11.3
180.0	11.1	10.9	10.8	10.6	10.5	10.5	10.4	10.4
202.5	10.3	10.4	10.4	10.4	10.4	10.2	10.1	10.0
225.0	9.9	9.8	9.8	9.9	9.9	9.8	9.8	9.9
247.5	9.9	9.8	9.9	9.8	9.9	9.9	9.8	9.9
270.0	9.8	9.8	9.6	9.6	9.5	9.4	9.4	9.4
292.5	9.4	9.5	9.5	9.6	9.5	9.6	9.6	9.6
315.0	9.5	9.5	9.4	9.5	9.9	10.0	10.1	10.2
337.5	10.3	10.3	10.4	10.4	10.5	10.7	11.0	11.2

DEPTH: 1704	TILT: 0		RANGE: 24.9		VOS: 6005			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.4	11.2	10.9	10.8	10.9	10.8	10.8	10.4
22.5	10.3	10.3	10.3	10.1	10.0	10.1	10.2	10.2
45.0	10.4	10.4	10.5	10.9	11.1	11.4	11.7	12.1
67.5	12.4	12.6	12.6	12.6	12.7	12.9	13.1	13.0
90.0	12.8	12.6	12.5	12.3	12.3	12.4	12.5	12.6
112.5	12.4	12.2	12.2	12.3	12.3	12.0	11.4	10.9
135.0	10.8	10.5	10.3	10.3	10.1	10.1	10.1	10.0
157.5	10.0	10.0	10.4	10.8	11.3	11.6	11.4	11.1
180.0	10.8	10.6	10.5	10.7	10.7	10.5	10.4	10.3
202.5	10.2	10.3	10.1	10.0	9.9	10.0	10.1	10.1
225.0	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2
247.5	10.1	10.1	10.0	9.9	9.8	9.8	9.8	9.8
270.0	9.5	9.8	9.9	9.8	9.9	9.9	9.8	9.7
292.5	9.7	9.7	9.8	10.1	10.3	10.3	10.3	10.2
315.0	10.2	10.3	10.3	10.3	10.3	10.3	10.4	10.4
337.5	10.8	11.1	11.0	11.2	11.3	11.6	11.6	11.5

DEPTH:	1706	TILT:	0	RANGE:	24.9	VOS:	6003		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.8	10.9	10.8	11.0	11.1	11.4	11.5	11.5	
22.5	11.6	11.7	11.7	11.7	11.8	12.0	12.1	12.3	
45.0	12.2	12.1	12.1	12.2	12.5	12.6	12.9	13.2	
67.5	13.4	13.6	13.7	13.8	13.8	13.8	13.8	13.7	
90.0	13.7	13.7	13.8	13.7	13.8	13.8	13.7	13.6	
112.5	13.5	13.4	13.4	13.4	13.4	13.3	13.3	13.2	
135.0	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.7	
157.5	12.7	12.6	12.4	12.4	12.2	12.0	11.7	11.6	
180.0	11.5	11.4	11.4	11.3	11.3	11.3	11.3	11.3	
202.5	11.1	11.0	10.8	10.7	10.7	10.6	10.6	10.4	
225.0	10.4	10.3	10.3	10.2	10.0	9.8	9.9	9.9	
247.5	9.9	9.9	9.9	10.0	10.0	10.1	9.9	9.6	
270.0	9.6	9.8	10.1	10.3	10.3	10.2	10.3	10.1	
292.5	10.1	10.1	10.3	10.4	10.6	10.7	10.8	11.1	
315.0	11.2	11.0	11.0	10.8	10.4	10.2	10.1	10.2	
337.5	10.4	10.6	10.7	10.8	10.6	10.5	10.3	10.5	

DEPTH:	1708	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.2	11.1	11.4	11.7	11.7	11.6	11.5	11.3	
22.5	11.1	11.1	11.2	11.2	11.6	12.3	12.6	12.7	
45.0	12.9	13.1	13.4	13.7	14.1	14.2	14.3	14.4	
67.5	14.4	14.4	14.2	14.1	14.2	14.2	14.0	13.8	
90.0	13.7	13.7	13.6	13.6	13.7	13.8	14.1	14.2	
112.5	14.1	14.1	14.0	14.0	13.8	13.8	13.8	13.7	
135.0	13.8	14.0	14.0	14.0	14.0	14.1	14.0	13.6	
157.5	13.2	13.0	12.7	12.7	12.6	12.7	12.6	12.6	
180.0	12.5	12.4	12.3	12.2	12.1	12.0	11.7	11.6	
202.5	11.6	11.6	11.5	11.4	11.0	10.8	10.8	10.7	
225.0	10.6	10.6	10.5	10.4	10.5	10.5	10.5	10.6	
247.5	10.6	10.6	10.5	10.6	10.5	10.4	10.3	10.3	
270.0	10.4	10.5	10.7	10.5	10.3	10.4	10.4	10.3	
292.5	10.3	10.2	10.1	10.2	10.2	10.4	10.4	10.6	
315.0	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.5	
337.5	10.5	10.5	10.7	10.8	11.0	11.2	11.3	11.2	

DEPTH:	1710	TILT:	0	RANGE:	24.9	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.3	11.2	11.2	11.1	11.0	10.9	10.9	10.9	
22.5	11.0	11.3	12.1	12.4	13.7	14.5	14.6	14.5	
45.0	14.5	14.5	14.4	14.4	14.4	14.5	14.5	14.3	
67.5	14.2	14.1	14.2	14.2	14.2	14.2	14.4	14.4	
90.0	14.3	14.2	14.1	14.2	14.3	14.5	14.6	14.7	
112.5	14.5	14.4	14.2	14.2	14.3	14.3	14.4	14.5	
135.0	14.5	14.3	14.3	14.2	14.1	13.9	13.9	13.9	
157.5	13.9	13.7	13.2	12.7	12.3	12.0	11.5	11.3	
180.0	11.0	10.9	10.8	10.7	10.7	10.7	10.6	10.5	
202.5	10.4	10.3	10.3	10.2	10.2	10.2	10.1	10.1	
225.0	10.2	10.2	10.2	10.3	10.3	10.2	10.1	10.0	
247.5	9.9	9.9	9.9	9.9	10.1	10.1	9.9	9.9	
270.0	9.9	9.9	10.0	10.1	10.3	10.5	10.5	10.6	
292.5	10.6	10.7	10.7	10.7	10.7	10.8	10.7	10.8	
315.0	10.9	10.9	10.8	10.7	10.7	10.8	10.8	10.8	
337.5	10.8	11.0	11.2	11.3	11.3	11.3	11.4	11.3	

DEPTH:	1712	TILT:	0	RANGE:	24.9	VOS:	6003		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.1	11.0	11.1	11.3	11.5	11.7	12.1	12.3	
22.5	12.5	12.6	12.7	12.9	13.0	13.2	13.5	13.8	
45.0	13.9	14.1	14.1	14.1	14.2	13.9	13.8	13.9	
67.5	14.1	13.9	13.8	13.9	13.9	14.1	13.9	13.9	
90.0	13.7	13.7	13.5	13.5	13.5	13.6	13.6	13.6	
112.5	13.8	13.8	13.5	13.5	13.4	13.3	13.1	13.0	
135.0	12.9	12.7	12.5	12.3	12.3	12.4	12.3	12.2	
157.5	12.2	12.2	12.1	12.0	11.7	11.5	11.4	11.1	
180.0	10.9	10.8	10.7	10.7	10.8	10.8	10.9	10.9	
202.5	11.0	11.0	11.0	11.1	11.1	11.1	10.8	10.8	
225.0	10.8	10.6	10.6	10.6	10.6	10.6	10.5	10.4	
247.5	10.3	10.2	10.1	10.0	10.0	9.9	9.9	9.9	
270.0	9.9	9.9	10.0	10.0	10.1	10.1	10.3	10.3	
292.5	10.5	10.6	10.6	10.6	10.5	10.5	10.4	10.5	
315.0	10.5	10.5	10.5	10.4	10.4	10.4	10.5	10.6	
337.5	10.8	11.0	11.0	11.1	11.1	11.1	11.1	11.1	

DEPTH:	1714	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	9.8	9.5	9.7	9.7	9.7	9.9	10.0	10.0	
22.5	10.0	10.2	10.4	13.8	14.2	14.2	14.2	14.1	
45.0	13.8	13.8	14.0	14.0	14.1	14.0	13.7	13.5	
67.5	13.5	13.7	13.7	13.6	13.6	13.5	13.3	13.3	
90.0	13.3	13.5	13.6	13.7	13.7	14.0	14.1	14.1	
112.5	14.1	14.1	14.1	14.1	14.0	13.8	13.8	13.8	
135.0	13.7	13.7	13.7	13.6	13.6	13.7	13.7	13.6	
157.5	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.7	
180.0	13.6	13.5	13.4	13.5	13.5	13.4	12.5	11.9	
202.5	11.4	11.0	10.5	10.4	10.2	10.1	10.2	10.3	
225.0	10.3	10.3	10.2	10.1	10.1	10.1	10.1	10.0	
247.5	9.9	9.7	9.5	9.4	9.3	9.2	9.2	9.1	
270.0	9.1	9.0	9.0	9.0	9.0	9.1	9.1	9.1	
292.5	9.1	9.2	9.3	9.4	9.5	9.7	9.4	9.2	
315.0	9.1	9.2	9.3	9.3	9.3	9.3	9.3	9.3	
337.5	9.4	9.5	9.5	9.9	9.9	10.0	9.9	9.8	

DEPTH:	1716	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
22.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
45.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.2	
67.5	1.2	1.2	1.2	1.0	1.0	1.2	1.2	1.3	
90.0	1.2	1.3	1.3	1.3	1.4	1.3	1.3	1.3	
112.5	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.3	
135.0	1.2	1.2	1.0	1.0	1.0	0.9	1.0	0.9	
157.5	1.0	1.2	1.2	1.2	1.0	1.0	1.0	1.0	
180.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
202.5	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.0	
225.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
247.5	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	
270.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
292.5	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	
315.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
337.5	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.0	

DEPTH:	1718	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
22.5	1.2	1.2	1.2	1.3	1.2	1.3	1.3	1.3	
45.0	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	
67.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
90.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
112.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	
135.0	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
157.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
180.0	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	
202.5	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	
225.0	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	
247.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.2	
270.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.2	
292.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
315.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
337.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	

DEPTH:	1720	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.4	
22.5	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	
45.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
67.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	
90.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
112.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
135.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
157.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
180.0	1.4	1.5	1.5	1.5	1.5	1.6	1.5	1.5	
202.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	
225.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
247.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
270.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
292.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	
315.0	1.4	1.4	1.4	1.3	1.4	1.4	1.3	1.3	
337.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	

DEPTH:	1722	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
22.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
45.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
67.5	1.2	1.0	1.0	1.2	1.0	1.0	1.0	1.0	
90.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
112.5	1.0	1.0	1.2	1.0	1.0	1.2	1.2	1.2	
135.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
157.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
180.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
202.5	1.2	1.2	1.3	1.3	1.2	1.3	1.3	1.3	
225.0	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	
247.5	1.0	1.2	1.0	1.0	1.0	1.0	1.2	1.0	
270.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	
292.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
315.0	1.0	1.2	1.2	1.0	1.0	1.0	1.0	1.0	
337.5	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.0	

DEPTH:	1726	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	15.6	15.7	15.7	15.5	15.5	15.5	15.5	15.6	
22.5	15.9	16.0	15.9	15.9	15.8	15.6	15.6	15.7	
45.0	15.6	15.6	15.7	15.7	15.7	15.8	15.9	15.8	
67.5	15.8	15.6	15.6	15.5	15.5	15.5	15.4	15.5	
90.0	15.7	15.8	15.7	15.8	15.7	15.8	15.8	15.9	
112.5	15.9	15.9	15.8	15.7	15.6	15.6	15.7	15.7	
135.0	15.7	15.6	15.7	15.7	15.8	15.9	16.0	16.0	
157.5	15.9	15.8	15.8	15.9	16.2	15.9	15.7	15.6	
180.0	15.8	16.0	16.2	16.0	15.6	15.5	15.4	15.5	
202.5	15.4	15.5	15.6	15.8	15.8	15.8	15.7	15.7	
225.0	15.7	15.7	15.8	15.8	15.8	16.0	16.0	16.2	
247.5	16.2	16.3	16.4	16.3	16.3	16.0	15.7	15.8	
270.0	15.9	15.9	15.9	15.9	16.0	16.0	15.8	15.6	
292.5	15.6	15.8	15.9	15.9	15.8	15.7	15.7	15.5	
315.0	15.4	15.5	15.7	15.9	16.0	15.8	15.6	15.5	
337.5	15.4	15.5	15.5	15.5	15.6	15.7	15.8	15.7	

DEPTH:	1728	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	15.6	15.4	15.3	15.5	15.6	15.5	15.6	15.5	
22.5	15.3	15.4	15.5	15.7	15.8	15.8	15.7	15.6	
45.0	15.7	16.0	16.0	16.0	15.9	15.9	15.7	15.6	
67.5	15.7	15.7	15.5	15.5	15.6	15.7	15.7	15.6	
90.0	15.6	15.7	15.6	15.7	15.7	15.8	15.8	15.8	
112.5	15.7	15.7	15.8	15.8	15.8	15.7	15.7	15.6	
135.0	15.6	15.6	15.6	15.9	16.0	16.0	16.0	16.2	
157.5	16.2	15.9	16.0	15.9	15.8	15.8	15.9	16.0	
180.0	16.2	16.3	16.3	15.7	15.6	15.7	15.7	15.6	
202.5	15.7	16.0	16.4	16.6	16.4	16.4	16.0	15.9	
225.0	15.9	15.9	15.8	16.0	16.0	16.0	16.0	16.0	
247.5	15.9	15.9	15.8	15.8	15.8	16.0	16.2	16.2	
270.0	16.0	16.0	16.2	16.2	15.9	15.8	15.7	15.9	
292.5	15.9	15.7	15.6	15.4	15.4	15.6	15.8	16.0	
315.0	15.9	15.8	15.7	15.7	15.7	15.6	15.5	15.6	
337.5	15.7	15.7	15.7	15.7	15.6	15.4	15.4	15.5	

DEPTH:	1730	TILT:	0	RANGE:	24.9	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	15.2	15.2	15.2	15.1	15.1	15.2	15.3	15.5	
22.5	15.8	15.9	15.9	16.0	16.0	15.6	15.3	15.1	
45.0	15.1	14.9	14.9	14.9	15.2	15.5	15.5	15.4	
67.5	15.2	15.0	15.1	15.0	14.9	14.8	14.7	14.6	
90.0	14.4	14.4	14.3	14.3	14.4	14.5	14.5	14.4	
112.5	14.1	14.2	14.6	14.8	14.8	14.9	14.8	14.6	
135.0	14.6	14.7	14.7	14.7	14.6	14.5	14.6	14.6	
157.5	14.6	14.8	14.8	14.8	14.9	14.7	14.6	15.0	
180.0	15.2	15.3	15.3	15.1	15.1	15.2	15.3	15.6	
202.5	15.5	15.5	15.3	15.3	15.3	15.1	15.0	15.2	
225.0	15.1	15.1	15.2	15.3	15.2	15.1	15.1	15.0	
247.5	15.0	15.1	15.2	15.2	15.2	15.3	15.1	14.9	
270.0	15.0	15.2	15.4	15.5	15.5	15.6	15.8	15.8	
292.5	15.8	15.7	15.7	15.7	15.6	15.4	15.4	15.5	
315.0	15.7	15.7	15.5	15.5	15.6	15.6	15.7	15.6	
337.5	15.5	15.3	15.2	15.2	15.2	15.2	15.1	15.0	

DEPTH: 1732	TILT: 0	RANGE: 24.9	VOS: 6005					
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	12.2	12.5	12.2	12.2	12.4	12.6	12.5	
22.5	12.7	12.4	12.2	12.4	12.5	12.6	12.9	
45.0	13.3	13.7	13.7	13.6	13.3	12.8	12.4	
67.5	12.4	11.9	11.9	11.7	11.9	12.1	12.5	
90.0	12.9	12.9	12.6	12.3	12.0	11.1	10.6	11.0
112.5	11.0	11.0	11.4	12.1	12.2	11.9	11.6	11.6
135.0	11.2	11.0	10.9	11.0	11.0	10.9	11.0	11.1
157.5	11.1	11.2	11.4	11.4	11.3	11.3	11.9	12.1
180.0	12.4	12.6	12.9	13.0	13.1	13.1	12.8	12.6
202.5	12.4	12.2	12.2	12.1	12.0	11.7	11.5	11.3
225.0	11.5	12.0	12.4	12.3	11.9	11.6	11.5	11.3
247.5	11.2	11.0	11.0	11.1	11.3	11.7	12.1	12.3
270.0	12.4	12.3	12.2	12.0	11.4	10.9	10.6	10.8
292.5	11.5	11.7	11.9	11.9	11.9	11.9	12.1	12.2
315.0	12.2	12.1	12.0	12.0	12.1	12.1	12.0	12.0
337.5	12.0	11.9	11.7	11.7	11.6	11.9	12.0	12.2

DEPTH: 1734	TILT: 0	RANGE: 24.9	VOS: 6005					
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	7.1	7.3	7.6	7.6	7.6	7.6	7.7	
22.5	7.7	7.7	7.6	7.6	7.6	7.4	7.7	
45.0	7.7	7.7	7.7	7.7	7.9	7.8	7.9	
67.5	8.1	8.3	8.6	9.1	10.0	9.9	9.7	9.5
90.0	9.5	9.5	9.4	9.5	9.5	9.5	9.4	9.4
112.5	9.7	9.2	8.8	8.5	8.8	8.8	8.7	8.6
135.0	8.7	8.8	8.8	8.7	8.6	8.6	8.0	7.6
157.5	7.6	7.6	7.4	7.3	7.4	7.4	7.6	7.7
180.0	7.7	7.7	7.6	7.7	7.9	8.1	8.3	8.2
202.5	8.1	8.2	8.3	8.3	8.3	8.4	8.3	8.6
225.0	8.7	8.8	8.8	8.7	8.5	8.1	7.9	7.3
247.5	7.6	7.7	7.8	7.9	7.9	7.9	7.8	7.8
270.0	7.8	7.8	7.8	7.8	7.9	7.9	7.9	8.0
292.5	8.1	8.1	8.2	8.2	8.0	7.8	7.8	7.7
315.0	7.7	7.6	7.4	7.4	7.3	7.2	7.2	7.0
337.5	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1

DEPTH: 1736	TILT: 0	RANGE: 24.9	VOS: 6005					
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	4.9	4.8	4.9	4.9	4.9	5.0	5.1	
22.5	5.2	5.5	5.6	5.8	5.9	6.1	6.3	
45.0	6.5	6.7	6.8	6.8	6.9	6.9	7.1	
67.5	7.1	7.1	7.1	7.1	7.1	7.1	6.9	
90.0	6.9	6.9	6.9	7.0	7.1	7.2	7.4	
112.5	7.4	7.4	7.6	7.2	7.1	6.9	6.6	
135.0	6.2	5.9	5.6	5.5	5.3	5.3	5.5	
157.5	5.6	5.6	5.8	5.8	5.6	5.0	4.6	4.2
180.0	4.4	4.4	4.2	4.2	4.1	4.2	4.2	4.2
202.5	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3
225.0	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.7
247.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
270.0	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0
292.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
315.0	4.9	4.8	4.8	4.8	4.9	4.9	4.9	4.9
337.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9

DEPTH:	1738	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	
22.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
45.0	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	
67.5	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	
90.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	
112.5	1.3	1.2	1.2	1.2	1.0	1.0	1.0	0.9	
135.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
157.5	0.9	0.9	1.0	1.0	1.2	1.2	1.2	1.2	
180.0	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	
202.5	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.4	
225.0	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	
247.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	
270.0	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	
292.5	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	
315.0	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	
337.5	1.7	1.7	1.6	1.5	1.5	1.5	1.5	1.5	

DEPTH:	1753	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.5	
22.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	
45.0	1.6	1.7	1.6	1.6	1.6	1.5	1.5	1.5	
67.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	
90.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	
112.5	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	
135.0	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.4	
157.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
180.0	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.4	
202.5	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.5	
225.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
247.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
270.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
292.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4	
315.0	1.5	1.4	1.4	1.4	1.3	1.4	1.3	1.4	
337.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	

DEPTH:	1754	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	9.8	9.8	9.8	10.1	10.4	11.0	11.8	11.8	
22.5	11.5	11.5	11.6	11.6	11.5	11.5	11.5	11.6	
45.0	11.2	11.2	11.2	11.1	11.3	11.5	11.5	11.5	
67.5	11.3	11.2	11.0	11.0	10.9	10.6	10.4	10.1	
90.0	9.9	10.0	10.5	10.8	10.9	11.0	11.0	10.9	
112.5	10.8	10.8	10.8	10.7	10.8	10.8	10.9	11.0	
135.0	11.0	11.2	11.3	11.3	11.2	11.0	10.8	10.8	
157.5	10.7	10.7	10.9	11.2	11.3	11.3	11.1	11.1	
180.0	11.0	10.9	10.5	10.2	10.2	10.2	10.3	10.3	
202.5	10.4	10.5	10.6	10.7	10.6	10.3	10.2	10.1	
225.0	10.1	10.1	10.2	10.3	10.4	10.4	10.4	10.3	
247.5	10.2	10.2	10.2	10.1	10.1	10.0	9.9	9.7	
270.0	9.5	9.4	9.3	9.2	9.1	9.2	9.2	9.3	
292.5	9.3	9.4	9.3	9.3	9.3	9.2	9.1	9.1	
315.0	9.1	9.2	9.2	9.2	9.1	9.1	9.1	9.2	
337.5	9.2	9.3	9.4	9.5	9.5	9.7	9.7	9.8	

DEPTH: 1756	TILT: 0		RANGE: 24.9		VOS: 6004			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	6.2	6.2	6.3	6.5	6.4	6.4	6.5	6.4
22.5	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.8
45.0	6.9	7.0	7.0	7.3	7.2	7.2	7.4	7.8
67.5	8.0	8.2	8.7	8.6	8.3	8.0	7.8	7.7
90.0	7.7	7.8	8.0	8.2	8.2	8.1	8.2	8.2
112.5	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.4
135.0	8.4	8.4	8.4	8.5	8.5	8.1	7.8	7.8
157.5	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.0
180.0	7.8	7.7	7.2	7.0	6.8	6.7	6.7	6.6
202.5	6.7	6.7	6.7	6.8	6.8	6.9	7.0	7.2
225.0	7.3	7.2	7.2	7.2	7.1	7.0	7.0	6.9
247.5	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.6
270.0	6.7	6.7	6.9	7.1	6.9	6.7	6.5	6.3
292.5	6.2	6.2	6.2	6.2	6.4	6.4	6.7	6.7
315.0	6.5	6.4	6.4	6.3	6.2	6.3	6.1	6.0
337.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1

DEPTH: 1758	TILT: 0		RANGE: 24.9		VOS: 6005			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.6
45.0	1.6	1.6	1.6	1.7	1.6	1.6	1.7	1.7
67.5	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
90.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
112.5	1.5	1.4	1.5	1.5	1.5	1.4	1.4	1.4
135.0	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4
157.5	1.4	1.4	1.4	1.3	1.4	1.4	1.4	1.3
180.0	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3
202.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
225.0	1.3	1.2	1.3	1.3	1.3	1.3	1.4	1.4
247.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
270.0	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.4
292.5	1.4	1.5	1.4	1.5	1.4	1.5	1.5	1.5
315.0	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6
337.5	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5

DEPTH: 1761	TILT: 0		RANGE: 34.8		VOS: 6004			
Bearing + 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
45.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5
67.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
90.0	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5
112.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
135.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
157.5	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.5
180.0	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.5
202.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
225.0	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3
247.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
270.0	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3
292.5	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
315.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
337.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

DEPTH:	1762	TILT:	0	RANGE:	34.8	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	15.4	15.7	15.7	15.9	16.2	16.2	16.2	16.2	
22.5	16.0	16.0	15.9	15.1	14.4	13.8	13.8	13.7	
45.0	13.5	13.4	13.4	13.2	13.4	13.4	13.4	13.7	
67.5	13.7	13.7	13.8	14.0	14.0	14.1	14.1	14.1	
90.0	14.1	14.3	14.3	14.3	14.3	14.3	14.4	14.4	
112.5	14.5	14.5	14.7	14.7	14.5	14.5	14.4	14.4	
135.0	14.3	14.4	14.3	14.3	14.4	14.4	14.5	14.7	
157.5	14.7	14.5	14.3	14.1	14.1	13.8	13.8	13.8	
180.0	14.0	14.0	14.0	14.1	14.1	14.0	14.0	13.8	
202.5	13.8	13.7	13.8	14.0	14.0	14.1	14.3	14.3	
225.0	14.3	14.3	14.1	13.8	13.7	13.8	13.8	13.7	
247.5	13.7	13.8	13.8	13.8	13.7	13.7	13.5	13.5	
270.0	13.4	13.2	13.2	13.5	13.7	13.7	13.7	13.7	
292.5	13.8	13.8	13.8	14.0	14.0	13.8	13.7	13.7	
315.0	13.7	13.7	13.7	13.7	13.4	13.4	13.4	13.2	
337.5	13.1	13.2	13.4	13.7	13.7	14.1	14.4	15.0	

DEPTH:	1764	TILT:	0	RANGE:	34.8	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	19.7	19.8	20.0	20.0	19.8	19.8	19.5	19.2	
22.5	19.1	19.1	19.4	19.7	19.5	19.5	19.5	19.5	
45.0	19.8	20.0	20.1	20.1	19.8	19.8	20.0	20.0	
67.5	20.0	19.8	19.8	19.7	19.5	19.5	19.7	19.4	
90.0	19.2	19.2	19.4	19.5	19.4	19.4	19.2	19.4	
112.5	19.5	19.7	20.0	20.1	20.1	20.3	20.4	20.3	
135.0	20.3	20.4	20.3	20.0	19.8	19.7	19.8	19.8	
157.5	19.8	19.7	19.7	19.5	19.5	19.4	19.5	19.2	
180.0	19.4	19.5	19.7	19.7	19.7	19.7	19.8	19.8	
202.5	20.0	20.0	19.8	19.7	19.5	19.5	19.5	19.7	
225.0	19.8	19.8	20.0	20.0	19.8	20.0	19.8	19.8	
247.5	19.7	19.7	19.7	19.5	19.4	19.4	19.1	19.1	
270.0	19.2	19.4	19.4	19.4	19.5	19.7	19.8	20.0	
292.5	19.8	19.8	19.7	19.5	19.5	19.7	19.8	19.7	
315.0	19.8	19.8	19.8	19.8	20.0	19.8	19.7	19.7	
337.5	19.7	19.7	19.5	19.5	19.7	19.7	19.7	19.5	

DEPTH:	1766	TILT:	0	RANGE:	34.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	19.5	19.7	19.8	19.8	20.1	20.3	20.3	20.4	
22.5	20.4	20.3	20.6	20.6	20.7	20.6	20.3	20.4	
45.0	20.1	19.8	19.8	20.0	20.0	20.0	20.0	20.1	
67.5	20.0	19.8	19.7	19.8	19.8	19.8	19.7	19.5	
90.0	19.5	19.8	19.7	19.7	19.7	19.7	19.7	19.7	
112.5	19.5	19.7	19.8	19.8	19.7	19.7	19.8	20.0	
135.0	19.8	20.0	19.8	19.8	19.7	19.5	19.7	19.7	
157.5	19.7	19.5	19.5	19.4	19.4	19.4	19.2	19.4	
180.0	19.4	19.2	19.0	19.1	19.4	19.4	19.7	19.8	
202.5	20.0	20.0	20.0	20.3	20.3	20.3	20.1	20.0	
225.0	19.8	19.7	19.5	19.7	19.5	19.5	19.7	19.7	
247.5	19.7	19.5	19.7	19.8	19.8	19.7	19.7	19.7	
270.0	19.7	19.8	19.8	19.7	19.8	19.8	19.8	19.8	
292.5	19.8	20.0	19.8	19.5	19.7	19.5	19.7	19.5	
315.0	19.7	19.7	19.5	19.7	19.8	19.8	19.8	20.0	
337.5	19.7	19.8	19.8	19.7	19.5	19.5	19.4	19.5	

DEPTH:	1768	TILT:	0	RANGE:	34.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	20.0	20.1	20.1	20.1	20.1	20.3	20.3	20.4	
22.5	20.3	20.0	19.8	20.0	20.1	20.1	20.0	20.0	
45.0	20.1	20.3	20.6	20.6	20.6	20.9	20.9	20.7	
67.5	20.6	20.6	20.3	20.1	20.1	20.1	20.1	20.1	
90.0	20.1	20.1	20.1	20.0	20.1	20.1	20.3	20.3	
112.5	20.3	20.3	20.3	20.3	20.3	20.1	20.3	20.3	
135.0	20.3	20.3	20.1	20.0	19.8	19.7	19.5	19.7	
157.5	19.8	19.7	19.5	19.7	19.8	19.5	19.4	19.5	
180.0	19.8	19.8	19.8	19.5	19.5	19.4	19.4	19.5	
202.5	19.7	19.5	19.4	19.5	19.5	19.7	19.8	20.0	
225.0	19.8	19.8	19.8	19.7	19.5	19.5	19.7	19.8	
247.5	19.8	19.8	19.7	19.7	19.7	19.7	19.8	19.8	
270.0	19.8	19.7	20.0	20.3	20.4	20.3	20.3	20.3	
292.5	20.3	20.3	20.1	20.3	20.4	20.1	20.1	20.4	
315.0	20.4	20.4	20.4	20.4	20.7	20.6	20.4	20.4	
337.5	20.3	20.3	20.3	20.3	20.1	20.1	20.1	20.0	

DEPTH:	1770	TILT:	0	RANGE:	34.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	20.0	20.1	20.1	20.1	20.1	20.3	20.3	20.4	
22.5	20.3	20.0	19.8	19.8	20.0	20.0	20.0	20.1	
45.0	20.4	20.4	20.6	20.6	20.4	20.6	20.6	20.3	
67.5	20.0	19.8	19.8	19.7	19.8	19.8	20.0	20.1	
90.0	20.1	19.8	20.0	20.1	20.1	20.1	20.1	20.0	
112.5	20.0	20.0	20.1	20.1	20.3	20.3	20.4	20.4	
135.0	20.4	20.3	20.3	20.0	20.3	19.7	19.5	19.7	
157.5	19.8	19.7	19.5	19.7	19.8	19.5	19.4	19.5	
180.0	19.8	19.8	19.8	19.5	19.5	19.4	19.4	19.5	
202.5	19.7	19.5	19.4	19.5	19.5	19.7	20.1	20.0	
225.0	19.8	19.7	19.8	19.8	19.8	19.8	19.8	20.0	
247.5	20.1	20.0	20.0	19.8	20.0	20.1	20.1	20.3	
270.0	20.1	20.1	20.3	20.4	20.6	20.7	20.4	20.6	
292.5	20.7	20.6	20.6	20.4	20.3	20.3	20.1	20.4	
315.0	20.1	20.1	20.1	20.0	20.1	20.3	20.1	20.1	
337.5	20.0	20.0	19.8	19.8	19.8	20.0	20.1	20.0	

DEPTH:	1772	TILT:	0	RANGE:	34.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	20.0	19.8	19.8	20.0	20.0	20.1	20.3	20.4	
22.5	20.3	20.3	20.4	20.6	20.9	20.7	20.6	20.7	
45.0	20.6	20.4	20.6	20.3	20.1	20.1	20.4	20.3	
67.5	20.1	19.8	19.5	19.4	19.5	19.5	19.8	19.8	
90.0	19.8	19.8	19.8	20.0	19.8	19.8	19.7	19.8	
112.5	19.7	20.3	20.4	20.6	20.6	20.6	20.4	20.0	
135.0	19.8	20.0	19.8	19.8	19.8	19.7	19.7	19.7	
157.5	19.7	19.8	19.8	20.0	20.0	20.0	20.3	20.1	
180.0	20.1	20.0	20.0	20.1	19.8	19.8	20.1	20.6	
202.5	20.3	20.0	19.8	19.7	19.7	19.7	19.8	19.8	
225.0	19.8	19.7	19.7	19.8	20.0	20.1	20.3	20.1	
247.5	20.1	20.0	20.0	19.8	19.7	19.8	19.8	19.8	
270.0	19.8	20.0	20.0	20.1	20.1	20.3	20.3	20.6	
292.5	20.7	20.4	20.3	20.1	20.3	19.8	20.0	20.0	
315.0	20.1	20.0	20.0	20.1	20.1	20.0	20.1	20.1	
337.5	20.3	20.1	20.3	20.4	20.3	20.1	20.1	20.3	

DEPTH:	1774	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	18.7	18.7	18.7	18.7	18.7	18.9	18.9	19.1	
22.5	19.3	19.7	19.7	20.2	20.4	20.4	20.6	20.4	
45.0	20.6	20.6	20.4	20.6	21.0	21.2	21.0	21.0	
67.5	21.0	21.0	21.0	21.0	21.0	20.8	20.4	20.2	
90.0	20.2	20.4	20.6	20.4	20.6	20.6	20.8	20.6	
112.5	20.8	21.0	21.0	20.6	20.6	20.2	19.9	19.7	
135.0	19.5	19.3	18.9	19.1	18.9	18.7	18.5	18.5	
157.5	18.5	18.7	18.7	18.5	18.5	18.5	18.5	18.9	
180.0	19.5	19.7	19.3	19.3	19.5	19.5	19.3	19.1	
202.5	18.9	18.9	18.9	19.1	18.7	18.7	18.5	18.7	
225.0	18.5	18.3	18.3	18.1	18.1	18.1	17.8	17.8	
247.5	17.8	17.8	17.8	18.1	18.3	18.3	18.5	18.7	
270.0	18.7	18.7	18.5	18.5	18.5	18.5	18.5	18.5	
292.5	18.7	18.5	18.5	18.7	18.5	18.5	19.1	19.7	
315.0	19.9	19.7	19.5	19.1	18.9	18.7	18.5	18.3	
337.5	18.3	18.3	18.1	18.3	18.3	18.3	18.3	18.5	

DEPTH:	1776	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	18.3	18.3	18.7	18.7	18.7	18.5	18.7	18.7	
22.5	18.7	18.9	18.9	19.3	19.5	19.7	19.9	20.2	
45.0	20.4	20.4	20.2	20.4	20.4	20.4	20.6	20.6	
67.5	20.8	20.6	20.4	20.4	19.7	19.3	19.1	18.7	
90.0	18.5	18.3	18.1	18.1	17.8	17.8	17.8	18.3	
112.5	18.5	18.3	18.3	18.1	18.1	18.1	18.3	18.3	
135.0	18.3	18.3	18.3	18.3	18.1	17.8	17.6	17.6	
157.5	17.6	17.6	17.6	17.4	17.0	17.0	17.2	17.0	
180.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	
202.5	17.0	17.0	17.0	17.0	17.2	17.4	17.4	17.4	
225.0	17.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6	
247.5	17.6	17.6	17.6	17.6	17.4	17.2	17.2	17.2	
270.0	17.4	17.6	17.6	17.6	17.4	17.2	17.0	17.2	
292.5	17.4	17.4	17.6	17.8	17.8	17.8	17.8	17.6	
315.0	17.4	17.4	17.2	17.2	17.2	17.2	17.2	17.2	
337.5	17.4	17.4	17.6	17.6	17.6	17.8	17.8	18.1	

DEPTH:	1778	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	15.7	16.8	17.8	18.5	18.7	18.9	18.9	18.7	
22.5	18.3	18.3	18.1	18.1	17.8	17.6	17.6	17.2	
45.0	16.8	16.4	16.2	15.5	15.5	15.1	15.1	15.1	
67.5	15.1	15.1	15.1	15.1	14.9	14.9	14.9	14.9	
90.0	14.7	14.5	14.5	14.5	14.3	14.3	14.3	14.5	
112.5	14.3	14.3	14.3	14.1	14.1	14.1	14.1	14.3	
135.0	14.3	14.3	14.5	14.5	14.7	14.9	14.9	14.9	
157.5	14.9	15.1	15.3	15.5	15.7	16.2	16.2	16.2	
180.0	16.0	16.0	15.7	15.5	15.3	15.1	14.9	14.7	
202.5	14.5	14.3	14.3	14.3	14.5	14.5	14.7	14.7	
225.0	15.1	15.1	14.9	14.9	14.9	14.9	14.9	14.9	
247.5	14.9	15.1	14.9	15.1	15.1	15.3	15.5	15.5	
270.0	15.7	15.7	15.7	16.0	16.0	16.2	16.2	16.0	
292.5	15.7	15.5	15.3	15.3	15.3	15.1	15.1	15.1	
315.0	15.3	15.3	15.5	15.5	15.5	15.5	15.5	15.5	
337.5	15.5	15.7	15.7	15.5	15.3	15.3	15.3	15.5	

DEPTH:	1780	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	13.4	13.6	13.6	13.6	13.6	13.9	13.6	13.6	
22.5	13.9	14.1	14.5	14.9	15.3	15.5	16.0	16.4	
45.0	17.0	17.4	17.8	18.1	18.1	17.8	17.6	17.6	
67.5	17.8	17.6	17.8	17.6	17.6	17.4	17.2	17.2	
90.0	17.2	17.0	17.0	17.0	17.0	16.8	16.8	16.8	
112.5	16.8	16.8	17.0	17.2	17.2	17.0	16.8	16.6	
135.0	16.4	16.2	16.2	16.2	16.2	16.2	16.2	16.0	
157.5	16.0	15.7	15.7	16.2	16.0	16.2	16.2	16.2	
180.0	16.4	16.4	16.2	16.2	16.0	15.3	14.3	13.4	
202.5	12.8	12.4	12.0	11.5	11.5	11.5	11.8	11.8	
225.0	11.8	12.0	12.0	12.0	12.2	12.0	12.2	12.2	
247.5	12.2	12.2	12.0	11.8	11.5	11.5	11.5	11.5	
270.0	11.5	11.5	11.5	11.5	11.3	11.3	11.5	11.5	
292.5	11.3	11.5	11.8	12.0	12.2	12.4	12.6	12.6	
315.0	12.6	12.8	13.2	13.6	13.6	13.6	13.9	13.9	
337.5	13.4	13.4	13.6	13.6	13.4	13.4	13.4	13.2	

DEPTH:	1782	TILT:	0	RANGE:	49.8	VOS:	5985		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	19.1	19.3	19.5	19.5	19.1	18.9	18.9	19.1	
22.5	19.3	19.5	19.3	19.5	19.5	19.7	20.0	20.0	
45.0	19.7	19.7	20.0	20.0	20.4	20.6	21.0	20.8	
67.5	21.0	21.2	21.4	21.0	20.8	20.8	20.6	20.2	
90.0	19.7	19.3	18.9	18.9	18.9	19.1	19.1	19.3	
112.5	19.3	18.9	18.9	18.9	19.1	18.9	18.9	19.1	
135.0	19.1	19.1	19.1	19.1	19.3	19.3	19.1	19.1	
157.5	19.1	19.1	19.1	19.3	19.1	19.3	19.3	19.3	
180.0	19.3	19.3	19.3	19.7	19.7	19.7	19.5	19.7	
202.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.5	
225.0	19.3	19.3	19.3	19.3	19.5	19.5	19.5	19.5	
247.5	19.7	19.5	19.5	20.0	20.4	20.4	20.4	20.4	
270.0	20.4	20.8	21.4	21.4	21.0	20.8	20.8	20.8	
292.5	20.8	20.8	20.8	20.4	20.2	20.2	20.2	20.0	
315.0	20.0	20.0	19.7	19.7	19.7	19.7	20.2	20.4	
337.5	20.4	20.0	19.5	19.1	19.1	19.1	19.1	19.1	

DEPTH:	1784	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	20.4	20.4	20.4	20.4	20.4	20.2	19.9	19.9	
22.5	20.4	20.6	20.6	20.6	20.6	20.6	20.4	20.6	
45.0	21.0	21.2	21.2	21.2	21.2	21.2	21.0	20.8	
67.5	20.8	20.6	20.6	20.6	20.4	20.4	20.6	20.6	
90.0	20.6	20.4	20.4	20.4	20.4	20.2	20.2	20.2	
112.5	20.2	20.2	20.2	20.2	20.2	20.4	20.6	20.6	
135.0	20.6	20.6	20.6	20.4	20.4	20.6	20.2	20.2	
157.5	19.9	20.2	20.2	19.9	19.9	19.9	19.9	19.7	
180.0	19.7	19.7	19.7	19.7	19.9	20.2	20.4	20.4	
202.5	20.2	20.2	20.2	20.4	20.4	20.2	19.9	19.9	
225.0	19.9	19.7	19.7	19.9	19.9	19.7	19.7	19.9	
247.5	19.9	20.2	20.2	20.2	20.2	19.9	19.7	19.5	
270.0	19.5	19.7	19.7	19.9	20.2	20.2	20.4	20.6	
292.5	20.4	20.4	20.2	20.2	19.9	19.9	19.7	19.9	
315.0	19.7	19.7	19.9	20.2	19.7	19.7	20.2	20.6	
337.5	20.6	20.6	20.6	20.6	20.4	20.6	20.4	20.4	

DEPTH:	1786	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	20.6	20.8	20.8	20.6	20.6	20.8	20.8	20.8	
22.5	21.0	21.0	21.0	21.2	21.4	20.6	20.6	20.4	
45.0	20.6	20.8	21.0	20.8	20.6	20.4	20.2	20.2	
67.5	20.2	20.4	20.4	20.6	20.8	20.8	20.6	20.4	
90.0	20.4	20.4	20.2	20.4	20.4	20.4	20.4	20.4	
112.5	20.4	20.4	20.4	20.2	20.2	20.2	20.2	20.2	
135.0	20.4	20.2	20.2	20.2	19.9	19.7	19.7	19.7	
157.5	19.9	19.7	19.9	20.2	19.9	19.9	19.9	19.9	
180.0	20.2	20.2	20.2	20.2	19.9	19.9	20.2	20.4	
202.5	20.2	20.4	20.2	20.2	20.2	19.9	19.9	19.7	
225.0	19.7	19.7	19.9	20.2	20.2	20.4	20.4	20.4	
247.5	20.4	20.4	20.6	20.6	20.4	20.2	20.2	20.4	
270.0	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6	
292.5	20.4	20.2	20.2	20.2	19.9	19.7	19.9	20.4	
315.0	20.2	20.6	21.0	20.8	20.8	21.0	21.0	21.0	
337.5	21.0	20.8	20.6	20.8	21.0	21.0	20.6	20.6	

DEPTH:	1788	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	22.7	22.5	22.7	22.7	22.7	22.9	22.7	22.7	
22.5	22.5	22.5	22.3	22.0	21.8	21.8	22.0	22.0	
45.0	22.0	22.3	22.3	22.5	22.5	22.3	22.0	22.3	
67.5	22.3	22.0	22.0	22.0	21.8	21.8	21.4	21.0	
90.0	21.0	21.0	21.0	20.8	20.6	20.4	20.4	20.2	
112.5	20.2	20.2	20.4	20.2	20.4	20.4	20.8	21.0	
135.0	21.0	21.2	20.8	20.8	20.8	20.6	20.6	20.6	
157.5	20.4	20.4	20.4	20.4	20.4	20.2	20.4	20.6	
180.0	20.6	20.6	20.6	20.6	20.8	20.8	20.8	21.0	
202.5	20.8	20.8	21.0	21.0	21.0	20.8	20.8	21.0	
225.0	21.0	20.8	21.0	21.0	21.0	21.2	21.2	21.2	
247.5	21.0	21.0	21.0	21.0	21.0	20.8	20.6	20.4	
270.0	20.8	20.8	20.8	21.0	21.2	21.0	21.0	21.2	
292.5	21.0	21.2	21.4	21.4	21.6	21.8	22.0	22.0	
315.0	22.5	22.3	22.3	22.0	22.3	22.0	22.0	22.0	
337.5	22.3	22.3	22.0	22.0	22.0	22.3	22.5	22.7	

DEPTH:	1790	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	22.9	22.9	23.1	22.7	22.5	22.7	22.7	22.9	
22.5	22.9	22.7	22.9	22.9	22.5	22.3	22.5	22.7	
45.0	22.9	22.5	22.3	22.5	22.5	22.7	22.9	22.9	
67.5	22.9	23.1	22.9	22.7	22.7	22.7	22.9	22.9	
90.0	22.9	22.9	22.7	22.5	22.5	22.7	22.7	22.7	
112.5	22.9	22.7	22.7	22.3	22.0	22.0	21.8	22.0	
135.0	21.8	21.8	21.6	21.8	22.0	22.0	22.0	22.0	
157.5	22.0	22.0	22.0	22.0	22.3	22.5	22.7	22.5	
180.0	22.5	22.9	22.9	22.9	22.7	22.7	22.5	22.7	
202.5	22.5	22.3	22.3	22.0	21.8	21.6	21.8	21.6	
225.0	21.6	21.8	22.3	22.5	22.3	22.7	22.5	22.3	
247.5	22.3	22.0	22.0	22.3	22.5	22.5	22.5	22.3	
270.0	22.3	22.5	22.5	22.7	22.5	22.7	23.1	23.3	
292.5	23.5	23.1	23.5	23.1	23.5	23.5	23.3	23.1	
315.0	23.1	23.1	23.1	23.1	23.3	22.9	22.9	22.9	
337.5	22.9	23.1	23.1	23.1	22.9	22.9	22.9	22.9	

DEPTH:	1792	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	
22.5	23.5	23.5	23.5	23.1	22.9	23.1	22.9	23.1	
45.0	23.3	23.1	23.1	23.3	23.3	23.3	23.1	22.9	
67.5	22.9	23.1	23.3	23.3	23.5	23.5	23.5	23.5	
90.0	23.5	23.5	23.3	23.5	23.5	23.5	23.5	23.5	
112.5	23.3	23.5	23.5	23.3	23.1	23.1	23.1	22.9	
135.0	22.9	22.9	22.7	22.7	22.9	22.7	22.7	22.7	
157.5	23.1	23.3	23.3	23.1	23.1	23.3	23.1	23.3	
180.0	23.3	22.9	22.9	23.1	23.1	23.1	22.7	22.7	
202.5	22.9	22.7	23.1	23.3	23.3	23.3	23.3	23.5	
225.0	23.5	23.7	23.7	23.5	23.3	23.1	23.1	23.1	
247.5	23.1	23.1	22.7	22.7	22.5	22.7	22.9	22.9	
270.0	22.7	22.9	22.9	22.9	22.9	23.1	23.3	23.3	
292.5	23.3	23.3	23.3	23.3	23.5	23.3	23.3	23.3	
315.0	23.7	23.9	23.9	23.5	23.3	23.1	23.1	23.1	
337.5	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.5	

DEPTH:	1794	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	22.7	22.5	22.5	22.3	22.1	22.1	22.1	22.3	
22.5	22.5	22.7	22.7	22.9	22.9	23.1	23.1	23.3	
45.0	23.5	23.5	23.7	23.7	23.7	24.2	24.2	23.9	
67.5	23.7	23.5	23.1	22.9	23.1	23.1	23.1	23.3	
90.0	23.3	23.5	23.5	23.5	23.3	23.3	23.3	23.3	
112.5	23.3	23.1	23.1	23.3	23.1	23.3	23.3	23.3	
135.0	23.3	23.3	23.3	23.3	23.1	23.1	23.1	23.1	
157.5	23.1	23.3	23.3	23.5	23.5	23.3	22.9	22.9	
180.0	22.7	22.5	22.5	22.9	22.7	22.7	22.5	22.7	
202.5	22.7	22.7	22.5	22.5	22.5	22.5	22.7	22.7	
225.0	22.7	22.5	22.5	22.5	22.7	22.9	22.9	23.1	
247.5	23.3	23.3	23.5	23.7	23.7	23.7	23.5	23.7	
270.0	23.5	23.5	23.7	23.7	23.7	23.9	24.2	24.2	
292.5	24.2	23.9	23.9	23.9	23.7	23.9	23.9	23.9	
315.0	23.7	23.9	23.9	24.2	23.9	23.7	23.5	23.3	
337.5	23.1	23.1	23.1	23.1	23.1	22.9	22.7	22.5	

DEPTH:	1796	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	23.5	23.5	23.7	23.9	23.9	23.7	23.5	23.5	
22.5	23.5	23.7	23.5	23.5	23.3	23.1	23.1	23.3	
45.0	23.5	23.7	23.7	23.9	23.7	23.7	23.5	23.7	
67.5	23.7	23.5	23.3	23.3	23.5	23.5	23.1	23.3	
90.0	23.3	23.3	23.3	22.9	22.7	22.5	22.5	22.7	
112.5	22.7	22.5	22.3	22.5	22.5	22.7	22.7	22.7	
135.0	22.9	23.1	22.9	22.7	22.7	22.7	22.9	22.9	
157.5	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	
180.0	23.1	22.9	22.9	22.9	22.7	22.7	22.5	22.7	
202.5	22.7	22.7	22.9	23.1	22.9	22.9	22.7	22.5	
225.0	22.3	22.5	22.7	22.5	22.5	22.7	22.9	23.1	
247.5	23.1	22.9	22.9	22.9	22.9	23.1	23.1	23.1	
270.0	23.1	23.1	22.9	22.7	22.5	22.5	22.5	22.5	
292.5	22.3	22.5	22.5	22.5	22.5	22.7	22.7	22.7	
315.0	22.9	22.9	22.9	22.9	22.7	22.5	22.7	22.5	
337.5	22.5	22.5	22.3	22.7	22.9	23.1	23.3	23.3	

DEPTH:	1798	TILT:	0	RANGE:	49.8	VOS:	6004		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	23.1	23.3	22.9	22.7	22.9	22.9	23.1	23.1	
22.5	23.3	23.1	22.9	22.9	23.1	23.1	23.3	23.1	
45.0	23.1	23.1	23.1	23.3	23.1	23.1	23.3	23.3	
67.5	23.1	23.1	23.1	23.1	23.3	23.1	23.1	22.9	
90.0	22.9	23.1	23.3	23.5	23.3	23.5	23.5	23.3	
112.5	23.3	22.9	22.9	22.7	22.7	22.7	22.7	22.7	
135.0	22.7	22.7	22.7	22.5	22.7	22.7	22.7	22.7	
157.5	22.9	22.9	22.9	22.9	23.1	22.9	23.1	23.1	
180.0	22.9	22.9	22.9	22.9	22.7	22.5	22.5	22.7	
202.5	22.7	22.9	23.1	23.1	23.1	23.3	22.9	22.9	
225.0	22.9	22.9	22.7	22.3	22.5	22.7	22.9	22.7	
247.5	22.7	22.7	22.7	22.7	22.7	22.9	23.3	23.5	
270.0	23.5	23.7	23.7	23.7	23.3	23.3	23.3	23.3	
292.5	23.5	23.7	23.9	23.7	23.5	23.1	23.1	23.5	
315.0	23.7	23.7	23.5	23.5	23.5	23.3	23.5	23.3	
337.5	23.5	23.3	23.1	23.1	22.9	22.9	23.1	23.1	

DEPTH:	1800	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	23.5	23.7	23.5	23.7	23.9	23.9	23.5	22.9	
22.5	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	
45.0	23.1	22.9	23.1	23.5	23.7	23.7	23.7	23.5	
67.5	23.3	23.5	23.3	23.5	23.7	23.9	23.7	23.7	
90.0	23.7	23.7	23.5	23.5	23.5	23.5	23.3	22.9	
112.5	23.1	23.1	23.1	23.3	23.1	23.1	22.9	22.9	
135.0	22.7	22.9	22.9	22.9	23.3	23.3	23.3	23.3	
157.5	23.5	23.5	23.3	23.3	23.3	23.1	22.9	22.9	
180.0	22.9	22.9	22.9	23.1	22.9	23.1	23.1	23.1	
202.5	23.1	22.9	22.7	22.5	22.1	22.5	22.7	22.7	
225.0	23.1	23.7	23.5	23.5	23.3	23.1	22.9	22.7	
247.5	22.5	22.3	22.5	22.5	22.3	22.5	22.9	23.1	
270.0	23.1	22.9	22.7	22.7	22.7	22.9	22.9	22.9	
292.5	22.7	22.5	22.5	22.5	22.5	22.7	22.7	22.7	
315.0	22.7	22.7	22.5	22.5	22.7	22.5	22.7	22.5	
337.5	22.7	22.9	22.7	22.7	22.9	23.3	23.3	23.5	

DEPTH:	1802	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	22.7	23.3	23.9	24.4	25.0	25.0	25.2	25.2	
22.5	25.0	24.8	24.1	23.7	23.1	22.9	22.7	22.9	
45.0	22.9	22.7	22.9	22.9	22.9	23.1	23.5	23.5	
67.5	23.3	23.5	23.5	23.7	23.9	23.9	23.5	23.3	
90.0	22.9	22.9	22.9	22.9	22.9	23.1	23.3	23.1	
112.5	22.9	22.9	22.7	22.9	23.1	22.9	23.1	23.1	
135.0	23.1	23.1	22.9	22.7	22.7	22.7	22.7	22.7	
157.5	22.9	22.9	22.9	22.5	22.3	22.0	22.3	22.5	
180.0	22.5	22.7	22.5	22.5	22.5	22.3	22.3	22.3	
202.5	22.5	22.7	22.9	23.3	23.5	23.5	23.5	23.3	
225.0	22.9	22.5	22.3	22.5	22.3	22.3	22.3	21.8	
247.5	21.8	22.0	22.3	22.3	22.5	22.5	22.7	22.7	
270.0	22.5	22.0	22.0	22.3	22.5	22.7	23.1	23.1	
292.5	23.1	23.1	23.1	23.1	23.3	23.1	22.7	22.9	
315.0	22.9	22.7	22.7	22.9	22.9	22.9	22.7	22.7	
337.5	22.5	22.5	22.5	22.3	22.3	22.3	22.7	22.7	

DEPTH:	1804	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	27.9	27.9	27.9	28.4	28.1	27.3	27.3	27.3	
22.5	27.1	26.7	25.4	23.5	22.3	21.8	21.8	21.4	
45.0	21.2	21.2	21.2	21.0	21.2	21.2	21.4	21.6	
67.5	21.6	21.2	21.0	20.8	20.6	20.8	20.8	20.8	
90.0	20.8	20.6	20.6	20.8	20.8	20.8	20.8	20.8	
112.5	21.0	21.0	20.8	20.8	20.8	21.0	21.0	21.2	
135.0	21.6	21.6	21.6	21.6	21.4	21.4	21.4	21.4	
157.5	21.4	21.6	21.8	22.1	22.1	21.8	21.4	21.4	
180.0	21.4	21.6	21.8	22.1	22.3	22.1	21.8	21.6	
202.5	21.4	21.0	20.6	20.6	20.4	20.0	20.0	20.2	
225.0	20.2	20.2	20.2	20.4	20.4	20.4	20.4	20.4	
247.5	20.4	20.4	20.6	20.8	20.8	20.8	20.6	20.8	
270.0	20.6	20.8	20.8	20.6	21.0	21.2	21.2	21.2	
292.5	21.2	21.0	21.2	21.2	21.4	21.4	21.2	21.2	
315.0	21.4	21.2	21.2	21.2	21.4	21.4	21.4	21.2	
337.5	21.4	21.4	21.2	21.4	21.8	23.1	23.9	27.5	

DEPTH:	1806	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	19.9	20.2	20.4	20.4	20.4	20.4	20.2	19.9	
22.5	19.9	20.2	20.4	20.6	20.4	20.2	20.2	19.9	
45.0	19.7	19.7	19.5	19.3	19.3	19.3	19.3	19.3	
67.5	19.5	19.9	20.2	20.6	20.6	20.6	20.2	19.7	
90.0	19.3	19.5	19.5	19.7	19.7	19.5	19.7	19.7	
112.5	19.5	19.5	19.7	19.7	19.7	19.7	19.7	19.9	
135.0	19.7	19.5	19.5	19.5	19.5	19.7	20.2	20.2	
157.5	19.9	19.9	19.9	19.9	19.5	19.7	19.5	19.5	
180.0	19.7	19.7	19.3	18.9	18.9	19.1	19.1	19.3	
202.5	19.5	19.3	19.3	19.1	18.9	18.7	18.7	18.7	
225.0	18.5	18.7	18.7	18.9	19.1	19.5	19.7	19.7	
247.5	19.5	19.5	19.5	19.5	19.5	19.5	19.3	18.9	
270.0	18.5	18.5	18.9	19.1	19.1	18.9	18.9	19.1	
292.5	19.3	19.1	19.1	19.3	19.3	19.5	19.3	19.7	
315.0	19.5	19.5	19.3	19.1	19.1	18.9	18.9	18.9	
337.5	18.9	19.1	19.1	19.3	19.3	19.5	19.7	19.7	

DEPTH:	1808	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	22.3	22.5	22.7	22.7	22.7	22.5	22.3	22.1	
22.5	22.1	21.8	21.8	21.6	21.6	21.6	21.6	21.6	
45.0	21.4	21.6	21.6	21.6	21.6	21.8	21.8	21.8	
67.5	22.5	22.7	22.7	22.7	22.9	22.5	22.3	22.3	
90.0	22.3	22.3	22.5	22.9	23.3	23.1	22.7	22.5	
112.5	22.1	21.6	21.2	21.4	21.8	22.3	22.5	22.9	
135.0	23.3	23.3	23.1	22.5	22.1	21.8	22.1	22.3	
157.5	22.5	22.5	22.3	22.3	22.1	22.1	21.6	21.4	
180.0	21.4	21.4	21.6	21.8	21.8	21.6	21.8	21.8	
202.5	22.1	22.1	22.1	22.1	22.1	22.1	21.8	21.8	
225.0	22.1	21.8	20.6	20.4	20.2	20.2	20.4	20.6	
247.5	20.8	21.0	20.8	20.6	20.2	20.2	20.2	20.0	
270.0	20.2	21.0	23.1	22.7	22.5	22.5	22.7	22.7	
292.5	22.1	21.6	21.2	21.2	21.0	20.8	20.8	20.8	
315.0	21.0	21.4	21.8	22.5	22.9	22.5	22.1	22.1	
337.5	22.3	22.3	22.1	22.1	22.1	22.3	22.3	22.3	

DEPTH:	1810	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	21.4	21.4	21.6	21.8	22.1	22.3	22.1	22.1	
22.5	21.8	21.8	21.6	21.6	21.4	21.4	21.2	21.2	
45.0	21.2	21.4	21.8	22.1	22.1	22.1	22.3	22.3	
67.5	22.7	23.1	22.9	22.7	22.7	22.5	22.3	22.3	
90.0	22.5	22.3	21.8	21.6	21.6	22.1	22.1	22.1	
112.5	22.1	21.8	22.1	21.8	22.1	22.1	21.8	21.8	
135.0	21.6	21.8	22.1	22.3	22.3	22.1	22.1	22.3	
157.5	22.3	21.8	21.2	21.0	20.8	21.0	21.0	21.2	
180.0	21.0	21.2	21.0	21.2	21.4	21.4	21.8	21.8	
202.5	21.6	21.4	21.2	21.0	21.0	20.6	20.6	20.6	
225.0	20.6	20.6	21.2	21.0	20.8	20.6	20.8	20.8	
247.5	21.0	21.2	21.2	21.4	21.4	21.0	21.0	21.0	
270.0	21.2	21.4	21.0	20.8	20.6	20.4	20.4	20.2	
292.5	20.2	20.0	20.0	19.5	19.7	19.7	19.7	19.7	
315.0	20.0	20.0	20.2	20.6	20.6	20.6	20.4	20.6	
337.5	20.6	20.6	21.0	21.0	21.0	21.2	21.2	21.4	

DEPTH:	1812	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	20.0	20.2	21.0	21.2	21.6	21.6	21.8	21.8	
22.5	21.8	21.8	22.1	22.3	22.1	22.3	22.3	22.3	
45.0	21.8	21.4	21.0	21.0	21.2	21.4	21.4	21.6	
67.5	21.6	21.8	22.1	22.1	22.1	22.1	22.1	22.1	
90.0	22.1	22.1	21.6	21.2	20.8	20.2	20.0	19.7	
112.5	20.0	20.0	20.0	20.2	20.2	20.0	20.0	19.7	
135.0	20.0	21.0	21.4	21.4	21.4	21.2	20.8	20.4	
157.5	20.6	20.4	21.8	22.1	22.3	22.3	22.5	22.3	
180.0	21.8	20.6	19.5	18.9	18.7	18.7	19.1	19.1	
202.5	19.1	18.9	19.5	19.5	19.7	19.7	20.0	19.5	
225.0	19.5	19.5	19.5	19.3	19.1	19.1	19.5	19.5	
247.5	19.7	20.0	20.2	20.2	20.2	20.2	20.2	20.2	
270.0	20.0	19.7	19.5	19.1	19.1	19.1	19.1	19.5	
292.5	19.7	19.7	20.2	20.2	20.0	19.3	18.3	17.9	
315.0	17.9	18.1	17.9	18.7	18.9	18.7	18.9	19.1	
337.5	19.3	19.5	20.0	20.2	20.2	20.2	20.0	20.0	

DEPTH:	1814	TILT:	0	RANGE:	49.8	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	18.9	18.9	18.7	18.7	18.9	18.9	19.1	19.3	
22.5	19.3	19.5	19.5	19.5	19.3	19.3	19.1	18.9	
45.0	18.9	18.9	18.5	18.1	18.1	18.3	18.3	18.5	
67.5	18.5	18.7	18.7	18.9	19.1	18.9	19.1	19.1	
90.0	19.1	19.1	19.1	19.3	19.3	19.7	19.7	19.5	
112.5	19.3	18.9	18.9	18.7	18.9	18.5	18.3	17.8	
135.0	17.8	17.8	17.8	17.8	17.8	18.1	18.3	18.5	
157.5	18.9	19.3	19.3	19.3	19.3	19.3	19.1	18.9	
180.0	18.9	18.7	18.5	17.8	18.3	18.7	19.1	19.3	
202.5	19.1	18.9	18.9	18.9	18.9	18.7	18.7	18.7	
225.0	18.3	18.1	17.8	17.6	17.8	18.1	18.1	18.3	
247.5	18.9	18.9	19.1	19.1	19.1	19.1	18.9	19.1	
270.0	19.1	19.3	19.5	19.5	19.3	19.3	19.1	18.9	
292.5	18.9	18.9	18.7	18.5	18.1	17.8	17.8	17.8	
315.0	17.8	18.3	18.5	19.1	18.9	18.7	18.9	19.1	
337.5	19.3	19.5	19.7	19.5	19.3	19.1	19.1	19.1	

DEPTH:	1816	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	16.2	16.2	16.4	16.4	16.4	16.6	16.6	16.6	
22.5	16.2	16.2	16.4	16.4	16.4	16.4	16.4	16.4	
45.0	16.4	16.4	16.4	16.4	16.6	16.6	16.8	16.6	
67.5	16.4	16.2	16.0	15.8	16.0	16.0	16.0	15.8	
90.0	15.8	15.8	16.2	16.2	16.4	16.4	16.4	16.6	
112.5	16.6	16.6	16.6	16.6	16.4	16.4	16.4	16.2	
135.0	16.0	16.0	15.8	15.5	15.3	15.1	15.1	15.8	
157.5	16.6	17.0	16.8	16.8	16.6	16.4	16.2	16.2	
180.0	16.2	16.4	16.4	16.4	16.4	16.4	16.6	16.6	
202.5	16.6	16.8	17.2	17.4	17.2	16.8	16.6	16.4	
225.0	16.4	16.2	16.0	16.0	16.0	16.0	16.0	16.0	
247.5	16.0	16.0	16.2	16.2	16.0	15.8	15.5	15.5	
270.0	15.5	15.3	15.1	15.3	15.3	15.5	15.5	15.5	
292.5	15.5	15.5	15.5	15.5	15.8	15.5	15.8	15.8	
315.0	16.0	16.2	16.2	16.2	16.4	16.8	17.0	17.0	
337.5	17.2	17.2	17.0	17.0	17.0	16.8	16.6	16.4	

DEPTH:	1818	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	21.6	21.8	21.6	21.4	20.8	20.8	21.0	21.0	
22.5	21.0	21.0	21.2	21.4	21.2	21.0	21.4	21.6	
45.0	21.6	21.6	21.6	21.2	21.2	21.0	21.2	21.4	
67.5	21.6	21.4	21.4	21.2	20.8	20.8	20.6	20.6	
90.0	20.6	20.4	20.0	19.7	19.7	19.7	20.0	20.2	
112.5	20.0	19.7	19.7	19.7	19.7	19.5	19.1	18.9	
135.0	18.5	18.1	17.9	17.4	17.0	16.8	16.4	16.0	
157.5	15.5	15.8	15.8	16.2	16.4	16.4	16.4	16.4	
180.0	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.2	
202.5	16.4	16.6	16.6	16.6	16.8	16.4	16.2	16.0	
225.0	16.0	16.0	16.0	15.5	15.3	15.5	15.3	15.5	
247.5	15.5	15.5	15.5	15.8	15.8	16.0	16.2	16.0	
270.0	16.0	16.0	16.0	16.2	16.0	16.0	15.8	15.5	
292.5	15.8	16.0	16.2	16.6	16.8	16.6	16.6	16.6	
315.0	16.6	16.4	18.3	20.8	20.8	21.0	20.8	20.8	
337.5	20.8	21.2	21.4	21.6	21.6	21.6	21.8	21.6	

DEPTH:	1820	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	24.4	24.2	24.2	24.6	24.6	23.7	23.7	23.9	
22.5	24.8	25.6	25.8	25.8	25.6	25.0	24.6	23.9	
45.0	23.9	24.2	23.9	24.2	23.7	23.7	23.7	23.7	
67.5	23.3	22.5	21.8	21.8	21.6	21.6	21.6	22.1	
90.0	22.5	22.9	22.9	22.5	22.3	22.3	22.1	21.6	
112.5	21.6	21.8	21.8	21.8	21.6	21.4	21.4	21.0	
135.0	21.0	20.8	20.8	21.0	21.2	21.2	21.4	21.6	
157.5	21.6	21.8	21.8	21.4	21.6	21.6	21.4	21.4	
180.0	21.4	21.6	21.8	21.6	21.8	21.6	21.6	21.4	
202.5	21.4	21.4	21.4	21.6	21.8	22.1	22.1	22.1	
225.0	22.1	22.1	21.8	21.6	21.6	21.4	21.4	21.4	
247.5	21.6	21.8	22.7	23.1	23.3	23.7	23.9	24.2	
270.0	24.4	24.4	24.4	24.2	24.2	23.9	23.7	23.7	
292.5	23.9	23.9	24.2	23.9	23.9	23.7	23.7	23.7	
315.0	23.7	24.2	24.8	25.4	25.0	25.0	24.6	24.4	
337.5	24.2	24.2	24.2	24.4	24.4	25.0	24.8	24.6	

DEPTH:	1822	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	28.1	28.1	28.1	28.1	28.4	28.6	29.0	29.2	
22.5	29.2	29.2	29.4	29.4	29.4	29.0	28.6	28.1	
45.0	27.5	27.5	27.7	27.5	27.5	27.9	27.9	27.7	
67.5	27.7	27.5	27.5	27.7	27.9	27.7	27.7	27.9	
90.0	27.9	27.9	27.9	27.7	27.7	27.7	27.9	27.7	
112.5	27.3	27.1	26.9	26.7	26.7	26.7	26.9	26.9	
135.0	26.9	26.9	27.1	27.1	26.9	26.7	26.5	26.7	
157.5	26.7	26.7	26.9	27.1	27.1	27.1	27.5	27.7	
180.0	27.7	27.9	27.9	28.1	28.1	27.5	27.3	27.1	
202.5	27.1	26.9	26.7	26.9	27.1	27.3	27.7	27.9	
225.0	28.1	27.9	27.9	27.9	27.7	27.5	27.5	27.1	
247.5	26.9	26.9	27.3	27.5	27.5	27.3	28.1	28.1	
270.0	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.1	
292.5	28.1	28.1	28.1	28.1	27.9	27.7	28.1	28.4	
315.0	28.6	28.1	28.1	27.9	28.1	28.1	27.9	28.1	
337.5	27.9	28.1	28.1	27.9	27.9	28.1	28.1	27.9	

DEPTH:	1824	TILT:	0	RANGE:	49.8	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	28.6	28.6	28.4	28.4	28.6	29.0	29.0	29.0	
22.5	28.8	28.8	28.8	28.8	28.8	28.6	28.4	27.7	
45.0	27.3	27.3	27.7	27.9	28.4	28.8	28.8	28.6	
67.5	28.1	27.9	27.9	28.1	27.7	27.5	27.7	27.7	
90.0	27.7	27.5	27.5	27.3	27.1	27.3	27.1	27.3	
112.5	27.1	27.3	27.3	27.5	27.7	27.9	27.5	27.5	
135.0	27.3	27.1	27.1	26.9	26.9	26.9	26.7	26.7	
157.5	27.1	27.1	26.9	26.9	26.9	26.7	26.9	26.9	
180.0	27.1	27.3	27.1	26.9	26.7	26.7	26.7	27.1	
202.5	27.5	27.5	27.7	27.9	27.9	27.7	27.5	27.3	
225.0	27.3	27.1	26.7	27.1	27.5	27.5	27.5	27.7	
247.5	27.7	27.5	27.5	27.5	27.5	27.5	27.5	27.7	
270.0	27.9	28.4	28.6	28.4	28.4	28.1	28.1	28.6	
292.5	28.6	28.6	28.8	28.4	28.4	28.1	28.6	28.1	
315.0	27.9	27.7	27.5	27.3	27.7	27.7	27.3	27.5	
337.5	27.7	27.9	27.9	27.9	27.9	28.1	28.4	28.6	

DEPTH:	1826	TILT:	0	RANGE:	64.7	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	28.4	28.4	28.1	28.1	28.4	27.9	27.9	27.9	
22.5	27.9	27.3	27.0	27.3	27.6	27.6	27.9	27.9	
45.0	28.1	28.1	28.4	28.1	28.4	28.4	28.4	28.4	
67.5	28.1	28.1	27.9	27.9	28.1	27.9	27.6	27.6	
90.0	27.3	27.0	27.0	27.0	27.0	27.0	26.8	27.0	
112.5	26.8	26.8	26.5	26.2	25.9	25.9	25.9	25.9	
135.0	26.2	25.9	25.9	26.2	25.9	25.9	26.2	25.9	
157.5	25.9	26.2	25.9	25.9	26.2	25.9	25.9	26.2	
180.0	25.9	25.9	26.2	26.2	26.5	27.3	27.6	27.9	
202.5	27.9	27.9	27.6	27.3	27.0	26.8	26.5	26.5	
225.0	26.5	26.5	26.8	26.8	27.0	27.3	27.6	27.6	
247.5	27.6	27.6	27.9	27.6	27.3	27.3	26.8	26.5	
270.0	26.5	26.5	26.5	26.5	26.8	27.3	27.3	27.6	
292.5	27.6	27.6	27.3	27.3	27.3	27.3	27.0	26.8	
315.0	26.8	26.8	26.5	26.5	26.5	26.5	26.8	26.8	
337.5	26.5	26.8	27.3	27.0	27.3	27.9	27.9	28.4	

DEPTH:	1828	TILT:	0	RANGE:	64.7	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	30.6	30.3	30.6	30.9	30.6	30.6	30.9	30.6	
22.5	30.6	30.6	30.6	29.8	29.5	28.9	28.4	27.9	
45.0	27.6	27.6	27.3	27.6	27.0	27.0	26.8	27.0	
67.5	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.8	
90.0	26.5	26.5	26.2	26.2	25.9	25.9	25.7	25.7	
112.5	26.2	26.8	27.3	27.6	27.6	27.6	26.8	26.2	
135.0	26.2	25.9	25.7	25.7	25.9	25.7	25.9	26.2	
157.5	26.2	25.9	25.9	25.9	26.2	26.2	26.5	26.2	
180.0	26.5	26.5	26.2	26.2	26.2	25.9	25.7	25.4	
202.5	25.9	25.7	25.7	25.9	25.9	25.7	25.7	25.7	
225.0	25.7	25.4	25.4	25.4	25.7	25.7	25.9	25.9	
247.5	26.2	26.5	26.5	26.2	26.2	26.2	26.2	26.5	
270.0	27.6	28.1	28.4	28.9	29.2	29.2	29.5	29.8	
292.5	29.8	29.5	29.5	29.5	29.8	30.0	29.8	30.0	
315.0	29.8	29.8	30.0	30.3	30.3	30.0	29.8	29.8	
337.5	30.3	30.3	30.3	30.6	30.6	30.6	30.3	30.6	

DEPTH:	1830	TILT:	0	RANGE:	64.7	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	33.0	33.3	33.6	33.6	33.6	33.6	33.3	33.0	
22.5	32.8	31.9	30.9	29.5	27.9	27.0	26.5	26.2	
45.0	25.9	25.7	25.4	25.1	24.8	24.8	24.8	24.6	
67.5	24.6	24.8	25.1	25.4	25.1	24.8	24.6	24.6	
90.0	24.6	24.6	24.6	25.1	25.9	26.2	26.8	27.0	
112.5	26.8	26.2	26.5	26.2	26.5	26.5	26.8	27.3	
135.0	27.3	27.6	27.9	28.1	28.1	27.9	28.1	28.1	
157.5	28.4	28.4	28.4	28.1	27.9	27.9	28.1	28.7	
180.0	29.2	29.8	29.2	28.9	29.2	29.5	29.2	29.2	
202.5	28.9	28.7	28.7	28.7	28.4	28.1	27.9	27.6	
225.0	27.3	27.0	26.8	26.8	26.5	25.7	25.1	24.6	
247.5	24.8	24.6	24.6	24.3	24.3	24.0	24.3	24.3	
270.0	24.3	24.3	24.6	24.3	24.3	24.6	24.6	24.6	
292.5	24.8	25.1	25.7	25.9	25.9	25.7	25.4	25.4	
315.0	25.4	26.2	26.5	26.8	26.8	26.2	26.8	27.0	
337.5	27.3	27.9	28.4	29.5	30.3	31.4	31.9	32.5	

DEPTH:	1832	TILT:	0	RANGE:	64.7	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	29.5	29.2	28.7	28.9	28.9	28.9	28.9	28.9	
22.5	28.9	28.7	28.7	28.7	28.7	28.7	28.7	28.9	
45.0	29.2	29.2	29.2	29.5	29.5	29.5	29.2	29.2	
67.5	29.2	29.2	29.2	29.2	28.9	28.7	28.7	28.4	
90.0	28.4	28.4	28.9	29.2	28.9	28.9	29.2	29.5	
112.5	29.8	29.8	29.8	29.5	29.5	29.5	29.8	29.8	
135.0	30.0	30.3	30.0	29.5	29.5	29.5	29.5	29.5	
157.5	29.5	29.5	29.8	29.5	29.8	29.8	29.8	29.8	
180.0	29.8	29.8	29.5	29.2	28.9	28.9	28.9	29.2	
202.5	29.2	30.0	30.3	30.3	30.6	30.6	30.3	30.3	
225.0	30.3	30.3	30.0	29.5	28.9	29.2	29.2	29.5	
247.5	29.5	29.5	29.2	28.9	28.7	28.9	28.7	28.9	
270.0	28.9	28.7	28.9	28.7	28.4	28.9	28.7	28.7	
292.5	28.7	28.9	28.9	29.2	29.2	28.9	28.9	28.4	
315.0	28.4	28.4	28.7	28.9	29.2	29.2	29.5	29.5	
337.5	29.8	29.5	29.5	29.5	29.5	29.5	29.8	29.5	

DEPTH:	1834	TILT:	0	RANGE:	64.7	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	21.3	21.6	21.6	21.6	21.6	21.8	21.8	22.1	
22.5	23.5	24.9	25.7	26.5	27.3	27.6	27.9	27.9	
45.0	28.1	28.1	27.9	27.6	27.3	26.8	26.8	26.8	
67.5	27.0	27.3	27.9	27.9	27.9	27.6	27.6	27.6	
90.0	27.3	27.0	27.0	27.3	27.6	27.6	27.9	27.9	
112.5	27.9	28.1	28.1	27.9	27.0	26.5	26.5	26.2	
135.0	26.8	27.0	27.3	27.9	28.4	27.9	27.6	27.6	
157.5	27.6	27.3	27.0	27.0	26.8	26.8	26.8	27.3	
180.0	28.1	28.9	29.2	29.5	29.5	29.5	29.2	29.2	
202.5	28.9	28.7	28.4	28.1	27.9	27.3	26.8	26.5	
225.0	26.5	26.5	26.5	26.2	25.7	25.1	24.9	24.6	
247.5	24.3	24.0	24.0	23.8	24.6	26.5	28.7	28.9	
270.0	28.9	29.2	28.9	28.7	28.4	27.9	27.9	27.9	
292.5	28.1	28.4	28.4	27.9	27.3	26.8	25.7	24.6	
315.0	24.3	23.8	23.5	23.5	23.5	23.5	23.2	23.2	
337.5	23.2	22.7	22.7	22.4	22.1	21.8	21.3	21.3	

DEPTH:	1836	TILT:	0	RANGE:	64.7	VOS:	6005		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	18.0	17.7	18.3	18.3	18.0	17.5	16.9	16.7	
22.5	16.7	16.7	16.9	16.9	16.9	17.2	17.5	18.0	
45.0	18.3	18.3	18.0	17.7	17.5	17.2	17.2	17.2	
67.5	17.7	18.0	18.6	18.8	18.8	19.1	18.8	18.8	
90.0	18.8	18.6	18.3	17.7	17.5	17.5	17.5	17.5	
112.5	17.5	17.2	17.2	17.2	17.5	17.2	17.2	17.2	
135.0	17.5	17.5	17.5	17.5	17.5	17.2	16.9	16.9	
157.5	16.7	16.4	16.1	16.1	16.1	16.1	16.1	16.4	
180.0	16.4	17.2	18.0	18.3	18.6	18.6	18.3	18.3	
202.5	18.0	18.0	17.7	17.5	17.5	17.5	17.5	17.2	
225.0	17.2	17.5	16.9	16.7	16.7	16.4	16.1	16.1	
247.5	16.1	15.8	16.1	16.9	17.5	17.7	17.5	17.2	
270.0	16.9	16.9	16.7	16.7	16.7	16.7	16.9	16.9	
292.5	17.2	17.2	17.5	17.7	18.0	18.3	18.6	19.1	
315.0	18.8	18.8	18.8	18.6	18.0	18.0	18.3	18.0	
337.5	18.0	17.7	18.0	18.0	18.0	18.3	18.0	18.0	

DEPTH:	1838	TILT:	0	RANGE:	64.7	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	13.1	13.1	13.1	13.1	13.1	13.1	13.4	13.7	
22.5	13.7	13.4	13.4	13.4	13.1	13.1	13.4	13.1	
45.0	13.4	13.4	13.7	13.7	13.7	13.7	13.7	13.7	
67.5	13.9	14.5	14.7	15.0	16.1	16.7	16.9	16.9	
90.0	16.9	16.9	17.2	16.9	16.9	16.9	16.9	17.2	
112.5	17.5	16.9	16.4	15.8	15.3	15.0	14.7	14.7	
135.0	14.5	14.5	14.2	14.2	13.9	13.9	13.7	13.7	
157.5	13.9	14.2	14.2	14.2	14.2	13.9	13.9	13.9	
180.0	13.9	13.9	14.2	14.2	14.2	13.9	13.7	13.4	
202.5	13.4	13.4	13.4	13.7	13.9	14.2	14.2	14.7	
225.0	15.0	15.3	15.3	15.0	14.7	14.5	14.7	14.5	
247.5	14.5	14.5	14.7	14.5	14.7	15.0	15.0	14.5	
270.0	14.5	14.5	14.5	14.2	14.2	14.5	14.5	14.5	
292.5	14.7	14.7	14.7	14.7	14.5	13.9	13.9	13.9	
315.0	13.9	13.9	13.7	13.7	13.4	13.7	13.9	14.2	
337.5	14.2	13.9	13.7	13.4	13.4	13.1	13.1	13.4	

DEPTH:	1840	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	
22.5	1.8	1.6	1.4	1.4	1.4	1.4	1.5	1.4	
45.0	1.4	1.4	1.3	1.4	1.3	1.3	1.2	1.2	
67.5	1.3	1.2	1.0	1.3	1.3	1.2	1.2	1.3	
90.0	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	
112.5	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.7	
135.0	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.6	
157.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	
180.0	1.4	1.4	1.5	1.4	1.3	1.3	1.4	1.4	
202.5	1.3	1.3	1.3	1.5	1.5	1.5	1.3	1.5	
225.0	1.5	1.3	1.5	1.4	1.3	1.3	1.4	1.4	
247.5	1.4	1.4	1.5	1.4	1.6	1.6	1.6	1.6	
270.0	1.6	1.6	1.7	1.8	1.8	1.8	1.8	1.9	
292.5	1.8	1.8	1.8	1.9	1.9	2.0	2.0	1.9	
315.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	
337.5	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	

DEPTH:	1842	TILT:	0	RANGE:	24.9	VOS:	6006		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	
22.5	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9	
45.0	1.9	1.9	1.8	1.9	1.8	1.6	1.8	1.7	
67.5	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5	
90.0	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	
112.5	1.6	1.7	1.7	1.8	1.5	1.6	1.7	1.7	
135.0	1.9	2.0	1.9	1.9	1.9	1.8	1.8	1.7	
157.5	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	
180.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	
202.5	1.6	1.6	1.6	1.5	1.6	1.5	1.5	1.4	
225.0	1.5	1.5	1.6	1.6	1.6	1.5	1.6	1.5	
247.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.6	
270.0	1.6	1.6	1.7	1.8	1.8	1.8	1.8	1.9	
292.5	1.9	1.8	1.9	2.0	1.9	2.1	2.2	2.1	
315.0	2.1	2.0	2.1	2.0	1.9	1.9	1.9	1.9	
337.5	1.9	1.8	2.0	1.9	1.9	2.0	2.0	1.9	

DEPTH:	1926	TILT:	89	RANGE:	199.1	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	84.0	84.0	84.0	83.2	83.2	83.2	84.0	84.9	
22.5	84.9	84.0	84.0	84.9	84.9	84.9	84.9	84.0	
45.0	84.9	84.9	84.9	84.9	84.9	85.7	84.9	84.9	
67.5	84.0	85.7	85.7	84.9	84.9	84.9	84.9	84.9	
90.0	84.9	85.7	85.7	85.7	85.7	85.7	84.9	85.7	
112.5	84.0	84.0	82.3	82.3	82.3	84.0	84.0	82.3	
135.0	84.0	82.3	81.5	84.9	84.9	84.0	84.0	84.9	
157.5	84.0	82.3	82.3	84.0	84.9	84.0	84.9	84.0	
180.0	84.9	84.9	82.3	84.9	84.0	84.0	84.0	84.9	
202.5	84.0	84.9	84.0	83.2	84.0	83.2	84.0	84.0	
225.0	84.0	84.9	84.9	85.7	85.7	85.7	84.9	84.0	
247.5	84.9	84.9	84.9	84.9	84.0	84.0	85.7	85.7	
270.0	85.7	85.7	85.7	84.9	84.9	84.9	84.9	84.9	
292.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
315.0	84.0	83.2	83.2	83.2	84.0	83.2	83.2	83.2	
337.5	83.2	83.2	84.0	84.9	84.0	84.0	84.0	83.2	

DEPTH:	1926	TILT:	87	RANGE:	199.1	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	84.0	84.0	84.0	83.2	83.2	84.0	83.2	83.2	
22.5	83.2	82.3	82.3	83.2	83.2	82.3	82.3	82.3	
45.0	82.3	84.9	84.9	84.9	84.0	84.0	84.0	84.0	
67.5	84.9	84.9	84.9	84.9	84.0	84.0	84.0	84.0	
90.0	84.0	84.0	84.0	84.9	84.0	84.0	83.2	82.3	
112.5	84.0	84.0	82.3	82.3	82.3	84.0	84.0	82.3	
135.0	84.0	82.3	81.5	84.9	84.9	84.0	84.0	84.9	
157.5	84.0	82.3	82.3	84.0	84.9	84.0	84.9	84.0	
180.0	84.9	84.9	82.3	84.9	84.0	84.0	84.0	84.9	
202.5	84.0	84.0	82.3	84.0	84.9	86.5	87.4	87.4	
225.0	86.5	86.5	85.7	84.9	84.9	84.9	84.9	84.0	
247.5	83.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
270.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
292.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
315.0	84.0	84.0	84.0	84.0	83.2	83.2	82.3	83.2	
337.5	83.2	84.0	82.3	83.2	84.9	84.0	82.3	83.2	

DEPTH:	1926	TILT:	84	RANGE:	199.1	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	83.2	83.2	83.2	85.7	83.2	84.9	84.9	84.0	
22.5	83.2	83.2	83.2	83.2	83.2	84.9	85.7	84.9	
45.0	83.2	84.9	83.2	84.9	84.9	84.9	85.7	85.7	
67.5	86.5	86.5	86.5	85.7	85.7	85.7	86.5	85.7	
90.0	85.7	85.7	85.7	86.5	86.5	86.5	86.5	86.5	
112.5	86.5	87.4	86.5	85.7	84.9	85.7	85.7	84.9	
135.0	82.3	84.9	83.2	83.2	84.9	83.2	84.9	83.2	
157.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	
180.0	85.7	84.9	84.9	84.9	83.2	84.9	84.9	83.2	
202.5	84.0	84.0	84.9	84.9	84.0	84.0	84.9	84.9	
225.0	84.9	84.9	84.9	84.9	84.9	84.9	85.7	84.9	
247.5	84.9	85.7	84.9	84.9	85.7	85.7	85.7	85.7	
270.0	85.7	86.5	85.7	85.7	86.5	86.5	86.5	86.5	
292.5	87.4	87.4	87.4	86.5	85.7	84.0	83.2	83.2	
315.0	82.3	83.2	84.0	83.2	83.2	83.2	83.2	83.2	
337.5	83.2	83.2	84.0	83.2	84.0	83.2	84.9	83.2	

DEPTH:	1926	TILT:	81	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	83.2	83.2	84.4	85.1	85.1	83.8	83.2	83.2	
22.5	84.4	83.8	85.1	83.8	83.2	85.1	83.2	85.1	
45.0	83.2	83.8	83.8	83.8	84.4	83.8	85.7	86.3	
67.5	86.3	85.7	86.3	86.3	86.3	86.3	85.7	85.7	
90.0	85.7	85.7	85.7	85.7	85.1	84.4	84.4	84.4	
112.5	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
135.0	83.8	83.8	83.8	84.4	83.8	83.8	84.4	83.8	
157.5	84.4	84.4	83.8	85.1	83.8	83.8	83.8	83.8	
180.0	84.4	84.4	84.4	83.8	84.4	84.4	84.4	85.1	
202.5	84.4	84.4	84.4	85.7	86.3	85.7	86.3	86.3	
225.0	86.3	85.7	85.7	85.1	85.7	85.7	86.3	87.0	
247.5	87.0	87.0	87.0	87.0	87.6	87.6	87.0	87.0	
270.0	87.0	87.0	87.0	85.1	84.4	85.1	85.7	86.3	
292.5	85.7	85.7	87.6	87.6	87.0	86.3	85.7	84.4	
315.0	83.8	83.8	83.8	84.4	85.1	85.1	84.4	84.4	
337.5	85.1	85.1	83.8	83.8	84.4	83.8	83.8	84.4	

DEPTH:	1926	TILT:	78	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	87.6	87.0	87.0	86.3	84.4	85.1	85.1	85.1	
22.5	85.1	85.1	85.1	85.1	85.1	84.4	84.4	85.1	
45.0	85.1	84.4	85.7	84.4	84.4	84.4	85.1	84.4	
67.5	84.4	85.1	84.4	85.1	85.1	84.4	84.4	84.4	
90.0	84.4	84.4	84.4	84.4	87.0	87.0	87.6	87.6	
112.5	88.9	88.2	88.2	87.6	88.2	88.2	87.6	87.6	
135.0	87.6	85.7	85.7	85.7	85.1	85.1	85.1	85.1	
157.5	85.1	85.1	85.1	84.4	85.7	85.7	85.1	85.1	
180.0	85.1	85.7	85.1	85.1	85.1	85.1	85.1	85.7	
202.5	85.1	85.7	85.7	85.1	85.7	85.7	85.7	85.7	
225.0	86.3	86.3	85.7	85.7	85.1	85.1	86.3	86.3	
247.5	86.3	87.0	86.3	85.7	85.7	85.1	84.4	85.1	
270.0	84.4	85.1	87.0	85.7	87.0	85.7	87.0	85.7	
292.5	85.7	87.0	86.3	86.3	85.1	85.1	85.7	87.0	
315.0	87.0	88.2	88.9	87.0	87.0	87.0	88.2	88.2	
337.5	89.5	89.5	90.7	91.4	89.5	88.2	87.6	87.0	

DEPTH:	1926	TILT:	75	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	87.6	87.0	86.3	86.3	87.0	86.3	86.3	85.7	
22.5	85.7	85.1	85.7	86.3	86.3	86.3	86.3	85.7	
45.0	85.7	85.1	85.7	85.7	85.7	85.1	85.7	85.7	
67.5	87.6	86.3	85.7	86.3	87.6	86.3	85.7	86.3	
90.0	86.3	86.3	85.7	86.3	87.0	87.6	88.2	87.6	
112.5	88.9	88.9	88.9	88.9	88.2	87.0	87.0	86.3	
135.0	86.3	86.3	85.7	86.3	87.0	87.0	86.3	87.0	
157.5	86.3	86.3	85.7	87.0	87.0	87.0	86.3	86.3	
180.0	86.3	86.3	87.0	86.3	86.3	86.3	86.3	86.3	
202.5	87.0	86.3	87.0	87.0	87.0	87.0	87.0	87.0	
225.0	86.3	87.0	88.2	92.0	93.9	93.3	92.6	90.7	
247.5	88.9	88.9	88.9	88.9	88.2	87.0	86.3	86.3	
270.0	87.0	85.7	86.3	87.0	86.3	87.0	87.0	87.0	
292.5	87.0	86.3	86.3	86.3	86.3	86.3	86.3	87.6	
315.0	87.6	86.3	86.3	87.6	87.0	88.2	91.4	91.4	
337.5	91.4	90.1	90.1	91.4	91.4	90.7	89.5	88.2	

DEPTH:	1926	TILT:	72	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	89.5	88.2	87.6	87.6	87.0	87.6	87.6	87.6	
22.5	87.6	88.2	88.2	87.6	87.0	87.6	87.0	87.6	
45.0	87.0	87.0	87.0	87.6	87.0	87.0	87.6	87.6	
67.5	87.6	88.2	87.6	88.2	88.2	88.2	88.9	88.9	
90.0	87.6	88.2	93.9	94.5	97.0	96.4	95.8	95.8	
112.5	95.8	95.8	95.8	95.8	88.9	88.9	88.2	88.9	
135.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	87.6	
157.5	87.6	87.6	87.6	88.2	87.6	88.2	88.2	87.6	
180.0	87.6	87.6	88.2	88.2	88.2	88.2	88.2	88.9	
202.5	87.6	88.9	88.2	88.2	88.9	88.2	88.9	88.9	
225.0	88.2	88.9	88.2	88.2	87.6	87.6	88.9	88.9	
247.5	88.2	88.2	88.9	88.2	87.6	87.6	88.9	87.6	
270.0	87.6	88.2	88.2	88.2	88.2	87.6	88.2	87.6	
292.5	87.0	87.6	88.2	88.2	88.2	88.2	88.2	87.6	
315.0	87.6	87.0	87.6	88.2	87.6	88.2	88.2	91.4	
337.5	92.0	92.0	90.7	90.7	90.7	90.7	90.7	90.1	

DEPTH:	1926	TILT:	69	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	90.1	90.1	90.1	88.9	89.5	89.5	88.9	88.2	
22.5	88.9	88.9	88.9	88.9	88.2	88.9	89.5	88.9	
45.0	88.9	88.9	89.5	89.5	88.9	89.5	88.9	89.5	
67.5	90.1	89.5	89.5	89.5	90.1	90.1	89.5	90.7	
90.0	89.5	90.7	90.7	92.6	93.3	95.2	93.9	94.5	
112.5	94.5	93.3	90.7	90.1	89.5	89.5	89.5	90.1	
135.0	90.1	90.1	89.5	89.5	90.1	90.1	90.1	88.9	
157.5	90.1	88.9	89.5	89.5	89.5	89.5	88.2	88.2	
180.0	88.2	88.9	88.9	88.9	89.5	89.5	89.5	90.1	
202.5	89.5	89.5	90.1	90.7	89.5	90.1	89.5	89.5	
225.0	89.5	89.5	89.5	88.9	88.9	87.6	88.2	87.6	
247.5	87.0	88.2	88.2	88.2	88.2	87.6	88.9	88.2	
270.0	88.2	88.2	88.9	88.9	88.2	89.5	88.2	88.9	
292.5	87.6	87.6	88.9	88.2	88.9	88.2	89.5	89.5	
315.0	88.9	90.1	90.7	89.5	90.1	89.5	88.9	89.5	
337.5	90.1	90.1	89.5	89.5	89.5	90.7	90.1	90.1	

DEPTH:	1926	TILT:	66	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	87.6	86.3	87.6	87.6	85.1	85.1	85.1	85.1	
22.5	84.4	84.4	86.3	87.0	85.7	86.3	86.3	88.2	
45.0	87.6	88.2	89.5	87.0	88.2	88.2	88.9	88.2	
67.5	88.9	88.9	88.2	88.2	88.2	88.9	92.0	91.4	
90.0	92.0	93.3	93.3	93.9	93.3	93.3	93.3	92.6	
112.5	92.0	91.4	90.1	88.9	87.6	86.3	87.0	87.0	
135.0	87.0	86.3	87.0	87.6	88.9	87.0	87.0	85.7	
157.5	85.7	86.3	87.6	87.6	87.0	87.0	86.3	87.0	
180.0	87.0	85.1	88.2	88.9	89.5	90.1	91.4	91.4	
202.5	92.0	91.4	91.4	92.0	92.0	92.0	92.0	92.0	
225.0	91.4	91.4	90.7	88.9	90.1	90.1	83.2	83.8	
247.5	83.2	83.2	83.2	83.8	85.7	85.1	85.7	85.1	
270.0	84.4	83.8	84.4	85.7	85.7	86.3	85.7	85.1	
292.5	86.3	85.7	83.8	85.7	85.1	86.3	85.7	86.3	
315.0	86.3	87.0	89.5	90.1	90.7	92.0	92.0	92.6	
337.5	90.7	90.7	92.0	91.4	91.4	91.4	89.5	88.9	

DEPTH:	1926	TILT:	63	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	84.4	82.6	80.7	80.7	80.7	80.0	79.4	79.4	
22.5	80.7	80.7	80.7	81.3	79.4	80.0	81.9	81.3	
45.0	82.6	80.7	80.0	81.9	81.3	81.9	81.3	82.6	
67.5	83.2	83.8	83.8	86.3	87.0	89.5	91.4	92.0	
90.0	92.0	93.3	93.3	93.9	93.3	93.3	93.3	92.6	
112.5	92.0	91.4	90.1	88.9	87.0	87.0	85.7	85.7	
135.0	83.8	85.1	85.1	85.1	83.8	83.8	83.8	84.4	
157.5	83.8	83.8	83.2	83.2	83.2	83.2	83.2	83.2	
180.0	83.2	84.4	87.0	88.9	89.5	90.1	90.7	90.7	
202.5	90.7	92.0	92.0	92.0	93.3	93.3	92.6	92.6	
225.0	92.6	90.1	90.1	89.5	88.9	83.2	80.0	80.0	
247.5	79.4	80.0	79.4	79.4	78.8	79.4	79.4	78.8	
270.0	80.0	80.0	80.0	80.0	79.4	80.0	80.7	80.0	
292.5	80.7	81.9	82.6	83.2	81.9	81.3	82.6	81.3	
315.0	87.0	87.6	88.2	88.2	88.9	90.1	90.1	92.0	
337.5	92.0	90.7	91.4	90.7	90.1	89.5	88.2	87.6	

DEPTH:	1926	TILT:	60	RANGE:	149.3	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	81.9	81.9	79.4	78.8	78.1	78.1	78.1	77.5	
22.5	78.1	77.5	78.1	78.1	76.9	78.1	76.9	77.5	
45.0	77.5	77.5	78.1	77.5	77.5	77.5	76.9	78.8	
67.5	78.1	79.4	79.4	80.0	81.9	80.7	80.7	81.3	
90.0	81.3	82.5	92.0	92.6	93.3	93.3	94.5	93.3	
112.5	92.0	81.9	81.3	80.7	80.7	81.3	81.3	80.7	
135.0	80.7	81.3	79.4	81.9	80.7	80.7	80.0	80.0	
157.5	80.0	80.0	49.8	49.8	49.8	49.1	49.1	49.8	
180.0	49.8	49.1	49.1	49.1	49.8	47.9	49.1	73.1	
202.5	73.1	74.4	78.1	79.4	80.0	78.1	76.9	75.6	
225.0	73.1	72.5	73.1	74.4	74.4	74.4	72.5	73.7	
247.5	74.4	75.0	75.6	76.2	75.6	75.0	75.0	75.6	
270.0	76.9	77.5	77.5	77.5	77.5	78.1	78.1	78.1	
292.5	78.1	78.1	78.8	79.4	79.4	80.0	80.0	80.7	
315.0	81.3	83.2	85.7	87.0	88.8	89.5	90.7	90.7	
337.5	90.1	89.5	88.8	87.6	86.3	84.4	82.5	82.5	

DEPTH:	1926	TILT:	57	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	82.6	76.9	76.9	76.9	76.9	76.9	76.9	76.3	
22.5	76.3	75.6	75.6	75.0	75.6	75.6	75.6	75.0	
45.0	75.0	75.0	74.4	74.4	74.4	74.4	73.1	73.1	
67.5	74.4	74.4	76.3	76.9	76.9	79.4	80.7	80.7	
90.0	80.7	81.3	84.4	83.8	84.4	85.1	83.2	83.8	
112.5	83.8	83.2	83.2	80.7	80.0	79.4	78.1	78.8	
135.0	78.1	78.1	78.1	78.1	77.5	77.5	77.5	51.7	
157.5	51.7	51.7	51.7	50.4	51.0	50.4	51.7	51.7	
180.0	51.7	51.0	51.0	51.0	50.4	51.0	50.4	61.8	
202.5	74.4	73.7	75.0	75.6	75.6	74.4	74.4	74.4	
225.0	73.7	62.4	63.0	63.0	62.4	61.1	60.5	60.5	
247.5	59.9	50.4	49.8	50.4	50.4	50.4	50.4	50.4	
270.0	50.4	50.4	50.4	50.4	56.7	56.7	57.3	56.1	
292.5	56.1	51.0	51.0	51.0	51.0	51.7	51.7	51.7	
315.0	83.2	83.2	83.2	83.2	82.6	85.7	84.4	84.4	
337.5	83.8	83.8	83.8	84.4	83.8	83.8	83.2	82.6	

DEPTH:	1926	TILT:	54	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	75.0	75.0	75.0	75.0	75.6	75.6	75.6	75.6	
22.5	75.6	75.0	72.5	70.6	70.6	68.1	68.1	68.1	
45.0	68.1	69.3	72.5	71.8	71.2	71.8	71.2	72.5	
67.5	73.7	75.0	75.0	76.3	75.6	76.3	77.5	77.5	
90.0	76.9	76.9	80.7	81.3	79.4	80.0	80.0	80.0	
112.5	80.0	78.8	77.5	76.9	76.3	76.9	76.9	76.9	
135.0	76.3	77.5	78.1	76.9	75.6	77.5	77.5	53.6	
157.5	53.6	53.6	53.6	53.6	53.6	54.2	53.6	52.9	
180.0	52.9	52.9	52.9	52.9	52.3	61.1	61.8	61.8	
202.5	61.8	61.8	62.4	62.4	63.0	62.4	64.9	65.5	
225.0	63.0	62.4	61.8	61.8	59.9	59.9	59.9	59.9	
247.5	51.7	52.9	51.7	51.7	52.3	52.3	51.7	51.7	
270.0	51.7	51.0	51.0	51.7	51.7	52.9	52.3	52.3	
292.5	52.9	52.9	52.3	52.9	52.3	52.9	53.6	53.6	
315.0	54.2	53.6	79.4	80.7	80.7	81.3	85.7	85.7	
337.5	83.2	81.9	81.9	80.7	80.0	79.4	77.5	75.6	

DEPTH:	1926	TILT:	51	RANGE:	149.3	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	66.8	67.4	68.7	67.4	68.7	69.3	69.3	69.3	
22.5	68.7	68.0	68.7	68.7	67.4	67.4	68.7	69.9	
45.0	69.9	69.9	66.2	61.1	60.5	59.9	59.9	59.2	
67.5	58.0	58.6	58.6	68.0	69.3	70.6	78.8	78.8	
90.0	78.8	80.0	79.4	80.0	81.3	80.0	81.3	80.0	
112.5	78.1	77.5	71.2	71.2	71.2	56.1	56.1	55.4	
135.0	55.4	54.8	56.1	56.7	55.4	56.1	55.4	55.4	
157.5	55.4	56.1	54.8	54.2	54.8	55.4	55.4	56.1	
180.0	55.4	54.8	53.6	54.2	54.8	61.7	62.4	63.0	
202.5	63.0	64.3	64.3	63.0	63.6	63.6	63.6	63.0	
225.0	63.0	63.0	62.4	61.7	61.7	61.7	59.9	60.5	
247.5	60.5	54.2	54.8	54.8	54.2	52.9	52.9	54.2	
270.0	54.8	54.2	54.2	54.8	54.2	54.8	55.4	54.8	
292.5	54.8	54.8	54.8	55.4	55.4	54.2	55.4	54.8	
315.0	55.4	54.8	55.4	73.1	70.6	69.3	67.4	66.2	
337.5	64.9	64.9	64.9	64.9	65.5	65.5	65.5	66.2	

DEPTH:	1926	TILT:	48	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	58.0	60.5	63.0	63.6	70.6	69.9	69.9	69.9	
22.5	68.1	68.1	69.3	68.7	68.7	69.9	69.3	69.9	
45.0	69.9	69.9	63.6	61.8	61.1	56.7	57.3	56.7	
67.5	56.7	56.7	56.7	56.7	69.9	70.6	71.2	72.5	
90.0	73.1	75.6	75.6	74.4	73.1	73.1	73.1	73.1	
112.5	72.5	71.8	58.0	58.6	58.0	58.6	58.0	58.0	
135.0	58.6	58.6	58.6	57.3	57.3	58.0	58.0	58.6	
157.5	58.6	58.6	58.6	57.3	58.6	58.0	58.6	57.3	
180.0	57.3	57.3	57.3	57.3	57.3	56.7	57.3	58.0	
202.5	64.9	63.6	64.9	65.5	66.2	65.5	65.5	65.5	
225.0	64.3	58.0	58.0	56.7	57.3	57.3	56.7	56.7	
247.5	57.3	57.3	57.3	56.7	56.1	56.1	56.7	57.3	
270.0	57.3	56.7	56.1	56.1	56.7	58.0	56.7	58.0	
292.5	58.0	57.3	57.3	58.0	58.0	58.6	58.6	59.2	
315.0	58.6	56.1	57.3	57.3	66.2	66.2	66.2	64.9	
337.5	66.2	66.8	64.9	64.3	64.9	58.0	57.3	56.7	

DEPTH:	1926	TILT:	45	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	60.5	59.9	59.9	64.3	64.3	65.5	64.9	66.2	
22.5	65.5	65.5	67.4	68.1	69.9	70.6	69.9	68.1	
45.0	66.2	64.9	61.8	61.1	60.5	59.9	59.9	59.9	
67.5	60.5	61.1	61.1	61.8	63.6	64.3	72.5	73.1	
90.0	73.7	73.7	73.7	73.7	74.4	73.7	61.1	61.1	
112.5	61.1	61.8	61.8	61.1	60.5	61.8	61.1	61.8	
135.0	60.5	61.8	61.8	62.4	61.8	61.8	61.8	61.1	
157.5	61.1	61.8	61.8	61.1	61.8	61.8	61.1	61.1	
180.0	61.1	61.1	60.5	60.5	60.5	59.9	59.9	59.9	
202.5	59.9	60.5	59.9	59.9	59.9	59.9	59.9	59.2	
225.0	59.9	59.9	60.5	59.2	60.5	59.9	59.9	59.9	
247.5	58.6	59.9	59.9	59.9	61.1	61.8	61.1	61.1	
270.0	61.8	61.8	61.8	59.9	59.9	60.5	60.5	60.5	
292.5	60.5	60.5	61.1	61.1	60.5	61.1	61.1	61.1	
315.0	60.5	61.1	59.9	59.2	60.5	60.5	60.5	61.1	
337.5	60.5	59.9	59.9	60.5	60.5	60.5	61.1	60.5	

DEPTH:	1926	TILT:	42	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	63.0	64.9	64.9	64.9	64.3	63.6	64.3	64.3	
22.5	64.9	64.3	66.2	66.2	64.9	64.9	63.0	63.0	
45.0	63.6	63.6	64.9	64.3	65.5	66.2	64.9	63.6	
67.5	63.6	64.3	64.3	64.3	64.3	64.3	64.9	64.9	
90.0	63.6	63.6	64.9	64.9	64.9	64.9	65.5	66.2	
112.5	64.9	63.6	63.0	64.3	64.9	64.9	64.3	64.3	
135.0	65.5	65.5	64.9	65.5	66.2	64.9	66.2	66.8	
157.5	66.8	66.8	66.8	67.4	67.4	66.8	66.2	64.9	
180.0	64.3	64.9	64.9	65.5	65.5	65.5	66.8	66.2	
202.5	66.8	66.2	65.5	66.2	65.5	64.9	64.9	64.9	
225.0	66.2	66.2	65.5	65.5	64.9	65.5	64.9	64.9	
247.5	64.9	64.3	63.6	64.3	63.6	62.4	63.0	64.3	
270.0	63.6	63.0	63.0	63.0	63.6	63.0	63.0	63.6	
292.5	63.0	63.6	64.3	63.6	63.6	63.6	63.0	62.4	
315.0	62.4	64.3	63.6	63.0	63.6	63.6	63.6	64.3	
337.5	64.3	64.9	63.0	63.6	63.6	63.6	63.6	63.6	

DEPTH:	1926	TILT:	39	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	66.8	67.4	67.4	68.1	69.3	69.3	69.3	69.3	
22.5	69.9	69.3	68.7	69.3	69.3	68.7	68.7	68.7	
45.0	68.1	68.1	68.1	67.4	67.4	67.4	67.4	67.4	
67.5	67.4	66.2	66.8	68.1	68.7	68.7	68.1	68.1	
90.0	68.7	69.3	69.9	69.9	69.9	69.3	69.3	69.3	
112.5	68.7	68.1	67.4	67.4	66.8	66.8	66.8	67.4	
135.0	66.8	68.1	68.1	68.1	69.3	68.7	68.1	69.3	
157.5	69.9	69.3	69.3	68.7	69.3	68.7	69.3	69.3	
180.0	69.3	70.6	69.3	69.9	68.7	68.1	67.4	69.9	
202.5	68.1	67.4	68.1	66.8	66.2	66.8	66.2	66.2	
225.0	65.5	65.5	65.5	65.5	64.9	65.5	64.9	64.9	
247.5	64.9	64.3	64.3	66.2	64.9	65.5	66.2	66.8	
270.0	66.8	66.2	66.2	67.4	68.1	68.1	67.4	67.4	
292.5	67.4	68.7	68.1	66.8	66.8	66.8	65.5	64.9	
315.0	64.9	64.9	64.3	63.0	63.6	64.9	64.9	64.9	
337.5	64.9	65.5	64.9	65.5	66.2	66.2	66.8	66.2	

DEPTH:	1926	TILT:	36	RANGE:	149.3	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	69.9	69.9	70.6	71.8	72.5	72.5	72.5	73.7	
22.5	74.4	74.4	75.0	74.4	73.7	73.1	72.5	73.1	
45.0	71.2	68.7	68.0	68.0	66.8	66.8	66.8	66.8	
67.5	66.8	66.2	66.8	68.0	68.7	68.7	69.9	71.2	
90.0	72.5	73.1	73.1	73.7	72.5	72.5	72.5	69.3	
112.5	68.7	68.0	66.8	66.2	64.9	65.5	65.5	66.2	
135.0	66.8	66.2	66.8	67.4	66.8	68.0	70.6	69.9	
157.5	69.9	71.8	72.5	73.7	73.7	74.4	74.4	73.7	
180.0	72.5	68.7	69.3	68.7	67.4	68.0	68.0	69.9	
202.5	68.0	68.0	66.8	66.2	64.9	64.9	64.3	64.9	
225.0	64.3	63.6	63.6	63.6	64.3	64.3	63.6	64.3	
247.5	64.3	64.3	64.3	64.3	64.9	66.2	68.0	68.7	
270.0	69.9	69.9	70.6	71.8	71.8	71.8	71.8	71.8	
292.5	70.6	70.6	71.2	69.9	69.9	68.7	66.8	66.2	
315.0	65.5	64.3	63.0	63.0	63.6	63.6	63.0	63.0	
337.5	63.6	63.6	64.3	64.9	66.2	66.2	68.0	69.9	

DEPTH:	1926	TILT:	33	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	73.1	74.4	72.5	72.5	73.1	75.6	73.7	74.4	
22.5	75.6	76.3	76.3	76.9	77.5	75.0	74.4	69.9	
45.0	69.3	66.8	66.2	66.2	66.8	65.5	65.5	65.5	
67.5	64.9	64.9	65.5	66.2	66.8	66.8	67.4	69.3	
90.0	70.6	72.5	73.1	72.5	71.2	69.9	70.6	68.1	
112.5	67.4	66.2	64.9	64.3	64.3	64.3	63.6	63.0	
135.0	64.9	63.6	64.3	64.9	66.2	67.4	69.9	71.2	
157.5	71.2	71.2	73.1	75.0	75.6	76.3	75.6	75.6	
180.0	75.6	70.6	71.2	69.3	71.8	74.4	73.7	71.8	
202.5	69.9	68.7	66.8	65.5	63.6	63.0	63.0	63.6	
225.0	63.0	62.4	63.0	63.0	63.0	63.0	63.0	63.6	
247.5	64.3	63.6	63.0	64.3	64.3	66.2	67.4	68.7	
270.0	69.3	71.8	71.2	73.1	73.7	75.0	75.0	73.7	
292.5	71.8	71.8	70.6	70.6	69.3	67.4	67.4	64.9	
315.0	63.6	63.0	62.4	61.8	61.8	61.8	62.4	62.4	
337.5	62.4	62.4	63.0	63.6	66.2	67.4	66.2	72.5	

DEPTH:	1926	TILT:	30	RANGE:	149.3	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	74.4	75.0	76.2	76.9	76.9	76.9	76.9	77.5	
22.5	78.1	78.1	78.1	78.1	77.5	74.4	73.1	69.9	
45.0	69.3	66.8	65.5	65.5	64.3	64.9	64.9	64.9	
67.5	65.5	64.9	64.9	64.9	65.5	66.8	66.8	68.7	
90.0	69.3	69.9	70.6	69.3	69.3	68.7	66.8	66.2	
112.5	66.2	64.3	64.3	63.6	63.6	63.0	63.6	63.0	
135.0	62.4	63.0	63.0	63.0	63.6	68.7	68.0	69.9	
157.5	72.5	72.5	73.1	75.6	78.1	77.5	75.6	77.5	
180.0	77.5	78.1	76.2	76.2	75.6	75.0	73.1	70.6	
202.5	69.9	67.4	65.5	64.3	62.4	63.0	62.4	63.0	
225.0	62.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	
247.5	62.4	62.4	62.4	63.0	63.6	64.3	66.2	68.0	
270.0	68.7	69.9	69.9	71.8	73.1	75.0	73.1	72.5	
292.5	72.5	70.6	68.7	68.7	67.4	66.8	65.5	64.3	
315.0	63.6	63.0	61.7	61.7	61.1	62.4	62.4	62.4	
337.5	62.4	62.4	63.0	63.6	66.2	67.4	68.0	71.8	

DEPTH:	1926	TILT:	27	RANGE:	149.3	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	71.2	72.5	74.4	75.6	75.6	76.2	76.2	76.2	
22.5	76.2	76.2	75.6	75.6	73.7	71.8	71.2	67.4	
45.0	66.8	66.2	65.5	64.9	64.9	64.9	65.5	64.9	
67.5	64.9	64.9	65.5	64.9	64.9	65.5	66.8	67.4	
90.0	68.7	69.3	68.0	68.7	67.4	66.8	65.5	64.9	
112.5	63.6	63.0	63.0	63.0	62.4	63.0	63.6	63.6	
135.0	63.0	63.0	63.0	62.4	63.6	64.3	65.5	68.0	
157.5	69.9	71.8	72.5	75.0	76.2	76.2	78.8	77.5	
180.0	76.9	76.2	75.0	75.6	73.1	73.7	71.8	70.6	
202.5	68.7	66.2	64.9	63.6	63.0	62.4	62.4	62.4	
225.0	62.4	61.1	61.1	61.7	62.4	62.4	62.4	62.4	
247.5	63.0	62.4	61.7	60.5	61.7	62.4	63.0	64.9	
270.0	65.5	66.8	68.0	68.7	68.7	70.6	69.3	68.7	
292.5	68.0	67.4	67.4	65.5	64.9	64.3	63.0	61.7	
315.0	62.4	62.4	62.4	63.0	63.0	61.7	61.7	61.7	
337.5	61.7	61.7	63.0	63.6	63.6	66.8	68.0	69.9	

DEPTH:	1926	TILT:	24	RANGE:	149.4	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	69.9	70.6	71.8	72.5	74.4	74.4	74.4	73.7	
22.5	74.4	73.1	75.0	71.8	69.9	69.3	66.2	65.5	
45.0	64.9	64.3	66.2	64.9	64.3	64.3	64.3	63.6	
67.5	63.6	63.6	65.5	65.5	65.5	64.9	66.8	67.4	
90.0	68.7	69.9	68.7	68.7	67.4	64.9	64.3	63.0	
112.5	62.4	61.8	61.1	61.1	61.1	61.8	62.4	62.4	
135.0	61.8	61.8	61.1	61.8	63.6	64.3	65.5	66.2	
157.5	66.8	69.9	70.6	73.1	73.1	73.7	73.7	74.4	
180.0	74.4	74.4	74.4	73.7	72.5	70.6	68.7	68.1	
202.5	64.9	63.0	62.4	62.4	61.8	61.1	61.1	61.1	
225.0	60.5	59.9	60.5	60.5	61.1	61.1	61.8	61.1	
247.5	61.1	61.1	60.5	59.9	60.5	60.5	62.4	63.0	
270.0	63.0	64.9	64.9	66.2	66.8	66.8	66.8	66.8	
292.5	66.8	64.9	64.3	63.0	62.4	61.8	61.1	61.1	
315.0	61.1	61.1	61.1	61.8	61.8	61.1	60.5	59.9	
337.5	62.4	61.1	61.8	63.0	64.9	64.9	66.8	68.1	

DEPTH:	1926	TILT:	21	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	69.3	68.1	68.9	69.7	70.6	73.5	74.4	72.3	
22.5	72.3	71.0	68.9	68.5	68.5	63.4	63.0	62.2	
45.0	61.8	63.9	63.9	63.9	63.9	63.4	63.0	63.0	
67.5	62.6	63.4	63.4	65.1	65.1	66.0	66.4	66.8	
90.0	68.1	68.5	69.3	69.3	68.9	64.7	63.0	62.6	
112.5	61.8	59.7	60.5	60.1	60.5	60.1	60.5	60.9	
135.0	60.5	60.5	61.3	63.4	63.4	65.1	64.3	67.2	
157.5	67.2	68.5	67.6	69.7	69.3	69.3	72.7	72.3	
180.0	71.4	69.3	68.9	66.0	66.4	66.4	67.6	63.0	
202.5	62.2	60.9	60.9	60.5	60.1	60.5	59.7	60.5	
225.0	59.7	58.8	58.8	59.7	60.1	60.5	59.7	59.2	
247.5	60.1	59.2	58.8	59.7	59.2	59.7	59.7	60.9	
270.0	60.1	60.9	64.3	64.7	66.8	65.1	65.1	65.1	
292.5	63.4	63.4	63.0	61.8	61.3	61.8	61.3	60.9	
315.0	59.7	60.5	60.5	58.8	58.4	60.1	59.7	59.2	
337.5	59.7	59.2	60.5	63.9	64.7	66.4	66.8	66.8	

DEPTH:	1926	TILT:	18	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	68.1	70.2	70.6	71.0	72.3	71.8	72.3	72.7	
22.5	71.8	71.4	67.6	67.6	65.5	65.1	64.3	62.2	
45.0	62.2	63.0	63.9	63.4	63.4	63.4	63.0	64.3	
67.5	63.0	62.6	64.3	63.9	64.7	64.7	66.8	68.1	
90.0	68.1	68.5	68.5	68.9	67.6	65.1	64.7	63.9	
112.5	60.9	60.9	60.5	60.1	60.1	60.5	60.9	59.7	
135.0	60.1	60.9	60.9	60.9	63.9	65.1	67.2	68.1	
157.5	68.5	68.5	69.3	69.7	68.9	70.2	71.0	71.0	
180.0	71.4	68.9	68.5	67.6	65.1	64.3	61.8	61.3	
202.5	61.8	60.9	59.7	59.7	59.2	59.7	59.2	58.0	
225.0	58.8	59.7	59.7	59.2	58.8	59.7	59.2	58.8	
247.5	59.2	59.2	59.2	58.4	58.4	59.7	59.2	60.1	
270.0	60.5	61.8	61.8	63.4	65.1	65.1	65.5	64.3	
292.5	62.6	63.0	63.0	63.0	62.6	62.6	61.8	60.1	
315.0	60.1	59.2	60.1	60.5	58.4	58.8	58.8	58.4	
337.5	58.8	60.5	61.8	62.2	63.9	65.1	67.2	67.6	

DEPTH:	1926	TILT:	15	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	68.5	71.0	70.6	71.0	70.6	71.4	71.0	71.4	
22.5	70.2	69.7	69.3	68.1	65.1	65.5	63.4	62.6	
45.0	61.3	61.8	62.6	63.0	62.6	62.6	63.0	61.8	
67.5	63.0	62.2	63.4	63.0	65.1	66.0	66.4	67.2	
90.0	68.1	69.3	69.3	68.5	67.6	66.8	65.5	63.9	
112.5	63.4	63.4	62.2	60.5	60.5	58.8	59.7	58.4	
135.0	59.2	59.7	61.8	62.2	64.7	65.1	66.8	68.9	
157.5	68.9	68.9	70.6	70.6	70.6	70.2	71.0	71.0	
180.0	71.0	69.7	68.5	66.8	65.5	62.6	62.6	59.7	
202.5	58.0	58.4	59.2	58.8	58.8	58.8	59.7	59.2	
225.0	58.8	58.8	58.8	58.4	58.8	58.8	59.7	58.4	
247.5	58.0	58.0	58.4	58.0	58.4	58.8	60.5	60.5	
270.0	61.3	62.2	63.0	63.9	63.9	64.3	65.5	64.7	
292.5	64.3	63.4	63.0	63.0	63.4	62.6	61.3	60.5	
315.0	59.7	59.2	58.0	58.0	58.4	58.4	57.6	57.6	
337.5	58.8	58.8	60.1	63.0	64.3	65.1	67.6	68.5	

DEPTH:	1926	TILT:	12	RANGE:	99.5	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	64.3	65.1	65.1	63.4	63.4	62.6	65.1	64.3	
22.5	64.3	63.8	63.0	61.7	60.1	60.1	60.1	60.1	
45.0	57.1	56.7	55.4	57.5	58.8	59.6	60.9	60.5	
67.5	60.9	61.7	62.2	63.4	64.7	65.5	66.4	67.2	
90.0	67.2	68.0	68.0	68.5	68.0	67.2	65.9	65.9	
112.5	63.4	63.8	62.6	60.1	60.1	57.1	57.5	57.1	
135.0	58.0	58.4	60.1	61.3	63.0	63.4	63.4	63.4	
157.5	64.7	64.3	64.3	64.7	64.3	64.3	63.0	62.2	
180.0	60.9	60.5	60.5	58.4	58.4	58.0	55.9	56.7	
202.5	55.4	55.4	56.7	57.5	57.1	57.1	58.4	58.0	
225.0	57.5	57.1	57.1	56.7	56.3	56.7	56.3	56.3	
247.5	56.3	56.7	57.1	55.9	56.7	57.5	58.4	59.6	
270.0	60.5	60.9	60.9	61.3	61.3	61.3	62.2	62.6	
292.5	61.7	61.3	59.6	58.0	57.5	57.1	57.1	56.7	
315.0	56.3	56.3	55.9	56.3	55.9	55.9	56.3	56.3	
337.5	56.3	56.7	57.1	57.5	58.8	60.1	61.7	63.4	

DEPTH:	1926	TILT:	9	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	55.9	55.9	56.3	56.7	57.6	58.4	58.0	57.1	
22.5	57.6	57.1	56.3	55.0	54.6	53.8	53.4	52.5	
45.0	51.3	50.4	50.4	51.7	50.8	50.8	51.3	52.1	
67.5	52.9	54.6	55.5	61.3	62.6	63.4	63.4	62.6	
90.0	63.0	63.4	63.0	65.5	66.4	66.4	66.4	63.4	
112.5	63.0	63.0	62.2	60.9	57.1	56.7	56.7	53.8	
135.0	53.4	53.4	53.4	54.2	54.6	54.6	55.0	55.9	
157.5	56.7	58.0	58.4	58.4	58.4	58.4	58.4	55.9	
180.0	55.5	54.6	54.2	52.5	51.3	51.7	52.1	51.7	
202.5	51.7	52.1	52.5	53.4	53.8	54.6	53.8	51.3	
225.0	52.1	50.8	50.0	50.4	50.8	51.3	51.3	51.3	
247.5	50.4	50.0	49.6	49.6	50.0	50.4	51.3	51.7	
270.0	52.5	52.9	53.4	53.8	54.2	54.6	54.6	55.0	
292.5	54.6	56.3	55.0	53.8	52.9	51.7	51.3	50.4	
315.0	50.0	50.4	50.0	50.4	50.0	50.0	50.4	51.3	
337.5	50.8	50.4	50.8	50.8	50.0	50.8	54.6	54.6	

DEPTH:	1926	TILT:	6	RANGE:	99.5	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	52.1	52.1	52.5	52.1	51.2	50.0	50.4	50.8	
22.5	50.8	51.2	47.5	45.4	44.1	43.7	42.0	42.0	
45.0	42.0	41.6	41.6	44.1	43.7	45.4	46.2	46.6	
67.5	45.8	45.4	47.5	51.7	52.1	54.6	56.3	58.0	
90.0	58.4	58.4	58.4	58.8	56.7	55.9	55.0	53.8	
112.5	53.3	51.2	50.0	49.1	49.1	49.1	48.7	48.3	
135.0	48.3	47.9	47.9	47.5	45.8	47.5	47.9	47.5	
157.5	46.6	45.8	46.6	46.6	47.0	47.5	46.6	47.5	
180.0	48.3	48.3	48.3	47.0	46.6	45.8	46.6	46.2	
202.5	45.8	46.2	46.2	46.2	46.6	47.0	47.0	47.0	
225.0	46.6	47.0	47.0	46.6	46.6	46.6	46.6	46.2	
247.5	46.2	46.2	45.4	45.8	46.6	46.2	47.0	47.0	
270.0	47.9	48.3	48.7	49.1	49.6	50.0	50.8	51.2	
292.5	50.8	50.4	49.6	48.3	47.0	46.6	46.2	45.8	
315.0	45.8	45.4	44.9	45.4	44.9	45.8	44.9	44.9	
337.5	45.4	47.0	47.5	47.5	47.9	50.0	50.4	50.8	

DEPTH:	1926	TILT:	3	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	46.2	46.6	47.1	47.5	47.1	47.5	47.1	44.5	
22.5	44.1	43.7	42.4	41.2	39.5	38.7	38.2	38.2	
45.0	37.4	38.2	38.2	38.2	39.5	40.8	41.6	41.2	
67.5	40.3	40.3	41.2	40.3	42.9	50.4	51.7	52.5	
90.0	52.1	52.5	53.4	53.4	52.5	51.7	51.3	50.0	
112.5	47.9	46.2	45.4	45.0	45.0	45.0	45.0	44.5	
135.0	44.1	44.1	44.1	44.1	44.1	43.7	43.7	43.7	
157.5	43.7	43.3	43.3	42.9	41.6	40.8	41.2	41.2	
180.0	42.9	42.0	42.4	42.9	42.4	40.8	38.2	37.8	
202.5	39.5	41.2	42.0	43.3	43.7	43.7	43.7	43.3	
225.0	42.9	42.4	42.4	42.4	42.4	42.4	42.0	41.6	
247.5	41.6	41.2	41.2	41.2	41.6	43.3	43.7	43.7	
270.0	43.7	43.7	44.5	44.5	45.0	45.4	45.4	45.8	
292.5	45.8	45.8	45.4	44.5	43.7	43.7	43.3	43.3	
315.0	43.3	42.9	43.7	44.5	43.3	42.9	42.4	42.9	
337.5	42.9	42.9	43.3	43.7	43.7	44.1	45.0	45.8	

DEPTH:	1926	TILT:	0	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	43.7	43.7	42.9	42.9	42.9	42.9	42.0	42.4	
22.5	42.4	40.8	38.2	37.8	38.7	37.0	36.1	35.7	
45.0	37.0	37.4	38.7	37.4	37.4	37.4	38.2	37.8	
67.5	39.1	39.9	40.3	39.9	40.3	41.2	49.2	50.4	
90.0	50.8	50.8	50.8	50.8	50.0	48.7	42.4	41.6	
112.5	42.4	43.3	43.3	43.3	42.4	43.7	43.7	44.1	
135.0	44.5	40.8	40.3	37.4	37.8	40.8	41.2	42.4	
157.5	40.3	40.8	41.2	39.5	40.8	40.3	39.5	39.5	
180.0	40.3	39.5	41.2	39.5	40.3	37.4	36.5	36.1	
202.5	37.0	37.4	39.1	39.9	39.9	41.6	41.2	40.8	
225.0	39.9	40.8	39.5	40.3	39.9	39.1	39.1	39.1	
247.5	39.1	39.5	39.5	39.9	39.9	40.3	41.2	36.5	
270.0	35.7	36.1	36.5	36.5	37.4	37.0	37.4	37.8	
292.5	38.2	38.7	40.8	41.2	41.2	40.8	40.8	41.2	
315.0	40.8	40.3	39.9	39.9	39.1	39.1	39.5	39.5	
337.5	39.5	39.9	39.1	39.9	42.0	42.4	43.7	42.9	

DEPTH:	1926	TILT:	-3	RANGE:	99.5	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	39.9	40.7	41.2	41.2	40.7	40.7	39.1	38.2	
22.5	37.4	37.0	36.5	36.1	35.3	35.7	35.7	34.9	
45.0	34.4	34.4	34.4	34.4	34.0	33.6	35.3	35.3	
67.5	36.1	36.5	36.5	37.4	37.4	37.4	38.2	38.6	
90.0	39.5	39.1	39.1	38.6	39.1	39.1	39.1	38.6	
112.5	39.5	39.1	38.6	38.6	37.4	36.5	37.4	37.4	
135.0	37.8	36.1	37.0	37.0	37.0	38.2	38.2	38.2	
157.5	38.2	38.6	38.6	38.2	37.4	37.0	37.0	37.8	
180.0	37.4	37.8	37.4	37.0	37.0	36.5	34.9	35.7	
202.5	34.9	34.0	34.9	35.3	36.1	37.0	37.4	36.5	
225.0	37.8	37.4	36.1	37.4	36.1	37.0	36.1	37.4	
247.5	36.5	35.7	34.9	34.4	35.3	34.4	34.0	33.6	
270.0	34.0	34.0	34.0	33.6	34.0	33.6	33.2	33.2	
292.5	33.6	33.6	33.6	33.6	33.6	33.6	34.0	35.7	
315.0	37.4	37.4	36.5	37.0	37.4	38.2	37.4	37.0	
337.5	37.0	38.6	38.6	37.8	38.2	37.8	37.8	39.5	

DEPTH:	1926	TILT:	-6	RANGE:	99.5	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	36.5	37.4	36.5	36.5	36.1	36.1	32.3	32.3	
22.5	32.8	33.2	32.8	33.2	32.8	31.9	32.8	32.8	
45.0	32.8	32.8	31.9	33.2	33.2	33.6	33.2	32.8	
67.5	33.6	34.9	35.7	34.4	34.9	36.1	35.7	37.0	
90.0	37.4	37.8	38.6	39.1	37.4	36.5	37.0	37.4	
112.5	37.8	37.0	36.1	36.1	35.7	35.7	35.7	33.6	
135.0	33.2	33.2	34.9	34.4	34.4	34.9	34.9	35.3	
157.5	35.7	35.7	36.1	35.3	34.9	34.4	34.4	34.0	
180.0	34.0	33.6	33.2	33.6	33.2	33.6	34.0	34.0	
202.5	33.2	32.3	31.9	31.5	31.5	31.9	31.1	31.5	
225.0	32.3	33.6	34.0	33.6	32.8	32.3	32.8	31.5	
247.5	31.1	32.3	33.2	32.8	31.9	31.1	31.5	31.1	
270.0	31.5	31.5	31.5	31.5	31.9	32.3	32.8	32.8	
292.5	32.3	32.8	31.9	30.2	29.8	30.2	30.7	33.2	
315.0	34.9	35.3	34.9	34.9	35.3	33.2	32.8	33.6	
337.5	34.4	34.4	34.9	34.4	36.5	36.5	36.5	37.0	

DEPTH:	1926	TILT:	-9	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	32.8	32.8	32.8	32.8	31.5	31.1	31.5	31.1	
22.5	31.1	29.4	28.6	29.8	29.8	30.7	31.5	30.2	
45.0	29.8	30.2	29.4	29.4	29.4	29.4	30.7	31.1	
67.5	31.5	31.5	31.9	32.8	33.2	33.2	33.6	33.2	
90.0	33.2	33.2	34.9	34.9	34.9	34.9	34.4	33.6	
112.5	34.0	33.6	34.0	34.0	34.0	32.8	33.2	33.2	
135.0	32.3	31.9	31.9	31.5	31.5	32.8	31.5	30.7	
157.5	30.7	31.1	31.1	31.5	29.8	28.1	28.1	29.4	
180.0	29.8	29.8	30.2	30.2	15.5	16.0	15.5	15.5	
202.5	15.5	15.5	15.5	16.0	15.1	28.6	29.0	29.0	
225.0	29.0	29.4	29.0	29.4	28.1	29.8	30.7	31.1	
247.5	30.7	30.2	30.7	29.8	29.8	29.8	29.4	30.2	
270.0	30.7	30.2	29.8	28.1	29.8	29.4	29.4	27.3	
292.5	28.1	28.1	28.1	28.6	29.4	30.2	30.7	31.5	
315.0	31.9	31.9	32.3	32.8	33.2	33.2	32.8	29.8	
337.5	31.1	31.1	31.1	30.7	30.7	30.7	30.2	32.8	

DEPTH:	1926	TILT:	-12	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	28.1	28.6	28.1	27.7	27.3	27.3	27.3	27.3	
22.5	26.5	24.8	24.8	24.4	24.4	25.6	25.6	25.6	
45.0	26.0	26.0	25.6	25.6	25.2	24.8	25.2	29.0	
67.5	29.8	29.8	30.2	30.2	30.7	30.7	31.5	32.3	
90.0	31.9	31.9	31.9	31.5	30.7	31.5	31.9	31.1	
112.5	31.9	31.9	31.5	31.1	31.1	30.7	30.7	30.2	
135.0	29.4	28.1	28.1	28.1	28.1	27.7	27.7	27.7	
157.5	26.9	26.9	26.9	26.9	26.5	26.5	26.5	26.5	
180.0	26.0	26.0	16.4	15.1	14.7	14.3	14.3	13.9	
202.5	13.9	13.9	13.9	14.7	15.5	15.5	26.5	26.5	
225.0	26.0	26.0	26.0	25.2	25.6	25.6	26.5	26.9	
247.5	26.9	26.9	27.3	27.3	27.3	26.9	26.9	27.3	
270.0	27.3	25.6	26.0	25.2	24.8	23.9	23.9	23.1	
292.5	22.7	22.3	21.8	21.4	17.6	16.4	16.4	16.0	
315.0	15.1	15.5	15.5	15.5	15.5	15.1	15.1	14.7	
337.5	14.3	14.7	14.3	14.3	14.3	14.7	28.1	27.7	

DEPTH:	1926	TILT:	-15	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	14.3	14.3	14.3	14.7	14.7	14.7	14.7	15.1	
22.5	15.5	15.1	15.5	15.5	15.5	16.4	16.8	16.8	
45.0	16.8	16.8	16.8	16.8	16.4	16.8	16.8	16.4	
67.5	16.0	16.8	28.6	29.0	29.0	28.6	29.0	29.4	
90.0	29.0	29.4	29.4	29.0	29.8	30.7	29.4	29.0	
112.5	28.6	29.0	29.8	29.0	28.1	27.7	28.1	27.3	
135.0	26.9	27.3	27.7	26.9	27.3	26.0	26.0	26.0	
157.5	16.4	16.0	15.5	15.5	15.1	15.1	15.1	15.1	
180.0	15.1	14.7	14.7	14.3	14.3	14.3	13.9	13.9	
202.5	13.9	13.4	13.4	13.9	13.9	13.9	13.0	14.7	
225.0	22.3	22.3	23.5	24.8	23.9	23.9	24.4	23.5	
247.5	23.5	23.1	24.8	25.2	24.4	24.4	26.9	26.5	
270.0	24.4	24.8	24.8	23.9	23.1	22.7	22.3	21.0	
292.5	20.2	21.0	20.6	17.6	17.2	16.0	15.5	14.7	
315.0	14.7	14.3	14.7	13.0	13.4	13.0	13.0	13.0	
337.5	13.0	13.0	13.4	13.0	13.9	13.9	14.7	14.3	

DEPTH:	1926	TILT:	-20	RANGE:	99.6	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	12.6	12.6	12.6	13.0	13.0	13.4	13.4	13.0	
22.5	13.0	12.6	12.6	13.4	13.0	12.6	12.6	12.6	
45.0	12.6	13.0	13.4	13.9	14.3	13.9	14.3	14.7	
67.5	17.6	18.5	19.3	22.7	23.1	23.1	24.4	26.0	
90.0	26.5	25.6	26.9	26.9	26.0	26.0	25.6	25.6	
112.5	25.6	26.0	26.0	25.6	25.2	25.2	24.4	24.4	
135.0	23.9	23.9	21.8	18.1	16.8	16.4	15.5	15.5	
157.5	15.1	15.1	14.7	14.7	14.3	13.9	13.9	13.9	
180.0	13.9	13.9	13.4	13.0	13.4	13.0	12.6	12.2	
202.5	12.6	12.6	13.0	12.2	11.8	12.2	12.6	13.0	
225.0	13.0	13.4	18.9	19.7	19.7	19.7	20.6	20.6	
247.5	20.6	20.6	19.7	21.0	21.4	21.4	22.3	21.8	
270.0	21.8	21.4	21.4	21.4	20.6	20.6	20.2	19.3	
292.5	19.3	17.6	17.2	15.1	14.7	14.3	13.9	13.9	
315.0	13.0	13.0	12.6	12.6	13.0	12.6	12.6	12.6	
337.5	12.6	12.2	12.2	12.2	12.2	12.6	12.6	12.6	

DEPTH:	1926	TILT:	-25	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	12.4	12.4	12.4	12.4	11.6	11.8	12.0	11.8	
22.5	12.0	12.0	12.2	12.2	12.4	12.4	12.4	12.6	
45.0	12.6	12.6	12.6	13.0	13.4	13.7	13.2	12.8	
67.5	13.2	13.0	14.9	16.4	17.6	19.3	20.4	20.4	
90.0	20.8	20.6	20.8	21.2	21.0	21.4	21.8	21.8	
112.5	22.3	21.8	20.8	21.2	20.8	21.0	21.0	20.8	
135.0	20.0	17.0	16.2	15.3	15.3	16.0	15.5	14.3	
157.5	14.1	13.9	13.2	13.2	12.8	12.8	12.8	13.0	
180.0	13.0	13.0	13.2	12.8	12.0	11.6	11.8	11.6	
202.5	11.8	12.0	11.8	11.8	12.0	12.2	12.0	12.2	
225.0	12.8	12.6	13.0	12.8	15.1	16.8	18.1	18.7	
247.5	18.9	19.5	19.5	19.3	18.7	18.5	18.9	18.9	
270.0	19.1	19.1	18.9	19.1	18.1	18.1	17.4	17.0	
292.5	15.8	14.7	14.5	14.7	14.1	13.0	12.8	12.6	
315.0	12.4	12.2	11.6	11.3	11.3	11.6	11.6	11.6	
337.5	11.6	11.6	11.8	11.6	12.4	12.2	12.4	12.4	

DEPTH:	1926	TILT:	-30	RANGE:	49.7	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.9	10.9	10.9	11.1	11.3	11.3	11.3	10.9	
22.5	11.1	11.1	11.5	11.5	11.5	11.3	11.5	12.0	
45.0	12.0	12.0	12.0	12.2	12.0	12.0	11.8	12.0	
67.5	12.4	12.4	13.0	13.4	14.3	14.3	16.0	16.2	
90.0	18.3	18.9	18.7	18.5	18.7	19.1	19.1	19.1	
112.5	19.1	18.5	18.5	18.3	17.2	17.0	16.8	17.6	
135.0	17.0	16.4	15.7	14.9	14.7	14.7	13.6	13.4	
157.5	13.2	13.0	12.6	12.6	12.4	12.0	12.0	11.8	
180.0	11.3	11.3	11.5	11.5	11.8	10.9	10.9	11.3	
202.5	11.1	11.1	11.1	10.9	10.9	10.9	11.3	11.3	
225.0	11.5	11.8	12.0	12.4	13.0	13.9	13.6	14.7	
247.5	15.1	15.7	15.5	16.0	15.7	16.2	16.2	16.2	
270.0	16.0	15.3	15.3	15.3	15.5	15.3	15.7	15.5	
292.5	14.5	13.4	13.0	12.8	12.4	12.4	12.0	11.8	
315.0	11.5	11.1	11.3	11.1	11.1	11.3	11.3	11.1	
337.5	11.3	11.3	11.3	11.1	10.9	10.3	10.5	10.7	

DEPTH:	1926	TILT:	-35	RANGE:	49.7	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	10.3	10.3	10.3	10.3	10.3	10.5	10.7	10.7	
22.5	10.7	10.9	10.5	10.3	10.1	10.1	10.7	11.1	
45.0	11.1	11.1	11.3	11.1	11.1	11.3	11.3	11.3	
67.5	11.3	11.8	12.4	12.4	12.6	13.0	13.2	13.9	
90.0	14.1	14.5	14.5	15.1	16.0	16.2	16.2	16.2	
112.5	16.2	16.4	16.4	16.0	16.6	15.7	15.5	13.4	
135.0	13.2	13.4	13.0	13.6	13.6	13.4	13.0	12.8	
157.5	12.6	12.4	12.0	12.0	11.8	11.5	11.3	10.9	
180.0	10.9	10.7	10.5	10.5	10.3	10.3	10.5	10.5	
202.5	10.7	11.1	11.1	10.7	10.7	10.7	10.9	10.7	
225.0	10.7	10.9	10.9	11.1	11.1	11.1	11.3	11.5	
247.5	11.8	11.8	13.2	13.6	14.1	14.1	14.7	14.3	
270.0	14.3	14.1	14.1	13.9	14.1	13.9	13.4	13.2	
292.5	13.2	12.8	12.4	12.0	11.8	11.3	11.1	11.1	
315.0	10.7	10.7	10.7	10.7	10.7	10.7	10.3	10.3	
337.5	9.9	10.1	10.5	10.5	10.1	10.1	9.9	10.1	

DEPTH:	1926	TILT:	-40	RANGE:	49.7	VOS:	6008		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	9.9	9.9	9.9	9.9	10.3	10.3	10.5	10.3	
22.5	10.3	9.9	9.7	9.9	9.9	10.1	9.9	9.7	
45.0	9.7	9.9	9.7	9.9	10.5	10.5	10.3	10.5	
67.5	10.7	10.9	11.3	11.5	11.5	11.8	12.2	11.8	
90.0	11.8	12.0	12.6	13.2	13.4	13.6	13.9	13.9	
112.5	14.3	14.3	14.3	13.9	14.1	13.6	12.4	12.4	
135.0	12.2	12.4	12.6	12.6	12.4	12.4	12.2	11.8	
157.5	11.5	11.3	11.3	11.1	10.9	10.7	10.5	10.5	
180.0	10.5	10.5	10.5	10.5	10.3	10.1	10.3	10.1	
202.5	10.5	10.5	10.5	10.3	10.3	9.9	9.9	10.1	
225.0	10.1	10.1	10.1	10.3	10.5	10.5	10.3	10.7	
247.5	10.7	11.1	11.1	12.2	12.6	12.6	12.4	12.6	
270.0	12.2	12.2	12.0	12.0	11.8	11.8	11.5	11.5	
292.5	11.5	11.3	11.1	10.9	10.9	10.9	10.9	10.7	
315.0	10.5	10.3	10.1	9.9	9.9	9.9	9.9	9.9	
337.5	9.9	9.7	9.4	9.7	9.7	9.7	9.9	9.9	

DEPTH:	1926	TILT:	-45	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	11.1	11.1	11.1	12.0	12.0	12.2	12.4	12.4	
22.5	12.4	11.8	11.6	11.6	11.3	11.3	11.3	11.1	
45.0	11.1	11.3	11.1	11.1	10.9	10.7	10.9	10.5	
67.5	10.5	10.3	10.3	10.3	10.5	10.3	10.3	10.5	
90.0	10.3	10.5	10.1	10.1	10.1	9.9	9.7	9.9	
112.5	9.7	9.5	9.5	9.2	9.5	9.9	9.7	9.5	
135.0	9.5	9.5	10.1	10.3	10.7	10.7	10.7	10.7	
157.5	10.9	11.1	11.3	11.1	11.1	11.6	11.3	11.3	
180.0	11.3	11.3	11.1	11.3	11.3	11.1	10.9	10.5	
202.5	10.5	10.3	10.3	10.1	9.9	9.9	9.7	9.7	
225.0	9.9	9.7	9.9	9.7	9.9	9.7	9.7	9.5	
247.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
270.0	9.5	9.2	9.5	9.5	9.5	9.5	9.5	9.2	
292.5	9.0	9.0	8.8	8.6	9.0	9.5	9.5	9.0	
315.0	9.2	9.7	9.7	9.9	10.1	10.1	10.1	10.5	
337.5	10.5	10.3	10.9	10.7	10.9	10.9	10.9	10.9	

DEPTH:	1926	TILT:	-50	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	9.5	9.9	9.7	9.7	9.7	9.9	9.9	10.1	
22.5	10.5	10.5	10.5	10.5	10.7	10.5	10.3	10.3	
45.0	10.1	10.3	10.3	9.9	9.7	9.5	9.7	9.5	
67.5	10.3	10.1	10.3	10.1	9.9	9.7	9.7	9.7	
90.0	9.7	9.9	9.2	9.5	9.2	9.0	8.8	9.2	
112.5	9.0	9.2	9.0	9.5	9.5	9.2	9.2	9.5	
135.0	9.2	9.2	9.5	9.9	9.9	10.1	10.3	10.3	
157.5	10.5	10.5	10.7	10.5	10.3	10.5	10.5	10.7	
180.0	10.5	10.5	10.5	10.3	10.3	10.1	10.3	9.9	
202.5	9.9	9.9	9.7	9.7	9.7	9.7	9.7	9.7	
225.0	9.7	9.7	9.5	9.2	9.2	9.5	9.2	9.0	
247.5	9.2	9.2	9.2	9.0	9.2	9.2	9.5	9.2	
270.0	9.5	9.2	9.0	9.0	9.0	8.8	8.8	8.8	
292.5	8.4	8.4	8.4	8.4	8.6	8.6	8.4	8.8	
315.0	8.8	8.8	8.8	9.0	9.2	9.7	9.7	9.7	
337.5	9.9	10.1	10.1	10.1	10.1	10.1	9.9	9.7	

DEPTH:	1926	TILT:	-60	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	8.8	8.8	8.6	8.6	8.6	8.6	8.6	8.6	
22.5	8.6	8.6	8.4	8.4	8.4	8.4	8.4	8.6	
45.0	8.6	8.6	8.8	9.0	8.8	8.8	8.8	8.8	
67.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
90.0	9.2	9.0	9.2	9.0	9.0	9.0	9.0	9.0	
112.5	9.2	9.2	9.2	9.5	9.5	9.2	9.5	9.5	
135.0	9.5	9.5	9.5	9.2	9.2	9.5	9.5	9.5	
157.5	9.5	9.5	9.2	9.2	9.5	9.2	9.5	9.5	
180.0	9.5	9.5	9.5	9.7	9.7	9.7	9.7	9.7	
202.5	9.7	9.5	9.5	9.2	9.2	9.2	9.2	9.2	
225.0	9.0	9.0	8.8	8.8	8.6	8.8	8.8	8.8	
247.5	8.8	8.8	9.0	9.0	9.0	9.0	9.0	9.0	
270.0	8.8	8.8	8.6	8.6	8.4	8.4	8.4	8.4	
292.5	8.4	8.2	8.4	8.4	8.6	8.6	8.4	8.2	
315.0	8.4	8.4	8.4	8.4	8.4	8.4	8.6	8.4	
337.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.8	

DEPTH:	1926	TILT:	-70	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	8.2	8.2	8.2	8.2	8.0	8.2	8.2	8.2	
22.5	8.2	8.2	8.4	8.2	8.4	8.6	8.6	8.4	
45.0	8.4	8.4	8.6	8.4	8.6	8.6	8.6	8.6	
67.5	8.6	8.6	8.8	8.8	9.0	9.2	9.5	9.5	
90.0	9.2	9.0	9.0	9.0	9.2	9.2	9.2	9.5	
112.5	9.7	9.7	9.7	9.5	9.7	9.7	9.9	9.7	
135.0	9.5	9.5	9.2	9.5	9.5	9.5	9.2	9.5	
157.5	9.2	9.2	9.2	9.2	9.0	9.0	9.0	9.0	
180.0	9.0	9.2	9.5	9.2	9.0	9.0	9.0	9.2	
202.5	9.0	9.0	9.0	9.0	9.0	9.0	8.8	8.8	
225.0	8.6	8.8	8.8	8.8	9.0	8.8	9.0	9.0	
247.5	9.0	8.8	8.8	8.8	8.8	9.0	8.8	8.6	
270.0	8.6	8.4	8.6	8.4	8.4	8.4	8.6	8.6	
292.5	8.6	8.4	8.6	8.4	8.4	8.4	8.2	8.2	
315.0	8.2	8.2	8.2	8.4	8.4	8.4	8.2	8.2	
337.5	8.2	8.2	8.2	8.0	8.0	8.2	8.2	8.2	

DEPTH:	1926	TILT:	-80	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	8.4	8.4	8.4	8.2	8.2	8.2	8.2	8.2	
22.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0	
45.0	8.2	8.4	8.6	8.6	8.6	8.6	8.8	8.8	
67.5	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.0	
90.0	9.2	9.2	9.2	9.2	9.2	9.5	9.7	9.7	
112.5	9.5	9.7	9.9	9.9	9.9	9.9	9.9	9.7	
135.0	9.7	9.7	9.7	9.7	9.5	9.5	9.5	9.5	
157.5	9.2	9.2	9.2	9.2	9.2	9.2	9.0	9.2	
180.0	9.2	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
202.5	9.0	9.0	9.0	8.8	8.8	8.6	8.6	8.6	
225.0	8.6	8.6	8.8	8.8	9.0	8.8	9.0	9.0	
247.5	9.0	8.8	9.0	8.8	8.8	9.0	8.8	8.8	
270.0	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	
292.5	8.8	8.6	8.6	8.6	8.6	8.6	8.4	8.4	
315.0	8.6	8.6	8.6	8.4	8.6	8.4	8.4	8.4	
337.5	8.6	8.4	8.4	8.2	8.2	8.2	8.4	8.4	

DEPTH:	1926	TILT:	-89	RANGE:	49.8	VOS:	6007		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7	
0.0	9.7	9.7	9.7	9.7	9.7	9.5	9.5	9.5	
22.5	9.5	9.5	9.5	9.7	9.7	9.9	9.9	9.7	
45.0	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	
67.5	9.9	9.7	9.7	9.7	9.7	9.7	9.7	9.5	
90.0	9.5	9.5	9.5	9.5	9.5	9.7	9.7	9.9	
112.5	9.9	9.9	9.9	9.9	9.9	10.1	10.1	10.1	
135.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.9	
157.5	9.9	9.7	9.7	9.5	9.5	9.5	9.5	9.5	
180.0	9.5	9.5	9.5	9.5	9.5	9.7	9.7	9.7	
202.5	9.7	9.7	9.7	9.5	9.5	9.5	9.5	9.2	
225.0	9.2	9.2	9.5	9.5	9.5	9.5	9.2	9.5	
247.5	9.2	9.5	9.5	9.5	9.5	9.2	9.2	9.2	
270.0	9.2	9.2	9.5	9.5	9.5	9.7	9.7	9.7	
292.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	
315.0	9.7	9.9	9.9	9.9	9.7	9.7	9.7	9.7	
337.5	9.7	9.7	9.7	9.5	9.7	9.5	9.5	9.7	

Chavez, Carl J, EMNRD

From: Tadd Busch [tadd@lonquist.com]

Sent: Tuesday, May 20, 2008 2:16 PM

To: Chavez, Carl J, EMNRD

Cc: 'Eric Busch'

Subject: N2 CAL

Attachments: NMOCD Well No 1 Calculations.pdf; NMOCD PASS-Fail Well 1.xls; NMOCD Well No 2 Calculations.pdf; NMOCD PASS-Fail Well 2.xls; NMOCD Well No 3 Calculations.pdf; NMOCD PASS-Fail Well 3.xls; NMOCD Well No 4 Calculations.pdf; NMOCD PASS-Fail Well 4.xls; Nitrogen Table.pdf

Mr. Carl Chavez-

Below are the dates that the last MITs were completed on each well for Western Refining. I have attached the calculations that the NMOCD uses as the pass/fail criteria for wells in New Mexico in conjunction with the table used to find the conversion from scf to bbls at depth and pressure. The hard copies will be sent out tomorrow, if you have any questions please contact me at (701)-306 8580.

Well No. 1 -- MIT Completed on April 25th, 2008

Well No. 2 -- MIT Completed on March 14th, 2008

Well No. 3 -- MIT Completed on August 19th, 2007

Well No. 4 -- MIT Completed on August 19th, 2007

Regards,

**Tadd J Busch**

Underground Storage Engineer

Lonquist Field Service

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(713) 559-9959 Fax

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www.lonquist.com

LONQUIST**FIELD SERVICE**

From: Chavez, Carl J, EMNRD [mailto:Carl.J.Chavez@state.nm.us]

Sent: Monday, May 19, 2008 4:33 PM

To: Tadd Busch

Subject: RE: n2 CAL

Thanks Tadd. Please provide your sheets with assumptions for each LPG well to me for evaluation. You are really on top of the test results and I just need to check your assumptions based on the tests to confirm Western Refining LP's preliminary finding that the wells passed. Also, if you could provide the date that the tests were run on each of the LPG wells as the OCD is working on a discharge permit that will list the approximate date of the

6/30/2008

next MIT (every 5 years for brine/N2 test. Thank you Sir.

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) 476-3491
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")

From: Tadd Busch [<mailto:tadd@lonquist.com>]
Sent: Monday, May 19, 2008 2:50 PM
To: Chavez, Carl J, EMNRD
Subject: RE: n2 CAL

Yes, I should have been a bit clearer; I will be checking all four wells to be sure they all pass according to NMOCD pass/fail criteria.



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tadd@lonquistfieldservice.com
www.lonquist.com



From: Chavez, Carl J, EMNRD [<mailto:CarlJ.Chavez@state.nm.us>]
Sent: Monday, May 19, 2008 3:48 PM
To: Tadd Busch
Subject: RE: n2 CAL

Tadd:

Could you please check the results from LPG#1, 2, 3 & 4? Thanks.

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) 476-3491
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")

6/30/2008

From: Tadd Busch [mailto:tadd@lonquist.com]
Sent: Monday, May 19, 2008 2:43 PM
To: Chavez, Carl J, EMNRD
Subject: RE: n2 CAL

This works its imbedded in the email from Mr. Price but I thing it will be fine. I will include the calcs in the two reports LFS has yet to file along with checking them against the two previously filed.

Regards,



Tadd J Busch
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(713) 559-9959 Fax
tadd@lonquistfieldservice.com
www.lonquist.com



From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Monday, May 19, 2008 12:41 PM
To: Tadd Busch
Subject: FW: n2 CAL

Here it is Tadd. This one should work. Thanks.

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) 476-3491
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")

From: Price, Wayne, EMNRD
Sent: Tuesday, March 25, 2008 1:06 PM
To: Chavez, Carl J, EMNRD
Subject: n2 CAL

spread sheet for calculating pass-fail- enter data only in the green otherwise you can wipe out the formulas. I only use this if there is a noted drop in the chart.

Wayne Price-Environmental Bureau Chief

6/30/2008

Oil Conservation Division
1220 S. Saint Francis
Santa Fe, NM 87505
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Western Refining Company – Well No 1

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 1 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left[\frac{\left(V_I \right) - \left(V_I * \frac{P_F}{P_S} \right)}{T_L} \right]$$

Where:

Loss in BBLs/Hr = **0.0098 BBLs/Hr**

P_I = 1085.97 psi

P_F = 1079.59 psi

V_I = 39.95 BBLs

T_L = 24 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0098 < 0.11$$

Well No. 1 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 1

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1085.97

Input stop pressure (psig) 1079.59

Input volume in BBL's *** 39.95

Length of test in hours 24

*** N₂ SCF divided by compressibility number for

*** Example: 20,000 scf / 111 = 180 bbls of N₂

Ans: Loss in BBL's/hour 0.009779

$<V_1 - V_1(P_f/P_s)>/\text{time}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 72.18

72.18

Input T2 Deg F 72.24

72.24

Set V1=V2 -----

Input P1 PSIG 1085.97

Solve P2 PSIG 1086.093

Western Refining Company – Well No 2

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 2 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_i) - \left(V_i * \frac{P_F}{P_S} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr	=	0.0138 BBLs/Hr
P_i	=	1208.21 psi
P_F	=	1201.19 psi
V_i	=	183.88 BBLs (Sonar Volume)
T_L	=	77.5 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0138 < 0.11$$

Well No. 2 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Company, Well No 2 - MIT Report

Calculations

Minimum Detectable Leak Rate – MDLR

The test sensitivity is defined as the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	843.00 bbls/year
B _v	=	74.60 bbls/ft (average based on sonar survey)
L _R	=	0.10 feet
T _c	=	365 days/year
T _L	=	3.23 days

Therefore: (74.60 x 0.1 x 365)/3.23 = **843.00 bbls/year**

Western Refining Well No. 2

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1208.21

Input stop pressure (psig) 1201.19

Input volume in BBL's *** 183.88

Length of test in hours 77.5

*** Number taken from Sonar information

Ans Loss in BBL's/hour 0.013786

$\langle V_1 - V_1(P_f/P_s) \rangle / \text{time}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 70.52

72.18

Input T2 Deg F 70.66

72.24

Set V1=V2 -----

Input P1 PSIG 1208.21

Solve P2 PSIG 1208.529

Western Refining Company – Well No 3

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 3 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_i) - \left(V_i * \frac{P_F}{P_i} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr = **0.0215 BBLs/Hr**

P_i = 1177.57 psi

P_F = 1166.45 psi

V_i = 109.45 BBLs (Calculated Volume)

T_L = 48 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0215 < 0.11$$

Well No. 3 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 3

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1177.57

Input stop pressure (psig) 1166.45

Input volume in BBL's *** 109.45

Length of test in hours 48

*** N₂ SCF divided by compressibility number for

*** Example: 20,000 scf / 111 = 180 bbls of N₂

Ans: Loss in BBL's/hour 0.021532

$<V_1 - V_1(P_f/P_s)>/\text{time}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 66.65

72.18

Input T2 Deg F 65.54

72.24

Set V1=V2 -----

Input P1 PSIG 1177.57

Solve P2 PSIG 1175.087

Western Refining Company – Well No 4

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 4 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_i) - \left(V_i * \frac{P_F}{P_i} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr	=	0.0173 BBLs/Hr
P_i	=	1187.41 psi
P_F	=	1182.41 psi
V_i	=	197.51 BBLs (Calculated Volume)
T_L	=	48 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$\mathbf{0.0173 < 0.11}$$

Well No. 4 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 4

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1187.41

Input stop pressure (psig) 1182.41

Input volume in BBL's *** 197.51

Length of test in hours 48

*** N₂ SCF divided by compressibility number for

*** Example: 20,000 scf / 111 = 180 bbls of N₂

Ans: Loss in BBL's/hour 0.017327

$\frac{V_1 - V_1(P_f/P_s)}{\text{time}}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 66.1

72.18

Input T2 Deg F 69.6

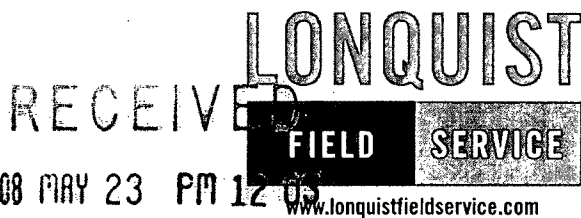
72.24

Set V1=V2

Input P1 PSIG 1187.41

Solve P2 PSIG 1195.314

AUSTIN
3345 Bee Cave Road
Suite 201
Austin, Texas 78746 USA
Tel 512.732.9812
Fax 512.732.9816



HOUSTON
1001 McKinney
Suite 1445
Houston, Texas 77002 USA
Tel 713.559.9950
Fax 713.559.9959

May 22, 2008

Mr. Carl J. Chavez
Oil Conservation District
1200 South St. Francis Drive
Santa Fe, NM 87505

Re: Western Refining Company, LP - MIT Report - Well Nos. 1 and 2

Dear Mr. Chavez:

Enclosed are the MIT Reports for Well Nos. 1 and 2 at the Western Refining, Jal Facility.

If you have any questions or need additional information, please call me at (713) 559-9953 or by email (eric@lonquist.com).

Sincerely,

A handwritten signature in black ink, appearing to be "Eric Busch".

Eric Busch
Operations Manager

Cc: Mr. Ken Parker, Western Refining
Mr. Ron Weaver, Western Refining
NMOCD - District I, Hobbs, NM

LONQUIST

FIELD

SERVICE

RECEIVED
2008 MAY 23 PM 12 03

MECHANICAL INTEGRITY TEST REPORT

Western Refining Company, LP

Well No. 1

API No. 30-025-35954

Jal, New Mexico, USA

Prepared for:

Western Refining Company, LP

Jal, New Mexico, USA

by:

Lonquist Field Service, LLC

Austin, Texas

April 2008

Executive Summary

Lonquist Field Service, LLC. (LFS) was contracted to conduct a Mechanical Integrity Test on Well No. 1 for Western Refining Company, LP (Western Refining) from April 22-25, 2008. A nitrogen-interface test method was used for this test. Nitrogen was injected into Well No. 1 on April 22nd, 2008 and there was a stabilization period until April 24th, 2008. The well was then shut in for a period of 24 hours to conduct the actual test and concluded on April 25th, 2008. After observing the change in the nitrogen interface depth the total volume change was calculated. Using an average temperature and pressure across the effected well depth and by extrapolating the time an annual net loss could be calculated. This calculation yielded a loss of 80.61 bbls of nitrogen per year and a Minimum Detectable Leak Rate (MDLR) 204.04 bbls/year. The well was tested to a test gradient of 0.75 psi/ft at the 7" casing shoe. Considering these results and the guidelines set forth by the New Mexico Oil Conservation Division, Well No. 1, at the time of this test, demonstrated the mechanical integrity required for LPG storage.

Western Refining Company, Well No 1 - MIT Report

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MIT/WELL SCHEMATIC.....	8
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Western Refining Company, Well No 1 - MIT Report

Introduction

Lonquist Field Service, LLC (LFS) was contracted to conduct a mechanical integrity test (MIT) for Well No. 1 located at the Jal Station, Jal New Mexico. LFS prepared a MIT procedure according to guidelines set forth by the New Mexico Oil Conservation District (NMOCD).

Well No. 1 was tested using the Nitrogen-Brine Interface Test Method (See Appendix A). This procedure begins with an initial injection of nitrogen into the well to check for wellhead and casing leaks. The initial injection is followed by continued injection of nitrogen into the storage well until the interface is located below the casing shoe and a sufficient test pressure has been reached. The interface depth and both the nitrogen (annulus) and brine (tubing) pressure are monitored during the test period. The test is evaluated by calculating the nitrogen mass (volume) at the commencement and completion of the test period. This difference yields an apparent mass (volume) change. As the test occurs over a finite time period, the apparent mass (volume) rate can be calculated and linearly forecasted to an annual rate. The annual mass (volume) rate is usually expressed in barrels of nitrogen per year (at average well pressure and temperature conditions). The mass (volume) rate of change is subject to the accuracy of the test or Minimum Detectable Leak Rate (MDLR), also expressed in barrels per year.

The following report will outline the Nitrogen-Brine Interface Test for Well No. 1. The report includes the cavern and wellbore configuration, pressure trends, temperature logs, and density logs completed during the test.

Western Refining Company, Well No 1 - MIT Report

Summary

On April 22nd, 2008 nitrogen was injected into Well No. 1 at a rate of 300 SCFM with a target temperature of 70° F. Nitrogen was injected until it reached a depth of 1494' and the well was then shut in for a period of time. The pressure on the tubing and annulus were monitored during this period of time along with the interface depth. No appreciable leaks in the well casing and wellhead components were identified during this time period. Following the initial nitrogen injection approximately 459 bbls of brine was injected into the cavern to raise the pressure to a desired test gradient. After completing the brine injection, nitrogen was again injected until the nitrogen – brine interface was determined (through density logging) to be at a depth of 1535' or 14' below the cemented casing shoe.

After being shut in for a period of 12 hours, unsaturated brine was then injected to bring the cavern pressure up to the desired test gradient of 0.75 psi/ft. After a stabilization period of approximately 20 hours the well was re-logged to determine the interface depth that would be used for the test calculations. At the beginning of the observation period on April 24th, at 10:15 hrs, the nitrogen - brine interface was logged at 1535' (14' below casing shoe). The nitrogen (annulus) pressure was 1085.97 psig and the brine (tubing) pressure was 435.56 psig.

The well was shut in for the duration of the test (approximately 24 hours) which concluded on April 25, 2008 at 10:47 hrs. A density log was again completed to determine the depth of the nitrogen – brine interface. The interface was measured at a depth of 1535'. The nitrogen (annulus) pressure was 1079.59 psig and the brine (tubing) pressure was 426.69 psig. The net change in the nitrogen (annulus) pressure was 6.38 psig and the net change in the brine (tubing) pressure was 8.87 psig. There was no movement in the interface depth.

Conclusions

The mechanical integrity of Well No. 1 was established with a Nitrogen-Brine Interface Test Method. Well No. 1 was initialized with an annulus pressure of 1085.97 psig and tubing pressure of 435.56 psig with the nitrogen-product interface at 1535'. Well No. 1 was finalized with an annulus pressure of 1079.59 psig and a tubing pressure of 426.69 psig with the nitrogen-brine interface at 1535'.

Well No. 1 had a test length of 24 hours and a test gradient of 0.75 psi/ft at the 7" casing shoe.

The calculated nitrogen leak rate was 80.61 bbls per year which is less than the Minimum Detectable Leak Rate (MDLR) of 204.04 bbls per year.

At the completion of this test, Well No. 1 exhibited the characteristics of a well that has mechanical integrity as required for the storage of liquid petroleum products in accordance with the New Mexico Oil Conservation Division guidelines.

Daily Activities

April 22nd, 2008

The wireline unit was rigged up on Well No. 1 at 09:00 hrs to perform initial temperature and density logs. This trip was also used to set a reference point for the depth of the casing shoe. Nitrogen was rigged up and injection started at 11:41 hrs until a depth of 1494' was reached. The well was then shut in to perform the initial inspection of the casing and wellhead components. Nitrogen injection resumed at 13:33 hrs and was injected until a depth of 1535'. The cavern pressure was not adequate to test the casing shoe at the desired test gradient of 0.75 psi/ft. Brine was injected to increase the cavern pressure causing the nitrogen /brine interface to move up-hole. Nitrogen was again injected to bring the interface to a depth of 1535' at this time the pressure on the annulus was 1088.14 psig and 350.05 psig on the tubing string. The well was shut in at.

April 23rd, 2008

At 08:30 hrs the wireline unit was rigged up and the temperature and density logs were ran to locate the interface. After 12 hours of stabilization brine needed to be injected again to increase the cavern pressure to obtain a test gradient of 0.75 psi/ft the nitrogen – brine interface was left at 1535'. The well was again closed in for a period of time to allow the cavern to stabilize. .

April 24th, 2008

At 09:00 hrs the wireline unit was rigged up and the temperature and density logs were ran to initialize the test. At 10:15 hrs the density log showed the interface to be at a depth of 1535' with a surface nitrogen pressure of 1085.97 psig and a surface tubing pressure at 435.56 psig. The well was shut in and the test period commenced.

April 25th, 2008

At 09:00 hrs the wireline unit was rigged up and the temperature and density logs were ran to finalize the test. At 10:47 hrs the density log showed the interface to be at a depth of 1535' with a surface nitrogen pressure of 1079.59 psig and a surface tubing pressure at 426.69 psig. This concluded the test.

Test Participants

Western Refining Company, LP

Ken Parker.....Owners Representative

Lonquist Field Service, LLC

Tadd Busch.....Lonquist Field Service

Cav-Tech Inc.

Jon Flowers.....Wireline Operator

Cudd Pressure Control

Cudd Personnel.....Nitrogen Injection

Calculations

Minimum Detectable Leak Rate – MDLR

The test sensitivity is defined as the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	204.04 bbls/year
B _v	=	1.118 bbls/ft (average based on sonar survey)
L _R	=	0.50 feet
T _c	=	365 days/year
T _L	=	1 days

Therefore: (1.118 x 0.5 x 365)/1 = **204.04 bbls/year**

Western Refining Company, Well No 1 - MIT Report

Volume Calculations – Borehole below 7” Cemented Casing

Using the methodology outlined in the MIT procedure the following volumes were calculated:

Initial Wellbore Volume (V_I)

- Annulus Pressure – 1085.97 psig
- Tubing Pressure – 435.56 psig
- Wellbore Temperature – Logged (APPENDIX D)
- Volume
 - 5 1/2 " X 2 7/8" Annulus – 0.015 bbls/ft (0.084 ft³/ft)
 - 7" x 2 7/8" Annulus – 0.032 bbls/ft (0.180 ft³/ft)
 - Borehole – 1.118 bbls/ft (6.28 ft³/ft)

$$(V_I) = \sum_o^{I/F} (N_2)_i$$

$$V_I = 16,299.95 \text{ SCF}$$

Final Wellbore Volume (V_F)

- Annulus Pressure – 1079.59 psig
- Tubing Pressure – 426.69 psig
- Wellbore Temperature – Logged (APPENDIX D)
- Volume
 - 5 1/2 " X 2 7/8" Annulus – 0.015 bbls/ft (0.084 ft³/ft)
 - 7" x 2 7/8" Annulus – 0.032 bbls/ft (0.180 ft³/ft)
 - Borehole – 1.118 bbls/ft (6.28 ft³/ft)

$$(V_F) = \sum_o^{I/F} (N_2)_i$$

$$V_F = 16,205.52 \text{ SCF}$$

Borehole Volume Change:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

$$(\Delta V)_{STP} = (94.43) \text{ SCF}$$

Western Refining Company, Well No 1 - MIT Report

Volume Change:

$$(\Delta V)_{STP} = (94.43) SCF$$

Using the methodology outlined in APPENDIX A:

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB})	=	1.24 ft³
(Z_A)	=	0.9996
(T_A)	=	531.80°R
R	=	Specific Gas Constant
$(\Delta V)_{STP}$	=	94.43 SCF
(P_A)	=	1126.91 psi
N_{GC}	=	Nitrogen Gas Conversion (13.8 SCF = 1 lb)

To calculate a annual volume change to compare to the MDLR the following calculations were completed:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(hr / day) * 365(day / yr)]}{T_L}$$

Where:

(ΔV_{ANNUAL})	=	452.61 ft³/year
(ΔV_{WB})	=	1.24 ft ³
(T_L)	=	24 hours

This is a total of **80.61 bbls/year**.

$$(\text{bbls/year}) = (\Delta V_{ANNUAL}) / 5.6146 \text{ ft}^3$$

Where:

(ΔV_{ANNUAL})	=	452.60 ft³
1 bbl	=	5.6146 ft ³

Western Refining Company – Well No 1

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 1 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_I) - \left(V_I * \frac{P_F}{P_S} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr = **0.0098 BBLs/Hr**

P_I = 1085.97 psi

P_F = 1079.59 psi

V_I = 39.95 BBLs

T_L = 24 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0098 < 0.11$$

Well No. 1 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

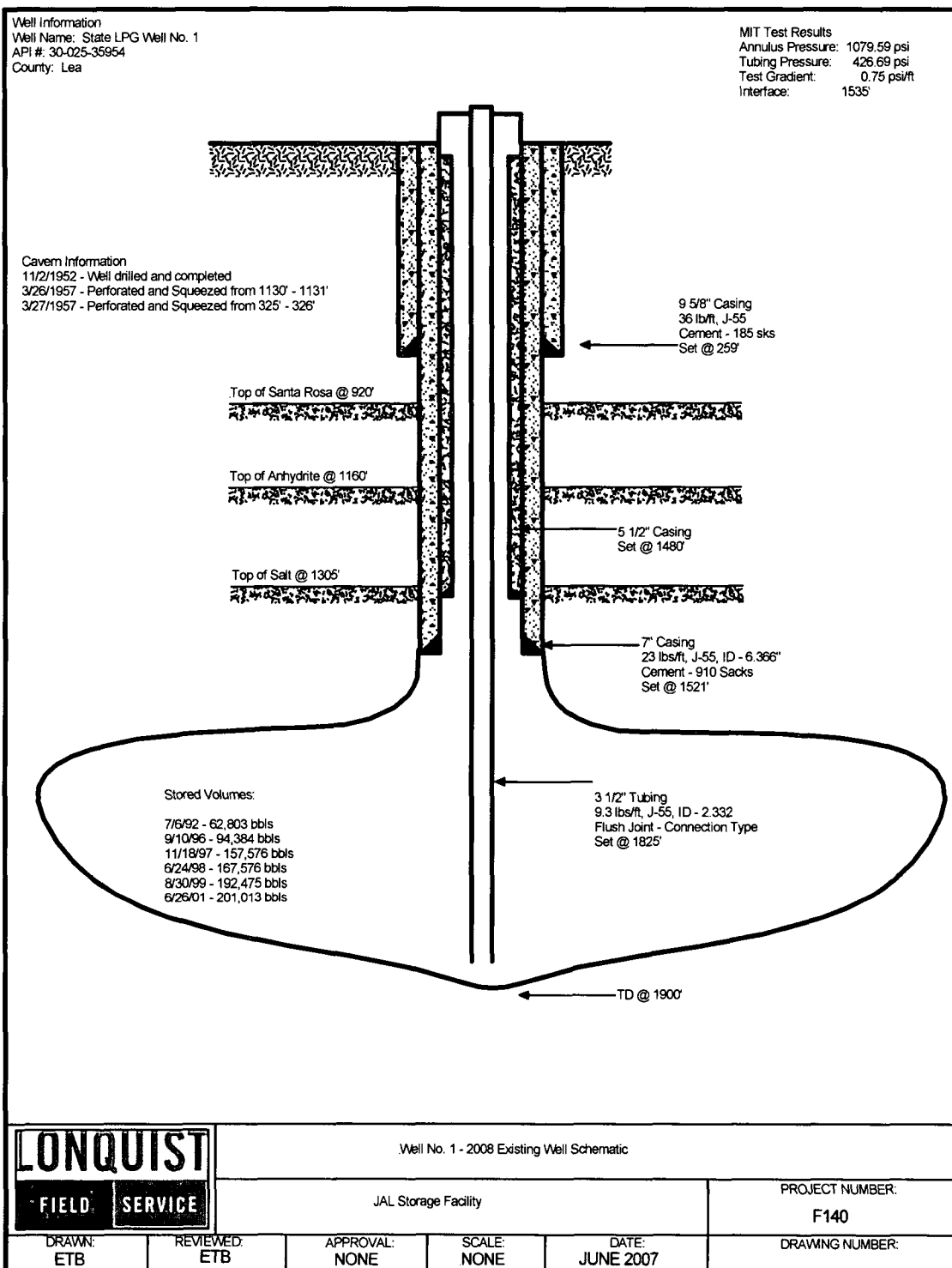
Western Refining Company, Well No 1 - MIT Report

Well Data Sheet

TEST INFORMATION AND RESULTS					
Well Name:		Well No. 1			
Operator:		Western Refinery			
State:		New Mexico			
Parish:		Lea			
Field:		Jal Station			
Serial #:		30-025-35954			
UIC #					
WELL INFORMATION					
Cemented Casing			Casing Liner		
Casing Size	7.00	inches	Casing Size	5.50	inches
Casing ID	6.46	inches	Casing ID	4.83	inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1521	feet	Depth	1480	feet
Hanging String No. 1			Hanging String No. 2		
Casing Size	2 7/8	inches	Casing Size		inches
Casing ID	2.44	inches	Casing ID		inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1976	feet	Depth		feet
Cavern					
Cavern Size					201,000 bbls
Compressibility					0.61 bbls/psi
Cavern TD					2050 feet
FINAL TEST INFORMATION					
Effective Casing Shoe	1521	feet	Casing Shoe Pressure	1144.57	psi
Test Gradient	0.75	psi/ft	Interface Pressure	1145.11	psi
Brine Specific Gravity	1.2		Surface Tubing Pressure	347.52	psi
Nitrogen Temperature	85	deg F	Surface Annulus Pressure	1088.92	psi
Interface Depth	1535	feet	Pressure Increase	55.69	psi
Gas Compressibility	1.0029		Conversion	14.70	psi
Volume			Nitrogen		
Annular Volume No. 1	0.015	bbls/ft	Surface to Casing Shoe	9471.466	SCF
Annular Volume No. 2	0.032	bbls/ft	Casing Shoe to Interface	4660.406	SCF
Surface to Liner Shoe	21.587	bbls	Total	14131.87	SCF
Liner Shoe to Casing Shoe	1.331	bbls	Brine		
Casing Shoe to Interface	11	bbls	Cavern Pre-Pressure	291.84	psi
Total	33.918	bbls	Brine Injection	177.76	bbls
TEST RESULTS					
Test Initialization Information			Test Finalization Information		
Date	4/24/2008			4/25/2008	
Tubing Pressure	435.56	psig	Tubing Pressure	426.69	psig
Annulus Pressure	1085.97	psig	Annulus Pressure	1079.59	psig
Wellbore Temperature	72	deg F	Wellbore Temperature	72	deg F
Nitrogen/Brine Interface	1535	feet	Nitrogen/Brine Interface	1535	feet
Test Results					
MDLR	204.04	bbls/yr	Test Length	24	hours
Calculated Volume Change	-80.61	bbls/yr	Test Length	1	days
Test Gradient	0.75	psi/ft	Logging Resolution	0.5	feet
Tubing Pressure Change	8.87	psi			
Annulus Pressure Change	6.38	psi			

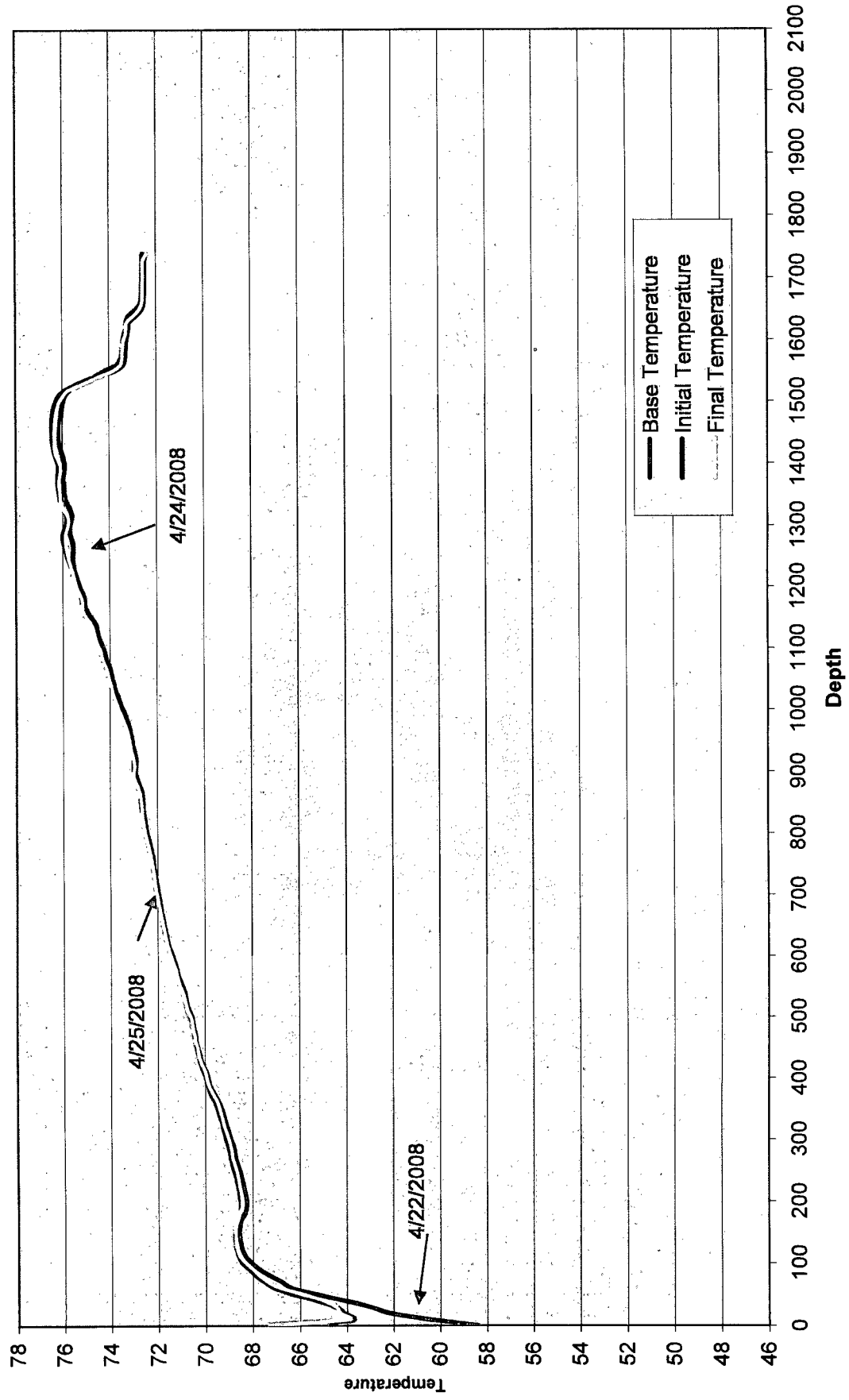
Western Refining Company, Well No 1 - MIT Report

MIT/Well Schematic

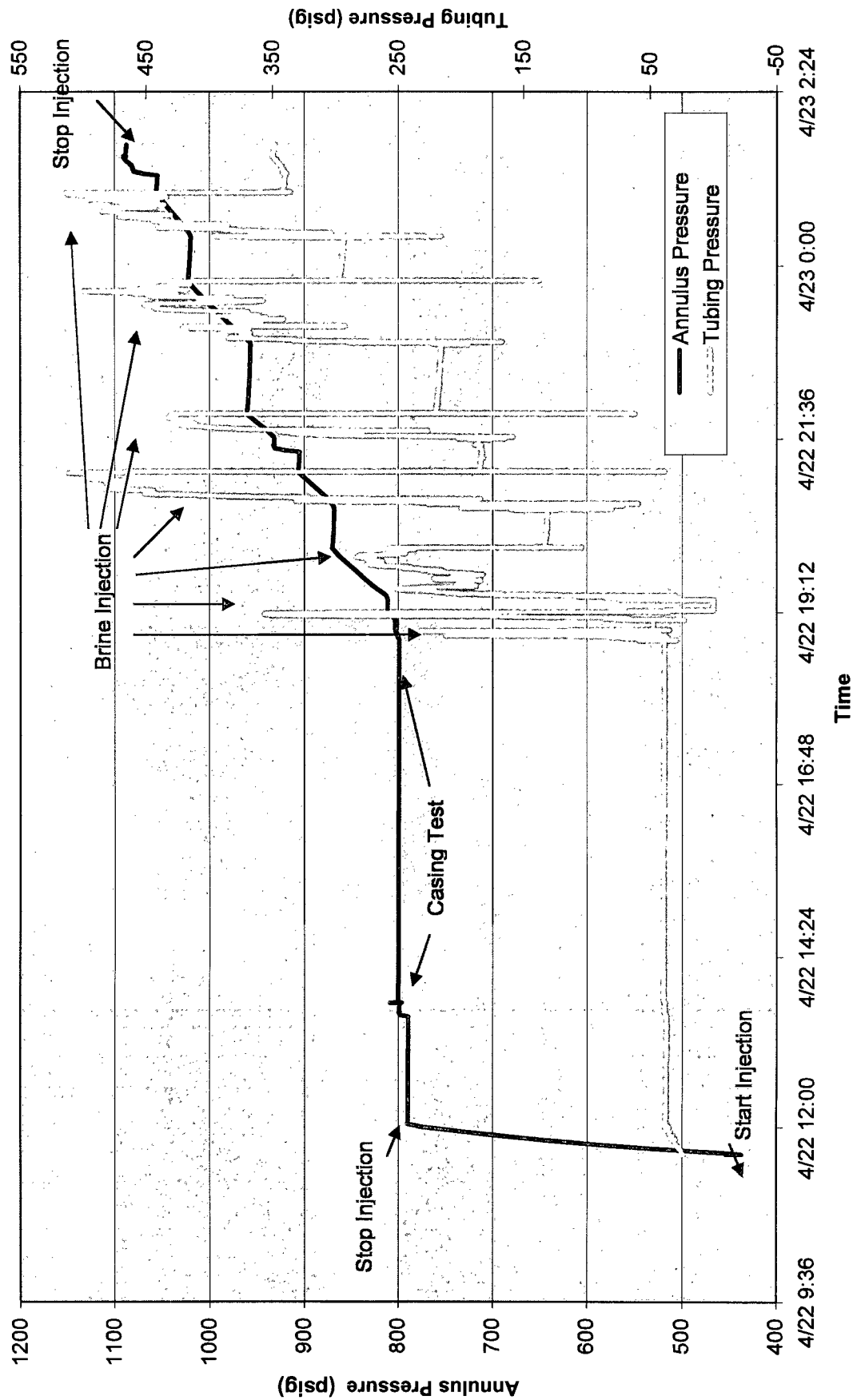


Pressure and Temperature Graphs

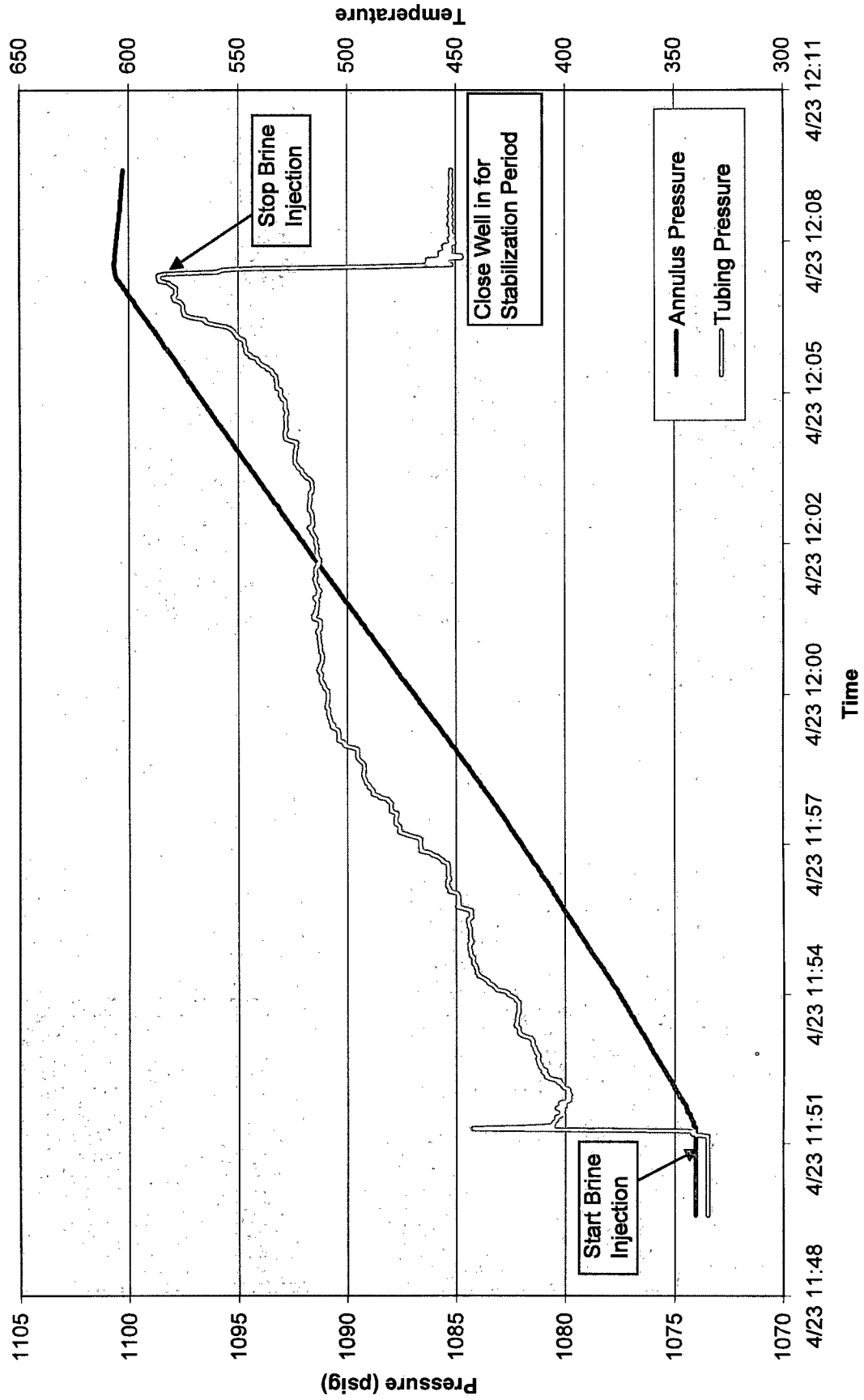
Well No. 1 - MIT
Wellbore Temperature



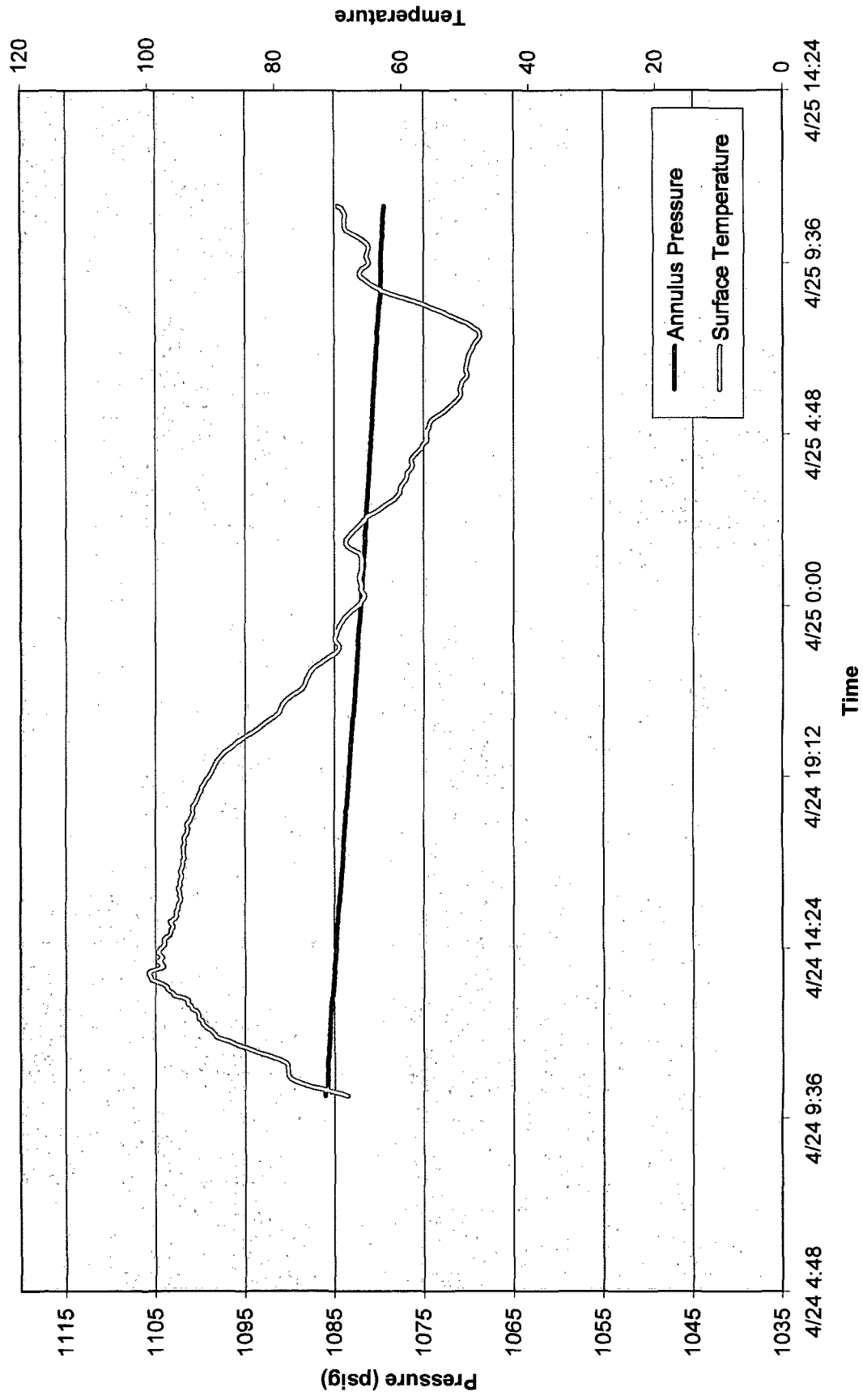
Well No. 2 - MIT INJECTION PRESSURES



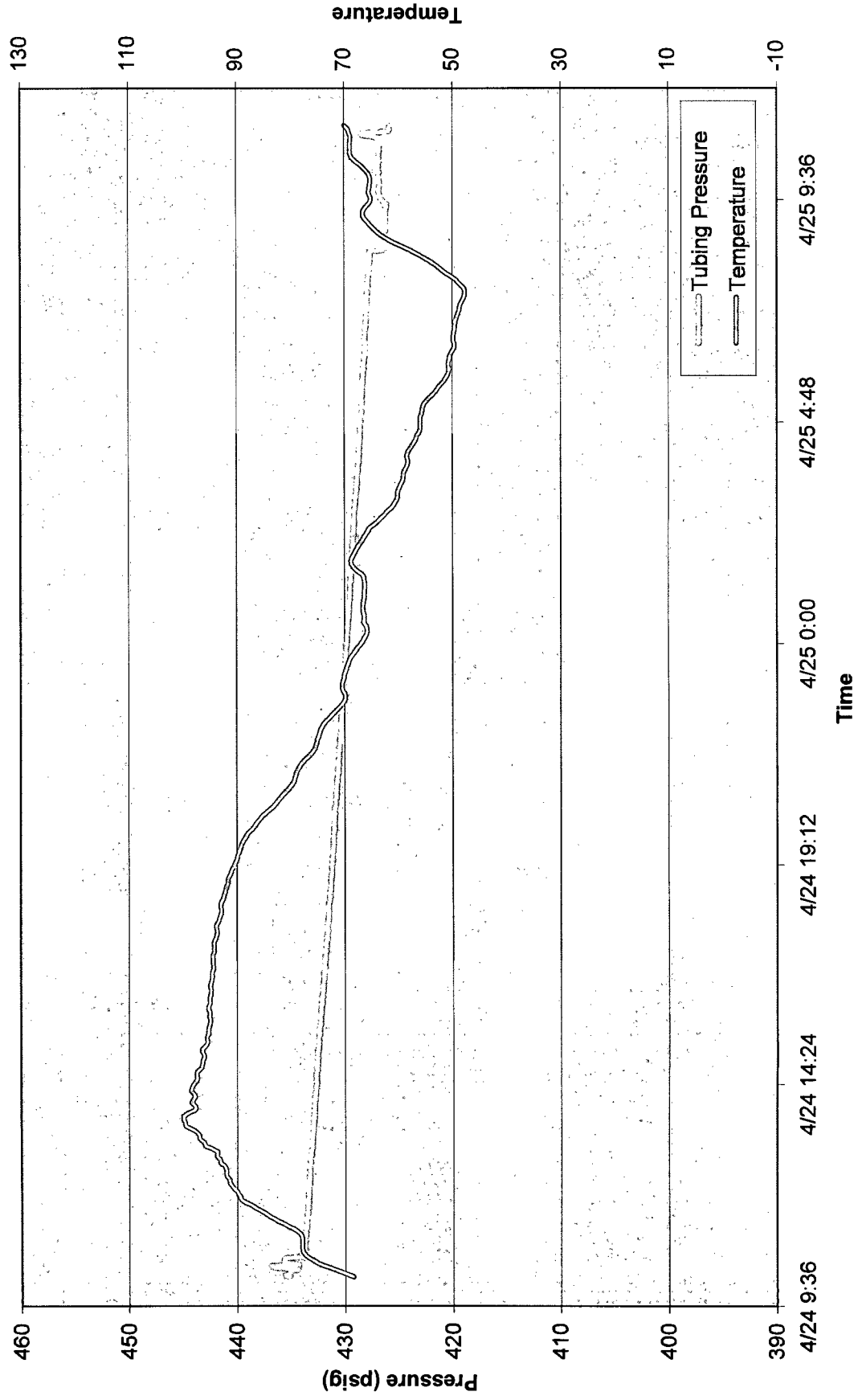
Well No. 1 - MIT
BRINE INJECTION PRESSURE



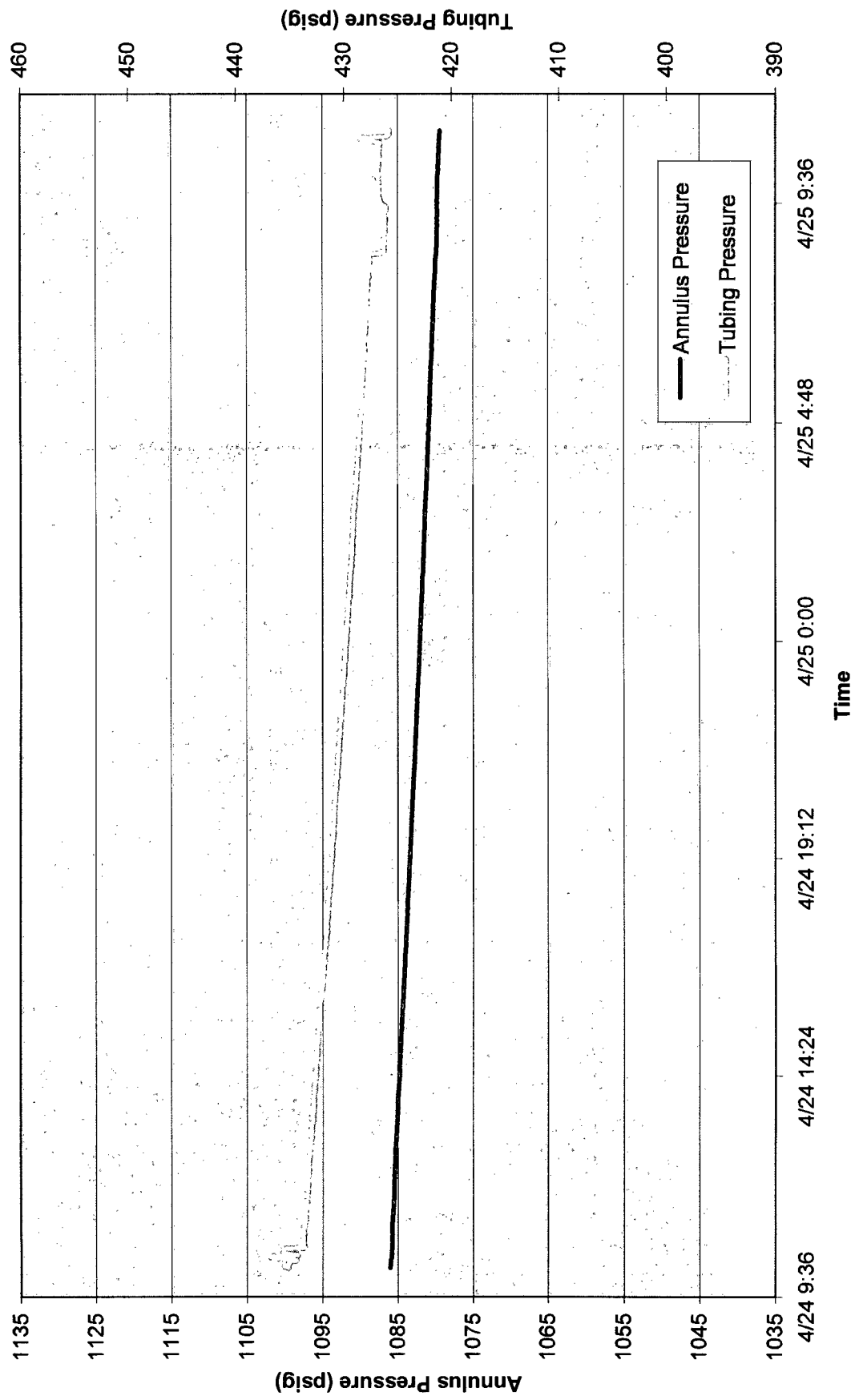
Well No. 1 - MIT
ANNULUS TEST PRESSURE



Well No. 1 - MIT
TUBING TEST PRESSURE



Well No. 1 - MIT
ANNULUS VS TUBING PRESSURES



Appendix A – MIT Test Procedure

LONQUIST**FIELD SERVICE****WELL TEST****Western Refining Company, LP
Well No. 1
Mechanical Integrity Test****Project No.: F140****Date: March 2008****Page: 1 of 10****Well: No. 1****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35954****Operator: Western Refining Company, LP****Location: Jal****Status: State LPG Well****INTRODUCTION**

The purpose of the Mechanical Integrity Test (MIT) procedure is to test the integrity of the underground storage system that includes the cavern, cemented casing, and wellhead to determine if the system is suitable for the storage of hydrocarbons.

In accordance with the Oil Conservation Divisions of New Mexico Well No 1 is undergoing an MIT following the recently completed workover before the well can be placed back into service. The recent workover on Well No 1 involved pulling the old tubing and replacing it with 2 7/8" tubing.

The test procedure will consist of the following basic steps:

1. Pre-pressure the cavern with brine to a specific test pressure.
2. Complete pre-test density and temperature logs.
3. Inject nitrogen into Well No. 1 and monitor interface location to place in the cemented casing to complete a preliminary test on the cemented casing.
4. Inject nitrogen into Well No. 1 and monitor interface location to place interface below the cemented casing shoe.
5. Monitor wellhead pressures, wellbore temperature, and interface location during the specified test period.
6. Complete and submit MIT report to Western Refining Company, LP and the Oil Conservation Division of New Mexico.
7. Place Well No. 1 in operations

The test procedure includes the following information:

- Nitrogen/Brine Interface Test Planning Sheet
- Test Schematic
- Contact Information

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

LONQUIST

FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 1
Mechanical Integrity Test

Project No.: F140

Date: March 2008

Page: 2 of 10

Well: No. 1

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35954

Operator: Western Refining Company, LP

Location: Jal

Status: State LPG Well

Well Preparation

1. Wellhead should be isolated from all surface piping during the test. This may include blind flanges, skilnet flanges, and 1" or 2" test flanges.
 - a. Wellhead should keep the ability to bleed excess brine pressure back into surface system during the test.
2. Install pressure recording equipment on wellhead. Pressure equipment should be able to record wellhead pressures and wellhead temperatures during the test period. Additional equipment to measure the nitrogen stream injected into the well will be necessary.
 - a. All equipment calibration certifications to be provided with final reports.
3. Wellhead configuration should permit the use of a wireline lubricator and logging tools.
4. Pre-pressure the cavern to predetermined pressure with saturated brine
 - a. See MIT Data Sheet
5. Wellhead pressure should be stable prior to starting the test.
 - a. Stable wellhead pressure – Decline less than 10 psi/day

Well Injection Phase

6. Move in and rig up wireline unit, logging tools, pressure equipment, and nitrogen supplier.
7. Complete base density log and wellbore temperature log
 - a. Base Temperature Log – (0' – TD)
 - b. Base Density Log – (TD' – 0')
 - c. Density logs should include: tubing collars, production casing shoe, and approved logging scales.
 - d. All depths are approximate
8. Start Nitrogen Injection at a slow rate (<500 SCFM). Nitrogen temperature should be regulated to the average wellbore temperature.
9. Monitor the nitrogen/brine interface and wellbore pressures to locate the interface above the casing shoe and conduct a preliminary casing test.
 - a. Casing Test – Minimum of 30 minutes
 - b. Monitor and record wellhead pressures and interface at the start and completion of the test
10. Monitor the nitrogen/brine interface and wellbore pressures to locate the nitrogen/brine interface below the cemented casing shoe and not exceed a test pressure gradient of 0.80 psi/ft at the cemented casing shoe.
11. After nitrogen/brine interface is located sufficiently below the cemented casing shoe stop nitrogen injection and shut well in for a short stabilization period.
12. Shut in for 30 minutes – Monitor pressures, interface location, and check wellhead for possible leak paths.
13. Complete post injection density logs

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FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 1
Mechanical Integrity Test

Project No.: F140

Date: March 2008

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Well: No. 1

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35954

Operator: Western Refining Company, LP

Location: Jal

Status: State LPG Well

- a. Post Injection Density Log – (TD' – 1450').
- b. Record wellhead pressures.
- c. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- d. All depths are approximate

14. Remove logging tools and shut well for the stabilization period.

15. Complete test calculations based on wellhead pressure measurements, nitrogen volume measurements, wellbore temperatures, and interface locations.

- a. Refer to Test Calculations Section

Test Initialization

16. Move in and rig up wireline unit, logging tools, and pressure equipment.

17. Complete initial density log and wellbore temperature log

- a. Base Temperature Log – (0' – TD')
- b. Initial Density Log – (TD' – 1450')
- c. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- d. All depths are approximate

18. Shut well in for test period – Minimum of 24 hours

Test Finalization

19. After planned test duration, move in and rig up wireline unit, logging tools, and pressure equipment.

- a. Complete final density log and wellbore temperature log
- b. Final Temperature Log – (0' – TD')
- c. Final Density Log – (TD' – 1450')
- d. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- e. All depths are approximate

20. Determine if the test is complete based on results or if the test should be extended. Repeat Steps 15 - 17 if required.

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LONQUIST**FIELD SERVICE****WELL TEST****Western Refining Company, LP
Well No. 1
Mechanical Integrity Test****Project No.: F140****Date: March 2008****Page: 4 of 10****Well: No. 1****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35954****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well****Nitrogen/Brine Interface Test Calculations**

The test methodology proposed in this procedure is developed using the industry standard nitrogen/brine interface test method.

The wellhead pressures and temperature, wellbore temperatures, nitrogen volumes, and interface location will be recorded throughout the test period and will allow for the calculation of the borehole volumes, test sensitivity, minimum test durations, and final test calculations.

All test calculations are based on the following measured parameters: wellhead pressure, nitrogen volumes, annular casing unit volume, wellbore temperatures, and interface locations. In addition to the measured parameters, the following calculated parameters are important in completing the test: unit borehole volume, MDLR, and test length.

To evaluate the test the calculated nitrogen volume/mass at the start of the test is compared to the calculated nitrogen volume/mass at the end of the test. This rate of volume change and it's comparison to the test sensitivity is one of the components in determining the final results of the MIT.

TEST SENSITIVITY AND TEST LENGTH

Test sensitivity calculations are the functions of three factors:

Borehole volume – Determined from nitrogen measurement and sonar surveys

Log Resolution – Recommended: 5":100' logging scale

Minimum test duration – 24 hours

The test sensitivity is defined at the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	Minimum Detectable Leak Rate (bbl/year)
B _v	=	Borehole Volume (bbbls/ft)
L _R	=	Log Resolution (feet)
T _c	=	Time Constant (365 days/year)
T _L	=	Test Length (days)

Using the MDLR method a reasonable and acceptable test accuracy and sensitivity can be calculated for the Mechanical Integrity Test. The MDLR calculation is based on downhole measurements of the test conditions.

The MDLR must be less than 1000 bbl/year for the designated test period. The length of the test must a minimum of

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Well No. 1
Mechanical Integrity Test

Project No.: F140

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24 hours and sufficient in length to keep the MDLR below 1000 bbl/year and allow for a proper evaluation of the well test.

TEST EVALUATIONS

The volume/mass of nitrogen located in the wellbore can be affected by following: temperature stabilization, cavern leaching/creep, and volume changes. Using P-V-T gas calculations, any changes in the volume/mass of the nitrogen in the wellbore can be evaluated based on wellbore temperature changes, pressure changes, and/or wellbore leakage.

Pressure Calculations

The average wellbore pressure is calculated based on the wellhead surface pressure, wellbore temperature, and depth of the specific interval. The following equation is used to calculate the average wellbore pressure

$$(P_A)_i = (P_A)_{i-1} \left[1 + \left(\frac{D}{(R)(Z_A)_i(T)_i} \right) \right]$$

Where:

$(P_A)_i$	=	Pressure @ Depth Interval (Calculated) (psia)
$(P_A)_{i-1}$	=	Pressure @ Previous Depth Interval (Calculated) (psi)
D	=	Depth Interval (ft)
$(Z_A)_i$	=	Gas Compressibility Factor @ Depth Interval
R	=	Specific Gas Constant
$(T)_i$	=	Wellbore Temperature ($^{\circ}$ R)

Nitrogen Calculations

The following calculation is used to calculate the volume/mass of nitrogen for specific intervals over the entire wellbore at the start and end of the test period:

$$(N_2)_i = \left(\frac{[(P_A)_i * (B_v)_i]}{[(Z_A)_i * (T_A)_i * R]} \right) * N_{GC}$$

Where:

$(N_2)_i$	=	Nitrogen Volume (SCF)
$(P_A)_i$	=	Average Wellbore Pressure (psi)
$(B_v)_i$	=	Wellbore Volume (ft ³)

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$(Z_A)_i$ = Gas Compressibility Factor
 $(T_A)_i$ = Wellbore Temperature ($^{\circ}$ R)
 R = Specific Gas Constant
 N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb)

Upon completion of each specific volume/mass calculation the sum of the each interval is calculated to determine the volume/mass of nitrogen in the wellbore at the beginning of the test. After the test is complete the calculation and summation is repeated to determine the final test results.

The following equations represent the summation of the intervals to the nitrogen/brine interface at the start and completion of the test:

$$(V_I) = \sum_o^{I/F} (N_2)_i$$

$$(V_F) = \sum_o^{I/F} (N_2)_i$$

The results of the beginning and completion of the test are compared and evaluated to determine the change in nitrogen volume during the test period. The following equation is used for the comparison:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB}) = Nitrogen Volume Change (ft^3) – Wellbore Conditions
 (Z_A) = Average Gas Compressibility Factor for Test Period
 (T_A) = Average Wellbore Temperature ($^{\circ}$ R) for Test Period
 R = Specific Gas Constant
 $(\Delta V)_{STP}$ = Nitrogen Volume Change (SCF) – Standard Conditions
 (P_A) = Average Wellbore Pressure for Test Period (psi)
 N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb)

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Well No. 1
Mechanical Integrity Test****Project No.: F140****Date: March 2008****Page: 7 of 10****Well: No. 1****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35954****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well**

The change in wellbore volume for the test period is converted into a calculated annual volume change. The following equation determines this volume change:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(hr/day) * 365(day/yr)]}{T_L}$$

Where:

(ΔV_{ANNUAL}) = Calculated Volume Change (bbls/year)
 (ΔV_{WB}) = Nitrogen Volume Change (ft³) – Wellbore Conditions
 (T_L) = Test Length (hrs)

A positive change in wellbore volume indicates a calculated loss of nitrogen from the wellbore during the test period. A negative change in wellbore volume indicates a calculated increase (apparent nitrogen influx) in nitrogen volume during the test period.

Pass/Fail Criteria

Test results are evaluated for a successful test using the following criteria:

- MDLR less than 1000 bbls/day
- Calculated Annual Volume Change less than the MDLR
- Pressure response, wellbore temperature, and interface movement should respond in a way that represents the cavern has mechanical integrity

Test Reporting

A written report will be prepared within 30 days of completion and submitted to the Oil Conservation Division of New Mexico. The report will include the test procedures, test chronology, test results and conclusions, wireline logs, pressure information, and all supporting documentation.

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Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

TEST PLANNING SHEET

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
Parish:	Lea
Field:	Jal Station
Serial Number:	30-025-35954
UIC Number	0

WELL INFORMATION

Cemented Casing			Casing Liner		
Casing Size	7	inches	Casing Size	5 1/2	inches
Casing ID	6.456	inches	Casing ID	4.825	inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1521	feet	Depth	1480	feet

Hanging String No. 1			Hanging String No. 2		
Casing Size	2 7/8	inches	Casing Size		inches
Casing ID	2.441	inches	Casing ID		inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1976	feet	Depth		feet

Cavern

Cavern Size	201,000	bbls
Compressibility	0.61	bbls/psi
Cavern TD	2050	feet

TEST INFORMATION

Effective Casing Shoe	1521	feet	Casing Shoe Pressure	1140.75	psi
Test Gradient	0.75	psi/ft	Interface Pressure	1141.31	psi
Brine Specific Gravity	1.2		Surface Tubing Pressure	343.72	psi
Nitrogen Temperature	65	deg F	Surface Annulus Pressure	1083.02	psi
Interface Depth	1535	feet	Pressure Increase	55.69	psi
Gas Compressibility	0.9983		Conversion	14.70	psi

Volume			Nitrogen		
Annular Volume No. 1	0.015	bbls/ft	Surface to Casing Shoe	9834.689	SCF
Annular Volume No. 2	0.032	bbls/ft	Casing Shoe to Interface	4844.098	SCF
Surface to Liner Shoe	21.59	bbls	Total	14678.79	SCF
Surface to Casing Shoe	1.331	bbls	Brine		
Casing Shoe to Interface	11	bbls	Cavern Pre-Pressure	288.04	psi
Total	33.92	bbls	Brine Injection	175.44	bbls

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Western Refining Company, LP
Well No. 1
Mechanical Integrity Test

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Well: No. 1

State: New Mexico

County: LEA

Field: Jal Station

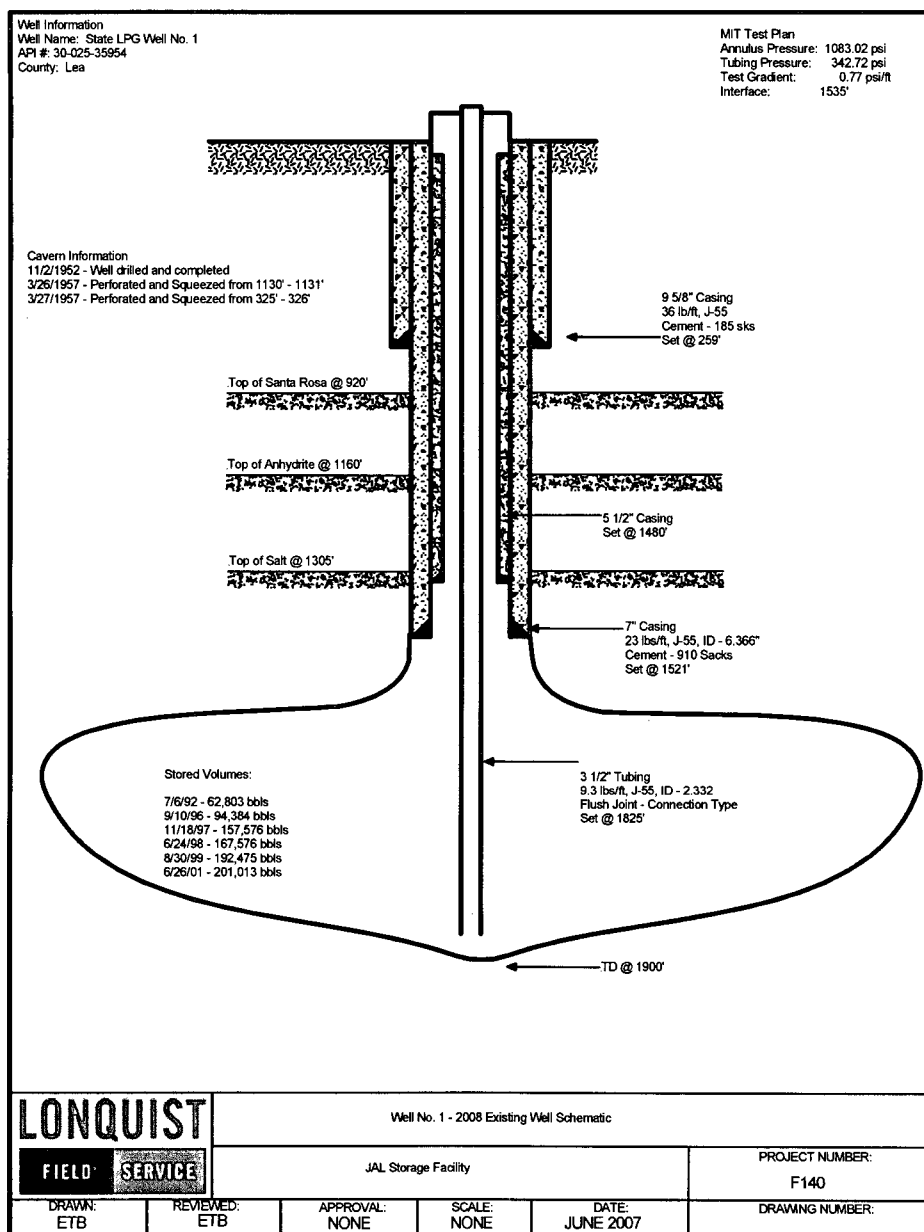
API: 30-025-35954

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

WELL SCHEMATIC



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Project No.: F140

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Well: No. 1

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35954

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

CONTACT INFORMATION

Well Owner

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- Ken Parker – Site Manager
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 - Mobile – (915) 471-1607
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Engineering Consultants

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Austin, Texas 78746

- Eric Busch – Operations Manager
 - Telephone – (832) 216-0785
 - Fax – (512) 732-9816
 - Email – eric@lonquistfieldservice.com
- Tadd J Busch – Underground Storage Engineer
 - Telephone – (701) 306 8580
 - Fax – (512) 732-9816
 - Email – tadd@lonquistfieldservice.com

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Appendix B – Injection Pressure Data

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 11:37:06	442.68	80.74	24.46	80.51	87.14	0.00	0.00
4/22 11:37:36	439.01	80.80	24.46	80.56	91.76	0.00	1.18
4/22 11:38:06	450.04	80.86	24.43	80.63	80.52	52.49	9.98
4/22 11:38:36	451.26	80.93	24.70	80.68	82.30	0.00	14.05
4/22 11:39:06	460.57	80.98	24.98	80.74	86.28	0.00	14.05
4/22 11:39:36	471.48	81.01	25.29	80.79	88.06	191.74	72.07
4/22 11:40:06	482.40	81.04	25.69	80.84	89.11	203.30	168.95
4/22 11:40:36	493.26	81.08	26.07	80.90	89.60	209.30	270.91
4/22 11:41:06	503.93	81.13	25.76	80.94	89.84	211.96	375.99
4/22 11:41:36	514.33	81.19	26.05	81.00	89.98	213.40	482.39
4/22 11:42:06	524.24	81.26	27.50	81.07	90.05	215.71	589.85
4/22 11:42:36	533.83	81.33	27.72	81.14	90.05	217.43	697.89
4/22 11:43:06	543.23	81.40	28.11	81.20	89.99	220.30	807.01
4/22 11:43:36	552.28	81.48	27.53	81.28	89.90	219.94	916.91
4/22 11:44:06	560.93	81.56	27.93	81.36	89.75	218.40	1026.51
4/22 11:44:36	569.36	81.66	29.32	81.44	89.58	220.03	1136.51
4/22 11:45:06	577.78	81.74	29.51	81.51	89.42	220.80	1246.79
4/22 11:45:36	585.96	81.81	29.83	81.57	89.25	219.82	1356.83
4/22 11:46:06	593.90	81.90	30.17	81.64	89.05	217.52	1466.73
4/22 11:46:36	601.86	81.99	30.47	81.71	88.88	219.37	1576.44
4/22 11:47:06	609.60	82.07	30.78	81.78	88.67	219.51	1686.02
4/22 11:47:36	617.65	82.15	31.08	81.86	88.49	253.66	1798.76
4/22 11:48:06	624.94	82.24	31.41	81.92	88.24	214.53	1914.08
4/22 11:48:36	632.05	82.32	31.68	81.99	88.08	217.51	2021.37
4/22 11:49:06	638.95	82.42	31.22	82.07	87.87	218.28	2129.53
4/22 11:49:36	645.94	82.51	30.95	82.15	87.64	218.42	2238.14
4/22 11:50:06	652.83	82.61	31.97	82.24	87.38	220.79	2347.30
4/22 11:50:36	659.46	82.71	31.56	82.32	87.12	217.27	2457.08
4/22 11:51:06	666.16	82.82	33.19	82.41	86.83	226.63	2567.30
4/22 11:51:36	672.84	82.92	33.44	82.49	86.54	227.77	2681.17
4/22 11:52:06	679.24	83.01	33.62	82.58	86.24	222.06	2792.98
4/22 11:52:36	685.57	83.11	32.45	82.67	85.98	220.89	2904.47
4/22 11:53:06	691.88	83.21	32.82	82.76	85.72	222.15	3015.64
4/22 11:53:36	697.97	83.30	34.49	82.86	85.49	221.69	3126.53
4/22 11:54:06	703.86	83.40	34.63	82.94	85.24	219.90	3237.15
4/22 11:54:36	709.81	83.50	34.87	83.02	85.06	220.91	3347.66
4/22 11:55:06	715.61	83.57	35.09	83.11	84.89	222.39	3458.46
4/22 11:55:36	721.42	83.65	35.33	83.20	84.81	220.34	3569.49
4/22 11:56:06	727.00	83.73	34.82	83.28	84.77	215.51	3677.73
4/22 11:56:36	732.67	83.82	34.58	83.37	84.76	217.14	3786.53
4/22 11:57:06	738.11	83.92	36.37	83.45	84.78	221.34	3896.37
4/22 11:57:36	743.65	84.02	36.45	83.55	84.82	217.69	4006.34
4/22 11:58:06	749.09	84.12	36.51	83.65	84.88	221.87	4116.79

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 11:58:36	754.45	84.24	36.72	83.77	84.96	220.69	4226.85
4/22 11:59:06	759.82	84.34	36.93	83.87	85.05	219.51	4336.43
4/22 11:59:36	764.83	84.44	37.13	83.97	85.13	220.88	4446.64
4/22 12:00:06	770.00	84.54	37.31	84.08	85.19	225.07	4558.29
4/22 12:00:36	775.10	84.64	38.22	84.18	85.21	223.75	4670.52
4/22 12:01:06	779.39	84.75	37.85	84.29	85.22	0.00	4762.92
4/22 12:01:36	779.59	84.84	37.90	84.40	85.43	104.09	4789.45
4/22 12:02:06	784.13	84.93	37.98	84.50	85.03	208.10	4878.79
4/22 12:02:36	787.79	85.03	38.17	84.61	85.10	214.80	4985.22
4/22 12:03:06	789.85	85.11	38.37	84.71	85.14	1.39	5078.46
4/22 12:03:36	789.55	85.21	37.89	84.83	85.38	0.00	5078.46
4/22 12:04:06	789.54	85.33	38.35	84.93	85.70	0.00	5078.46
4/22 12:04:36	789.51	85.44	38.34	85.07	85.95	0.00	5078.46
4/22 12:05:06	789.51	85.52	38.34	85.18	86.24	0.00	5078.46
4/22 12:05:36	789.49	85.64	38.29	85.31	86.49	0.00	5078.46
4/22 12:06:06	789.47	85.78	38.36	85.46	86.75	0.00	5078.46
4/22 12:06:36	789.45	85.95	38.35	85.59	86.97	0.00	5078.46
4/22 12:07:06	789.43	86.11	38.35	85.76	87.21	0.00	5078.46
4/22 12:07:36	789.41	86.26	38.34	85.91	87.44	0.00	5078.46
4/22 12:08:06	789.41	86.43	38.31	86.06	87.69	0.00	5078.46
4/22 12:08:36	789.38	86.57	38.30	86.22	87.93	0.00	5078.46
4/22 12:09:06	789.38	86.72	38.29	86.35	88.11	0.00	5078.46
4/22 12:09:36	789.36	86.85	38.28	86.48	88.32	0.00	5078.46
4/22 12:10:06	789.36	86.96	38.27	86.59	88.53	0.00	5078.46
4/22 12:10:36	789.34	87.07	38.26	86.71	88.68	0.00	5078.46
4/22 12:11:06	789.33	87.17	37.91	86.83	88.85	0.00	5078.46
4/22 12:11:36	789.34	87.28	37.86	86.93	89.06	0.00	5078.46
4/22 12:12:06	789.33	87.39	38.36	87.05	89.25	0.00	5078.46
4/22 12:12:36	789.33	87.52	38.22	87.19	89.46	0.00	5078.46
4/22 12:13:06	789.32	87.64	38.21	87.32	89.67	0.00	5078.46
4/22 12:13:36	789.30	87.75	38.21	87.44	89.88	0.00	5078.46
4/22 12:14:06	789.29	87.88	38.19	87.56	90.06	0.00	5078.46
4/22 12:14:36	789.29	87.98	38.20	87.68	90.22	0.00	5078.46
4/22 12:15:06	789.27	88.10	38.19	87.79	90.41	0.00	5078.46
4/22 12:15:36	789.28	88.22	38.17	87.92	90.52	0.00	5078.46
4/22 12:16:06	789.27	88.32	38.16	88.03	90.64	0.00	5078.46
4/22 12:16:36	789.27	88.40	38.16	88.12	90.72	0.00	5078.46
4/22 12:17:06	789.27	88.47	38.15	88.19	90.77	0.00	5078.46
4/22 12:17:36	789.26	88.52	38.14	88.26	90.82	0.00	5078.46
4/22 12:18:06	789.25	88.53	38.12	88.32	90.84	0.00	5078.46
4/22 12:18:36	789.24	88.47	38.14	88.38	90.81	0.00	5078.46
4/22 12:19:06	789.25	88.40	38.11	88.42	90.78	0.00	5078.46
4/22 12:19:36	789.24	88.33	38.10	88.46	90.80	0.00	5078.46

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 12:20:06	789.24	88.28	38.09	88.49	90.82	0.00	5078.46
4/22 12:20:36	789.24	88.24	38.08	88.51	90.49	0.00	5078.46
4/22 12:21:06	789.24	88.23	38.08	88.54	90.21	0.00	5078.46
4/22 12:21:36	789.23	88.23	38.07	88.56	89.97	0.00	5078.46
4/22 12:22:06	789.23	88.24	38.07	88.60	89.75	0.00	5078.46
4/22 12:22:36	789.23	88.27	38.07	88.64	89.61	0.00	5078.46
4/22 12:23:06	789.22	88.32	38.07	88.69	89.39	0.00	5078.46
4/22 12:23:36	789.23	88.40	38.06	88.73	89.10	0.00	5078.46
4/22 12:24:06	789.22	88.48	38.06	88.80	88.82	0.00	5078.46
4/22 12:24:36	789.21	88.57	38.06	88.87	88.62	0.00	5078.46
4/22 12:25:06	789.21	88.66	38.06	88.93	88.44	0.00	5078.46
4/22 12:25:36	789.19	88.76	38.06	89.02	88.31	0.00	5078.46
4/22 12:26:06	789.19	88.86	38.05	89.10	88.19	0.00	5078.46
4/22 12:26:36	789.20	88.98	38.05	89.19	88.09	0.00	5078.46
4/22 12:27:06	789.18	89.09	38.05	89.29	88.02	0.00	5078.46
4/22 12:27:36	789.17	89.21	38.04	89.40	87.96	0.00	5078.46
4/22 12:28:06	789.17	89.32	38.04	89.50	87.91	0.00	5078.46
4/22 12:28:36	789.17	89.45	38.04	89.60	87.87	0.00	5078.46
4/22 12:29:06	789.17	89.57	38.03	89.69	87.81	0.00	5078.46
4/22 12:29:36	789.17	89.66	38.02	89.77	87.74	0.00	5078.46
4/22 12:30:06	789.17	89.75	38.02	89.85	87.70	0.00	5078.46
4/22 12:30:36	789.16	89.82	38.01	89.93	87.65	0.00	5078.46
4/22 12:31:06	789.15	89.88	38.00	89.98	87.60	0.00	5078.46
4/22 12:31:36	789.14	89.93	38.00	90.02	87.55	0.00	5078.46
4/22 12:32:06	789.14	89.97	37.99	90.07	87.52	0.00	5078.46
4/22 12:32:36	789.14	90.00	37.99	90.11	87.46	0.00	5078.46
4/22 12:33:06	789.14	90.03	37.98	90.14	87.42	0.00	5078.46
4/22 12:33:36	789.14	90.06	37.98	90.17	87.41	0.00	5078.46
4/22 12:34:06	789.13	90.08	37.98	90.21	87.40	0.00	5078.46
4/22 12:34:36	789.14	90.12	37.97	90.25	87.40	0.00	5078.46
4/22 12:35:06	789.12	90.17	37.98	90.30	87.44	0.00	5078.46
4/22 12:35:36	789.11	90.25	37.98	90.39	87.51	0.00	5078.46
4/22 12:36:06	789.11	90.36	37.98	90.51	87.61	0.00	5078.46
4/22 12:36:36	789.12	90.49	37.98	90.62	87.74	0.00	5078.46
4/22 12:37:06	789.09	90.61	37.97	90.76	87.90	0.00	5078.46
4/22 12:37:36	789.10	90.74	37.96	90.88	88.04	0.00	5078.46
4/22 12:38:06	789.09	90.83	37.95	90.98	88.16	0.00	5078.46
4/22 12:38:36	789.10	90.92	37.95	91.07	88.32	0.00	5078.46
4/22 12:39:06	789.10	90.98	37.94	91.12	88.46	0.00	5078.46
4/22 12:39:36	789.09	91.02	37.94	91.16	88.60	0.00	5078.46
4/22 12:40:06	789.09	91.05	37.94	91.22	88.78	0.00	5078.46
4/22 12:40:36	789.10	91.11	37.94	91.27	88.96	0.00	5078.46
4/22 12:41:06	789.09	91.17	37.95	91.34	89.16	0.00	5078.46

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 12:41:36	789.09	91.26	37.94	91.41	89.37	0.00	5078.46
4/22 12:42:06	789.08	91.34	37.95	91.50	89.61	0.00	5078.46
4/22 12:42:36	789.09	91.45	37.95	91.60	89.86	0.00	5078.46
4/22 12:43:06	789.07	91.53	37.94	91.68	90.12	0.00	5078.46
4/22 12:43:36	789.07	91.61	37.93	91.75	90.39	0.00	5078.46
4/22 12:44:06	789.06	91.65	37.92	91.78	90.62	0.00	5078.46
4/22 12:44:36	789.06	91.67	37.92	91.79	90.84	0.00	5078.46
4/22 12:45:06	789.06	91.67	37.92	91.78	91.06	0.00	5078.46
4/22 12:45:36	789.06	91.66	37.91	91.73	91.26	0.00	5078.46
4/22 12:46:06	789.07	91.62	37.91	91.68	91.45	0.00	5078.46
4/22 12:46:36	789.05	91.56	37.92	91.61	91.64	0.00	5078.46
4/22 12:47:06	789.05	91.51	37.91	91.53	91.88	0.00	5078.46
4/22 12:47:36	789.04	91.44	37.91	91.45	92.09	0.00	5078.46
4/22 12:48:06	789.04	91.37	37.90	91.37	92.30	0.00	5078.46
4/22 12:48:36	789.06	91.26	37.89	91.25	92.50	0.00	5078.46
4/22 12:49:06	789.05	91.15	37.89	91.12	92.70	0.00	5078.46
4/22 12:49:36	789.06	91.01	37.88	90.98	92.85	0.00	5078.46
4/22 12:50:06	789.04	90.87	37.88	90.82	93.03	0.00	5078.46
4/22 12:50:36	789.06	90.74	37.88	90.67	93.19	0.00	5078.46
4/22 12:51:06	789.05	90.59	37.87	90.52	93.33	0.00	5078.46
4/22 12:51:36	789.05	90.45	37.87	90.37	93.48	0.00	5078.46
4/22 12:52:06	789.05	90.31	37.86	90.22	93.66	0.00	5078.46
4/22 12:52:36	789.05	90.19	37.86	90.09	93.84	0.00	5078.46
4/22 12:53:06	789.05	90.09	37.86	89.97	94.07	0.00	5078.46
4/22 12:53:36	789.04	90.00	37.87	89.89	94.28	0.00	5078.46
4/22 12:54:06	789.03	89.93	37.86	89.81	94.51	0.00	5078.46
4/22 12:54:36	789.03	89.88	37.86	89.74	94.75	0.00	5078.46
4/22 12:55:06	789.02	89.84	37.85	89.68	95.01	0.00	5078.46
4/22 12:55:36	789.02	89.79	37.84	89.64	95.21	0.00	5078.46
4/22 12:56:06	789.01	89.73	37.83	89.58	95.41	0.00	5078.46
4/22 12:56:36	789.02	89.69	37.83	89.53	95.54	0.00	5078.46
4/22 12:57:06	789.01	89.62	37.82	89.47	95.69	0.00	5078.46
4/22 12:57:36	789.03	89.56	37.81	89.40	95.79	0.00	5078.46
4/22 12:58:06	789.02	89.49	37.81	89.34	95.90	0.00	5078.46
4/22 12:58:36	789.04	89.42	37.81	89.28	95.97	0.00	5078.46
4/22 12:59:06	789.02	89.36	37.80	89.22	96.04	0.00	5078.46
4/22 12:59:36	789.01	89.30	37.79	89.18	96.11	0.00	5078.46
4/22 13:00:06	789.01	89.24	37.79	89.13	96.14	0.00	5078.46
4/22 13:00:36	789.00	89.19	37.78	89.09	96.19	0.00	5078.46
4/22 13:01:06	789.01	89.17	37.78	89.06	96.23	0.00	5078.46
4/22 13:01:36	789.01	89.16	37.79	89.04	96.30	0.00	5078.46
4/22 13:02:06	788.99	89.16	37.78	89.04	96.40	0.00	5078.46
4/22 13:02:36	789.00	89.19	37.78	89.07	96.52	0.00	5078.46

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 13:03:06	789.00	89.25	37.78	89.12	96.62	0.00	5078.46
4/22 13:03:36	788.98	89.31	37.77	89.17	96.72	0.00	5078.46
4/22 13:04:06	788.98	89.41	37.77	89.25	96.83	0.00	5078.46
4/22 13:04:36	788.98	89.51	37.77	89.35	96.96	0.00	5078.46
4/22 13:05:06	788.98	89.63	37.78	89.47	97.12	0.00	5078.46
4/22 13:05:36	788.97	89.76	37.78	89.59	97.27	0.00	5078.46
4/22 13:06:06	788.96	89.89	37.78	89.72	97.42	0.00	5078.46
4/22 13:06:36	788.98	90.05	37.78	89.88	97.55	0.00	5078.46
4/22 13:07:06	788.95	90.17	37.78	90.02	97.67	0.00	5078.46
4/22 13:07:36	788.97	90.34	37.78	90.17	97.79	0.00	5078.46
4/22 13:08:06	788.94	90.47	37.77	90.31	97.90	0.00	5078.46
4/22 13:08:36	788.94	90.62	37.77	90.45	97.99	0.00	5078.46
4/22 13:09:06	788.95	90.77	37.77	90.59	98.08	0.00	5078.46
4/22 13:09:36	788.93	90.91	37.77	90.72	98.17	0.00	5078.46
4/22 13:10:06	788.94	91.03	37.77	90.85	98.20	0.00	5078.46
4/22 13:10:36	788.94	91.16	37.77	90.97	98.26	0.00	5078.46
4/22 13:11:06	788.93	91.27	37.77	91.10	98.30	0.00	5078.46
4/22 13:11:36	788.91	91.38	37.80	91.21	98.32	0.00	5078.46
4/22 13:12:06	788.91	91.48	37.78	91.33	98.35	0.00	5078.46
4/22 13:12:36	788.92	91.57	37.78	91.45	98.38	0.00	5078.46
4/22 13:13:06	788.91	91.66	37.78	91.57	98.39	0.00	5078.46
4/22 13:13:36	788.91	91.75	37.79	91.67	98.40	0.00	5078.46
4/22 13:14:06	788.91	91.85	37.79	91.81	98.45	0.00	5078.46
4/22 13:14:36	788.91	91.97	37.79	91.93	98.48	0.00	5078.46
4/22 13:15:06	788.90	92.09	37.78	92.07	98.54	0.00	5078.46
4/22 13:15:36	788.90	92.22	37.77	92.20	98.63	0.00	5078.46
4/22 13:16:06	788.90	92.35	37.78	92.31	98.71	0.00	5078.46
4/22 13:16:36	788.88	92.49	37.79	92.44	98.81	0.00	5078.46
4/22 13:17:06	788.90	92.64	37.49	92.57	98.90	0.00	5078.46
4/22 13:17:36	788.88	92.79	37.61	92.72	99.02	0.00	5078.46
4/22 13:18:06	788.88	92.97	37.79	92.90	99.15	0.00	5078.46
4/22 13:18:36	788.86	93.15	37.78	93.08	99.29	0.00	5078.46
4/22 13:19:06	788.87	93.34	37.77	93.27	99.43	0.00	5078.46
4/22 13:19:36	788.86	93.50	37.76	93.45	99.55	0.00	5078.46
4/22 13:20:06	788.86	93.64	37.76	93.60	99.62	0.00	5078.46
4/22 13:20:36	788.86	93.77	37.76	93.72	99.68	0.00	5078.46
4/22 13:21:06	788.85	93.90	37.75	93.86	99.76	0.00	5078.46
4/22 13:21:36	788.83	94.00	37.75	93.98	99.82	0.00	5078.46
4/22 13:22:06	788.86	94.12	37.75	94.10	99.89	0.00	5078.46
4/22 13:22:36	788.84	94.22	37.74	94.21	99.95	0.00	5078.46
4/22 13:23:06	788.84	94.33	37.74	94.34	100.00	0.00	5078.46
4/22 13:23:36	788.86	94.43	37.74	94.44	100.04	0.00	5078.46
4/22 13:24:06	788.83	94.51	37.73	94.53	100.11	0.00	5078.46

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 13:24:36	788.85	94.60	37.74	94.63	100.14	0.00	5078.46
4/22 13:25:06	788.84	94.69	37.74	94.72	100.18	0.00	5078.46
4/22 13:25:36	788.83	94.78	37.74	94.82	100.26	0.00	5078.46
4/22 13:26:06	788.82	94.89	37.74	94.95	100.34	0.00	5078.46
4/22 13:26:36	788.83	95.02	37.73	95.08	100.42	0.00	5078.46
4/22 13:27:06	788.82	95.16	37.74	95.23	100.51	0.00	5078.46
4/22 13:27:36	788.84	95.31	37.74	95.38	100.63	0.00	5078.46
4/22 13:28:06	788.84	95.45	37.73	95.54	100.72	0.00	5078.46
4/22 13:28:36	788.81	95.56	37.72	95.65	100.78	0.00	5078.46
4/22 13:29:06	788.82	95.63	37.71	95.74	100.84	0.00	5078.46
4/22 13:29:36	788.81	95.68	37.70	95.80	100.85	0.00	5078.46
4/22 13:30:06	788.81	95.73	37.70	95.84	100.85	0.00	5078.46
4/22 13:30:36	788.82	95.76	37.70	95.86	100.85	0.00	5078.46
4/22 13:31:06	788.80	95.78	37.70	95.90	100.86	0.00	5078.46
4/22 13:31:36	788.80	95.81	37.70	95.94	100.87	0.00	5078.46
4/22 13:32:06	788.81	95.84	37.69	95.97	100.90	0.00	5078.46
4/22 13:32:36	788.80	95.85	37.68	95.99	100.90	0.00	5078.46
4/22 13:33:06	788.81	95.84	37.68	95.99	100.86	0.00	5078.46
4/22 13:33:36	789.23	95.79	37.66	95.95	103.37	125.13	5089.36
4/22 13:34:06	790.88	95.77	37.80	95.92	103.85	153.65	5158.62
4/22 13:34:36	794.32	95.75	38.07	95.91	104.63	322.25	5291.75
4/22 13:35:06	797.76	95.74	38.38	95.90	104.49	335.96	5457.04
4/22 13:35:36	797.93	95.72	38.52	95.88	103.69	336.58	5623.96
4/22 13:36:06	798.21	95.69	38.64	95.84	102.68	345.53	5795.65
4/22 13:36:36	798.47	95.66	38.72	95.81	101.66	314.79	5958.36
4/22 13:37:06	798.74	95.63	38.84	95.77	100.67	320.90	6117.93
4/22 13:37:36	799.12	95.60	38.99	95.75	99.74	321.78	6278.42
4/22 13:38:06	798.50	95.59	39.12	95.73	99.60	0.00	6299.43
4/22 13:38:36	798.49	95.59	39.09	95.72	99.87	0.00	6299.43
4/22 13:39:06	798.47	95.60	39.09	95.73	99.99	0.00	6299.43
4/22 13:39:36	798.46	95.63	39.11	95.75	100.04	0.00	6299.43
4/22 13:40:06	798.45	95.68	39.10	95.81	100.08	0.00	6299.43
4/22 13:40:36	798.44	95.76	39.10	95.88	100.09	0.00	6299.43
4/22 13:41:06	798.42	95.88	39.10	95.99	100.12	0.00	6299.43
4/22 13:41:36	798.43	96.04	39.07	96.12	100.17	0.00	6299.43
4/22 13:42:06	798.42	96.20	39.05	96.28	100.22	0.00	6299.43
4/22 13:42:36	798.40	96.36	39.05	96.44	100.29	0.00	6299.43
4/22 13:43:06	798.42	96.50	39.04	96.59	100.32	0.00	6299.43
4/22 13:43:36	798.41	96.65	39.04	96.72	100.37	0.00	6299.43
4/22 13:44:06	798.39	96.79	39.04	96.87	100.40	0.00	6299.43
4/22 13:44:36	798.40	96.93	38.94	97.01	100.44	0.00	6299.43
4/22 13:45:06	798.38	97.07	38.83	97.13	100.49	0.00	6299.43
4/22 13:45:36	799.00	97.19	39.27	97.28	98.65	278.16	6393.60

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 13:46:06	799.40	97.32	39.35	97.39	100.65	313.02	6549.83
4/22 13:46:36	799.80	97.41	39.57	97.51	100.46	302.00	6699.64
4/22 13:47:06	800.21	97.49	39.86	97.58	99.81	308.27	6852.72
4/22 13:47:36	799.67	97.56	40.22	97.67	99.66	0.00	6888.48
4/22 13:48:06	799.65	97.61	40.04	97.73	99.87	0.00	6888.48
4/22 13:48:36	799.63	97.64	40.02	97.77	100.01	0.00	6888.48
4/22 13:49:06	799.61	97.66	40.02	97.80	100.04	0.00	6888.48
4/22 13:49:36	799.61	97.67	40.02	97.83	100.03	0.00	6888.48
4/22 13:50:06	799.60	97.68	40.01	97.84	99.98	0.00	6888.48
4/22 13:50:36	799.60	97.69	40.00	97.86	99.94	0.00	6888.48
4/22 13:51:06	799.59	97.71	39.99	97.88	99.89	0.00	6888.48
4/22 13:51:36	799.59	97.72	39.99	97.90	99.87	0.00	6888.48
4/22 13:52:06	799.58	97.74	39.98	97.92	99.82	0.00	6888.48
4/22 13:52:36	799.57	97.75	39.96	97.94	99.81	0.00	6888.48
4/22 13:53:06	799.57	97.76	39.93	97.95	99.79	0.00	6888.48
4/22 13:53:36	799.57	97.77	39.93	97.96	99.78	0.00	6888.48
4/22 13:54:06	799.57	97.81	39.93	97.99	99.77	0.00	6888.48
4/22 13:54:36	799.55	97.85	39.93	98.05	99.78	0.00	6888.48
4/22 13:55:06	799.56	97.94	39.93	98.12	99.81	0.00	6888.48
4/22 13:55:36	799.56	98.05	39.92	98.21	99.91	0.00	6888.48
4/22 13:56:06	799.56	98.14	39.92	98.29	99.99	0.00	6888.48
4/22 13:56:36	799.55	98.21	39.91	98.35	100.06	0.00	6888.48
4/22 13:57:06	799.55	98.24	39.90	98.39	100.10	0.00	6888.48
4/22 13:57:36	799.53	98.25	39.89	98.40	100.14	0.00	6888.48
4/22 13:58:06	799.54	98.26	39.89	98.41	100.18	0.00	6888.48
4/22 13:58:36	799.54	98.26	39.88	98.41	100.22	0.00	6888.48
4/22 13:59:06	799.53	98.27	39.89	98.41	100.25	0.00	6888.48
4/22 13:59:36	799.53	98.30	39.88	98.43	100.32	0.00	6888.48
4/22 14:00:06	799.51	98.34	39.88	98.46	100.42	0.00	6888.48
4/22 14:00:36	799.54	98.41	39.88	98.51	100.47	0.00	6888.48
4/22 14:01:06	799.52	98.47	39.87	98.57	100.55	0.00	6888.48
4/22 14:01:36	799.52	98.53	39.86	98.63	100.63	0.00	6888.48
4/22 14:02:06	799.50	98.59	39.86	98.68	100.71	0.00	6888.48
4/22 14:02:36	799.51	98.66	39.86	98.74	100.79	0.00	6888.48
4/22 14:03:06	799.51	98.74	39.86	98.80	100.86	0.00	6888.48
4/22 14:03:36	799.50	98.82	39.86	98.89	100.97	0.00	6888.48
4/22 14:04:06	799.49	98.94	39.86	98.99	101.09	0.00	6888.48
4/22 14:04:36	799.48	99.07	39.86	99.11	101.19	0.00	6888.48
4/22 14:05:06	799.49	99.22	39.85	99.24	101.33	0.00	6888.48
4/22 14:05:36	799.49	99.35	39.85	99.37	101.44	0.00	6888.48
4/22 14:06:06	799.47	99.46	39.68	99.50	101.74	0.00	6888.48
4/22 14:06:36	799.47	99.55	39.57	99.58	102.07	0.00	6888.48
4/22 14:07:06	799.48	99.60	39.53	99.65	102.34	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 14:07:36	799.48	99.62	39.84	99.70	102.52	0.00	6888.48
4/22 14:08:06	799.48	99.65	39.83	99.73	102.69	0.00	6888.48
4/22 14:08:36	799.47	99.68	39.83	99.78	102.83	0.00	6888.48
4/22 14:09:06	799.46	99.72	39.84	99.82	102.96	0.00	6888.48
4/22 14:09:36	799.47	99.78	39.84	99.87	103.13	0.00	6888.48
4/22 14:10:06	799.46	99.87	39.85	99.94	103.26	0.00	6888.48
4/22 14:10:36	799.44	99.97	39.83	100.04	103.44	0.00	6888.48
4/22 14:11:06	799.46	100.06	39.83	100.12	103.60	0.00	6888.48
4/22 14:11:36	799.45	100.12	39.82	100.19	103.71	0.00	6888.48
4/22 14:12:06	799.45	100.17	39.82	100.24	103.81	0.00	6888.48
4/22 14:12:36	799.44	100.19	39.81	100.27	103.88	0.00	6888.48
4/22 14:13:06	799.45	100.21	39.81	100.29	103.94	0.00	6888.48
4/22 14:13:36	799.45	100.22	39.80	100.30	103.97	0.00	6888.48
4/22 14:14:06	799.45	100.22	39.80	100.30	104.00	0.00	6888.48
4/22 14:14:36	799.45	100.21	39.80	100.30	104.02	0.00	6888.48
4/22 14:15:06	799.45	100.21	39.80	100.30	104.03	0.00	6888.48
4/22 14:15:36	799.44	100.22	39.80	100.31	104.06	0.00	6888.48
4/22 14:16:06	799.44	100.23	39.79	100.33	104.13	0.00	6888.48
4/22 14:16:36	799.44	100.25	39.79	100.35	104.19	0.00	6888.48
4/22 14:17:06	799.43	100.26	39.78	100.36	104.25	0.00	6888.48
4/22 14:17:36	799.43	100.25	39.78	100.36	104.29	0.00	6888.48
4/22 14:18:06	799.43	100.24	39.77	100.36	104.34	0.00	6888.48
4/22 14:18:36	799.43	100.23	39.77	100.35	104.38	0.00	6888.48
4/22 14:19:06	799.43	100.22	39.77	100.34	104.42	0.00	6888.48
4/22 14:19:36	799.43	100.21	39.77	100.34	104.49	0.00	6888.48
4/22 14:20:06	799.42	100.23	39.77	100.35	104.54	0.00	6888.48
4/22 14:20:36	799.44	100.30	39.77	100.40	104.62	0.00	6888.48
4/22 14:21:06	799.43	100.41	39.77	100.49	104.77	0.00	6888.48
4/22 14:21:36	799.41	100.53	39.77	100.61	104.93	0.00	6888.48
4/22 14:22:06	799.41	100.68	39.77	100.74	105.08	0.00	6888.48
4/22 14:22:36	799.42	100.83	39.77	100.89	105.26	0.00	6888.48
4/22 14:23:06	799.41	101.00	39.77	101.05	105.42	0.00	6888.48
4/22 14:23:36	799.39	101.17	39.77	101.22	105.60	0.00	6888.48
4/22 14:24:06	799.40	101.34	39.77	101.40	105.80	0.00	6888.48
4/22 14:24:36	799.39	101.50	39.76	101.57	105.96	0.00	6888.48
4/22 14:25:06	799.39	101.63	39.76	101.71	106.08	0.00	6888.48
4/22 14:25:36	799.39	101.74	39.76	101.83	106.17	0.00	6888.48
4/22 14:26:06	799.38	101.83	39.76	101.93	106.26	0.00	6888.48
4/22 14:26:36	799.39	101.93	39.75	102.03	106.36	0.00	6888.48
4/22 14:27:06	799.38	102.00	39.75	102.13	106.45	0.00	6888.48
4/22 14:27:36	799.38	102.09	39.75	102.21	106.55	0.00	6888.48
4/22 14:28:06	799.38	102.20	39.75	102.32	106.67	0.00	6888.48
4/22 14:28:36	799.37	102.31	39.76	102.43	106.79	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 14:29:06	799.38	102.42	39.76	102.56	106.90	0.00	6888.48
4/22 14:29:36	799.37	102.55	39.76	102.69	107.02	0.00	6888.48
4/22 14:30:06	799.35	102.67	39.76	102.83	107.14	0.00	6888.48
4/22 14:30:36	799.36	102.81	39.76	102.97	107.27	0.00	6888.48
4/22 14:31:06	799.37	102.93	39.76	103.10	107.40	0.00	6888.48
4/22 14:31:36	799.36	103.04	39.76	103.22	107.50	0.00	6888.48
4/22 14:32:06	799.36	103.13	39.76	103.33	107.57	0.00	6888.48
4/22 14:32:36	799.35	103.22	39.75	103.44	107.61	0.00	6888.48
4/22 14:33:06	799.35	103.26	39.75	103.53	107.64	0.00	6888.48
4/22 14:33:36	799.36	103.31	39.75	103.61	107.64	0.00	6888.48
4/22 14:34:06	799.34	103.34	39.75	103.67	107.61	0.00	6888.48
4/22 14:34:36	799.34	103.37	39.74	103.73	107.59	0.00	6888.48
4/22 14:35:06	799.33	103.39	39.74	103.78	107.55	0.00	6888.48
4/22 14:35:36	799.33	103.36	39.73	103.79	107.46	0.00	6888.48
4/22 14:36:06	799.33	103.28	39.72	103.76	107.34	0.00	6888.48
4/22 14:36:36	799.34	103.17	39.71	103.68	107.20	0.00	6888.48
4/22 14:37:06	799.37	103.04	39.70	103.58	107.03	0.00	6888.48
4/22 14:37:36	799.35	102.86	39.70	103.44	106.85	0.00	6888.48
4/22 14:38:06	799.34	102.71	39.71	103.30	106.70	0.00	6888.48
4/22 14:38:36	799.34	102.57	39.71	103.18	106.58	0.00	6888.48
4/22 14:39:06	799.33	102.47	39.72	103.09	106.49	0.00	6888.48
4/22 14:39:36	799.35	102.43	39.71	103.04	106.45	0.00	6888.48
4/22 14:40:06	799.34	102.41	39.72	103.02	106.45	0.00	6888.48
4/22 14:40:36	799.34	102.42	39.72	103.03	106.47	0.00	6888.48
4/22 14:41:06	799.34	102.47	39.72	103.07	106.54	0.00	6888.48
4/22 14:41:36	799.34	102.54	39.72	103.13	106.63	0.00	6888.48
4/22 14:42:06	799.34	102.62	39.72	103.20	106.71	0.00	6888.48
4/22 14:42:36	799.33	102.71	39.72	103.28	106.80	0.00	6888.48
4/22 14:43:06	799.33	102.78	39.72	103.36	106.86	0.00	6888.48
4/22 14:43:36	799.33	102.86	39.73	103.43	106.91	0.00	6888.48
4/22 14:44:06	799.35	102.94	39.73	103.52	106.95	0.00	6888.48
4/22 14:44:36	799.31	103.04	39.73	103.62	106.99	0.00	6888.48
4/22 14:45:06	799.32	103.14	39.73	103.73	107.05	0.00	6888.48
4/22 14:45:36	799.32	103.27	39.73	103.86	107.15	0.00	6888.48
4/22 14:46:06	799.31	103.38	39.73	103.98	107.22	0.00	6888.48
4/22 14:46:36	799.31	103.52	39.73	104.10	107.34	0.00	6888.48
4/22 14:47:06	799.32	103.66	39.72	104.22	107.46	0.00	6888.48
4/22 14:47:36	799.27	103.79	39.71	104.35	107.64	0.00	6888.48
4/22 14:48:06	799.30	103.89	39.71	104.45	107.75	0.00	6888.48
4/22 14:48:36	799.29	103.97	39.71	104.52	107.87	0.00	6888.48
4/22 14:49:06	799.29	104.02	39.70	104.60	107.96	0.00	6888.48
4/22 14:49:36	799.31	104.07	39.70	104.65	108.04	0.00	6888.48
4/22 14:50:06	799.30	104.09	39.70	104.68	108.12	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 14:50:36	799.29	104.12	39.70	104.72	108.20	0.00	6888.48
4/22 14:51:06	799.29	104.15	39.69	104.75	108.26	0.00	6888.48
4/22 14:51:36	799.29	104.18	39.70	104.78	108.34	0.00	6888.48
4/22 14:52:06	799.31	104.23	39.70	104.84	108.43	0.00	6888.48
4/22 14:52:36	799.27	104.27	39.69	104.89	108.52	0.00	6888.48
4/22 14:53:06	799.28	104.31	39.69	104.93	108.60	0.00	6888.48
4/22 14:53:36	799.29	104.34	39.68	104.96	108.66	0.00	6888.48
4/22 14:54:06	799.28	104.36	39.69	104.99	108.71	0.00	6888.48
4/22 14:54:36	799.28	104.40	39.68	105.02	108.74	0.00	6888.48
4/22 14:55:06	799.27	104.43	39.68	105.06	108.77	0.00	6888.48
4/22 14:55:36	799.27	104.45	39.69	105.10	108.79	0.00	6888.48
4/22 14:56:06	799.28	104.49	39.68	105.14	108.79	0.00	6888.48
4/22 14:56:36	799.26	104.52	39.67	105.18	108.79	0.00	6888.48
4/22 14:57:06	799.27	104.54	39.66	105.19	108.81	0.00	6888.48
4/22 14:57:36	799.27	104.53	39.67	105.20	108.82	0.00	6888.48
4/22 14:58:06	799.27	104.52	39.66	105.19	108.82	0.00	6888.48
4/22 14:58:36	799.28	104.49	39.66	105.17	108.82	0.00	6888.48
4/22 14:59:06	799.27	104.44	39.64	105.13	108.83	0.00	6888.48
4/22 14:59:36	799.26	104.38	39.65	105.07	108.83	0.00	6888.48
4/22 15:00:06	799.27	104.33	39.65	105.02	108.84	0.00	6888.48
4/22 15:00:36	799.26	104.28	39.65	104.95	108.86	0.00	6888.48
4/22 15:01:06	799.25	104.25	39.64	104.91	108.88	0.00	6888.48
4/22 15:01:36	799.27	104.17	39.63	104.83	108.86	0.00	6888.48
4/22 15:02:06	799.26	104.07	39.62	104.75	108.81	0.00	6888.48
4/22 15:02:36	799.28	103.94	39.61	104.61	108.71	0.00	6888.48
4/22 15:03:06	799.27	103.76	39.60	104.45	108.55	0.00	6888.48
4/22 15:03:36	799.27	103.56	39.60	104.28	108.38	0.00	6888.48
4/22 15:04:06	799.28	103.35	39.59	104.08	108.15	0.00	6888.48
4/22 15:04:36	799.29	103.14	39.59	103.89	107.96	0.00	6888.48
4/22 15:05:06	799.30	102.94	39.58	103.70	107.74	0.00	6888.48
4/22 15:05:36	799.29	102.74	39.58	103.49	107.57	0.00	6888.48
4/22 15:06:06	799.28	102.54	39.57	103.30	107.38	0.00	6888.48
4/22 15:06:36	799.30	102.36	39.57	103.11	107.20	0.00	6888.48
4/22 15:07:06	799.29	102.19	39.57	102.95	107.05	0.00	6888.48
4/22 15:07:36	799.29	102.03	39.57	102.79	106.90	0.00	6888.48
4/22 15:08:06	799.27	101.89	39.57	102.63	106.76	0.00	6888.48
4/22 15:08:36	799.26	101.75	39.57	102.51	106.64	0.00	6888.48
4/22 15:09:06	799.29	101.64	39.57	102.38	106.53	0.00	6888.48
4/22 15:09:36	799.28	101.54	39.57	102.29	106.45	0.00	6888.48
4/22 15:10:06	799.27	101.47	39.57	102.21	106.39	0.00	6888.48
4/22 15:10:36	799.27	101.45	39.58	102.14	106.35	0.00	6888.48
4/22 15:11:06	799.27	101.44	39.58	102.12	106.35	0.00	6888.48
4/22 15:11:36	799.27	101.48	39.59	102.12	106.40	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 15:12:06	799.26	101.55	39.57	102.16	106.52	0.00	6888.48
4/22 15:12:36	799.26	101.61	39.56	102.21	106.60	0.00	6888.48
4/22 15:13:06	799.26	101.63	39.56	102.23	106.62	0.00	6888.48
4/22 15:13:36	799.26	101.64	39.57	102.24	106.61	0.00	6888.48
4/22 15:14:06	799.25	101.64	39.57	102.25	106.59	0.00	6888.48
4/22 15:14:36	799.25	101.67	39.57	102.28	106.57	0.00	6888.48
4/22 15:15:06	799.24	101.72	39.57	102.32	106.57	0.00	6888.48
4/22 15:15:36	799.25	101.78	39.57	102.36	106.60	0.00	6888.48
4/22 15:16:06	799.24	101.84	39.57	102.42	106.64	0.00	6888.48
4/22 15:16:36	799.24	101.91	39.57	102.47	106.68	0.00	6888.48
4/22 15:17:06	799.24	101.99	39.57	102.53	106.74	0.00	6888.48
4/22 15:17:36	799.22	102.08	39.57	102.61	106.83	0.00	6888.48
4/22 15:18:06	799.23	102.17	39.57	102.70	106.90	0.00	6888.48
4/22 15:18:36	799.22	102.25	39.56	102.77	106.98	0.00	6888.48
4/22 15:19:06	799.23	102.31	39.56	102.83	107.04	0.00	6888.48
4/22 15:19:36	799.21	102.36	39.55	102.87	107.09	0.00	6888.48
4/22 15:20:06	799.20	102.39	39.55	102.88	107.12	0.00	6888.48
4/22 15:20:36	799.21	102.41	39.55	102.90	107.14	0.00	6888.48
4/22 15:21:06	799.20	102.43	39.54	102.91	107.15	0.00	6888.48
4/22 15:21:36	799.20	102.45	39.55	102.94	107.17	0.00	6888.48
4/22 15:22:06	799.19	102.45	39.54	102.95	107.18	0.00	6888.48
4/22 15:22:36	799.19	102.46	39.54	102.96	107.19	0.00	6888.48
4/22 15:23:06	799.19	102.46	39.53	102.97	107.18	0.00	6888.48
4/22 15:23:36	799.19	102.45	39.53	102.97	107.16	0.00	6888.48
4/22 15:24:06	799.19	102.42	39.53	102.95	107.12	0.00	6888.48
4/22 15:24:36	799.19	102.40	39.53	102.93	107.09	0.00	6888.48
4/22 15:25:06	799.20	102.40	39.54	102.93	107.09	0.00	6888.48
4/22 15:25:36	799.20	102.45	39.55	102.96	107.13	0.00	6888.48
4/22 15:26:06	799.21	102.55	39.55	103.04	107.18	0.00	6888.48
4/22 15:26:36	799.18	102.65	39.55	103.16	107.26	0.00	6888.48
4/22 15:27:06	799.19	102.77	39.55	103.29	107.32	0.00	6888.48
4/22 15:27:36	799.18	102.89	39.55	103.39	107.43	0.00	6888.48
4/22 15:28:06	799.16	102.97	39.55	103.50	107.50	0.00	6888.48
4/22 15:28:36	799.20	103.07	39.55	103.60	107.54	0.00	6888.48
4/22 15:29:06	799.19	103.19	39.56	103.71	107.62	0.00	6888.48
4/22 15:29:36	799.17	103.29	39.56	103.84	107.71	0.00	6888.48
4/22 15:30:06	799.18	103.43	39.56	103.95	107.81	0.00	6888.48
4/22 15:30:36	799.16	103.54	39.55	104.08	107.87	0.00	6888.48
4/22 15:31:06	799.17	103.63	39.55	104.18	107.92	0.00	6888.48
4/22 15:31:36	799.15	103.69	39.54	104.25	107.96	0.00	6888.48
4/22 15:32:06	799.15	103.75	39.54	104.31	107.97	0.00	6888.48
4/22 15:32:36	799.16	103.80	39.54	104.36	107.97	0.00	6888.48
4/22 15:33:06	799.15	103.83	39.54	104.40	107.98	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 15:33:36	799.15	103.85	39.54	104.43	107.99	0.00	6888.48
4/22 15:34:06	799.15	103.88	39.53	104.45	107.99	0.00	6888.48
4/22 15:34:36	799.15	103.89	39.53	104.47	108.00	0.00	6888.48
4/22 15:35:06	799.15	103.92	39.54	104.49	108.00	0.00	6888.48
4/22 15:35:36	799.15	103.96	39.54	104.52	108.02	0.00	6888.48
4/22 15:36:06	799.16	104.01	39.54	104.58	108.04	0.00	6888.48
4/22 15:36:36	799.14	104.07	39.54	104.64	108.10	0.00	6888.48
4/22 15:37:06	799.15	104.15	39.54	104.70	108.18	0.00	6888.48
4/22 15:37:36	799.14	104.19	39.53	104.75	108.25	0.00	6888.48
4/22 15:38:06	799.14	104.22	39.52	104.79	108.31	0.00	6888.48
4/22 15:38:36	799.14	104.23	39.52	104.81	108.35	0.00	6888.48
4/22 15:39:06	799.14	104.23	39.52	104.81	108.41	0.00	6888.48
4/22 15:39:36	799.13	104.22	39.51	104.81	108.45	0.00	6888.48
4/22 15:40:06	799.13	104.20	39.50	104.80	108.49	0.00	6888.48
4/22 15:40:36	799.15	104.15	39.50	104.77	108.52	0.00	6888.48
4/22 15:41:06	799.13	104.08	39.50	104.70	108.53	0.00	6888.48
4/22 15:41:36	799.13	103.99	39.49	104.63	108.52	0.00	6888.48
4/22 15:42:06	799.15	103.94	39.49	104.55	108.51	0.00	6888.48
4/22 15:42:36	799.14	103.85	39.48	104.47	108.51	0.00	6888.48
4/22 15:43:06	799.14	103.77	39.48	104.38	108.50	0.00	6888.48
4/22 15:43:36	799.12	103.69	39.49	104.27	108.48	0.00	6888.48
4/22 15:44:06	799.14	103.63	39.49	104.23	108.47	0.00	6888.48
4/22 15:44:36	799.13	103.61	39.50	104.19	108.48	0.00	6888.48
4/22 15:45:06	799.12	103.60	39.50	104.18	108.51	0.00	6888.48
4/22 15:45:36	799.11	103.62	39.49	104.19	108.56	0.00	6888.48
4/22 15:46:06	799.13	103.67	39.49	104.22	108.62	0.00	6888.48
4/22 15:46:36	799.12	103.71	39.50	104.26	108.68	0.00	6888.48
4/22 15:47:06	799.14	103.79	39.50	104.30	108.75	0.00	6888.48
4/22 15:47:36	799.11	103.85	39.51	104.38	108.82	0.00	6888.48
4/22 15:48:06	799.12	103.95	39.51	104.45	108.90	0.00	6888.48
4/22 15:48:36	799.11	104.04	39.51	104.55	109.01	0.00	6888.48
4/22 15:49:06	799.10	104.16	39.51	104.66	109.09	0.00	6888.48
4/22 15:49:36	799.12	104.26	39.51	104.75	109.15	0.00	6888.48
4/22 15:50:06	799.11	104.37	39.50	104.84	109.21	0.00	6888.48
4/22 15:50:36	799.10	104.45	39.50	104.95	109.25	0.00	6888.48
4/22 15:51:06	799.10	104.53	39.49	105.02	109.29	0.00	6888.48
4/22 15:51:36	799.09	104.59	39.49	105.09	109.30	0.00	6888.48
4/22 15:52:06	799.09	104.62	39.48	105.12	109.28	0.00	6888.48
4/22 15:52:36	799.08	104.63	39.48	105.14	109.24	0.00	6888.48
4/22 15:53:06	799.08	104.62	39.47	105.15	109.15	0.00	6888.48
4/22 15:53:36	799.08	104.59	39.46	105.13	109.08	0.00	6888.48
4/22 15:54:06	799.09	104.56	39.46	105.10	108.98	0.00	6888.48
4/22 15:54:36	799.08	104.51	39.46	105.07	108.88	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 15:55:06	799.08	104.49	39.46	105.04	108.78	0.00	6888.48
4/22 15:55:36	799.08	104.44	39.46	105.01	108.69	0.00	6888.48
4/22 15:56:06	799.07	104.41	39.46	104.98	108.58	0.00	6888.48
4/22 15:56:36	799.07	104.38	39.45	104.95	108.50	0.00	6888.48
4/22 15:57:06	799.07	104.36	39.45	104.92	108.42	0.00	6888.48
4/22 15:57:36	799.07	104.34	39.45	104.90	108.34	0.00	6888.48
4/22 15:58:06	799.07	104.32	39.44	104.88	108.27	0.00	6888.48
4/22 15:58:36	799.08	104.27	39.43	104.83	108.19	0.00	6888.48
4/22 15:59:06	799.06	104.18	39.42	104.75	108.05	0.00	6888.48
4/22 15:59:36	799.08	104.07	39.42	104.65	107.88	0.00	6888.48
4/22 16:00:06	799.10	103.95	39.42	104.54	107.70	0.00	6888.48
4/22 16:00:36	799.06	103.84	39.42	104.43	107.53	0.00	6888.48
4/22 16:01:06	799.08	103.77	39.42	104.36	107.38	0.00	6888.48
4/22 16:01:36	799.08	103.70	39.42	104.29	107.23	0.00	6888.48
4/22 16:02:06	799.07	103.65	39.43	104.23	107.12	0.00	6888.48
4/22 16:02:36	799.07	103.63	39.43	104.20	107.03	0.00	6888.48
4/22 16:03:06	799.06	103.61	39.43	104.17	106.95	0.00	6888.48
4/22 16:03:36	799.07	103.60	39.43	104.15	106.88	0.00	6888.48
4/22 16:04:06	799.07	103.61	39.44	104.15	106.83	0.00	6888.48
4/22 16:04:36	799.08	103.64	39.44	104.16	106.80	0.00	6888.48
4/22 16:05:06	799.07	103.69	39.44	104.21	106.82	0.00	6888.48
4/22 16:05:36	799.06	103.78	39.44	104.27	106.86	0.00	6888.48
4/22 16:06:06	799.05	103.87	39.44	104.35	106.93	0.00	6888.48
4/22 16:06:36	799.07	103.97	39.43	104.43	107.01	0.00	6888.48
4/22 16:07:06	799.06	104.04	39.42	104.50	107.08	0.00	6888.48
4/22 16:07:36	799.06	104.10	39.42	104.54	107.14	0.00	6888.48
4/22 16:08:06	799.06	104.14	39.42	104.59	107.22	0.00	6888.48
4/22 16:08:36	799.06	104.19	39.42	104.63	107.26	0.00	6888.48
4/22 16:09:06	799.06	104.25	39.43	104.68	107.35	0.00	6888.48
4/22 16:09:36	799.04	104.33	39.44	104.73	107.44	0.00	6888.48
4/22 16:10:06	799.07	104.42	39.44	104.83	107.54	0.00	6888.48
4/22 16:10:36	799.05	104.54	39.45	104.92	107.65	0.00	6888.48
4/22 16:11:06	799.05	104.65	39.44	105.03	107.78	0.00	6888.48
4/22 16:11:36	799.05	104.77	39.43	105.12	107.90	0.00	6888.48
4/22 16:12:06	799.04	104.87	39.43	105.19	108.03	0.00	6888.48
4/22 16:12:36	799.02	104.96	39.43	105.26	108.13	0.00	6888.48
4/22 16:13:06	799.03	105.04	39.43	105.34	108.21	0.00	6888.48
4/22 16:13:36	799.04	105.14	39.43	105.42	108.30	0.00	6888.48
4/22 16:14:06	799.01	105.23	39.44	105.52	108.43	0.00	6888.48
4/22 16:14:36	799.01	105.33	39.43	105.61	108.51	0.00	6888.48
4/22 16:15:06	799.02	105.45	39.44	105.72	108.63	0.00	6888.48
4/22 16:15:36	799.00	105.57	39.44	105.82	108.75	0.00	6888.48
4/22 16:16:06	799.01	105.71	39.45	105.94	108.87	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 16:16:36	799.01	105.84	39.45	106.07	109.00	0.00	6888.48
4/22 16:17:06	799.00	105.99	39.45	106.19	109.11	0.00	6888.48
4/22 16:17:36	798.99	106.12	39.44	106.32	109.24	0.00	6888.48
4/22 16:18:06	799.00	106.25	39.44	106.45	109.36	0.00	6888.48
4/22 16:18:36	798.99	106.36	39.44	106.55	109.44	0.00	6888.48
4/22 16:19:06	799.00	106.46	39.42	106.67	109.53	0.00	6888.48
4/22 16:19:36	798.98	106.50	39.41	106.75	109.57	0.00	6888.48
4/22 16:20:06	798.98	106.52	39.41	106.78	109.56	0.00	6888.48
4/22 16:20:36	798.98	106.51	39.41	106.79	109.52	0.00	6888.48
4/22 16:21:06	798.98	106.49	39.40	106.79	109.44	0.00	6888.48
4/22 16:21:36	798.98	106.42	39.39	106.77	109.30	0.00	6888.48
4/22 16:22:06	798.98	106.33	39.39	106.71	109.18	0.00	6888.48
4/22 16:22:36	798.99	106.24	39.39	106.63	109.02	0.00	6888.48
4/22 16:23:06	799.00	106.15	39.38	106.54	108.86	0.00	6888.48
4/22 16:23:36	798.97	106.03	39.38	106.46	108.66	0.00	6888.48
4/22 16:24:06	798.97	105.91	39.37	106.36	108.48	0.00	6888.48
4/22 16:24:36	799.00	105.83	39.38	106.26	108.27	0.00	6888.48
4/22 16:25:06	798.99	105.77	39.38	106.20	108.14	0.00	6888.48
4/22 16:25:36	798.98	105.72	39.38	106.15	108.03	0.00	6888.48
4/22 16:26:06	798.98	105.70	39.38	106.12	107.96	0.00	6888.48
4/22 16:26:36	798.98	105.69	39.38	106.09	107.91	0.00	6888.48
4/22 16:27:06	798.97	105.70	39.38	106.09	107.89	0.00	6888.48
4/22 16:27:36	798.98	105.72	39.37	106.08	107.90	0.00	6888.48
4/22 16:28:06	798.98	105.74	39.36	106.09	107.93	0.00	6888.48
4/22 16:28:36	798.99	105.75	39.36	106.09	107.97	0.00	6888.48
4/22 16:29:06	798.98	105.75	39.36	106.08	107.99	0.00	6888.48
4/22 16:29:36	798.98	105.75	39.36	106.06	108.04	0.00	6888.48
4/22 16:30:06	798.97	105.75	39.36	106.03	108.08	0.00	6888.48
4/22 16:30:36	798.98	105.74	39.36	106.00	108.12	0.00	6888.48
4/22 16:31:06	798.97	105.74	39.36	105.96	108.17	0.00	6888.48
4/22 16:31:36	798.97	105.75	39.37	105.95	108.23	0.00	6888.48
4/22 16:32:06	798.97	105.77	39.37	105.96	108.28	0.00	6888.48
4/22 16:32:36	798.96	105.80	39.37	105.99	108.35	0.00	6888.48
4/22 16:33:06	798.96	105.85	39.37	106.02	108.40	0.00	6888.48
4/22 16:33:36	798.98	105.91	39.37	106.07	108.49	0.00	6888.48
4/22 16:34:06	798.96	105.98	39.38	106.14	108.56	0.00	6888.48
4/22 16:34:36	798.94	106.10	39.39	106.23	108.65	0.00	6888.48
4/22 16:35:06	798.95	106.23	39.39	106.34	108.77	0.00	6888.48
4/22 16:35:36	798.95	106.35	39.39	106.47	108.85	0.00	6888.48
4/22 16:36:06	798.94	106.48	39.38	106.58	108.96	0.00	6888.48
4/22 16:36:36	798.95	106.57	39.37	106.71	109.03	0.00	6888.48
4/22 16:37:06	798.94	106.63	39.36	106.77	109.07	0.00	6888.48
4/22 16:37:36	798.94	106.66	39.34	106.82	109.08	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 16:38:06	798.93	106.64	39.33	106.83	109.04	0.00	6888.48
4/22 16:38:36	798.94	106.59	39.33	106.79	108.94	0.00	6888.48
4/22 16:39:06	798.93	106.47	39.32	106.70	108.83	0.00	6888.48
4/22 16:39:36	798.95	106.35	39.31	106.61	108.67	0.00	6888.48
4/22 16:40:06	798.96	106.22	39.32	106.49	108.53	0.00	6888.48
4/22 16:40:36	798.96	106.12	39.33	106.41	108.40	0.00	6888.48
4/22 16:41:06	798.95	106.06	39.33	106.35	108.30	0.00	6888.48
4/22 16:41:36	798.94	106.04	39.32	106.32	108.25	0.00	6888.48
4/22 16:42:06	798.94	106.01	39.32	106.28	108.21	0.00	6888.48
4/22 16:42:36	798.94	105.96	39.31	106.24	108.16	0.00	6888.48
4/22 16:43:06	798.93	105.90	39.30	106.17	108.11	0.00	6888.48
4/22 16:43:36	798.93	105.80	39.30	106.08	108.01	0.00	6888.48
4/22 16:44:06	798.93	105.70	39.30	106.01	107.89	0.00	6888.48
4/22 16:44:36	798.96	105.57	39.28	105.89	107.75	0.00	6888.48
4/22 16:45:06	798.95	105.42	39.27	105.74	107.55	0.00	6888.48
4/22 16:45:36	798.94	105.23	39.27	105.58	107.32	0.00	6888.48
4/22 16:46:06	798.95	105.05	39.27	105.40	107.08	0.00	6888.48
4/22 16:46:36	798.95	104.90	39.28	105.24	106.84	0.00	6888.48
4/22 16:47:06	798.96	104.76	39.27	105.09	106.67	0.00	6888.48
4/22 16:47:36	798.95	104.64	39.27	104.97	106.50	0.00	6888.48
4/22 16:48:06	798.95	104.53	39.27	104.85	106.35	0.00	6888.48
4/22 16:48:36	798.96	104.44	39.28	104.74	106.19	0.00	6888.48
4/22 16:49:06	798.95	104.34	39.28	104.66	106.04	0.00	6888.48
4/22 16:49:36	798.94	104.26	39.27	104.59	105.93	0.00	6888.48
4/22 16:50:06	798.96	104.19	39.26	104.51	105.81	0.00	6888.48
4/22 16:50:36	798.93	104.08	39.25	104.40	105.69	0.00	6888.48
4/22 16:51:06	798.93	103.94	39.25	104.27	105.52	0.00	6888.48
4/22 16:51:36	798.95	103.82	39.25	104.15	105.35	0.00	6888.48
4/22 16:52:06	798.94	103.67	39.22	104.03	105.22	0.00	6888.48
4/22 16:52:36	798.92	103.52	39.22	103.88	105.06	0.00	6888.48
4/22 16:53:06	798.94	103.32	39.22	103.71	104.88	0.00	6888.48
4/22 16:53:36	798.95	103.12	39.21	103.51	104.68	0.00	6888.48
4/22 16:54:06	798.95	102.94	39.22	103.32	104.48	0.00	6888.48
4/22 16:54:36	798.95	102.76	39.21	103.15	104.31	0.00	6888.48
4/22 16:55:06	798.94	102.59	39.20	102.94	104.09	0.00	6888.48
4/22 16:55:36	798.94	102.38	39.18	102.74	103.87	0.00	6888.48
4/22 16:56:06	798.95	102.16	39.17	102.52	103.62	0.00	6888.48
4/22 16:56:36	798.96	101.92	39.17	102.26	103.32	0.00	6888.48
4/22 16:57:06	798.97	101.65	39.17	102.01	103.04	0.00	6888.48
4/22 16:57:36	798.96	101.42	39.18	101.78	102.77	0.00	6888.48
4/22 16:58:06	798.95	101.23	39.18	101.57	102.59	0.00	6888.48
4/22 16:58:36	798.95	101.09	39.18	101.42	102.43	0.00	6888.48
4/22 16:59:06	798.93	100.98	39.19	101.31	102.33	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 16:59:36	798.93	100.91	39.20	101.24	102.24	0.00	6888.48
4/22 17:00:06	798.93	100.86	39.19	101.18	102.19	0.00	6888.48
4/22 17:00:36	798.94	100.83	39.20	101.14	102.14	0.00	6888.48
4/22 17:01:06	798.93	100.79	39.19	101.11	102.10	0.00	6888.48
4/22 17:01:36	798.94	100.78	39.19	101.09	102.04	0.00	6888.48
4/22 17:02:06	798.94	100.76	39.20	101.08	101.99	0.00	6888.48
4/22 17:02:36	798.93	100.74	39.19	101.05	101.93	0.00	6888.48
4/22 17:03:06	798.93	100.70	39.18	101.02	101.84	0.00	6888.48
4/22 17:03:36	798.91	100.67	39.18	101.00	101.74	0.00	6888.48
4/22 17:04:06	798.92	100.65	39.19	100.96	101.64	0.00	6888.48
4/22 17:04:36	798.92	100.63	39.18	100.93	101.54	0.00	6888.48
4/22 17:05:06	798.91	100.60	39.18	100.90	101.43	0.00	6888.48
4/22 17:05:36	798.91	100.58	39.17	100.87	101.35	0.00	6888.48
4/22 17:06:06	798.91	100.57	39.17	100.84	101.27	0.00	6888.48
4/22 17:06:36	798.90	100.54	39.16	100.78	101.18	0.00	6888.48
4/22 17:07:06	798.91	100.48	39.16	100.71	101.09	0.00	6888.48
4/22 17:07:36	798.91	100.42	39.16	100.64	101.01	0.00	6888.48
4/22 17:08:06	798.90	100.38	39.17	100.58	100.95	0.00	6888.48
4/22 17:08:36	798.90	100.36	39.18	100.57	100.90	0.00	6888.48
4/22 17:09:06	798.90	100.39	39.18	100.57	100.90	0.00	6888.48
4/22 17:09:36	798.91	100.48	39.18	100.63	100.93	0.00	6888.48
4/22 17:10:06	798.89	100.56	39.19	100.70	100.98	0.00	6888.48
4/22 17:10:36	798.89	100.66	39.19	100.80	101.04	0.00	6888.48
4/22 17:11:06	798.90	100.77	39.19	100.90	101.09	0.00	6888.48
4/22 17:11:36	798.89	100.88	39.19	101.02	101.16	0.00	6888.48
4/22 17:12:06	798.88	100.97	39.18	101.11	101.20	0.00	6888.48
4/22 17:12:36	798.85	101.05	39.18	101.20	101.23	0.00	6888.48
4/22 17:13:06	798.87	101.12	39.17	101.25	101.26	0.00	6888.48
4/22 17:13:36	798.87	101.15	39.16	101.30	101.26	0.00	6888.48
4/22 17:14:06	798.86	101.16	39.15	101.31	101.24	0.00	6888.48
4/22 17:14:36	798.86	101.12	39.14	101.30	101.19	0.00	6888.48
4/22 17:15:06	798.86	101.05	39.14	101.23	101.08	0.00	6888.48
4/22 17:15:36	798.86	100.94	39.13	101.16	100.96	0.00	6888.48
4/22 17:16:06	798.86	100.84	39.12	101.04	100.83	0.00	6888.48
4/22 17:16:36	798.85	100.72	39.12	100.92	100.70	0.00	6888.48
4/22 17:17:06	798.85	100.59	39.11	100.79	100.52	0.00	6888.48
4/22 17:17:36	798.87	100.45	39.10	100.65	100.37	0.00	6888.48
4/22 17:18:06	798.87	100.29	39.10	100.50	100.20	0.00	6888.48
4/22 17:18:36	798.87	100.11	39.09	100.33	100.02	0.00	6888.48
4/22 17:19:06	798.87	99.93	39.09	100.15	99.82	0.00	6888.48
4/22 17:19:36	798.88	99.71	39.08	99.96	99.63	0.00	6888.48
4/22 17:20:06	798.87	99.53	39.08	99.76	99.45	0.00	6888.48
4/22 17:20:36	798.87	99.34	39.08	99.58	99.29	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 17:21:06	798.86	99.17	39.09	99.41	99.11	0.00	6888.48
4/22 17:21:36	798.86	99.02	39.08	99.26	98.99	0.00	6888.48
4/22 17:22:06	798.86	98.89	39.07	99.12	98.83	0.00	6888.48
4/22 17:22:36	798.88	98.76	39.07	98.99	98.71	0.00	6888.48
4/22 17:23:06	798.87	98.63	39.07	98.85	98.57	0.00	6888.48
4/22 17:23:36	798.88	98.48	39.07	98.71	98.43	0.00	6888.48
4/22 17:24:06	798.87	98.36	39.07	98.57	98.28	0.00	6888.48
4/22 17:24:36	798.87	98.22	39.07	98.45	98.13	0.00	6888.48
4/22 17:25:06	798.86	98.10	39.07	98.33	98.01	0.00	6888.48
4/22 17:25:36	798.85	97.99	39.07	98.22	97.89	0.00	6888.48
4/22 17:26:06	798.86	97.91	39.07	98.13	97.78	0.00	6888.48
4/22 17:26:36	798.86	97.82	39.07	98.04	97.67	0.00	6888.48
4/22 17:27:06	798.85	97.75	39.07	97.96	97.59	0.00	6888.48
4/22 17:27:36	798.85	97.68	39.07	97.88	97.50	0.00	6888.48
4/22 17:28:06	798.85	97.62	39.07	97.81	97.43	0.00	6888.48
4/22 17:28:36	798.85	97.56	39.06	97.76	97.38	0.00	6888.48
4/22 17:29:06	798.85	97.50	39.06	97.70	97.30	0.00	6888.48
4/22 17:29:36	798.83	97.44	39.05	97.64	97.23	0.00	6888.48
4/22 17:30:06	798.84	97.38	39.06	97.58	97.16	0.00	6888.48
4/22 17:30:36	798.84	97.32	39.05	97.51	97.08	0.00	6888.48
4/22 17:31:06	798.83	97.26	39.05	97.45	97.00	0.00	6888.48
4/22 17:31:36	798.84	97.19	39.05	97.37	96.93	0.00	6888.48
4/22 17:32:06	798.82	97.11	39.05	97.31	96.84	0.00	6888.48
4/22 17:32:36	798.82	97.04	39.04	97.23	96.77	0.00	6888.48
4/22 17:33:06	798.83	96.96	39.04	97.15	96.65	0.00	6888.48
4/22 17:33:36	798.83	96.90	39.03	97.08	96.56	0.00	6888.48
4/22 17:34:06	798.83	96.81	39.03	97.00	96.48	0.00	6888.48
4/22 17:34:36	798.82	96.74	39.03	96.93	96.40	0.00	6888.48
4/22 17:35:06	798.80	96.66	39.03	96.84	96.32	0.00	6888.48
4/22 17:35:36	798.83	96.61	39.03	96.77	96.23	0.00	6888.48
4/22 17:36:06	798.83	96.55	39.03	96.71	96.18	0.00	6888.48
4/22 17:36:36	798.81	96.49	39.03	96.66	96.10	0.00	6888.48
4/22 17:37:06	798.81	96.44	39.03	96.60	96.05	0.00	6888.48
4/22 17:37:36	798.81	96.39	39.02	96.54	95.98	0.00	6888.48
4/22 17:38:06	798.80	96.35	39.02	96.50	95.95	0.00	6888.48
4/22 17:38:36	798.80	96.31	39.01	96.45	95.89	0.00	6888.48
4/22 17:39:06	798.82	96.26	39.01	96.39	95.84	0.00	6888.48
4/22 17:39:36	798.80	96.19	39.01	96.33	95.77	0.00	6888.48
4/22 17:40:06	798.81	96.12	39.01	96.24	95.70	0.00	6888.48
4/22 17:40:36	798.81	96.06	39.01	96.19	95.63	0.00	6888.48
4/22 17:41:06	798.79	96.02	39.01	96.14	95.56	0.00	6888.48
4/22 17:41:36	798.80	95.98	39.01	96.09	95.52	0.00	6888.48
4/22 17:42:06	798.80	95.95	39.01	96.05	95.48	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 17:42:36	798.79	95.92	39.01	96.02	95.45	0.00	6888.48
4/22 17:43:06	798.79	95.88	39.01	95.99	95.42	0.00	6888.48
4/22 17:43:36	798.79	95.85	39.01	95.96	95.38	0.00	6888.48
4/22 17:44:06	798.80	95.82	39.01	95.93	95.36	0.00	6888.48
4/22 17:44:36	798.78	95.81	39.02	95.92	95.34	0.00	6888.48
4/22 17:45:06	798.78	95.81	39.02	95.92	95.33	0.00	6888.48
4/22 17:45:36	798.79	95.85	39.02	95.96	95.33	0.00	6888.48
4/22 17:46:06	798.78	95.89	39.02	95.99	95.35	0.00	6888.48
4/22 17:46:36	798.78	95.94	39.02	96.05	95.37	0.00	6888.48
4/22 17:47:06	798.77	95.98	39.01	96.08	95.40	0.00	6888.48
4/22 17:47:36	798.78	96.01	39.00	96.11	95.41	0.00	6888.48
4/22 17:48:06	798.76	96.03	38.99	96.13	95.42	0.00	6888.48
4/22 17:48:36	798.77	96.02	38.99	96.13	95.42	0.00	6888.48
4/22 17:49:06	798.76	95.97	38.98	96.10	95.40	0.00	6888.48
4/22 17:49:36	798.76	95.92	38.98	96.04	95.37	0.00	6888.48
4/22 17:50:06	798.75	95.85	38.97	95.97	95.30	0.00	6888.48
4/22 17:50:36	798.74	95.76	38.98	95.91	95.21	0.00	6888.48
4/22 17:51:06	798.78	95.68	38.97	95.81	95.11	0.00	6888.48
4/22 17:51:36	798.75	95.58	38.97	95.73	95.04	0.00	6888.48
4/22 17:52:06	798.76	95.51	38.97	95.63	94.94	0.00	6888.48
4/22 17:52:36	798.75	95.44	38.96	95.56	94.88	0.00	6888.48
4/22 17:53:06	798.75	95.38	38.96	95.49	94.80	0.00	6888.48
4/22 17:53:36	798.76	95.32	38.96	95.42	94.74	0.00	6888.48
4/22 17:54:06	798.74	95.25	38.96	95.36	94.69	0.00	6888.48
4/22 17:54:36	798.75	95.21	38.96	95.30	94.65	0.00	6888.48
4/22 17:55:06	798.76	95.17	38.96	95.26	94.60	0.00	6888.48
4/22 17:55:36	798.75	95.13	38.96	95.21	94.56	0.00	6888.48
4/22 17:56:06	798.74	95.10	38.95	95.16	94.52	0.00	6888.48
4/22 17:56:36	798.74	95.06	38.95	95.13	94.49	0.00	6888.48
4/22 17:57:06	798.76	95.02	38.94	95.08	94.47	0.00	6888.48
4/22 17:57:36	798.75	94.97	38.94	95.02	94.43	0.00	6888.48
4/22 17:58:06	798.75	94.89	38.94	94.96	94.38	0.00	6888.48
4/22 17:58:36	798.74	94.80	38.94	94.88	94.31	0.00	6888.48
4/22 17:59:06	798.74	94.71	38.93	94.79	94.24	0.00	6888.48
4/22 17:59:36	798.75	94.58	38.92	94.68	94.14	0.00	6888.48
4/22 18:00:06	798.74	94.43	38.92	94.54	94.03	0.00	6888.48
4/22 18:00:36	798.75	94.31	38.92	94.42	93.90	0.00	6888.48
4/22 18:01:06	798.75	94.19	38.92	94.30	93.81	0.00	6888.48
4/22 18:01:36	798.75	94.08	38.92	94.20	93.71	0.00	6888.48
4/22 18:02:06	798.74	93.99	38.92	94.10	93.60	0.00	6888.48
4/22 18:02:36	798.74	93.89	38.92	94.01	93.55	0.00	6888.48
4/22 18:03:06	798.72	93.83	38.92	93.93	93.46	0.00	6888.48
4/22 18:03:36	798.74	93.78	38.92	93.87	93.41	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 18:04:06	798.74	93.73	38.92	93.81	93.35	0.00	6888.48
4/22 18:04:36	798.74	93.68	38.91	93.76	93.32	0.00	6888.48
4/22 18:05:06	798.73	93.63	38.91	93.70	93.25	0.00	6888.48
4/22 18:05:36	798.72	93.57	38.91	93.64	93.20	0.00	6888.48
4/22 18:06:06	798.74	93.53	38.91	93.60	93.15	0.00	6888.48
4/22 18:06:36	798.73	93.47	38.91	93.55	93.10	0.00	6888.48
4/22 18:07:06	798.72	93.41	38.90	93.48	93.05	0.00	6888.48
4/22 18:07:36	798.73	93.34	38.90	93.42	92.98	0.00	6888.48
4/22 18:08:06	798.73	93.26	38.90	93.34	92.90	0.00	6888.48
4/22 18:08:36	798.72	93.17	38.92	93.26	92.82	0.00	6888.48
4/22 18:09:06	798.73	93.08	38.92	93.17	92.73	0.00	6888.48
4/22 18:09:36	798.72	92.98	38.92	93.06	92.62	0.00	6888.48
4/22 18:10:06	798.72	92.86	38.91	92.96	92.49	0.00	6888.48
4/22 18:10:36	798.73	92.74	38.91	92.85	92.38	0.00	6888.48
4/22 18:11:06	798.72	92.62	38.91	92.72	92.27	0.00	6888.48
4/22 18:11:36	798.72	92.50	38.91	92.60	92.15	0.00	6888.48
4/22 18:12:06	798.72	92.39	38.91	92.49	92.05	0.00	6888.48
4/22 18:12:36	798.73	92.28	38.91	92.38	91.94	0.00	6888.48
4/22 18:13:06	798.71	92.18	38.91	92.28	91.86	0.00	6888.48
4/22 18:13:36	798.70	92.09	38.90	92.19	91.78	0.00	6888.48
4/22 18:14:06	798.72	92.02	38.90	92.11	91.71	0.00	6888.48
4/22 18:14:36	798.73	91.95	38.91	92.02	91.64	0.00	6888.48
4/22 18:15:06	798.70	91.85	38.90	91.92	91.56	0.00	6888.48
4/22 18:15:36	798.71	91.76	38.90	91.84	91.47	0.00	6888.48
4/22 18:16:06	798.71	91.67	38.90	91.73	91.39	0.00	6888.48
4/22 18:16:36	798.71	91.56	38.90	91.64	91.29	0.00	6888.48
4/22 18:17:06	798.71	91.46	38.90	91.53	91.18	0.00	6888.48
4/22 18:17:36	798.73	91.35	38.90	91.43	91.08	0.00	6888.48
4/22 18:18:06	798.71	91.24	38.89	91.32	90.96	0.00	6888.48
4/22 18:18:36	798.70	91.14	38.89	91.22	90.86	0.00	6888.48
4/22 18:19:06	798.72	91.05	38.89	91.12	90.76	0.00	6888.48
4/22 18:19:36	798.70	90.95	38.89	91.03	90.67	0.00	6888.48
4/22 18:20:06	798.71	90.87	38.89	90.94	90.58	0.00	6888.48
4/22 18:20:36	798.71	90.78	38.89	90.84	90.51	0.00	6888.48
4/22 18:21:06	798.69	90.69	38.89	90.76	90.41	0.00	6888.48
4/22 18:21:36	798.68	90.59	38.89	90.67	90.31	0.00	6888.48
4/22 18:22:06	798.69	90.50	38.89	90.56	90.23	0.00	6888.48
4/22 18:22:36	798.70	90.42	38.88	90.47	90.13	0.00	6888.48
4/22 18:23:06	798.68	90.32	38.88	90.37	90.04	0.00	6888.48
4/22 18:23:36	798.68	90.23	38.88	90.29	89.92	0.00	6888.48
4/22 18:24:06	798.70	90.14	38.88	90.20	89.83	0.00	6888.48
4/22 18:24:36	798.69	90.05	38.87	90.10	89.73	0.00	6888.48
4/22 18:25:06	798.68	89.97	38.87	90.02	89.66	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 18:25:36	798.69	89.89	38.87	89.94	89.57	0.00	6888.48
4/22 18:26:06	798.69	89.82	38.87	89.86	89.50	0.00	6888.48
4/22 18:26:36	798.68	89.74	38.87	89.79	89.41	0.00	6888.48
4/22 18:27:06	798.69	89.67	38.86	89.70	89.33	0.00	6888.48
4/22 18:27:36	798.67	89.59	38.86	89.63	89.26	0.00	6888.48
4/22 18:28:06	798.66	89.51	38.86	89.54	89.18	0.00	6888.48
4/22 18:28:36	798.68	89.43	38.86	89.46	89.10	0.00	6888.48
4/22 18:29:06	798.67	89.36	38.86	89.39	89.01	0.00	6888.48
4/22 18:29:36	798.68	89.30	38.85	89.33	88.95	0.00	6888.48
4/22 18:30:06	798.67	89.23	38.86	89.26	88.89	0.00	6888.48
4/22 18:30:36	798.67	89.18	38.86	89.20	88.83	0.00	6888.48
4/22 18:31:06	798.67	89.12	38.86	89.14	88.76	0.00	6888.48
4/22 18:31:36	798.67	89.08	38.86	89.09	88.70	0.00	6888.48
4/22 18:32:06	798.67	89.04	38.86	89.05	88.67	0.00	6888.48
4/22 18:32:36	798.66	89.00	38.85	89.01	88.60	0.00	6888.48
4/22 18:33:06	798.65	88.97	38.85	88.97	88.56	0.00	6888.48
4/22 18:33:36	798.65	88.94	38.85	88.94	88.52	0.00	6888.48
4/22 18:34:06	798.65	88.91	38.85	88.90	88.48	0.00	6888.48
4/22 18:34:36	798.66	88.88	38.85	88.86	88.43	0.00	6888.48
4/22 18:35:06	798.65	88.83	38.85	88.82	88.36	0.00	6888.48
4/22 18:35:36	798.65	88.80	38.85	88.79	88.32	0.00	6888.48
4/22 18:36:06	798.63	88.77	38.84	88.76	88.28	0.00	6888.48
4/22 18:36:36	798.64	88.75	38.84	88.73	88.24	0.00	6888.48
4/22 18:37:06	798.64	88.73	38.84	88.71	88.19	0.00	6888.48
4/22 18:37:36	798.64	88.70	38.84	88.68	88.16	0.00	6888.48
4/22 18:38:06	798.63	88.67	38.83	88.65	88.11	0.00	6888.48
4/22 18:38:36	798.64	88.65	38.83	88.62	88.08	0.00	6888.48
4/22 18:39:06	798.63	88.62	38.83	88.60	88.03	0.00	6888.48
4/22 18:39:36	798.64	88.59	38.83	88.56	87.99	0.00	6888.48
4/22 18:40:06	798.62	88.55	38.83	88.52	87.94	0.00	6888.48
4/22 18:40:36	798.63	88.51	38.83	88.49	87.89	0.00	6888.48
4/22 18:41:06	798.64	88.48	38.83	88.45	87.85	0.00	6888.48
4/22 18:41:36	798.62	88.44	38.82	88.41	87.79	0.00	6888.48
4/22 18:42:06	798.61	88.40	38.82	88.38	87.76	0.00	6888.48
4/22 18:42:36	798.63	88.37	38.82	88.32	87.70	0.00	6888.48
4/22 18:43:06	798.64	88.33	38.82	88.29	87.67	0.00	6888.48
4/22 18:43:36	798.62	88.29	38.82	88.26	87.63	0.00	6888.48
4/22 18:44:06	798.63	88.27	38.82	88.23	87.59	0.00	6888.48
4/22 18:44:36	798.61	88.24	38.82	88.20	87.56	0.00	6888.48
4/22 18:45:06	798.62	88.21	38.82	88.17	87.54	0.00	6888.48
4/22 18:45:36	798.61	88.19	38.82	88.14	87.50	0.00	6888.48
4/22 18:46:06	798.61	88.17	38.81	88.13	87.47	0.00	6888.48
4/22 18:46:36	798.61	88.16	38.82	88.11	87.45	0.00	6888.48

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 18:47:06	798.61	88.14	38.82	88.09	87.42	0.00	6888.48
4/22 18:47:36	798.61	88.13	38.82	88.07	87.39	0.00	6888.48
4/22 18:48:06	798.60	88.11	38.81	88.05	87.36	0.00	6888.48
4/22 18:48:36	798.60	88.10	38.81	88.04	87.32	0.00	6888.48
4/22 18:49:06	798.61	88.08	43.54	88.02	87.30	0.00	6888.48
4/22 18:49:36	798.76	88.07	50.28	88.01	87.27	0.00	6888.48
4/22 18:50:06	798.92	88.06	59.38	87.99	87.26	0.00	6888.48
4/22 18:50:36	799.18	88.05	72.65	88.00	87.22	0.00	6888.48
4/22 18:51:06	799.42	88.03	79.48	88.00	87.21	0.00	6888.48
4/22 18:51:36	799.72	88.03	81.72	88.06	87.18	0.00	6888.48
4/22 18:52:06	800.04	88.02	98.47	88.12	87.17	0.00	6888.48
4/22 18:52:36	800.41	88.02	161.26	88.19	87.14	0.00	6888.48
4/22 18:53:06	800.73	88.02	46.71	88.23	87.12	0.00	6888.53
4/22 18:53:36	800.71	88.01	44.06	88.23	87.06	0.00	6888.53
4/22 18:54:06	800.70	88.01	43.70	88.20	86.99	0.00	6888.53
4/22 18:54:36	800.71	88.01	64.72	88.16	86.92	0.00	6888.53
4/22 18:55:06	801.00	88.01	78.70	88.13	86.85	0.00	6888.53
4/22 18:55:36	801.40	88.01	88.69	88.11	86.82	0.00	6888.53
4/22 18:56:06	801.78	88.01	99.38	88.10	86.78	0.00	6888.53
4/22 18:56:36	802.40	88.00	207.96	88.09	86.73	0.00	6888.53
4/22 18:57:06	802.75	88.00	110.71	88.07	86.70	0.00	6888.53
4/22 18:57:36	802.96	87.99	47.29	88.06	86.68	0.00	6888.53
4/22 18:58:06	802.94	87.99	47.36	88.04	86.66	0.00	6888.53
4/22 18:58:36	802.93	87.98	47.84	88.01	86.63	0.00	6888.53
4/22 18:59:06	802.91	87.98	47.92	87.99	86.61	0.00	6888.53
4/22 18:59:36	802.90	87.97	47.92	87.97	86.58	0.00	6888.53
4/22 19:00:06	802.89	87.96	47.90	87.94	86.55	0.00	6888.53
4/22 19:00:36	802.87	87.95	47.87	87.92	86.37	0.00	6888.53
4/22 19:01:06	802.86	87.93	47.85	87.89	86.12	0.00	6888.53
4/22 19:01:36	802.86	87.91	47.84	87.87	85.85	0.00	6888.53
4/22 19:02:06	802.85	87.89	47.82	87.85	85.57	0.00	6888.53
4/22 19:02:36	802.83	87.87	47.80	87.83	85.28	0.00	6888.53
4/22 19:03:06	802.82	87.85	47.79	87.81	85.03	0.00	6888.53
4/22 19:03:36	802.82	87.83	47.78	87.79	84.82	0.00	6888.53
4/22 19:04:06	802.82	87.81	47.77	87.76	84.62	0.00	6888.53
4/22 19:04:36	802.82	87.79	47.75	87.74	84.49	0.00	6888.53
4/22 19:05:06	802.81	87.77	47.74	87.71	84.38	0.00	6888.53
4/22 19:05:36	802.80	87.74	47.73	87.70	84.31	0.00	6888.53
4/22 19:06:06	802.76	87.73	48.95	87.68	84.23	0.00	6888.53
4/22 19:06:36	803.05	87.71	72.76	87.66	84.18	0.00	6888.53
4/22 19:07:06	803.46	87.70	70.95	87.65	84.15	0.00	6888.53
4/22 19:07:36	803.77	87.68	70.55	87.63	84.13	0.00	6888.53
4/22 19:08:06	804.29	87.66	125.40	87.62	84.11	0.00	6888.53

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 19:08:36	805.08	87.65	160.10	87.62	84.11	0.00	6888.53
4/22 19:09:06	805.87	87.64	198.64	87.62	84.11	0.00	6888.53
4/22 19:09:36	806.75	87.63	308.68	87.62	84.11	0.00	6888.53
4/22 19:10:06	807.68	87.62	347.79	87.62	84.12	0.00	6888.53
4/22 19:10:36	808.56	87.61	352.11	87.60	84.13	0.00	6888.53
4/22 19:11:06	809.44	87.60	351.71	87.59	84.13	0.00	6888.53
4/22 19:11:36	810.27	87.59	320.10	87.58	84.14	0.00	6888.53
4/22 19:12:06	811.01	87.57	307.26	87.57	84.14	0.00	6888.53
4/22 19:12:36	811.29	87.55	57.30	87.55	84.15	0.00	6888.53
4/22 19:13:06	811.22	87.54	61.71	87.53	84.14	0.00	6888.53
4/22 19:13:36	811.17	87.52	6.43	87.50	84.14	0.00	6888.53
4/22 19:14:06	811.13	87.51	0.00	87.47	84.14	0.00	6888.53
4/22 19:14:36	811.09	87.48	0.00	87.43	84.16	0.00	6888.53
4/22 19:15:06	811.07	87.46	0.00	87.41	84.17	0.00	6888.53
4/22 19:15:36	811.05	87.44	0.15	87.39	84.08	0.00	6888.53
4/22 19:16:06	811.02	87.43	0.34	87.39	84.09	0.00	6888.53
4/22 19:16:36	811.00	87.41	0.33	87.39	84.10	0.00	6888.53
4/22 19:17:06	810.97	87.36	0.32	87.34	84.10	0.00	6888.53
4/22 19:17:36	810.96	87.30	0.32	87.24	84.12	0.00	6888.53
4/22 19:18:06	810.96	87.22	0.29	87.13	84.13	0.00	6888.53
4/22 19:18:36	810.92	87.06	0.00	87.00	84.12	0.00	6888.53
4/22 19:19:06	810.95	86.85	0.00	86.86	84.12	0.00	6888.53
4/22 19:19:36	810.95	86.56	0.46	86.68	84.06	0.00	6888.53
4/22 19:20:06	810.97	86.27	0.73	86.48	83.98	0.00	6888.53
4/22 19:20:36	810.93	85.95	0.80	86.26	83.85	0.00	6888.53
4/22 19:21:06	810.93	85.67	0.00	86.04	83.76	0.00	6888.53
4/22 19:21:36	810.91	85.43	0.00	85.82	83.68	0.00	6888.53
4/22 19:22:06	810.90	85.21	0.00	85.59	83.62	0.00	6888.53
4/22 19:22:36	810.88	85.02	40.45	85.38	83.55	0.00	6888.53
4/22 19:23:06	810.91	84.86	74.76	85.20	83.50	0.00	6888.53
4/22 19:23:36	811.08	84.72	70.87	85.04	83.45	0.00	6888.53
4/22 19:24:06	811.24	84.61	64.40	84.89	83.41	0.00	6888.53
4/22 19:24:36	811.41	84.51	59.79	84.76	83.37	0.00	6888.53
4/22 19:25:06	811.60	84.44	76.42	84.65	83.35	0.00	6888.53
4/22 19:25:36	811.85	84.38	86.56	84.54	83.32	0.00	6888.53
4/22 19:26:06	812.14	84.33	172.37	84.46	83.28	0.00	6888.53
4/22 19:26:36	812.62	84.28	125.53	84.39	83.26	0.00	6888.53
4/22 19:27:06	813.22	84.24	145.06	84.33	83.25	0.00	6888.53
4/22 19:27:36	813.95	84.22	193.98	84.28	83.22	0.00	6888.53
4/22 19:28:06	814.75	84.19	201.69	84.23	83.21	0.00	6888.53
4/22 19:28:36	815.58	84.16	204.47	84.19	83.19	0.00	6888.53
4/22 19:29:06	816.49	84.14	213.90	84.16	83.17	0.00	6888.53
4/22 19:29:36	817.42	84.13	220.26	84.13	83.15	0.00	6888.53

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 19:30:06	818.36	84.11	227.89	84.10	83.14	0.00	6888.53
4/22 19:30:36	819.31	84.10	236.72	84.07	83.13	0.00	6888.53
4/22 19:31:06	820.31	84.08	246.11	84.05	83.11	0.00	6888.53
4/22 19:31:36	821.31	84.07	247.70	84.03	83.10	0.00	6888.53
4/22 19:32:06	822.23	84.06	247.39	84.02	83.08	0.00	6888.53
4/22 19:32:36	823.14	84.06	228.74	84.01	83.06	0.00	6888.53
4/22 19:33:06	824.04	84.05	229.24	84.00	83.05	0.00	6888.53
4/22 19:33:36	824.80	84.04	190.63	83.99	83.03	0.00	6888.53
4/22 19:34:06	825.56	84.04	189.56	83.97	83.03	0.00	6888.53
4/22 19:34:36	826.35	84.03	190.62	83.96	83.01	0.00	6888.53
4/22 19:35:06	827.12	84.02	198.05	83.96	83.01	0.00	6888.53
4/22 19:35:36	827.95	84.02	197.73	83.94	82.99	0.00	6888.53
4/22 19:36:06	828.66	84.01	192.19	83.93	82.98	0.00	6888.53
4/22 19:36:36	829.40	84.00	196.42	83.92	82.97	0.00	6888.53
4/22 19:37:06	830.16	83.99	196.64	83.92	82.95	0.00	6888.53
4/22 19:37:36	830.89	83.98	190.55	83.91	82.94	0.00	6888.53
4/22 19:38:06	831.64	83.98	196.93	83.90	82.92	0.00	6888.53
4/22 19:38:36	832.38	83.97	197.13	83.89	82.91	0.00	6888.53
4/22 19:39:06	833.12	83.95	184.92	83.88	82.89	0.00	6888.53
4/22 19:39:36	833.92	83.94	212.81	83.87	82.88	0.00	6888.53
4/22 19:40:06	834.64	83.93	215.06	83.85	82.86	0.00	6888.53
4/22 19:40:36	835.38	83.91	199.33	83.84	82.85	0.00	6888.53
4/22 19:41:06	836.09	83.89	189.91	83.82	82.83	0.00	6888.53
4/22 19:41:36	836.88	83.87	205.46	83.80	82.81	0.00	6888.53
4/22 19:42:06	837.63	83.86	191.90	83.78	82.78	0.00	6888.53
4/22 19:42:36	838.32	83.83	195.67	83.76	82.76	0.00	6888.53
4/22 19:43:06	838.98	83.80	193.06	83.73	82.74	0.00	6888.53
4/22 19:43:36	839.70	83.77	192.97	83.70	82.71	0.00	6888.53
4/22 19:44:06	840.36	83.74	197.88	83.67	82.69	0.00	6888.53
4/22 19:44:36	841.04	83.71	196.87	83.65	82.66	0.00	6888.53
4/22 19:45:06	841.71	83.67	206.68	83.62	82.64	0.00	6888.53
4/22 19:45:36	842.47	83.64	217.74	83.59	82.61	0.00	6888.53
4/22 19:46:06	843.16	83.61	225.47	83.55	82.57	0.00	6888.53
4/22 19:46:36	843.89	83.57	218.99	83.52	82.54	0.00	6888.53
4/22 19:47:06	844.58	83.54	218.03	83.48	82.51	0.00	6888.53
4/22 19:47:36	845.28	83.50	230.77	83.45	82.48	0.00	6888.53
4/22 19:48:06	846.01	83.46	233.03	83.41	82.44	0.00	6888.53
4/22 19:48:36	846.73	83.42	238.95	83.37	82.41	0.00	6888.53
4/22 19:49:06	847.47	83.38	239.89	83.33	82.37	0.00	6888.53
4/22 19:49:36	848.21	83.34	243.38	83.29	82.35	0.00	6888.53
4/22 19:50:06	848.95	83.30	248.88	83.25	82.31	0.00	6888.53
4/22 19:50:36	849.73	83.26	257.18	83.22	82.27	0.00	6888.53
4/22 19:51:06	850.50	83.22	266.79	83.17	82.23	0.00	6888.53

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 19:51:36	851.23	83.18	265.40	83.13	82.19	0.00	6888.53
4/22 19:52:06	851.97	83.12	275.59	83.09	82.16	0.00	6888.53
4/22 19:52:36	852.70	83.08	266.09	83.04	82.11	0.00	6888.53
4/22 19:53:06	853.47	83.03	269.37	83.00	82.08	0.00	6888.53
4/22 19:53:36	854.19	82.98	265.84	82.95	82.03	0.00	6888.53
4/22 19:54:06	854.91	82.93	271.71	82.90	82.00	0.00	6888.53
4/22 19:54:36	855.63	82.89	265.63	82.85	81.96	0.00	6888.53
4/22 19:55:06	856.37	82.84	267.50	82.79	81.91	0.00	6888.53
4/22 19:55:36	857.16	82.80	274.07	82.75	81.88	0.00	6888.53
4/22 19:56:06	857.87	82.74	275.18	82.70	81.84	0.00	6888.53
4/22 19:56:36	858.57	82.69	272.97	82.64	81.81	0.00	6888.53
4/22 19:57:06	859.32	82.64	274.97	82.60	81.78	0.00	6888.53
4/22 19:57:36	860.07	82.60	272.24	82.55	81.73	0.00	6888.53
4/22 19:58:06	860.77	82.55	279.11	82.51	81.67	0.00	6888.53
4/22 19:58:36	861.50	82.50	278.75	82.46	81.64	0.00	6888.53
4/22 19:59:06	862.20	82.45	278.81	82.41	81.61	0.00	6888.53
4/22 19:59:36	862.91	82.41	276.71	82.37	81.57	0.00	6888.53
4/22 20:00:06	863.45	82.36	256.88	82.33	81.52	0.00	6888.53
4/22 20:00:36	864.00	82.32	252.44	82.27	81.49	0.00	6888.53
4/22 20:01:06	864.66	82.27	247.57	82.23	81.45	0.00	6888.53
4/22 20:01:36	865.22	82.22	251.29	82.19	81.41	0.00	6888.53
4/22 20:02:06	865.79	82.18	257.80	82.14	81.38	0.00	6888.53
4/22 20:02:36	866.33	82.13	256.91	82.10	81.33	0.00	6888.53
4/22 20:03:06	866.84	82.09	248.95	82.05	81.30	0.00	6888.53
4/22 20:03:36	867.42	82.05	249.86	82.00	81.25	0.00	6888.53
4/22 20:04:06	868.01	82.01	253.21	81.96	81.23	0.00	6888.53
4/22 20:04:36	868.47	81.96	242.15	81.92	81.19	0.00	6888.53
4/22 20:05:06	869.10	81.92	253.28	81.88	81.15	0.00	6888.53
4/22 20:05:36	869.65	81.88	256.19	81.83	81.11	0.00	6888.53
4/22 20:06:06	869.84	81.82	141.22	81.79	81.07	0.00	6888.53
4/22 20:06:36	869.76	81.78	133.67	81.74	81.03	0.00	6888.53
4/22 20:07:06	869.67	81.73	133.31	81.68	80.99	0.00	6888.53
4/22 20:07:36	869.59	81.69	133.34	81.64	80.94	0.00	6888.53
4/22 20:08:06	869.52	81.63	133.24	81.59	80.89	0.00	6888.53
4/22 20:08:36	869.44	81.57	133.15	81.54	80.85	0.00	6888.53
4/22 20:09:06	869.39	81.53	133.06	81.48	80.82	0.00	6888.53
4/22 20:09:36	869.33	81.47	132.95	81.44	80.78	0.00	6888.53
4/22 20:10:06	869.28	81.41	132.94	81.38	80.73	0.00	6888.58
4/22 20:10:36	869.22	81.35	132.88	81.32	80.68	0.00	6888.58
4/22 20:11:06	869.17	81.29	132.81	81.26	80.64	0.00	6888.58
4/22 20:11:36	869.12	81.23	132.74	81.20	80.59	0.00	6888.58
4/22 20:12:06	869.09	81.18	132.70	81.15	80.56	0.00	6888.58
4/22 20:12:36	869.04	81.11	132.63	81.08	80.50	0.00	6888.58

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 20:13:06	869.00	81.06	132.56	81.03	80.45	0.00	6888.58
4/22 20:13:36	868.97	81.00	132.34	80.97	80.41	0.00	6888.58
4/22 20:14:06	868.91	80.93	132.31	80.91	80.36	0.00	6888.58
4/22 20:14:36	868.90	80.87	132.28	80.84	80.31	0.00	6888.58
4/22 20:15:06	868.85	80.81	132.26	80.79	80.25	0.00	6888.58
4/22 20:15:36	868.83	80.76	132.26	80.73	80.22	0.00	6888.58
4/22 20:16:06	868.78	80.69	132.19	80.67	80.15	0.00	6888.58
4/22 20:16:36	868.75	80.64	131.78	80.60	80.10	0.00	6888.58
4/22 20:17:06	868.73	80.58	132.29	80.54	80.06	0.00	6888.58
4/22 20:17:36	868.71	80.53	132.07	80.49	80.00	0.00	6888.58
4/22 20:18:06	868.68	80.48	132.04	80.43	79.96	0.00	6888.58
4/22 20:18:36	868.65	80.42	132.04	80.38	79.91	0.00	6888.58
4/22 20:19:06	868.61	80.38	131.97	80.32	79.86	0.00	6888.58
4/22 20:19:36	868.60	80.33	131.92	80.27	79.81	0.00	6888.58
4/22 20:20:06	868.56	80.28	131.84	80.21	79.77	0.00	6888.58
4/22 20:20:36	868.53	80.22	131.80	80.16	79.73	0.00	6888.58
4/22 20:21:06	868.51	80.17	131.79	80.12	79.67	0.00	6888.58
4/22 20:21:36	868.49	80.13	131.75	80.05	79.63	0.00	6888.58
4/22 20:22:06	868.46	80.08	131.71	79.99	79.58	0.00	6888.58
4/22 20:22:36	868.44	80.03	131.67	79.94	79.53	0.00	6888.58
4/22 20:23:06	868.41	79.98	131.64	79.88	79.49	0.00	6888.58
4/22 20:23:36	868.40	79.93	131.60	79.83	79.44	0.00	6888.58
4/22 20:24:06	868.37	79.87	131.56	79.78	79.39	0.00	6888.58
4/22 20:24:36	868.34	79.81	131.53	79.72	79.36	0.00	6888.58
4/22 20:25:06	868.32	79.76	131.49	79.67	79.31	0.00	6888.58
4/22 20:25:36	868.30	79.72	131.46	79.61	79.26	0.00	6888.58
4/22 20:26:06	868.28	79.66	131.42	79.56	79.22	0.00	6888.58
4/22 20:26:36	868.25	79.59	131.39	79.50	79.18	0.00	6888.58
4/22 20:27:06	868.24	79.53	131.36	79.45	79.12	0.00	6888.58
4/22 20:27:36	868.22	79.47	131.34	79.38	79.09	0.00	6888.58
4/22 20:28:06	868.21	79.40	131.30	79.32	79.01	0.00	6888.58
4/22 20:28:36	868.18	79.33	131.26	79.25	78.96	0.00	6888.58
4/22 20:29:06	868.16	79.28	131.24	79.19	78.89	0.00	6888.58
4/22 20:29:36	868.12	79.20	131.21	79.12	78.84	0.00	6888.58
4/22 20:30:06	868.13	79.15	131.18	79.06	78.78	0.00	6888.58
4/22 20:30:36	868.09	79.08	131.15	79.00	78.72	0.00	6888.58
4/22 20:31:06	868.08	79.02	131.13	78.94	78.68	0.00	6888.58
4/22 20:31:36	868.07	78.96	131.09	78.87	78.61	0.00	6888.58
4/22 20:32:06	868.05	78.91	131.07	78.81	78.56	0.00	6888.58
4/22 20:32:36	868.02	78.85	131.04	78.76	78.49	0.00	6888.58
4/22 20:33:06	868.01	78.80	131.02	78.70	78.45	0.00	6888.58
4/22 20:33:36	867.99	78.76	131.00	78.65	78.40	0.00	6888.58
4/22 20:34:06	867.97	78.71	130.97	78.60	78.35	0.00	6888.58

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 20:34:36	867.97	78.67	130.94	78.56	78.31	0.00	6888.58
4/22 20:35:06	867.94	78.62	130.92	78.51	78.26	0.00	6888.58
4/22 20:35:36	867.92	78.58	130.90	78.47	78.23	0.00	6888.58
4/22 20:36:06	867.92	78.54	130.87	78.42	78.18	0.00	6888.58
4/22 20:36:36	867.89	78.50	130.81	78.37	78.13	0.00	6888.58
4/22 20:37:06	867.88	78.45	128.68	78.33	78.10	0.00	6888.58
4/22 20:37:36	867.84	78.42	121.51	78.29	78.05	0.00	6888.58
4/22 20:38:06	867.91	78.39	114.92	78.25	78.03	0.00	6888.58
4/22 20:38:36	868.00	78.34	138.38	78.20	77.99	0.00	6888.58
4/22 20:39:06	868.21	78.32	140.57	78.17	77.93	0.00	6888.58
4/22 20:39:36	868.39	78.27	148.57	78.13	77.90	0.00	6888.58
4/22 20:40:06	868.58	78.23	149.30	78.09	77.85	0.00	6888.58
4/22 20:40:36	868.88	78.18	163.05	78.05	77.81	0.00	6888.58
4/22 20:41:06	869.12	78.14	159.83	78.00	77.77	0.00	6888.58
4/22 20:41:36	869.51	78.10	172.10	77.96	77.73	0.00	6888.58
4/22 20:42:06	869.92	78.06	188.21	77.91	77.69	0.00	6888.58
4/22 20:42:36	870.24	78.01	197.31	77.87	77.64	0.00	6888.58
4/22 20:43:06	870.63	77.97	198.29	77.82	77.60	0.00	6888.58
4/22 20:43:36	871.14	77.92	240.90	77.78	77.55	0.00	6888.58
4/22 20:44:06	871.70	77.86	278.82	77.73	77.50	0.00	6888.58
4/22 20:44:36	872.33	77.81	310.78	77.67	77.46	0.00	6888.58
4/22 20:45:06	872.99	77.76	331.66	77.63	77.41	0.00	6888.58
4/22 20:45:36	873.51	77.71	300.56	77.58	77.37	0.00	6888.58
4/22 20:46:06	873.90	77.65	185.15	77.51	77.31	0.00	6888.58
4/22 20:46:36	874.30	77.60	275.75	77.47	77.28	0.00	6888.58
4/22 20:47:06	874.92	77.54	305.20	77.41	77.22	0.00	6888.58
4/22 20:47:36	875.55	77.49	324.52	77.37	77.18	0.00	6888.58
4/22 20:48:06	876.23	77.45	359.64	77.32	77.12	0.00	6888.58
4/22 20:48:36	876.94	77.41	384.18	77.27	77.07	0.00	6888.58
4/22 20:49:06	877.65	77.36	397.90	77.23	77.03	0.00	6888.58
4/22 20:49:36	878.38	77.32	408.98	77.17	76.98	0.00	6888.58
4/22 20:50:06	879.11	77.27	422.41	77.14	76.93	0.00	6888.58
4/22 20:50:36	879.86	77.23	448.30	77.09	76.89	0.00	6888.58
4/22 20:51:06	880.60	77.20	448.41	77.05	76.84	0.00	6888.58
4/22 20:51:36	881.36	77.16	449.42	77.01	76.79	0.00	6888.58
4/22 20:52:06	882.10	77.12	449.27	76.97	76.75	0.00	6888.58
4/22 20:52:36	882.81	77.08	450.70	76.92	76.71	0.00	6888.58
4/22 20:53:06	883.48	77.04	448.00	76.88	76.66	0.00	6888.58
4/22 20:53:36	884.22	76.99	451.29	76.84	76.62	0.00	6888.58
4/22 20:54:06	884.95	76.95	474.05	76.80	76.57	0.00	6888.58
4/22 20:54:36	885.70	76.91	480.73	76.76	76.52	0.00	6888.58
4/22 20:55:06	886.47	76.86	476.06	76.71	76.47	0.00	6888.58
4/22 20:55:36	887.23	76.82	473.73	76.67	76.44	0.00	6888.58

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/22 20:56:06	887.95	76.78	466.55	76.62	76.40	0.00	6888.58
4/22 20:56:36	888.66	76.74	469.72	76.58	76.34	0.00	6888.58
4/22 20:57:06	889.38	76.71	470.21	76.54	76.31	0.00	6888.58
4/22 20:57:36	890.10	76.66	470.89	76.48	76.27	0.00	6888.58
4/22 20:58:06	890.81	76.62	467.23	76.44	76.23	0.00	6888.58
4/22 20:58:36	891.57	76.57	475.25	76.39	76.19	0.00	6888.58
4/22 20:59:06	892.11	76.53	474.80	76.33	76.15	0.00	6888.58
4/22 20:59:36	892.92	76.49	474.14	76.28	76.10	0.00	6888.58
4/22 21:00:06	893.62	76.44	473.26	76.24	76.07	0.00	6888.58
4/22 21:00:36	894.34	76.39	470.15	76.18	76.03	0.00	6888.58
4/22 21:01:06	895.07	76.33	468.53	76.12	76.01	0.00	6888.58
4/22 21:01:36	895.75	76.27	465.01	76.05	75.97	0.00	6888.58
4/22 21:02:06	896.57	76.21	478.89	76.00	75.93	0.00	6888.58
4/22 21:02:36	897.29	76.16	486.51	75.93	75.88	0.00	6888.58
4/22 21:03:06	897.98	76.09	495.65	75.87	75.86	0.00	6888.58
4/22 21:03:36	898.76	76.03	492.45	75.79	75.83	0.00	6888.58
4/22 21:04:06	899.43	75.97	487.55	75.73	75.80	0.00	6888.58
4/22 21:04:36	900.14	75.89	478.89	75.66	75.76	0.00	6888.58
4/22 21:05:06	900.88	75.82	485.11	75.57	75.72	0.00	6888.58
4/22 21:05:36	901.55	75.75	493.40	75.49	75.67	0.00	6888.58
4/22 21:06:06	902.22	75.67	494.99	75.40	75.64	0.00	6888.58
4/22 21:06:36	902.94	75.58	497.03	75.31	75.59	0.00	6888.58
4/22 21:07:06	903.68	75.50	496.54	75.22	75.56	0.00	6888.58
4/22 21:07:36	904.37	75.40	500.83	75.12	75.51	0.00	6888.58
4/22 21:08:06	905.13	75.32	495.07	75.02	75.46	0.00	6888.58
4/22 21:08:36	905.82	75.22	466.35	74.91	75.41	0.00	6888.58
4/22 21:09:06	906.48	75.13	463.77	74.81	75.37	0.00	6888.58
4/22 21:09:36	906.44	75.04	185.53	74.68	75.32	0.00	6888.58
4/22 21:10:06	906.33	74.96	185.34	74.58	75.27	0.00	6888.58
4/22 21:10:36	906.21	74.85	185.23	74.49	75.23	0.00	6888.58
4/22 21:11:06	906.12	74.76	185.12	74.37	75.18	0.00	6888.58
4/22 21:11:36	906.03	74.65	185.03	74.28	75.15	0.00	6888.58
4/22 21:12:06	905.97	74.55	184.90	74.18	75.09	0.00	6888.58
4/22 21:12:36	905.91	74.45	184.91	74.09	75.03	0.00	6888.58
4/22 21:13:06	905.84	74.36	184.79	73.99	74.99	0.00	6888.58
4/22 21:13:36	905.79	74.27	184.71	73.91	74.94	0.00	6888.58
4/22 21:14:06	905.73	74.18	184.63	73.84	74.89	0.00	6888.58
4/22 21:14:36	905.68	74.09	184.56	73.77	74.83	0.00	6888.58
4/22 21:15:06	905.63	74.02	184.48	73.70	74.79	0.00	6888.58
4/22 21:15:36	905.57	73.94	184.43	73.63	74.74	0.00	6888.58
4/22 21:16:06	905.55	73.87	184.36	73.57	74.69	0.00	6888.58
4/22 21:16:36	905.50	73.79	184.27	73.51	74.64	0.00	6888.58
4/22 21:17:06	905.45	73.72	184.23	73.44	74.60	0.00	6888.58

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 21:17:36	905.40	73.65	184.18	73.39	74.54	0.00	6888.58
4/22 21:18:06	905.34	73.57	184.15	73.30	74.49	0.00	6888.58
4/22 21:18:36	905.33	73.51	184.08	73.26	74.32	0.00	6888.58
4/22 21:19:06	905.28	73.44	184.03	73.19	74.27	0.00	6888.58
4/22 21:19:36	905.26	73.37	183.97	73.13	74.22	0.00	6888.58
4/22 21:20:06	905.22	73.31	183.65	73.07	74.20	0.00	6888.58
4/22 21:20:36	905.16	73.23	183.22	73.01	74.16	0.00	6888.58
4/22 21:21:06	905.14	73.18	183.76	72.95	74.12	0.00	6888.58
4/22 21:21:36	905.10	73.13	183.76	72.90	74.07	0.00	6888.58
4/22 21:22:06	905.07	73.06	183.72	72.84	74.03	0.00	6888.58
4/22 21:22:36	905.05	73.00	183.67	72.78	73.97	0.00	6888.58
4/22 21:23:06	905.00	72.93	183.63	72.72	73.91	0.00	6888.58
4/22 21:23:36	904.98	72.86	183.59	72.66	73.84	0.00	6888.58
4/22 21:24:06	904.97	72.80	183.54	72.59	73.78	0.00	6888.58
4/22 21:24:36	904.92	72.72	183.50	72.52	73.70	0.00	6888.58
4/22 21:25:06	904.90	72.65	183.46	72.45	74.39	0.00	6888.58
4/22 21:25:36	904.51	72.57	183.42	72.38	81.27	0.00	6892.88
4/22 21:26:06	907.72	72.52	183.45	72.32	76.32	254.78	6949.58
4/22 21:26:36	914.31	72.46	183.69	72.27	74.18	337.07	7118.79
4/22 21:27:06	920.41	72.39	183.92	72.20	74.17	329.27	7281.40
4/22 21:27:36	923.62	72.35	184.28	72.14	74.41	329.54	7446.23
4/22 21:28:06	926.87	72.29	184.61	72.09	74.74	329.45	7611.13
4/22 21:28:36	929.98	72.23	185.54	72.03	75.02	324.24	7773.07
4/22 21:29:06	931.31	72.17	185.01	71.97	75.29	289.81	7917.23
4/22 21:29:36	931.53	72.10	185.19	71.91	75.47	293.53	8063.45
4/22 21:30:06	931.83	72.06	185.42	71.87	75.59	310.38	8212.52
4/22 21:30:36	932.16	71.99	185.68	71.81	75.67	307.05	8367.95
4/22 21:31:06	932.44	71.94	185.95	71.76	75.67	307.68	8520.33
4/22 21:31:36	932.42	71.89	185.91	71.71	75.57	0.00	8642.62
4/22 21:32:06	932.01	71.84	186.83	71.67	75.41	0.00	8642.62
4/22 21:32:36	931.96	71.79	186.20	71.61	75.26	0.00	8642.62
4/22 21:33:06	931.92	71.74	186.14	71.56	75.08	0.00	8642.62
4/22 21:33:36	931.87	71.69	186.10	71.51	74.92	0.00	8642.62
4/22 21:34:06	931.82	71.64	186.07	71.47	74.78	0.00	8642.62
4/22 21:34:36	931.79	71.60	186.03	71.42	74.68	0.00	8642.62
4/22 21:35:06	931.75	71.54	185.98	71.37	74.56	0.00	8642.62
4/22 21:35:36	931.71	71.50	185.58	71.32	74.46	0.00	8642.62
4/22 21:36:06	931.69	71.46	187.50	71.28	74.39	0.00	8642.62
4/22 21:36:36	931.65	71.41	197.08	71.24	74.31	0.00	8642.62
4/22 21:37:06	931.82	71.38	191.83	71.20	74.22	0.00	8642.62
4/22 21:37:36	931.98	71.34	194.70	71.15	74.16	0.00	8642.62
4/22 21:38:06	932.18	71.30	198.71	71.12	74.09	0.00	8642.62
4/22 21:38:36	932.63	71.27	241.30	71.09	74.02	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 21:39:06	933.28	71.25	281.62	71.06	73.94	0.00	8642.62
4/22 21:39:36	933.99	71.22	308.24	71.04	73.87	0.00	8642.62
4/22 21:40:06	934.66	71.20	313.19	71.00	73.80	0.00	8642.62
4/22 21:40:36	935.35	71.18	329.71	70.99	73.74	0.00	8642.62
4/22 21:41:06	936.04	71.16	334.41	70.95	73.67	0.00	8642.62
4/22 21:41:36	936.72	71.12	336.32	70.91	73.60	0.00	8642.62
4/22 21:42:06	937.41	71.09	341.79	70.88	73.53	0.00	8642.62
4/22 21:42:36	938.13	71.06	343.79	70.85	73.46	0.00	8642.62
4/22 21:43:06	938.54	71.01	268.32	70.80	73.39	0.00	8642.62
4/22 21:43:36	939.11	70.97	303.28	70.76	73.32	0.00	8642.62
4/22 21:44:06	939.83	70.93	357.03	70.73	73.24	0.00	8642.62
4/22 21:44:36	940.63	70.89	376.37	70.69	73.18	0.00	8642.62
4/22 21:45:06	941.40	70.86	384.15	70.66	73.11	0.00	8642.62
4/22 21:45:36	942.20	70.82	395.82	70.62	73.05	0.00	8642.62
4/22 21:46:06	943.01	70.79	399.95	70.59	72.97	0.00	8642.62
4/22 21:46:36	943.81	70.76	404.50	70.56	72.91	0.00	8642.62
4/22 21:47:06	944.62	70.73	417.06	70.52	72.86	0.00	8642.62
4/22 21:47:36	945.47	70.70	418.38	70.50	72.80	0.00	8642.62
4/22 21:48:06	946.26	70.67	422.29	70.47	72.75	0.00	8642.62
4/22 21:48:36	947.08	70.64	416.69	70.44	72.70	0.00	8642.62
4/22 21:49:06	947.88	70.62	411.70	70.41	72.65	0.00	8642.62
4/22 21:49:36	948.66	70.59	420.10	70.39	72.59	0.00	8642.62
4/22 21:50:06	949.50	70.55	420.84	70.36	72.54	0.00	8642.62
4/22 21:50:36	950.29	70.52	421.07	70.32	72.47	0.00	8642.62
4/22 21:51:06	951.10	70.49	423.98	70.29	72.42	0.00	8642.62
4/22 21:51:36	951.88	70.47	420.65	70.26	72.36	0.00	8642.62
4/22 21:52:06	952.65	70.42	419.32	70.22	72.31	0.00	8642.62
4/22 21:52:36	953.46	70.41	424.11	70.20	72.26	0.00	8642.62
4/22 21:53:06	954.22	70.37	428.67	70.18	72.21	0.00	8642.62
4/22 21:53:36	955.04	70.35	428.65	70.14	72.15	0.00	8642.62
4/22 21:54:06	955.81	70.32	431.86	70.12	72.09	0.00	8642.62
4/22 21:54:36	956.57	70.30	430.41	70.10	72.05	0.00	8642.62
4/22 21:55:06	957.36	70.28	428.60	70.07	72.00	0.00	8642.62
4/22 21:55:36	958.13	70.26	430.56	70.06	71.94	0.00	8642.62
4/22 21:56:06	958.89	70.25	427.13	70.04	71.90	0.00	8642.62
4/22 21:56:36	959.63	70.24	428.31	70.02	71.84	0.00	8642.62
4/22 21:57:06	960.40	70.23	429.72	70.01	71.79	0.00	8642.62
4/22 21:57:36	960.73	70.22	215.75	69.99	71.74	0.00	8642.62
4/22 21:58:06	960.63	70.22	220.85	69.98	71.70	0.00	8642.62
4/22 21:58:36	960.51	70.20	220.07	69.97	71.65	0.00	8642.62
4/22 21:59:06	960.40	70.19	220.02	69.96	71.60	0.00	8642.62
4/22 21:59:36	960.33	70.17	219.91	69.94	71.55	0.00	8642.62
4/22 22:00:06	960.24	70.14	219.80	69.92	71.50	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 22:00:36	960.16	70.12	219.72	69.90	71.44	0.00	8642.62
4/22 22:01:06	960.07	70.09	219.62	69.87	71.37	0.00	8642.62
4/22 22:01:36	960.00	70.06	219.54	69.85	71.33	0.00	8642.62
4/22 22:02:06	959.94	70.04	219.47	69.82	71.27	0.00	8642.62
4/22 22:02:36	959.88	70.00	219.42	69.79	71.22	0.00	8642.62
4/22 22:03:06	959.81	69.96	219.35	69.76	71.15	0.00	8642.62
4/22 22:03:36	959.74	69.92	219.28	69.72	71.10	0.00	8642.62
4/22 22:04:06	959.67	69.86	219.22	69.67	71.04	0.00	8642.62
4/22 22:04:36	959.62	69.82	219.14	69.63	70.97	0.00	8642.62
4/22 22:05:06	959.55	69.77	219.06	69.58	70.91	0.00	8642.62
4/22 22:05:36	959.48	69.71	219.03	69.53	70.85	0.00	8642.62
4/22 22:06:06	959.45	69.67	218.80	69.48	70.79	0.00	8642.62
4/22 22:06:36	959.39	69.61	218.62	69.44	70.72	0.00	8642.62
4/22 22:07:06	959.33	69.56	218.58	69.39	70.65	0.00	8642.62
4/22 22:07:36	959.30	69.50	218.72	69.33	70.59	0.00	8642.62
4/22 22:08:06	959.24	69.44	218.71	69.27	70.51	0.00	8642.62
4/22 22:08:36	959.20	69.38	218.66	69.21	70.45	0.00	8642.62
4/22 22:09:06	959.15	69.32	218.61	69.16	70.39	0.00	8642.62
4/22 22:09:36	959.10	69.27	218.56	69.10	70.32	0.00	8642.62
4/22 22:10:06	959.06	69.22	218.51	69.05	70.25	0.00	8642.62
4/22 22:10:36	959.02	69.17	218.46	69.00	70.20	0.00	8642.62
4/22 22:11:06	958.99	69.13	218.41	68.95	70.12	0.00	8642.62
4/22 22:11:36	958.94	69.08	218.36	68.91	70.07	0.00	8642.62
4/22 22:12:06	958.90	69.03	218.31	68.87	70.01	0.00	8642.62
4/22 22:12:36	958.86	68.99	218.27	68.81	69.95	0.00	8642.62
4/22 22:13:06	958.82	68.95	218.23	68.78	69.90	0.00	8642.62
4/22 22:13:36	958.79	68.90	218.18	68.72	69.84	0.00	8642.62
4/22 22:14:06	958.75	68.86	218.14	68.69	69.79	0.00	8642.62
4/22 22:14:36	958.72	68.82	218.09	68.65	69.73	0.00	8642.62
4/22 22:15:06	958.68	68.77	218.05	68.60	69.68	0.00	8642.62
4/22 22:15:36	958.65	68.73	218.01	68.56	69.63	0.00	8642.62
4/22 22:16:06	958.62	68.70	217.97	68.52	69.58	0.00	8642.62
4/22 22:16:36	958.59	68.68	217.92	68.49	69.53	0.00	8642.62
4/22 22:17:06	958.56	68.66	217.89	68.46	69.48	0.00	8642.62
4/22 22:17:36	958.52	68.63	217.85	68.44	69.43	0.00	8642.62
4/22 22:18:06	958.49	68.62	217.81	68.42	69.38	0.00	8642.62
4/22 22:18:36	958.46	68.60	217.77	68.40	69.33	0.00	8642.62
4/22 22:19:06	958.42	68.58	217.73	68.38	69.28	0.00	8642.62
4/22 22:19:36	958.40	68.56	217.70	68.36	69.24	0.00	8642.62
4/22 22:20:06	958.36	68.55	217.66	68.34	69.19	0.00	8642.62
4/22 22:20:36	958.34	68.54	217.63	68.33	69.14	0.00	8642.62
4/22 22:21:06	958.31	68.52	217.58	68.31	69.10	0.00	8642.62
4/22 22:21:36	958.27	68.51	217.55	68.30	69.05	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 22:22:06	958.24	68.50	217.51	68.29	69.00	0.00	8642.62
4/22 22:22:36	958.21	68.50	217.48	68.28	68.96	0.00	8642.62
4/22 22:23:06	958.18	68.50	217.45	68.28	68.92	0.00	8642.62
4/22 22:23:36	958.15	68.50	217.41	68.28	68.88	0.00	8642.62
4/22 22:24:06	958.13	68.50	217.38	68.28	68.85	0.00	8642.62
4/22 22:24:36	958.10	68.51	217.34	68.28	68.81	0.00	8642.62
4/22 22:25:06	958.06	68.51	217.31	68.29	68.79	0.00	8642.62
4/22 22:25:36	958.04	68.52	217.28	68.29	68.76	0.00	8642.62
4/22 22:26:06	958.01	68.52	217.24	68.29	68.74	0.00	8642.62
4/22 22:26:36	957.98	68.52	217.22	68.29	68.71	0.00	8642.62
4/22 22:27:06	957.96	68.51	217.18	68.29	68.68	0.00	8642.62
4/22 22:27:36	957.93	68.50	217.15	68.28	68.64	0.00	8642.62
4/22 22:28:06	957.90	68.49	217.12	68.27	68.61	0.00	8642.62
4/22 22:28:36	957.87	68.47	217.09	68.25	68.58	0.00	8642.62
4/22 22:29:06	957.85	68.45	217.06	68.24	68.54	0.00	8642.62
4/22 22:29:36	957.82	68.43	217.04	68.22	68.51	0.00	8642.62
4/22 22:30:06	957.80	68.41	217.00	68.20	68.47	0.00	8642.62
4/22 22:30:36	957.77	68.38	216.98	68.18	68.44	0.00	8642.62
4/22 22:31:06	957.74	68.36	216.95	68.15	68.42	0.00	8642.62
4/22 22:31:36	957.72	68.33	216.93	68.13	68.37	0.00	8642.62
4/22 22:32:06	957.70	68.31	216.89	68.10	68.34	0.00	8642.62
4/22 22:32:36	957.67	68.27	216.87	68.08	68.30	0.00	8642.62
4/22 22:33:06	957.65	68.24	216.84	68.05	68.27	0.00	8642.62
4/22 22:33:36	957.62	68.22	216.81	68.02	68.22	0.00	8642.62
4/22 22:34:06	957.61	68.18	216.78	67.99	68.19	0.00	8642.62
4/22 22:34:36	957.58	68.14	216.75	67.96	68.15	0.00	8642.62
4/22 22:35:06	957.56	68.11	216.73	67.93	68.11	0.00	8642.62
4/22 22:35:36	957.53	68.08	216.70	67.90	68.07	0.00	8642.62
4/22 22:36:06	957.52	68.06	216.68	67.87	68.03	0.00	8642.62
4/22 22:36:36	957.50	68.02	216.65	67.84	67.99	0.00	8642.62
4/22 22:37:06	957.47	67.99	216.62	67.81	67.95	0.00	8642.62
4/22 22:37:36	957.44	67.96	216.60	67.78	67.92	0.00	8642.62
4/22 22:38:06	957.42	67.94	216.57	67.76	67.88	0.00	8642.62
4/22 22:38:36	957.40	67.91	216.55	67.74	67.85	0.00	8642.62
4/22 22:39:06	957.39	67.88	216.52	67.70	67.80	0.00	8642.62
4/22 22:39:36	957.37	67.86	216.50	67.68	67.76	0.00	8642.62
4/22 22:40:06	957.35	67.83	216.47	67.65	67.74	0.00	8642.62
4/22 22:40:36	957.32	67.79	216.44	67.62	67.70	0.00	8642.62
4/22 22:41:06	957.31	67.77	216.42	67.59	67.66	0.00	8642.62
4/22 22:41:36	957.27	67.73	216.40	67.55	67.63	0.00	8642.62
4/22 22:42:06	957.26	67.70	216.37	67.52	67.58	0.00	8642.62
4/22 22:42:36	957.24	67.67	216.35	67.49	67.54	0.00	8642.62
4/22 22:43:06	957.22	67.64	216.33	67.46	67.51	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 22:43:36	957.19	67.61	216.30	67.43	67.47	0.00	8642.62
4/22 22:44:06	957.18	67.57	216.28	67.39	67.44	0.00	8642.62
4/22 22:44:36	957.15	67.54	216.25	67.36	67.41	0.00	8642.62
4/22 22:45:06	957.13	67.51	216.23	67.33	67.37	0.00	8642.62
4/22 22:45:36	957.11	67.49	216.21	67.29	67.33	0.00	8642.62
4/22 22:46:06	957.09	67.45	216.19	67.26	67.30	0.00	8642.62
4/22 22:46:36	957.08	67.43	216.17	67.23	67.26	0.00	8642.62
4/22 22:47:06	957.06	67.40	216.14	67.19	67.24	0.00	8642.62
4/22 22:47:36	957.04	67.37	216.12	67.17	67.20	0.00	8642.62
4/22 22:48:06	957.02	67.34	216.10	67.14	67.17	0.00	8642.62
4/22 22:48:36	957.01	67.31	216.08	67.11	67.14	0.00	8642.62
4/22 22:49:06	956.99	67.28	216.05	67.07	67.11	0.00	8642.62
4/22 22:49:36	956.97	67.25	216.03	67.05	67.08	0.00	8642.62
4/22 22:50:06	956.96	67.22	216.01	67.02	67.04	0.00	8642.62
4/22 22:50:36	956.92	67.18	215.99	66.99	67.02	0.00	8642.62
4/22 22:51:06	956.91	67.16	215.96	66.95	66.99	0.00	8642.62
4/22 22:51:36	956.89	67.13	215.94	66.91	66.96	0.00	8642.62
4/22 22:52:06	956.87	67.10	215.92	66.89	66.92	0.00	8642.62
4/22 22:52:36	956.86	67.07	215.90	66.86	66.89	0.00	8642.62
4/22 22:53:06	956.84	67.05	215.88	66.84	66.86	0.00	8642.62
4/22 22:53:36	956.83	67.03	215.86	66.81	66.83	0.00	8642.62
4/22 22:54:06	956.81	67.01	215.85	66.79	66.80	0.00	8642.62
4/22 22:54:36	956.79	67.00	215.82	66.78	66.77	0.00	8642.62
4/22 22:55:06	956.72	66.99	204.91	66.76	66.74	0.00	8642.62
4/22 22:55:36	956.83	66.99	221.53	66.75	66.72	0.00	8642.62
4/22 22:56:06	956.97	66.99	222.71	66.75	66.71	0.00	8642.62
4/22 22:56:36	957.17	66.99	259.27	66.74	66.69	0.00	8642.62
4/22 22:57:06	957.41	67.00	256.77	66.75	66.67	0.00	8642.62
4/22 22:57:36	957.94	67.01	282.73	66.75	66.65	0.00	8642.62
4/22 22:58:06	958.76	67.02	327.54	66.76	66.64	0.00	8642.62
4/22 22:58:36	959.46	67.03	323.34	66.77	66.62	0.00	8642.62
4/22 22:59:06	960.19	67.04	331.11	66.78	66.60	0.00	8642.62
4/22 22:59:36	960.97	67.06	348.22	66.78	66.59	0.00	8642.62
4/22 23:00:06	961.79	67.07	369.22	66.80	66.57	0.00	8642.62
4/22 23:00:36	962.60	67.08	384.58	66.80	66.55	0.00	8642.62
4/22 23:01:06	963.36	67.09	372.18	66.82	66.53	0.00	8642.62
4/22 23:01:36	964.16	67.10	380.38	66.83	66.52	0.00	8642.62
4/22 23:02:06	964.88	67.11	368.85	66.84	66.50	0.00	8642.62
4/22 23:02:36	965.65	67.11	372.92	66.84	66.48	0.00	8642.62
4/22 23:03:06	966.35	67.12	373.70	66.84	66.46	0.00	8642.62
4/22 23:03:36	967.12	67.12	375.78	66.85	66.44	0.00	8642.62
4/22 23:04:06	967.83	67.11	371.07	66.85	66.41	0.00	8642.62
4/22 23:04:36	968.55	67.11	367.74	66.85	66.39	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 23:05:06	969.26	67.10	372.44	66.84	66.38	0.00	8642.62
4/22 23:05:36	970.02	67.10	374.04	66.84	66.36	0.00	8642.62
4/22 23:06:06	970.72	67.09	380.52	66.83	66.34	0.00	8642.62
4/22 23:06:36	971.48	67.08	383.97	66.82	66.32	0.00	8642.62
4/22 23:07:06	972.19	67.07	378.58	66.82	66.31	0.00	8642.62
4/22 23:07:36	972.88	67.05	372.06	66.81	66.29	0.00	8642.62
4/22 23:08:06	973.62	67.04	383.87	66.80	66.27	0.00	8642.62
4/22 23:08:36	974.40	67.03	399.12	66.79	66.25	0.00	8642.62
4/22 23:09:06	975.19	67.03	415.41	66.79	66.23	0.00	8642.62
4/22 23:09:36	975.99	67.02	421.11	66.78	66.22	0.00	8642.62
4/22 23:10:06	976.73	67.02	297.29	66.77	66.20	0.00	8642.62
4/22 23:10:36	977.10	67.01	303.65	66.75	66.19	0.00	8642.62
4/22 23:11:06	977.65	67.00	351.44	66.75	66.16	0.00	8642.62
4/22 23:11:36	978.30	66.99	368.87	66.74	66.14	0.00	8642.62
4/22 23:12:06	979.00	66.98	376.30	66.74	66.12	0.00	8642.62
4/22 23:12:36	979.66	66.97	374.12	66.73	66.11	0.00	8642.62
4/22 23:13:06	980.31	66.97	367.74	66.72	66.09	0.00	8642.62
4/22 23:13:36	980.93	66.96	361.72	66.72	66.07	0.00	8642.62
4/22 23:14:06	981.61	66.96	375.68	66.72	66.05	0.00	8642.62
4/22 23:14:36	982.22	66.95	366.94	66.71	66.04	0.00	8642.62
4/22 23:15:06	982.80	66.95	372.84	66.71	66.02	0.00	8642.62
4/22 23:15:36	983.37	66.94	360.60	66.70	66.00	0.00	8642.62
4/22 23:16:06	983.97	66.93	341.48	66.70	65.98	0.00	8642.62
4/22 23:16:36	984.50	66.93	378.44	66.69	65.97	0.00	8642.62
4/22 23:17:06	985.11	66.92	370.13	66.69	65.95	0.00	8642.62
4/22 23:17:36	985.75	66.91	355.85	66.68	65.93	0.00	8642.62
4/22 23:18:06	986.27	66.90	381.31	66.67	65.92	0.00	8642.62
4/22 23:18:36	986.86	66.89	377.72	66.66	65.90	0.00	8642.62
4/22 23:19:06	987.43	66.88	363.59	66.65	65.89	0.00	8642.62
4/22 23:19:36	988.09	66.86	365.84	66.64	65.88	0.00	8642.62
4/22 23:20:06	988.74	66.85	374.58	66.62	65.85	0.00	8642.62
4/22 23:20:36	989.38	66.83	372.39	66.61	65.84	0.00	8642.62
4/22 23:21:06	990.03	66.82	372.75	66.60	65.82	0.00	8642.62
4/22 23:21:36	990.67	66.80	376.35	66.59	65.80	0.00	8642.62
4/22 23:22:06	991.29	66.79	373.42	66.58	65.79	0.00	8642.62
4/22 23:22:36	991.93	66.78	380.96	66.57	65.78	0.00	8642.62
4/22 23:23:06	992.70	66.77	401.59	66.56	65.77	0.00	8642.62
4/22 23:23:36	993.42	66.76	417.10	66.55	65.75	0.00	8642.62
4/22 23:24:06	994.11	66.75	428.90	66.54	65.74	0.00	8642.62
4/22 23:24:36	994.84	66.74	435.72	66.53	65.73	0.00	8642.62
4/22 23:25:06	995.61	66.74	442.13	66.53	65.72	0.00	8642.62
4/22 23:25:36	996.36	66.74	442.70	66.53	65.70	0.00	8642.62
4/22 23:26:06	997.11	66.75	443.73	66.52	65.70	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 23:26:36	997.84	66.75	444.84	66.53	65.69	0.00	8642.62
4/22 23:27:06	998.65	66.75	448.18	66.53	65.68	0.00	8642.62
4/22 23:27:36	999.37	66.75	450.80	66.52	65.67	0.00	8642.62
4/22 23:28:06	1000.06	66.75	450.85	66.52	65.67	0.00	8642.62
4/22 23:28:36	1000.82	66.75	444.98	66.52	65.65	0.00	8642.62
4/22 23:29:06	1001.49	66.75	413.87	66.52	65.65	0.00	8642.62
4/22 23:29:36	1002.14	66.74	393.72	66.52	65.63	0.00	8642.62
4/22 23:30:06	1002.73	66.74	385.72	66.51	65.62	0.00	8642.62
4/22 23:30:36	1003.30	66.73	365.97	66.51	65.61	0.00	8642.62
4/22 23:31:06	1003.91	66.73	364.73	66.51	65.59	0.00	8642.62
4/22 23:31:36	1004.52	66.73	402.11	66.50	65.59	0.00	8642.62
4/22 23:32:06	1005.13	66.72	402.24	66.50	65.58	0.00	8642.62
4/22 23:32:36	1005.68	66.71	397.38	66.50	65.57	0.00	8642.62
4/22 23:33:06	1006.21	66.70	389.99	66.49	65.57	0.00	8642.62
4/22 23:33:36	1006.79	66.69	382.37	66.48	65.56	0.00	8642.62
4/22 23:34:06	1007.37	66.68	403.43	66.47	65.55	0.00	8642.62
4/22 23:34:36	1008.01	66.66	434.72	66.45	65.55	0.00	8642.62
4/22 23:35:06	1008.56	66.63	445.02	66.43	65.54	0.00	8642.62
4/22 23:35:36	1009.19	66.61	443.45	66.41	65.53	0.00	8642.62
4/22 23:36:06	1009.78	66.58	443.40	66.39	65.52	0.00	8642.62
4/22 23:36:36	1010.38	66.55	433.85	66.36	65.51	0.00	8642.62
4/22 23:37:06	1010.97	66.53	450.41	66.34	65.50	0.00	8642.62
4/22 23:37:36	1011.58	66.50	457.72	66.32	65.49	0.00	8642.62
4/22 23:38:06	1012.19	66.48	465.09	66.30	65.48	0.00	8642.62
4/22 23:38:36	1012.88	66.46	475.54	66.29	65.48	0.00	8642.62
4/22 23:39:06	1013.54	66.44	487.85	66.26	65.47	0.00	8642.62
4/22 23:39:36	1014.17	66.41	469.13	66.25	65.46	0.00	8642.62
4/22 23:40:06	1014.67	66.39	438.97	66.22	65.45	0.00	8642.62
4/22 23:40:36	1015.24	66.36	426.44	66.20	65.44	0.00	8642.62
4/22 23:41:06	1015.85	66.34	459.39	66.18	65.43	0.00	8642.62
4/22 23:41:36	1016.40	66.31	447.41	66.16	65.42	0.00	8642.62
4/22 23:42:06	1016.98	66.29	448.16	66.14	65.41	0.00	8642.62
4/22 23:42:36	1017.57	66.27	451.44	66.12	65.39	0.00	8642.62
4/22 23:43:06	1018.17	66.24	439.59	66.10	65.38	0.00	8642.62
4/22 23:43:36	1018.69	66.22	434.84	66.08	65.37	0.00	8642.62
4/22 23:44:06	1019.18	66.20	431.49	66.06	65.36	0.00	8642.62
4/22 23:44:36	1019.73	66.18	423.87	66.04	65.34	0.00	8642.62
4/22 23:45:06	1020.19	66.16	421.91	66.03	65.33	0.00	8642.62
4/22 23:45:36	1020.66	66.13	420.24	66.00	65.32	0.00	8642.62
4/22 23:46:06	1021.22	66.11	426.10	65.98	65.31	0.00	8642.62
4/22 23:46:36	1021.79	66.09	424.94	65.96	65.31	0.00	8642.62
4/22 23:47:06	1022.28	66.08	421.38	65.95	65.30	0.00	8642.62
4/22 23:47:36	1022.83	66.06	424.52	65.92	65.30	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/22 23:48:06	1023.03	66.05	319.56	65.91	65.29	0.00	8642.62
4/22 23:48:36	1022.93	66.04	297.57	65.89	65.29	0.00	8642.62
4/22 23:49:06	1022.83	66.03	297.18	65.88	65.28	0.00	8642.62
4/22 23:49:36	1022.74	66.02	296.85	65.88	65.28	0.00	8642.62
4/22 23:50:06	1022.63	66.01	296.74	65.87	65.28	0.00	8642.62
4/22 23:50:36	1022.56	66.02	296.65	65.87	65.27	0.00	8642.62
4/22 23:51:06	1022.50	66.01	296.53	65.87	65.27	0.00	8642.62
4/22 23:51:36	1022.43	65.96	296.42	65.86	65.26	0.00	8642.62
4/22 23:52:06	1022.36	65.89	296.34	65.86	65.27	0.00	8642.62
4/22 23:52:36	1022.29	65.80	296.24	65.86	65.27	0.00	8642.62
4/22 23:53:06	1022.22	65.71	296.15	65.85	65.27	0.00	8642.62
4/22 23:53:36	1022.15	65.63	296.00	65.84	65.27	0.00	8642.62
4/22 23:54:06	1022.11	65.56	295.93	65.83	65.18	0.00	8642.62
4/22 23:54:36	1022.07	65.50	295.84	65.81	65.20	0.00	8642.62
4/22 23:55:06	1022.03	65.46	295.78	65.79	65.20	0.00	8642.62
4/22 23:55:36	1021.97	65.42	295.71	65.76	65.20	0.00	8642.62
4/22 23:56:06	1021.93	65.40	295.64	65.73	65.20	0.00	8642.62
4/22 23:56:36	1021.88	65.38	295.57	65.70	65.20	0.00	8642.62
4/22 23:57:06	1021.82	65.35	295.52	65.67	65.18	0.00	8642.62
4/22 23:57:36	1021.76	65.33	295.45	65.64	65.18	0.00	8642.62
4/22 23:58:06	1021.73	65.32	295.39	65.59	65.16	0.00	8642.62
4/22 23:58:36	1021.68	65.29	295.32	65.56	65.14	0.00	8642.62
4/22 23:59:06	1021.62	65.26	295.26	65.51	65.12	0.00	8642.62
4/22 23:59:36	1021.58	65.24	295.21	65.48	65.10	0.00	8642.62
4/23 0:00:06	1021.53	65.21	295.13	65.44	65.07	0.00	8642.62
4/23 0:00:36	1021.49	65.18	295.09	65.39	65.05	0.00	8642.62
4/23 0:01:06	1021.44	65.15	295.03	65.34	65.02	0.00	8642.62
4/23 0:01:36	1021.41	65.12	294.97	65.29	65.00	0.00	8642.62
4/23 0:02:06	1021.36	65.09	294.92	65.25	64.97	0.00	8642.62
4/23 0:02:36	1021.32	65.05	294.87	65.20	64.95	0.00	8642.62
4/23 0:03:06	1021.27	65.02	294.82	65.16	64.92	0.00	8642.62
4/23 0:03:36	1021.23	64.98	294.76	65.11	64.91	0.00	8642.62
4/23 0:04:06	1021.20	64.96	294.71	65.06	64.89	0.00	8642.62
4/23 0:04:36	1021.15	64.92	294.66	65.01	64.87	0.00	8642.62
4/23 0:05:06	1021.12	64.89	294.61	64.97	64.85	0.00	8642.62
4/23 0:05:36	1021.09	64.87	294.56	64.92	64.83	0.00	8642.62
4/23 0:06:06	1021.06	64.84	294.51	64.90	64.82	0.00	8642.62
4/23 0:06:36	1021.01	64.81	294.46	64.86	64.81	0.00	8642.62
4/23 0:07:06	1020.98	64.78	294.41	64.83	64.80	0.00	8642.62
4/23 0:07:36	1020.95	64.76	294.36	64.79	64.78	0.00	8642.62
4/23 0:08:06	1020.91	64.73	294.32	64.75	64.77	0.00	8642.62
4/23 0:08:36	1020.87	64.70	294.27	64.72	64.76	0.00	8642.62
4/23 0:09:06	1020.83	64.67	294.23	64.68	64.75	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/23 0:09:36	1020.80	64.65	294.17	64.64	64.72	0.00	8642.62
4/23 0:10:06	1020.77	64.62	294.13	64.60	64.71	0.00	8642.62
4/23 0:10:36	1020.73	64.59	294.09	64.57	64.70	0.00	8642.62
4/23 0:11:06	1020.71	64.55	294.05	64.53	64.68	0.00	8642.62
4/23 0:11:36	1020.68	64.53	294.01	64.51	64.66	0.00	8642.62
4/23 0:12:06	1020.64	64.51	293.96	64.48	64.64	0.00	8642.62
4/23 0:12:36	1020.61	64.48	293.93	64.45	64.63	0.00	8642.62
4/23 0:13:06	1020.59	64.47	293.87	64.42	64.61	0.00	8642.62
4/23 0:13:36	1020.56	64.44	293.83	64.40	64.60	0.00	8642.62
4/23 0:14:06	1020.53	64.43	293.79	64.38	64.59	0.00	8642.62
4/23 0:14:36	1020.50	64.42	293.75	64.36	64.58	0.00	8642.62
4/23 0:15:06	1020.47	64.41	293.71	64.34	64.57	0.00	8642.62
4/23 0:15:36	1020.44	64.40	293.67	64.33	64.57	0.00	8642.62
4/23 0:16:06	1020.40	64.39	293.62	64.32	64.56	0.00	8642.62
4/23 0:16:36	1020.38	64.39	293.58	64.31	64.55	0.00	8642.62
4/23 0:17:06	1020.35	64.38	293.55	64.30	64.55	0.00	8642.62
4/23 0:17:36	1020.32	64.38	293.52	64.29	64.54	0.00	8642.62
4/23 0:18:06	1020.30	64.37	293.47	64.28	64.53	0.00	8642.62
4/23 0:18:36	1020.26	64.36	293.44	64.27	64.53	0.00	8642.62
4/23 0:19:06	1020.24	64.36	293.40	64.26	64.52	0.00	8642.62
4/23 0:19:36	1020.20	64.36	293.36	64.26	64.51	0.00	8642.62
4/23 0:20:06	1020.18	64.35	293.32	64.25	64.50	0.00	8642.62
4/23 0:20:36	1020.16	64.34	293.29	64.24	64.49	0.00	8642.62
4/23 0:21:06	1020.12	64.34	293.25	64.23	64.49	0.00	8642.62
4/23 0:21:36	1020.10	64.33	293.21	64.22	64.48	0.00	8642.62
4/23 0:22:06	1020.08	64.33	293.18	64.22	64.46	0.00	8642.62
4/23 0:22:36	1020.05	64.32	293.15	64.21	64.44	0.00	8642.62
4/23 0:23:06	1020.03	64.32	293.11	64.20	64.44	0.00	8642.62
4/23 0:23:36	1020.01	64.33	273.85	64.19	64.43	0.00	8642.62
4/23 0:24:06	1020.06	64.33	364.83	64.19	64.42	0.00	8642.62
4/23 0:24:36	1020.18	64.33	383.19	64.19	64.42	0.00	8642.62
4/23 0:25:06	1020.27	64.33	291.59	64.19	64.42	0.00	8642.62
4/23 0:25:36	1020.50	64.35	324.05	64.20	64.42	0.00	8642.62
4/23 0:26:06	1020.91	64.36	323.01	64.20	64.42	0.00	8642.62
4/23 0:26:36	1021.28	64.37	328.99	64.21	64.43	0.00	8642.62
4/23 0:27:06	1021.70	64.39	356.30	64.22	64.44	0.00	8642.62
4/23 0:27:36	1021.94	64.41	339.25	64.23	64.44	0.00	8642.62
4/23 0:28:06	1022.36	64.43	351.12	64.23	64.44	0.00	8642.62
4/23 0:28:36	1022.86	64.44	361.19	64.24	64.45	0.00	8642.62
4/23 0:29:06	1023.30	64.46	369.08	64.24	64.46	0.00	8642.62
4/23 0:29:36	1023.67	64.47	382.15	64.24	64.47	0.00	8642.62
4/23 0:30:06	1024.30	64.49	388.63	64.25	64.48	0.00	8642.62
4/23 0:30:36	1024.82	64.50	392.70	64.25	64.49	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/23 0:31:06	1025.38	64.51	422.54	64.26	64.50	0.00	8642.62
4/23 0:31:36	1026.04	64.52	440.20	64.27	64.51	0.00	8642.62
4/23 0:32:06	1026.55	64.52	415.97	64.26	64.52	0.00	8642.62
4/23 0:32:36	1027.05	64.53	433.87	64.27	64.53	0.00	8642.62
4/23 0:33:06	1027.55	64.54	433.25	64.27	64.55	0.00	8642.62
4/23 0:33:36	1028.18	64.57	415.19	64.28	64.57	0.00	8642.62
4/23 0:34:06	1028.62	64.61	395.78	64.30	64.60	0.00	8642.62
4/23 0:34:36	1029.21	64.63	415.71	64.33	64.63	0.00	8642.62
4/23 0:35:06	1029.79	64.67	429.94	64.35	64.66	0.00	8642.62
4/23 0:35:36	1030.37	64.69	435.90	64.38	64.70	0.00	8642.62
4/23 0:36:06	1030.78	64.72	426.61	64.39	64.73	0.00	8642.62
4/23 0:36:36	1031.44	64.74	424.12	64.41	64.77	0.00	8642.62
4/23 0:37:06	1032.09	64.75	442.08	64.42	64.78	0.00	8642.62
4/23 0:37:36	1032.57	64.77	438.20	64.43	64.80	0.00	8642.62
4/23 0:38:06	1033.19	64.79	442.46	64.44	64.83	0.00	8642.62
4/23 0:38:36	1033.73	64.83	445.83	64.46	64.86	0.00	8642.62
4/23 0:39:06	1034.21	64.85	454.70	64.49	64.89	0.00	8642.62
4/23 0:39:36	1034.72	64.89	453.33	64.52	64.92	0.00	8642.62
4/23 0:40:06	1035.26	64.93	454.63	64.56	64.96	0.00	8642.62
4/23 0:40:36	1035.82	64.97	464.52	64.59	65.01	0.00	8642.62
4/23 0:41:06	1036.34	65.01	460.09	64.63	65.05	0.00	8642.62
4/23 0:41:36	1036.89	65.06	430.85	64.69	65.09	0.00	8642.62
4/23 0:42:06	1037.35	65.11	442.79	64.75	65.14	0.00	8642.62
4/23 0:42:36	1037.93	65.17	430.53	64.79	65.19	0.00	8642.62
4/23 0:43:06	1038.54	65.22	453.16	64.85	65.23	0.00	8642.62
4/23 0:43:36	1039.02	65.29	471.36	64.92	65.29	0.00	8642.62
4/23 0:44:06	1039.60	65.35	472.24	64.97	65.33	0.00	8642.62
4/23 0:44:36	1040.17	65.40	475.45	65.02	65.37	0.00	8642.62
4/23 0:45:06	1040.64	65.45	484.31	65.07	65.41	0.00	8642.62
4/23 0:45:36	1041.26	65.50	472.87	65.11	65.46	0.00	8642.62
4/23 0:46:06	1041.84	65.54	473.47	65.16	65.49	0.00	8642.62
4/23 0:46:36	1042.35	65.56	475.77	65.18	65.52	0.00	8642.62
4/23 0:47:06	1042.86	65.59	474.89	65.20	65.55	0.00	8642.62
4/23 0:47:36	1043.48	65.61	466.60	65.23	65.58	0.00	8642.62
4/23 0:48:06	1043.97	65.62	448.52	65.24	65.60	0.00	8642.62
4/23 0:48:36	1044.60	65.64	460.21	65.26	65.62	0.00	8642.62
4/23 0:49:06	1045.01	65.65	450.44	65.27	65.65	0.00	8642.62
4/23 0:49:36	1045.53	65.66	445.94	65.28	65.67	0.00	8642.62
4/23 0:50:06	1046.05	65.67	452.76	65.29	65.70	0.00	8642.62
4/23 0:50:36	1046.55	65.68	436.25	65.30	65.72	0.00	8642.62
4/23 0:51:06	1047.03	65.69	440.50	65.31	65.74	0.00	8642.62
4/23 0:51:36	1047.59	65.69	468.23	65.32	65.76	0.00	8642.62
4/23 0:52:06	1048.02	65.69	462.47	65.33	65.77	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/23 0:52:36	1048.60	65.69	460.02	65.33	65.79	0.00	8642.62
4/23 0:53:06	1049.07	65.69	444.69	65.34	65.81	0.00	8642.62
4/23 0:53:36	1049.52	65.69	444.55	65.34	65.83	0.00	8642.62
4/23 0:54:06	1050.13	65.68	467.74	65.35	65.84	0.00	8642.62
4/23 0:54:36	1050.51	65.68	486.40	65.35	65.85	0.00	8642.62
4/23 0:55:06	1050.97	65.67	485.64	65.34	65.86	0.00	8642.62
4/23 0:55:36	1051.55	65.66	483.79	65.34	65.87	0.00	8642.62
4/23 0:56:06	1051.93	65.65	442.73	65.33	65.88	0.00	8642.62
4/23 0:56:36	1052.46	65.63	445.27	65.32	65.88	0.00	8642.62
4/23 0:57:06	1052.92	65.61	439.69	65.31	65.88	0.00	8642.62
4/23 0:57:36	1053.42	65.60	445.16	65.29	65.88	0.00	8642.62
4/23 0:58:06	1053.90	65.58	481.03	65.27	65.88	0.00	8642.62
4/23 0:58:36	1054.41	65.56	505.86	65.25	65.89	0.00	8642.62
4/23 0:59:06	1054.94	65.53	510.16	65.22	65.89	0.00	8642.62
4/23 0:59:36	1055.56	65.51	503.09	65.19	65.89	0.00	8642.62
4/23 1:00:06	1056.14	65.48	505.10	65.17	65.89	0.00	8642.62
4/23 1:00:36	1056.54	65.46	350.74	65.13	65.88	0.00	8642.62
4/23 1:01:06	1056.52	65.43	340.84	65.10	65.88	0.00	8642.62
4/23 1:01:36	1056.42	65.41	341.98	65.08	65.88	0.00	8642.62
4/23 1:02:06	1056.34	65.39	341.85	65.05	65.88	0.00	8642.62
4/23 1:02:36	1056.24	65.35	341.78	65.02	65.88	0.00	8642.62
4/23 1:03:06	1056.17	65.32	341.64	65.00	65.88	0.00	8642.62
4/23 1:03:36	1056.09	65.29	341.58	64.97	65.88	0.00	8642.62
4/23 1:04:06	1056.03	65.26	341.46	64.95	65.87	0.00	8642.62
4/23 1:04:36	1055.98	65.23	341.41	64.92	65.87	0.00	8642.62
4/23 1:05:06	1055.92	65.21	341.35	64.90	65.86	0.00	8642.62
4/23 1:05:36	1055.86	65.18	341.27	64.88	65.85	0.00	8642.62
4/23 1:06:06	1055.79	65.15	341.20	64.86	65.85	0.00	8642.62
4/23 1:06:36	1055.74	65.13	340.60	64.85	65.85	0.00	8642.62
4/23 1:07:06	1055.68	65.11	340.98	64.83	65.84	0.00	8642.62
4/23 1:07:36	1055.62	65.09	340.96	64.80	65.83	0.00	8642.62
4/23 1:08:06	1055.57	65.07	340.87	64.79	65.80	0.00	8642.62
4/23 1:08:36	1055.52	65.04	340.80	64.77	65.79	0.00	8642.62
4/23 1:09:06	1055.47	65.02	340.73	64.75	65.76	0.00	8642.62
4/23 1:09:36	1055.42	64.99	340.67	64.73	65.74	0.00	8642.62
4/23 1:10:06	1055.38	64.98	340.60	64.71	65.71	0.00	8642.62
4/23 1:10:36	1055.34	64.96	340.55	64.69	65.68	0.00	8642.62
4/23 1:11:06	1055.29	64.93	340.49	64.67	65.65	0.00	8642.62
4/23 1:11:36	1055.25	64.91	340.45	64.65	65.62	0.00	8642.62
4/23 1:12:06	1055.19	64.89	340.37	64.61	65.62	0.00	8642.62
4/23 1:12:36	1055.16	64.86	340.32	64.56	65.58	0.00	8642.62
4/23 1:13:06	1055.11	64.80	340.26	64.50	65.55	0.00	8642.62
4/23 1:13:36	1055.08	64.74	340.21	64.43	65.50	0.00	8642.62

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
4/23 1:14:06	1055.06	64.67	340.15	64.37	67.49	59.23	8649.25
4/23 1:14:36	1055.15	64.61	340.09	64.29	68.85	106.26	8657.30
4/23 1:15:06	1059.92	64.53	340.20	64.22	66.65	298.63	8788.85
4/23 1:15:36	1065.22	64.47	340.35	64.16	66.36	327.34	8944.56
4/23 1:16:06	1070.25	64.41	339.69	64.09	66.41	338.99	9112.19
4/23 1:16:36	1072.95	64.34	340.83	64.03	66.57	331.46	9277.10
4/23 1:17:06	1075.69	64.28	340.99	63.97	66.85	337.98	9444.89
4/23 1:17:36	1078.39	64.22	340.68	63.92	67.15	347.35	9616.82
4/23 1:18:06	1080.11	64.16	341.25	63.87	67.49	351.62	9790.19
4/23 1:18:36	1080.33	64.10	341.53	63.84	67.86	337.49	9958.71
4/23 1:19:06	1080.53	64.06	341.68	63.79	68.16	309.44	10117.99
4/23 1:19:36	1080.75	64.01	341.86	63.75	68.39	305.20	10271.40
4/23 1:20:06	1081.17	63.96	342.14	63.72	68.59	383.45	10455.43
4/23 1:20:36	1081.27	63.93	342.36	63.69	68.65	330.49	10626.39
4/23 1:21:06	1081.50	63.89	342.60	63.66	68.68	319.31	10787.95
4/23 1:21:36	1081.71	63.86	342.84	63.64	68.69	322.73	10947.49
4/23 1:22:06	1081.97	63.83	343.09	63.61	68.73	314.95	11106.93
4/23 1:22:36	1082.20	63.81	343.30	63.59	68.82	318.87	11265.66
4/23 1:23:06	1082.32	63.78	343.51	63.58	69.01	285.48	11417.18
4/23 1:23:36	1083.78	63.77	343.80	63.56	69.36	690.38	11609.57
4/23 1:24:06	1084.10	63.76	344.27	63.55	70.33	646.68	11933.97
4/23 1:24:36	1084.71	63.75	344.78	63.55	71.16	662.35	12261.63
4/23 1:25:06	1085.47	63.74	345.28	63.54	71.79	737.02	12616.52
4/23 1:25:36	1086.16	63.74	345.72	63.54	72.06	719.65	12977.96
4/23 1:26:06	1087.33	63.74	346.57	63.55	72.01	722.40	13339.34
4/23 1:26:36	1087.90	63.75	346.81	63.56	71.57	724.34	13700.42
4/23 1:27:06	1088.50	63.78	347.26	63.58	70.99	720.64	14060.58
4/23 1:27:36	1089.09	63.80	347.81	63.60	70.37	721.92	14420.02
4/23 1:28:06	1089.49	63.83	348.16	63.62	69.85	725.08	14782.36
4/23 1:28:36	1089.91	63.86	348.60	63.65	69.54	724.08	15143.95
4/23 1:29:06	1090.23	63.90	349.01	63.68	69.50	716.27	15502.86
4/23 1:29:36	1090.63	63.93	349.37	63.71	69.75	716.23	15862.01
4/23 1:30:06	1090.99	63.97	349.74	63.75	70.18	702.69	16217.36
4/23 1:30:36	1088.89	64.00	349.87	63.77	70.43	0.00	16400.15
4/23 1:31:06	1088.96	64.04	350.02	63.81	70.29	0.00	16400.15
4/23 1:31:36	1088.87	64.08	349.67	63.84	70.11	0.00	16400.15
4/23 1:32:06	1088.76	64.11	349.60	63.88	69.93	0.00	16400.15
4/23 1:32:36	1088.64	64.14	349.46	63.90	69.79	0.00	16400.15
4/23 1:33:06	1088.55	64.17	349.42	63.93	69.63	0.00	16400.15
4/23 1:33:36	1088.46	64.19	349.35	63.95	69.51	0.00	16400.15
4/23 1:34:06	1088.41	64.21	349.27	63.98	69.36	0.00	16400.15
4/23 1:34:36	1088.34	64.23	349.03	64.00	69.24	0.00	16400.15
4/23 1:35:06	1088.26	64.25	348.68	64.02	52.57	0.00	16400.15

Nitrogen Injection

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
4/23 1:35:36	1088.22	64.28	348.99	64.04	43.58	0.00	16400.15
4/23 1:36:06	1088.15	64.30	348.98	64.07	47.60	0.00	16400.15
4/23 1:36:36	1088.10	64.32	348.94	64.10	51.13	0.00	16400.15
4/23 1:37:06	1088.02	64.34	348.87	64.12	54.05	0.00	16400.15
4/23 1:37:36	1087.95	64.37	348.81	64.13	56.41	0.00	16400.15
4/23 1:38:06	1087.89	64.39	348.77	64.17	58.34	0.00	16402.72
4/23 1:38:36	1087.83	64.41	348.70	64.19	59.84	0.00	16402.72
4/23 1:39:06	1087.79	64.43	348.67	64.22	61.12	0.00	16402.72
4/23 1:39:36	1087.74	64.45	348.61	64.23	62.14	0.00	16402.72

BRINE INJECTION PRESSURE

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
4/23/08 11:50	1074.01	85.32	334.49	85.47
4/23/08 11:50	1074.01	85.32	334.49	85.45
4/23/08 11:50	1074.01	85.32	334.49	85.44
4/23/08 11:50	1074.01	85.32	334.48	85.43
4/23/08 11:51	1074.01	85.32	334.48	85.43
4/23/08 11:51	1074.01	85.34	334.47	85.42
4/23/08 11:51	1074.01	85.35	334.46	85.42
4/23/08 11:51	1074.11	85.36	405.43	85.42
4/23/08 11:52	1074.40	85.37	401.61	85.42
4/23/08 11:52	1074.70	85.40	398.53	85.43
4/23/08 11:52	1075.01	85.42	401.20	85.43
4/23/08 11:52	1075.38	85.45	409.93	85.44
4/23/08 11:53	1075.75	85.48	412.38	85.46
4/23/08 11:53	1076.12	85.52	414.03	85.48
4/23/08 11:53	1076.41	85.55	420.21	85.50
4/23/08 11:53	1076.80	85.60	421.74	85.54
4/23/08 11:54	1077.11	85.64	421.10	85.55
4/23/08 11:54	1077.48	85.69	425.75	85.59
4/23/08 11:54	1077.86	85.74	435.06	85.62
4/23/08 11:54	1078.24	85.79	440.33	85.66
4/23/08 11:55	1078.62	85.84	441.86	85.68
4/23/08 11:55	1079.01	85.88	443.67	85.70
4/23/08 11:55	1079.37	85.92	443.31	85.74
4/23/08 11:55	1079.80	85.95	442.77	85.77
4/23/08 11:56	1080.15	86.00	449.14	85.79
4/23/08 11:56	1080.53	86.03	452.76	85.83
4/23/08 11:56	1080.93	86.07	452.93	85.85
4/23/08 11:56	1081.33	86.11	453.67	85.88
4/23/08 11:57	1081.73	86.14	461.62	85.90
4/23/08 11:57	1082.15	86.18	466.16	85.93
4/23/08 11:57	1082.53	86.21	475.85	85.96
4/23/08 11:57	1082.94	86.25	477.19	85.99
4/23/08 11:58	1083.34	86.28	481.11	86.02
4/23/08 11:58	1083.79	86.32	489.88	86.05
4/23/08 11:58	1084.19	86.35	492.38	86.08
4/23/08 11:58	1084.63	86.39	493.59	86.10
4/23/08 11:59	1085.01	86.42	495.20	86.13

BRINE INJECTION PRESSURE

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
4/23/08 11:59	1085.52	86.46	503.71	86.16
4/23/08 11:59	1085.95	86.47	507.37	86.18
4/23/08 11:59	1086.40	86.50	508.49	86.20
4/23/08 12:00	1086.82	86.52	508.64	86.21
4/23/08 12:00	1087.30	86.53	511.34	86.23
4/23/08 12:00	1087.70	86.54	512.91	86.24
4/23/08 12:00	1088.15	86.55	511.08	86.25
4/23/08 12:01	1088.58	86.55	512.04	86.26
4/23/08 12:01	1089.06	86.56	513.36	86.26
4/23/08 12:01	1089.46	86.56	514.99	86.27
4/23/08 12:01	1089.93	86.57	513.46	86.27
4/23/08 12:02	1090.36	86.57	513.14	86.27
4/23/08 12:02	1090.83	86.57	514.74	86.28
4/23/08 12:02	1091.24	86.57	513.53	86.28
4/23/08 12:02	1091.71	86.56	513.83	86.28
4/23/08 12:03	1092.11	86.56	514.30	86.28
4/23/08 12:03	1092.57	86.56	515.70	86.28
4/23/08 12:03	1092.99	86.56	516.27	86.28
4/23/08 12:03	1093.40	86.57	516.77	86.28
4/23/08 12:04	1093.82	86.57	515.88	86.29
4/23/08 12:04	1094.25	86.58	520.42	86.29
4/23/08 12:04	1094.68	86.61	523.80	86.31
4/23/08 12:04	1095.15	86.63	523.12	86.32
4/23/08 12:05	1095.50	86.65	528.51	86.34
4/23/08 12:05	1095.98	86.68	528.01	86.36
4/23/08 12:05	1096.38	86.70	528.38	86.38
4/23/08 12:05	1096.81	86.73	530.76	86.40
4/23/08 12:06	1097.19	86.76	532.22	86.42
4/23/08 12:06	1097.63	86.79	536.64	86.44
4/23/08 12:06	1098.01	86.81	544.32	86.47
4/23/08 12:06	1098.50	86.86	547.04	86.50
4/23/08 12:07	1098.89	86.87	552.63	86.52
4/23/08 12:07	1099.35	86.90	573.60	86.54
4/23/08 12:07	1099.75	86.93	576.02	86.57
4/23/08 12:07	1100.20	86.96	578.66	86.59
4/23/08 12:08	1100.58	86.98	586.61	86.62
4/23/08 12:08	1100.70	87.01	454.62	86.63

BRINE INJECTION PRESSURE

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
4/23/08 12:08	1100.63	87.02	452.41	86.64
4/23/08 12:08	1100.55	87.03	451.44	86.65
4/23/08 12:09	1100.50	87.05	452.95	86.68
4/23/08 12:09	1100.42	87.06	452.80	86.68
4/23/08 12:09	1100.38	87.07	452.18	86.70
4/23/08 12:09	1100.34	87.09	452.27	86.72
4/23/08 12:10	1100.28	87.10	452.29	86.73

TEST PRESSURE

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
4/24/08 10:13	1085.99	68.62	435.18	68.42
4/24/08 10:28	1085.78	74.29	436.82	73.70
4/24/08 10:43	1085.72	78.28	433.81	77.31
4/24/08 10:58	1085.70	78.18	433.78	77.90
4/24/08 11:13	1085.71	78.39	433.66	78.66
4/24/08 11:28	1085.59	83.16	433.57	82.89
4/24/08 11:43	1085.49	86.94	433.48	86.26
4/24/08 11:58	1085.47	89.87	433.40	89.31
4/24/08 12:13	1085.40	91.44	433.35	90.90
4/24/08 12:28	1085.34	92.42	433.29	91.88
4/24/08 12:43	1085.30	93.53	433.24	93.00
4/24/08 12:58	1085.18	94.49	433.13	94.03
4/24/08 13:13	1085.10	97.08	433.06	96.68
4/24/08 13:28	1085.02	99.31	432.94	98.92
4/24/08 13:43	1084.94	100.16	432.88	99.81
4/24/08 13:58	1084.91	98.17	432.84	97.94
4/24/08 14:13	1084.85	98.23	432.76	97.97
4/24/08 14:28	1084.75	97.69	432.65	97.57
4/24/08 14:43	1084.67	97.28	432.59	97.12
4/24/08 14:58	1084.62	96.20	432.53	96.09
4/24/08 15:13	1084.58	96.15	432.44	96.11
4/24/08 15:28	1084.46	95.40	432.37	95.39
4/24/08 15:43	1084.43	94.93	432.28	95.00
4/24/08 15:58	1084.33	94.80	432.20	94.94
4/24/08 16:13	1084.26	94.61	432.11	94.89
4/24/08 16:28	1084.18	94.40	432.02	94.69
4/24/08 16:43	1084.08	94.21	431.93	94.56
4/24/08 16:58	1084.05	93.91	431.83	94.28
4/24/08 17:13	1083.97	94.06	431.82	94.42
4/24/08 17:28	1083.88	93.87	431.72	94.20
4/24/08 17:43	1083.83	93.38	431.63	93.72
4/24/08 17:58	1083.72	93.05	431.56	93.40
4/24/08 18:13	1083.68	92.49	431.48	92.82
4/24/08 18:28	1083.59	92.17	431.39	92.54
4/24/08 18:43	1083.51	91.61	431.32	91.98
4/24/08 18:58	1083.45	90.93	431.25	91.34
4/24/08 19:13	1083.38	90.03	431.18	90.45
4/24/08 19:28	1083.32	89.27	431.11	89.61
4/24/08 19:43	1083.26	88.57	431.02	88.90
4/24/08 19:58	1083.17	87.13	430.97	87.39
4/24/08 20:13	1083.10	85.52	430.92	85.74

TEST PRESSURE

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
4/24/08 20:28	1083.05	83.22	430.87	83.35
4/24/08 20:43	1082.98	81.57	430.80	81.66
4/24/08 20:58	1082.89	79.55	430.73	79.63
4/24/08 21:13	1082.83	78.87	430.62	78.90
4/24/08 21:28	1082.71	77.45	430.56	77.52
4/24/08 21:43	1082.69	75.59	430.49	75.68
4/24/08 21:58	1082.57	74.92	430.39	74.95
4/24/08 22:13	1082.51	74.15	430.34	74.19
4/24/08 22:28	1082.48	72.23	430.25	72.30
4/24/08 22:43	1082.42	70.35	430.21	70.39
4/24/08 22:58	1082.35	70.14	430.14	70.12
4/24/08 23:13	1082.26	70.22	430.03	70.22
4/24/08 23:28	1082.19	69.67	429.95	69.67
4/24/08 23:43	1082.12	68.91	429.90	68.93
4/24/08 23:58	1082.07	67.27	429.82	67.31
4/25/08 0:13	1082.00	66.05	429.77	66.07
4/25/08 0:28	1081.97	66.45	429.68	66.37
4/25/08 0:43	1081.89	66.59	429.61	66.51
4/25/08 0:58	1081.81	66.50	429.53	66.46
4/25/08 1:13	1081.73	66.36	429.49	66.31
4/25/08 1:28	1081.69	66.54	429.42	66.49
4/25/08 1:43	1081.63	68.56	429.31	68.47
4/25/08 1:58	1081.51	68.29	429.24	68.28
4/25/08 2:13	1081.49	67.13	429.22	67.15
4/25/08 2:28	1081.43	65.72	429.17	65.74
4/25/08 2:43	1081.43	63.65	429.12	63.70
4/25/08 2:58	1081.33	61.42	429.04	61.47
4/25/08 3:13	1081.26	60.22	428.96	60.24
4/25/08 3:28	1081.18	59.70	428.85	59.68
4/25/08 3:43	1081.13	59.16	428.80	59.12
4/25/08 3:58	1081.08	58.28	428.71	58.26
4/25/08 4:13	1081.02	58.17	428.64	58.15
4/25/08 4:28	1080.94	56.79	428.58	56.78
4/25/08 4:43	1080.87	56.01	428.52	56.00
4/25/08 4:58	1080.80	55.86	428.42	55.87
4/25/08 5:13	1080.75	55.35	428.37	55.33
4/25/08 5:28	1080.72	53.22	428.37	53.23
4/25/08 5:43	1080.65	51.67	428.29	51.69
4/25/08 5:58	1080.60	50.71	428.21	50.67
4/25/08 6:13	1080.54	50.69	428.12	50.58
4/25/08 6:28	1080.49	49.75	428.11	49.68

TEST PRESSURE

Well Name:	Well No. 1
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35954
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
4/25/08 6:43	1080.46	49.93	428.08	49.83
4/25/08 6:58	1080.35	49.59	427.99	49.52
4/25/08 7:13	1080.33	48.93	427.94	48.90
4/25/08 7:28	1080.26	48.14	427.87	48.09
4/25/08 7:43	1080.25	48.07	427.84	47.92
4/25/08 7:58	1080.12	50.65	427.75	50.30
4/25/08 8:13	1080.03	53.40	427.68	53.06
4/25/08 8:28	1079.98	57.20	427.62	56.82
4/25/08 8:43	1079.83	61.49	426.24	61.02
4/25/08 8:58	1079.85	64.76	426.19	64.36
4/25/08 9:13	1079.82	66.51	426.22	66.19
4/25/08 9:28	1079.79	66.07	426.06	66.07
4/25/08 9:43	1079.81	65.41	426.67	65.33
4/25/08 9:58	1079.78	65.33	426.71	65.31
4/25/08 10:13	1079.75	65.91	426.79	65.82
4/25/08 10:28	1079.63	68.56	426.80	68.22
4/25/08 10:43	1079.60	69.63	426.75	69.00
4/25/08 10:58	1079.56	69.03	427.38	68.92

Appendix D – Well Logs



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MECHANICAL INTEGRITY TEST REPORT
Western Refining Company, LP
Well No. 2
API No. 30-025-35955
Jal, New Mexico, USA

Prepared for:

Western Refining Company, LP
Jal, New Mexico, USA

by:

Lonquist Field Service, LLC
Austin, Texas

April 2008

Executive Summary

Lonquist Field Service, LLC. (LFS) was contracted to conduct a Mechanical Integrity Test on Well No. 2 for Western Refining Company, LP (Western Refining) from March 10-14, 2008. A nitrogen-interface test method was used for this test. Nitrogen was injected into Well No. 2 on March 10th, 2008 and there was a stabilization period until March 11, 2008. The well was then shut in for a period of 77.5 hours to conduct the actual test and concluded on March 14th, 2008. After observing the change in the nitrogen interface depth the total volume change was calculated. Using an average temperature and pressure across the effected well depth and by extrapolating the time an annual net loss could be calculated. This calculation yielded a loss of 107.50 bbls of nitrogen per year and a Minimum Detectable Leak Rate (MDLR) 843.00 bbls/year. The well was tested to a test gradient of 0.77 psi/ft at the 7" casing shoe. Considering these results and the guidelines set forth by the New Mexico Oil Conservation Division, Well No. 2, at the time of this test, demonstrated the mechanical integrity required for LPG storage.

Western Refining Company, Well No 2 - MIT Report

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Introduction

Lonquist Field Service, LLC (LFS) was contracted to conduct a mechanical integrity test (MIT) for Well No. 2 located at the Jal Station, Jal New Mexico. LFS prepared a MIT procedure according to guidelines set forth by the OCD.

Well No. 2 was tested using the Nitrogen-Brine Interface Test Method (See Appendix A). This procedure begins with an initial injection of nitrogen into the well to check for wellhead and casing leaks. The initial injection is followed by continued injection of nitrogen into the storage well until the interface is located below the casing shoe and a sufficient test pressure has been reached. The interface depth and both the nitrogen (annulus) and brine (tubing) pressure are monitored during the test period. The test is evaluated by calculating the nitrogen mass (volume) at the commencement and completion of the test period. This difference yields an apparent mass (volume) change. As the test occurs over a finite time period, the apparent mass (volume) rate can be calculated and linearly forecasted to an annual rate. The annual mass (volume) rate is usually expressed in barrels of nitrogen per year (at average well pressure and temperature conditions). The mass (volume) rate of change is subject to the accuracy of the test or Minimum Detectable Leak Rate (MDLR), also expressed in barrels per year.

The following report will outline the Nitrogen-Brine Interface Test for Well No. 2. The report includes the cavern and wellbore configuration, pressure trends, temperature logs, and density logs completed during the test.

Western Refining Company, Well No 2 - MIT Report

Summary

On March 10th, 2008 nitrogen was injected into Well No. 2 at a rate of 500 SCFM with a target temperature of 65° F. Nitrogen was injected until it reached a depth of 1670' and the well was then shut in for a period of time. The pressure on the tubing and annulus were monitored during this period of time along with the interface depth. No appreciable leaks in the well casing and wellhead components were identified during this time period.

Nitrogen injection resumed until the nitrogen – brine interface was determined (through density logging) to be below the casing shoe depth of 1672'. The nitrogen – brine interface was established at a depth of 1674.3' with a nitrogen (annulus) pressure of 1215.3 psig at surface. The brine (tubing) pressure at surface was observed to be 416.75 psig.

After a stabilization period of approximately 14 hours the well was re-logged to determine the interface depth that would be used for the test calculations. At the beginning of the observation period on March 11, 2008 at 10:23 hrs, the nitrogen - brine interface was logged at 1674.3' (2.3' below casing shoe). The nitrogen (annulus) pressure was 1208.21 psig and the brine (tubing) pressure was 409.49 psig.

The well was shut in for the duration of the test (approximately 77.5 hours) which concluded on March 14, 2008 at 16:05 hrs. A density log was again completed to determine the depth of the nitrogen – brine interface. The interface was measured at a depth of 1674.3'. The nitrogen (annulus) pressure was 1201.19 psig and the brine (tubing) pressure was 401.80 psig. The net change in the nitrogen (annulus) pressure was 7.02 psig and the net change in the brine (tubing) pressure was 7.69 psig. There was no movement in the interface depth.

Western Refining Company, Well No 2 - MIT Report

Conclusions

The mechanical integrity of Well No. 2 was established with a Nitrogen-Brine Interface Test Method. Well No. 2 was initialized with an annulus pressure of 1208.21 psig and tubing pressure of 409.49 psig with the nitrogen-product interface at 1674.3'. Well No. 2 was finalized with an annulus pressure of 1201.19 psig and a tubing pressure of 401.80 psig with the nitrogen-brine interface at 1674.3'.

Well No. 2 had a test length of 77.5 hours and a test gradient of 0.77 psi/ft at the 7" casing shoe.

The calculated nitrogen leak rate was 107.50 bbls per year which is less than the Minimum Detectable Leak Rate (MDLR) of 843.00 bbls per year.

At the completion of this test, Well No. 2 exhibited the characteristics of a well that has mechanical integrity as required for the storage of liquid petroleum products in accordance with the New Mexico Oil Conservation Division guidelines.

Daily Activities

March 10th, 2008

The wireline unit was rigged up on Well No. 2 at 08:00 hrs to perform initial temperature and density logs. This trip was also used to set a reference point for the depth of the casing shoe. Nitrogen was rigged up and injection started at 12:42 hrs until a depth of 1670' was reached. The well was then shut in to perform the initial inspection of the casing and wellhead components. Nitrogen injection resumed at 15:47 hrs and was injected until a depth of 1674.3' was reached at this time the pressure on the annulus was 1215.3 psig and 416.75 psig on the tubing string. The well was shut in and allowed to stabilize for approximately 14hrs.

March 11th, 2008

At 08:30 hrs the wireline unit was rigged up and the temperature and density logs were ran to initialize the test. At 10:23 hrs the density log showed the interface to be at a depth of 1674.3' with a surface nitrogen pressure of 1208.21 psig and a surface tubing pressure at 409.49 psig. The well was shut in and the test period commenced.

March 12th, 2008

The well was electronically monitored and the test period continued.

March 13th, 2008

The well was electronically monitored and the test period continued.

March 14th, 2008

At 16:05 hrs the surface brine pressure was 401.80 psig and the surface nitrogen pressure was 1201.19 psig. A density log was completed and the nitrogen-brine interface was recorded at 1674.3'. This concluded the test.

Western Refining Company, Well No 2 - MIT Report

Test Participants

Western Refining Company, LP

Ken Parker.....Owners Representative

Lonquist Field Service, LLC

Tadd Busch.....Lonquist Field Service

Cav-Tech Inc.

Joe Crain.....Wireline Operator

Badger Pressure Control

Badger.....Nitrogen Injection

Western Refining Company, Well No 2 - MIT Report

Calculations

Minimum Detectable Leak Rate – MDLR

The test sensitivity is defined at the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	843.00 bbls/year
B _v	=	74.60 bbls/ft (average based on sonar survey)
L _R	=	0.10 feet
T _c	=	365 days/year
T _L	=	3.23 days

Therefore: (74.60 x 0.1 x 365)/3.23 = **843.00 bbls/year**

Western Refining Company, Well No 2 - MIT Report

Volume Calculations – Borehole below 7" Cemented Casing

Using the methodology outlined in the MIT procedure the following volumes were calculated:

Initial Wellbore Volume (V_I)

- Annulus Pressure – 1208.21 psig
- Tubing Pressure – 409.94 psig
- Wellbore Temperature – Logged (APPENDIX D)
- Volume
 - 5" X 2 7/8" Annulus – 0.016 bbls/ft (0.090 ft³/ft)
 - 7" x 2 7/8" Annulus – 0.032 bbls/ft (0.180 ft³/ft)
 - Borehole – 74.60 bbls/ft (418.85 ft³/ft)

$$(V_I) = \sum_o^{I/F} (N_2)_i$$

$$V_I = 103,361.58 \text{ SCF}$$

Final Wellbore Volume (V_F)

- Annulus Pressure – 1201.19 psig
- Tubing Pressure – 401.80 psig
- Wellbore Temperature – Logged (APPENDIX D)
- Volume
 - 5" X 2 7/8" Annulus – 0.016 bbls/ft (0.090 ft³/ft)
 - 7" x 2 7/8" Annulus – 0.032 bbls/ft (0.180 ft³/ft)
 - Borehole – 74.60 bbls/ft (418.85 ft³/ft)

$$(V_F) = \sum_o^{I/F} (N_2)_i$$

$$V_F = 102,906.16 \text{ SCF}$$

Borehole Volume Change:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

$$(\Delta V)_{STP} = (455.42) \text{ SCF}$$

Western Refining Company, Well No 2 - MIT Report

Volume Change:

$$(\Delta V)_{STP} = -455.42 SCF$$

Using the methodology outlined in APPENDIX A:

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB})	=	5.34 ft³
(Z_A)	=	1.0004
(T_A)	=	530.16°R
R	=	Specific Gas Constant
$(\Delta V)_{STP}$	=	455.42 SCF
(P_A)	=	1255.66 psi
N_{GC}	=	Nitrogen Gas Conversion (13.8 SCF = 1 lb)

To calculate an annual volume change to compare to the MDLR the following calculations were completed:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(hr / day) * 365(day / yr)]}{T_L}$$

Where:

(ΔV_{ANNUAL})	=	603.59 ft³/year
(ΔV_{WB})	=	5.34 ft ³
(T_L)	=	77.5 hours

This is a total of **107.50 bbls/year**.

$$(bbls/year) = (\Delta V_{ANNUAL}) / 5.6146 ft^3$$

Where:

(ΔV_{ANNUAL})	=	603.59 ft³
1 bbl	=	5.6146 ft ³

Western Refining Company – Well No 2

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 2 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_l) - \left(V_l * \frac{P_F}{P_S} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr	=	0.0138 BBLs/Hr
P_l	=	1208.21 psi
P_F	=	1201.19 psi
V_l	=	183.88 BBLs (Sonar Volume)
T_L	=	77.5 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0138 < 0.11$$

Well No. 2 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Company, Well No 2 - MIT Report

Well Data Sheet

TEST PLANNING SHEET

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
Parish:	Lea
Field:	Jal Station
Serial Number:	30-025-35955
UIC Number	0

WELL INFORMATION

Cemented Casing			Casing Liner		
Casing Size	7	inches	Casing Size	5 1/2	inches
Casing ID	6.456	inches	Casing ID	4.95	inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1672	feet	Depth	1624	feet

Hanging String No. 1			Hanging String No. 2		
Casing Size	2 7/8	inches	Casing Size		inches
Casing ID	2.441	inches	Casing ID		inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1980	feet	Depth		feet

Cavern

Cavern Size	144,000	bbls
Compressibility	0.44	bbls/psi
Cavern TD	2050	feet

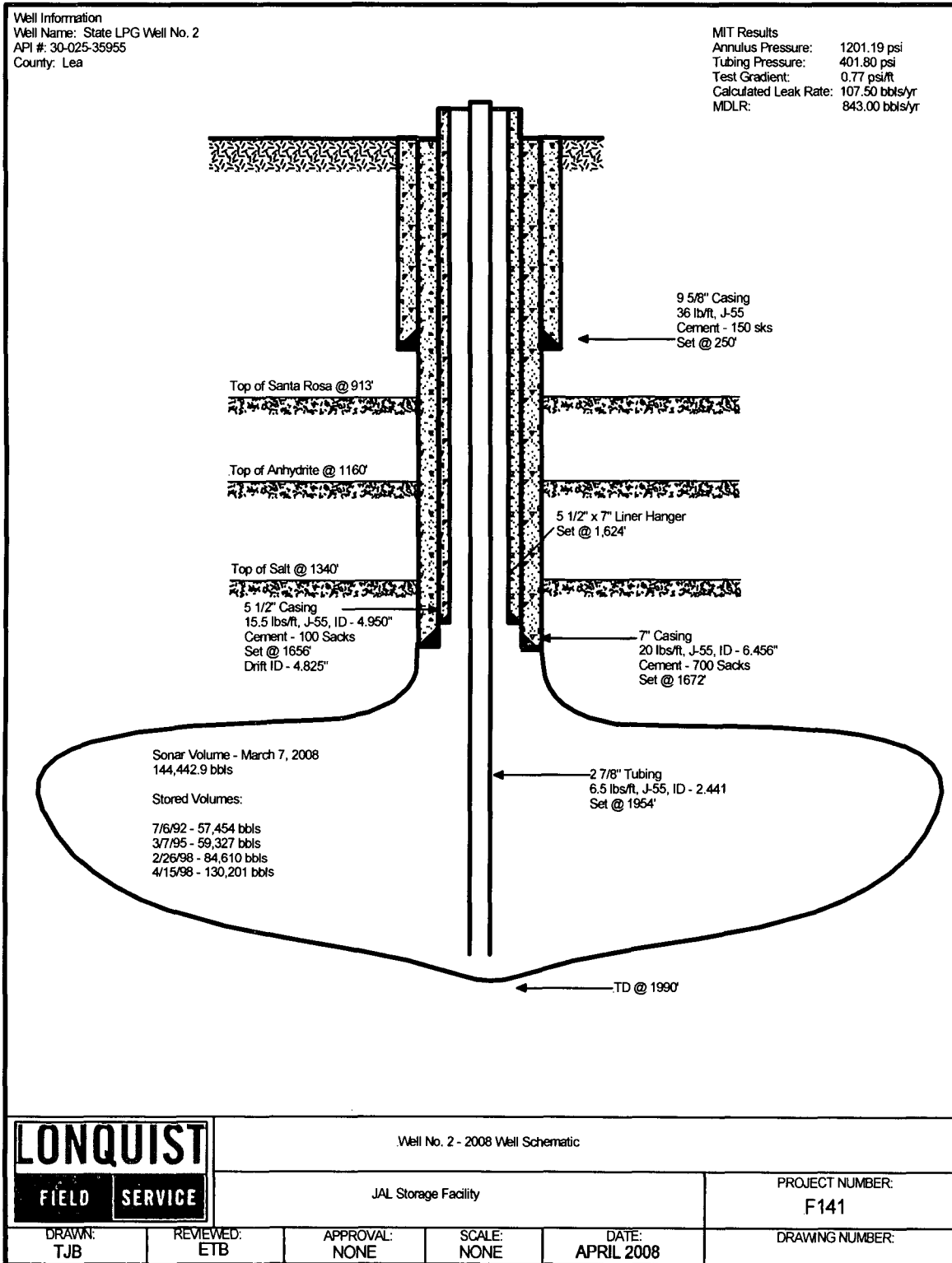
TEST INFORMATION

Effective Casing Shoe	1672	feet	Casing Shoe Pressure	1287.44	psi
Test Gradient	0.77	psi/ft	Interface Pressure	1287.53	psi
Brine Specific Gravity	1.2		Surface Tubing Pressure	417.72	psi
Nitrogen Temperature	65	deg F	Surface Annulus Pressure	1216.38	psi
Interface Depth	1674	feet	Pressure Increase	419.77	psi
Gas Compressibility	1.0002		Conversion	14.70	psi

Volume			Nitrogen		
Annular Volume No. 1	0.016	bbls/ft	Surface to Casing Shoe	13103.43	SCF
Annular Volume No. 2	0.032	bbls/ft	Casing Shoe to Interface	77363.65	SCF
Surface to Liner Shoe	25.62	bbls	Total	90467.07	SCF
Surface to Casing Shoe	1.558	bbls	Brine		
Casing Shoe to Interface	156	bbls	Cavern Pre-Pressure	-2.05	psi
Total	183.17	bbls	Brine Injection	-0.90	bbls

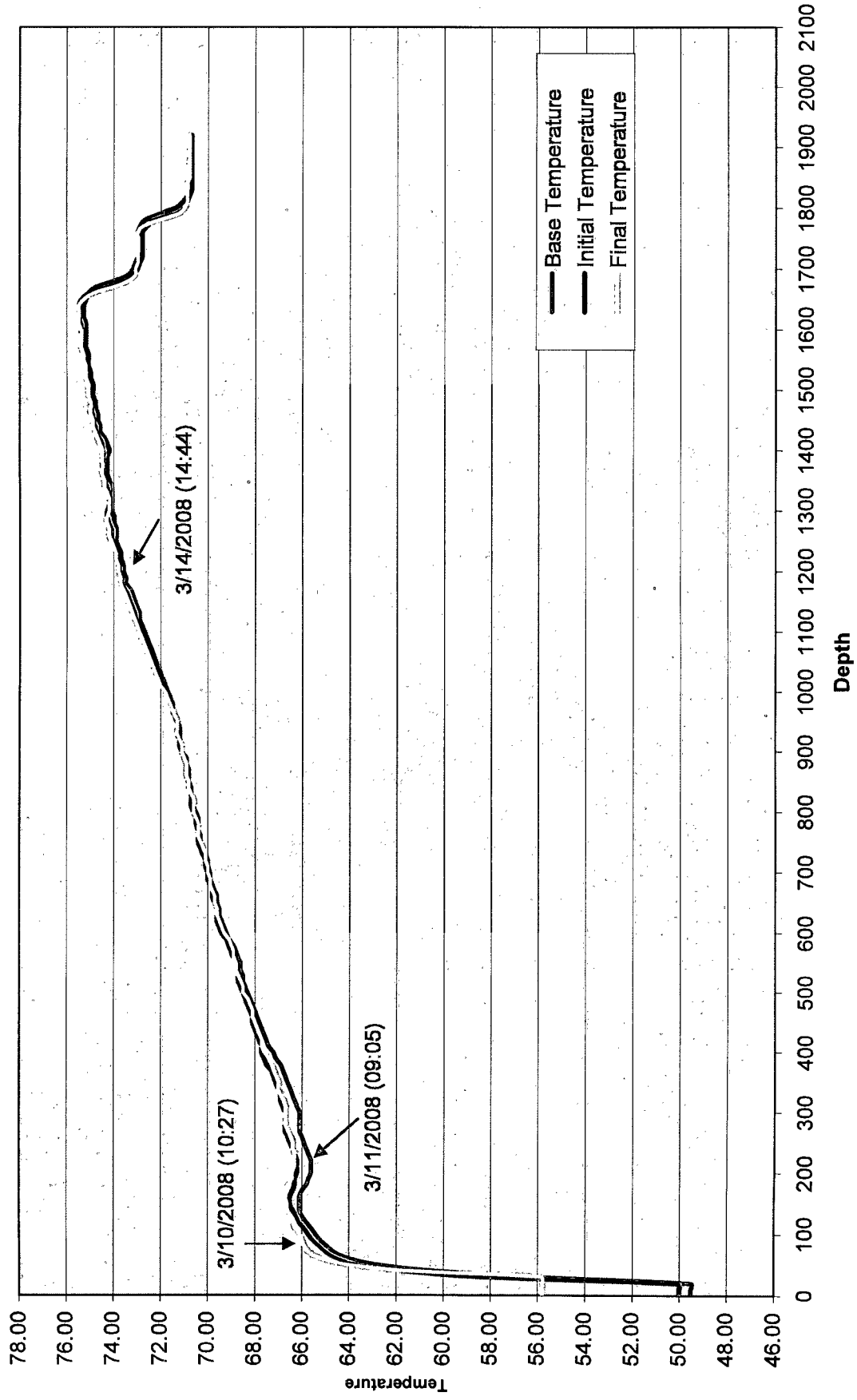
Western Refining Company, Well No 2 - MIT Report

MIT/Well Schematic

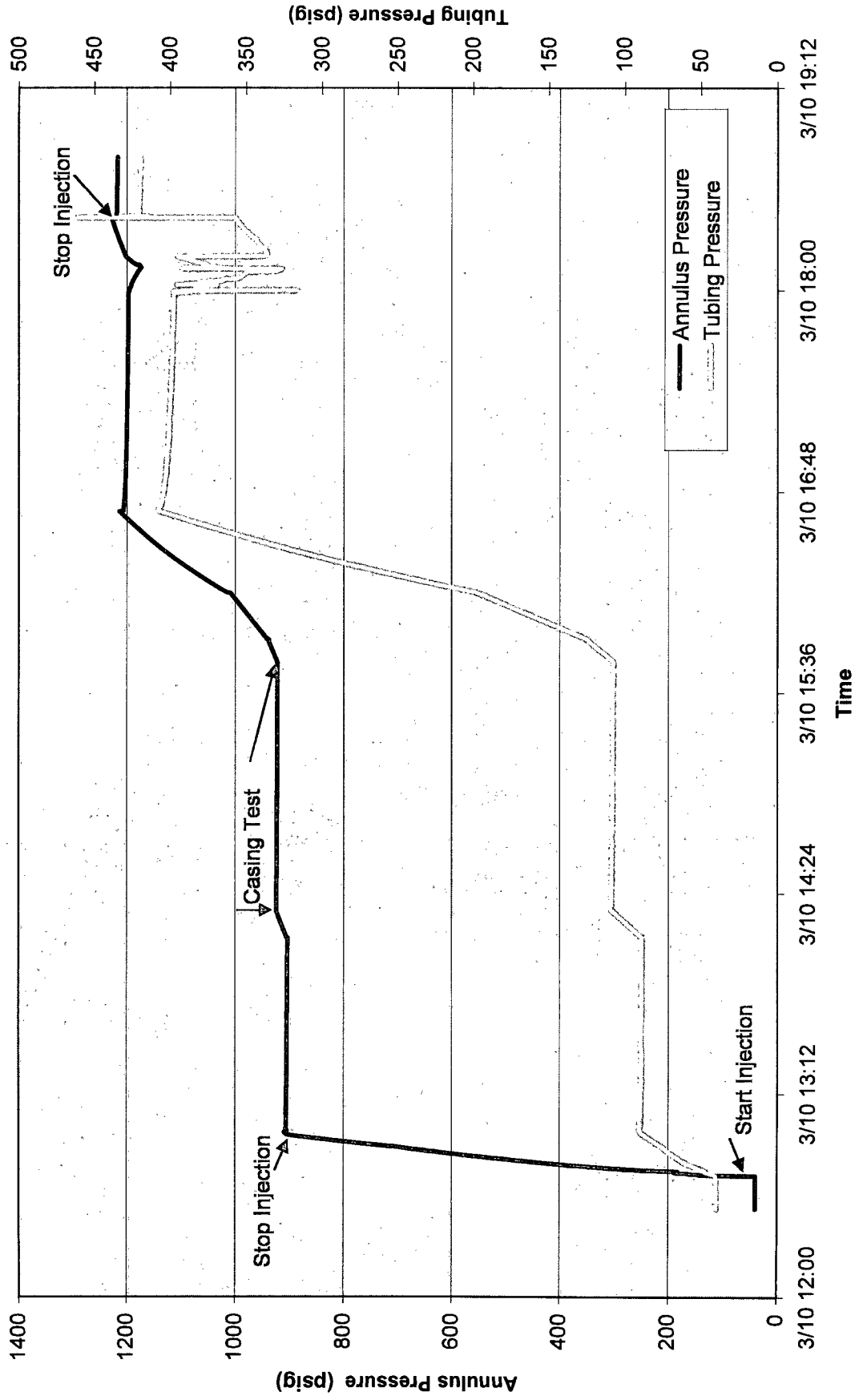


Pressure and Temperature Graphs

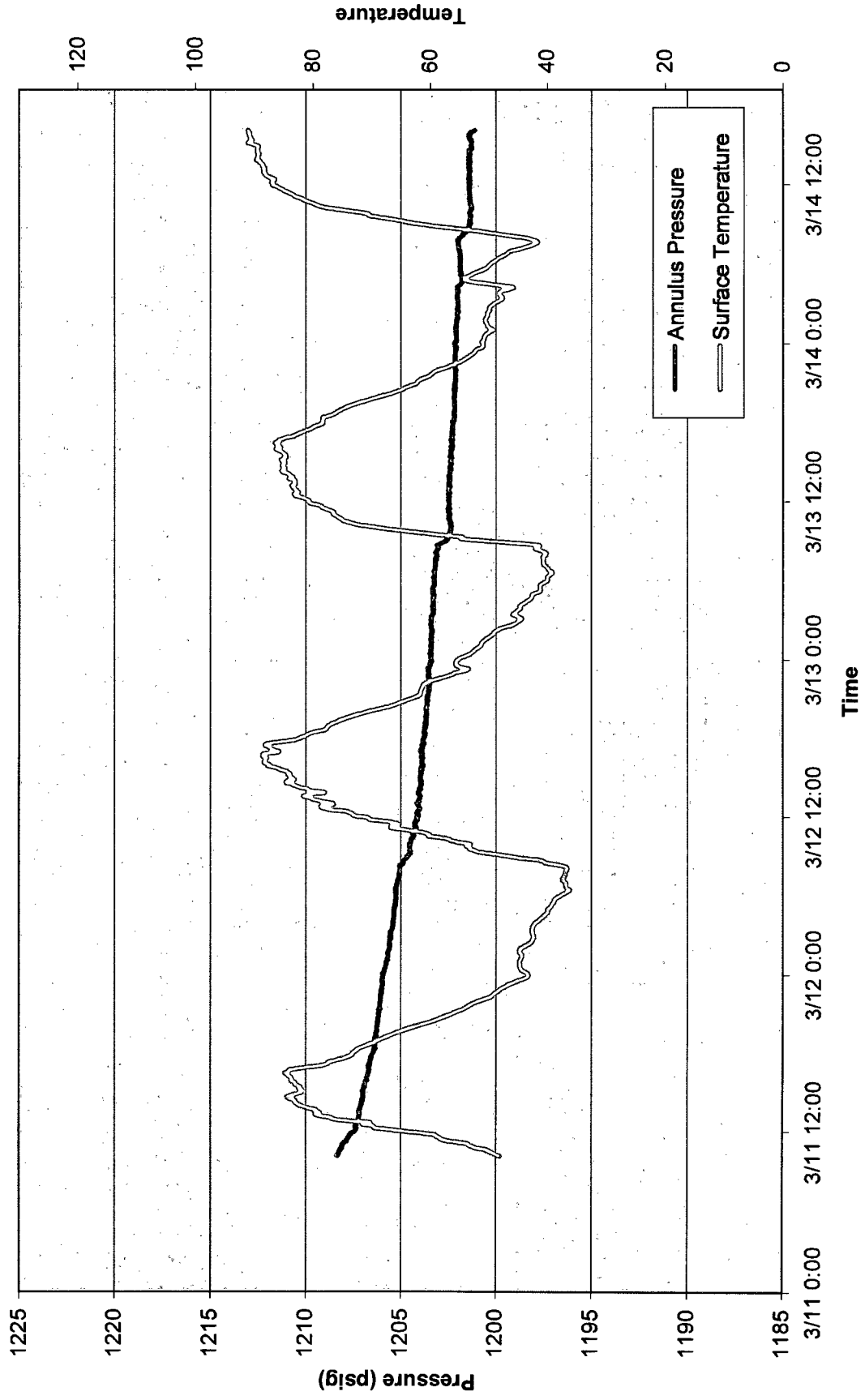
Well No. 2 - MIT
Wellbore Temperature



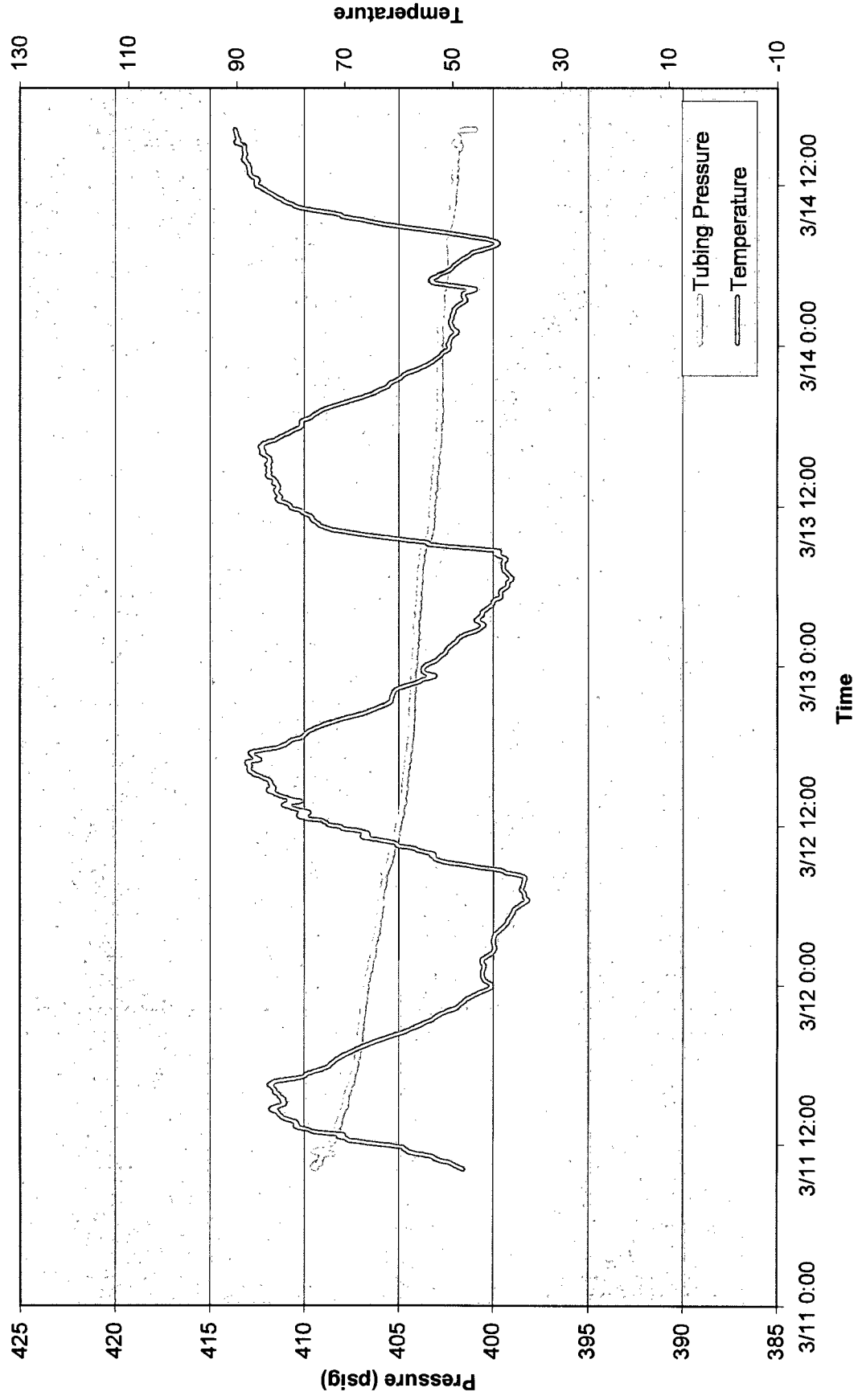
Well No. 2 - MIT
INJECTION PRESSURES



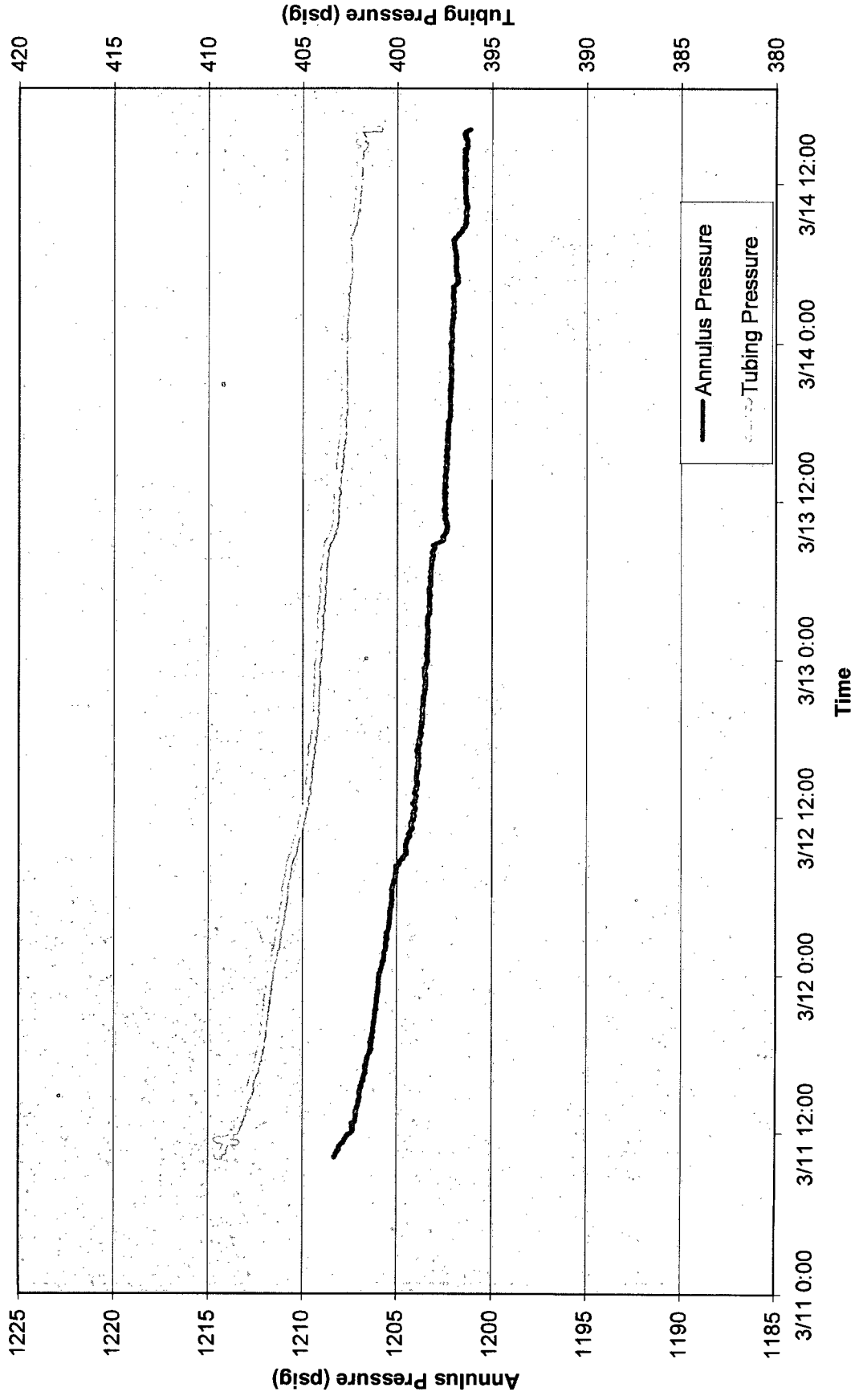
Well No. 2 - MIT
ANNULUS TEST PRESSURE



Well No. 2 - MIT
TUBING TEST PRESSURE



Well No. 2 - MIT
ANNULUS VS TUBING PRESSURES



Appendix A – MIT Test Procedure

LONQUIST

FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Project No.: F141

Date: August 2007

Page: 1 of 10

Well: No. 2

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35955

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

INTRODUCTION

The purpose of the Mechanical Integrity Test (MIT) procedure is to test the integrity of the underground storage system that includes the cavern, cemented casing, and wellhead to determine if the system is suitable for the storage of hydrocarbons.

In accordance with the Oil Conservation Divisions of New Mexico Well No 2 is undergoing an MIT following the recently completed workover before the well can be placed back into service. The recent workover on Well No 2 involved pulling and replacing the old tubing and replacing it with 2 7/8" tubing.

The test procedure will consist of the following basic steps:

1. Pre-pressure the cavern with brine to a specific test pressure.
2. Complete pre-test density and temperature logs.
3. Inject nitrogen into Well No. 2 and monitor interface location to place in the cemented casing to complete a preliminary test on the cemented casing.
4. Inject nitrogen into Well No. 2 and monitor interface location to place interface below the cemented casing shoe.
5. Monitor wellhead pressures, wellbore temperature, and interface location during the specified test period.
6. Complete and submit MIT report to Western Refining Company, LP and the Oil Conservation Division of New Mexico.
7. Place Well No. 2 in operations

The test procedure includes the following information:

- Nitrogen/Brine Interface Test Planning Sheet
- Test Schematic
- Contact Information

PREPARED BY

DATE

APPROVED BY

DATE

CLIENT
APPROVAL

DATE

Client Signature

TJB

3/1/2008

ETB

3/1/2008

LONQUIST

FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Project No.: F141

Date: August 2007

Page: 2 of 10

Well: No. 2

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35955

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

Well Preparation

1. Wellhead should be isolated from all surface piping during the test. This may include blind flanges, skillet flanges, and 1" or 2" test flanges.
 - a. Wellhead should keep the ability to bleed excess brine pressure back into surface system during the test.
2. Install pressure recording equipment on wellhead. Pressure equipment should be able to record wellhead pressures and wellhead temperatures during the test period. Additional equipment to measure the nitrogen stream injected into the well will be necessary.
 - a. All equipment calibration certifications to be provided with final reports.
3. Wellhead configuration should permit the use of a wireline lubricator and logging tools.
4. Pre-pressure the cavern to predetermined pressure with saturated brine
 - a. See MIT Data Sheet
5. Wellhead pressure should be stable prior to starting the test.
 - a. Stable wellhead pressure – Decline less than 10 psi/day

Well Injection Phase

6. Move in and rig up wireline unit, logging tools, pressure equipment, and nitrogen supplier.
7. Complete base density log and wellbore temperature log
 - a. Base Temperature Log – (0' – TD)
 - b. Base Density Log – (TD' – 0')
 - c. Density logs should include: tubing collars, production casing shoe, and approved logging scales.
 - d. All depths are approximate
8. Start Nitrogen Injection at a slow rate (<500 SCFM). Nitrogen temperature should be regulated to the average wellbore temperature.
9. Monitor the nitrogen/brine interface and wellbore pressures to locate the interface above the casing shoe and conduct a preliminary casing test.
 - a. Casing Test – Minimum of 30 minutes
 - b. Monitor and record wellhead pressures and interface at the start and completion of the test
10. Monitor the nitrogen/brine interface and wellbore pressures to locate the nitrogen/brine interface below the cemented casing shoe and not exceed a test pressure gradient of 0.80 psi/ft at the cemented casing shoe.
11. After nitrogen/brine interface is located sufficiently below the cemented casing shoe stop nitrogen injection and shut well in for a short stabilization period.
12. Shut in for 30 minutes – Monitor pressures, interface location, and check wellhead for possible leak paths.
13. Complete post injection density logs

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

LONQUIST**FIELD SERVICE****WELL TEST**

Project No.: F141

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Date: August 2007

Page: 3 of 10

Well: No. 2

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35955

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

- a. Post Injection Density Log – (TD' – 1550').
- b. Record wellhead pressures.
- c. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- d. All depths are approximate

14. Remove logging tools and shut well for the stabilization period.

15. Complete test calculations based on wellhead pressure measurements, nitrogen volume measurements, wellbore temperatures, and interface locations.

- a. Refer to Test Calculations Section

Test Initialization

16. Move in and rig up wireline unit, logging tools, and pressure equipment.

17. Complete initial density log and wellbore temperature log

- a. Base Temperature Log – (0' – TD')
- b. Initial Density Log – (TD' – 1550')
- c. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- d. All depths are approximate

18. Shut well in for test period – Minimum of 24 hours

Test Finalization

19. After planned test duration, move in and rig up wireline unit, logging tools, and pressure equipment.

- a. Complete final density log and wellbore temperature log
- b. Final Temperature Log – (0' – TD')
- c. Final Density Log – (TD' – 1550')
- d. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- e. All depths are approximate

20. Determine if the test is complete based on results or if the test should be extended. Repeat Steps 15 - 17 if required.

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

LONQUIST**FIELD SERVICE****WELL TEST****Western Refining Company, LP
Well No. 2
Mechanical Integrity Test****Project No.: F141****Date: August 2007****Page: 4 of 10****Well: No. 2****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35955****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well****Nitrogen/Brine Interface Test Calculations**

The test methodology proposed in this procedure is developed using the industry standard nitrogen/brine interface test method.

The wellhead pressures and temperature, wellbore temperatures, nitrogen volumes, and interface location will be recorded throughout the test period and will allow for the calculation of the borehole volumes, test sensitivity, minimum test durations, and final test calculations.

All test calculations are based on the following measured parameters: wellhead pressure, nitrogen volumes, annular casing unit volume, wellbore temperatures, and interface locations. In addition to the measured parameters, the following calculated parameters are important in completing the test: unit borehole volume, MDLR, and test length.

To evaluate the test the calculated nitrogen volume/mass at the start of the test is compared to the calculated nitrogen volume/mass at the end of the test. This rate of volume change and it's comparison to the test sensitivity is one of the components in determining the final results of the MIT.

TEST SENSITIVITY AND TEST LENGTH

Test sensitivity calculations are the functions of three factors:

Borehole volume – Determined from nitrogen measurement and sonar surveys

Log Resolution – Recommended: 5":100' logging scale

Minimum test duration – 24 hours

The test sensitivity is defined at the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	Minimum Detectable Leak Rate (bbl/year)
B _v	=	Borehole Volume (bbls/ft)
L _R	=	Log Resolution (feet)
T _c	=	Time Constant (365 days/year)
T _L	=	Test Length (days)

Using the MDLR method a reasonable and acceptable test accuracy and sensitivity can be calculated for the Mechanical Integrity Test. The MDLR calculation is based on downhole measurements of the test conditions.

The MDLR must be less than 1000 bbl/year for the designated test period. The length of the test must a minimum of

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

LONQUIST**FIELD SERVICE****WELL TEST****Western Refining Company, LP
Well No. 2
Mechanical Integrity Test****Project No.: F141****Date: August 2007****Page: 5 of 10****Well: No. 2****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35955****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well**

24 hours and sufficient in length to keep the MDLR below 1000 bbl/year and allow for a proper evaluation of the well test.

TEST EVALUATIONS

The volume/mass of nitrogen located in the wellbore can be affected by following: temperature stabilization, cavern leaching/creep, and volume changes. Using P-V-T gas calculations, any changes in the volume/mass of the nitrogen in the wellbore can be evaluated based on wellbore temperature changes, pressure changes, and/or wellbore leakage.

Pressure Calculations

The average wellbore pressure is calculated based on the wellhead surface pressure, wellbore temperature, and depth of the specific interval. The following equation is used to calculate the average wellbore pressure

$$(P_A)_i = (P_A)_{i-1} \left[1 + \left(\frac{D}{(R)(Z_A)_i(T)_i} \right) \right]$$

Where:

- $(P_A)_i$ = Pressure @ Depth Interval (Calculated) (psia)
 $(P_A)_{i-1}$ = Pressure @ Previous Depth Interval (Calculated) (psi)
 D = Depth Interval (ft)
 $(Z_A)_i$ = Gas Compressibility Factor @ Depth Interval
 R = Specific Gas Constant
 $(T)_i$ = Wellbore Temperature ($^{\circ}$ R)

Nitrogen Calculations

The following calculation is used to calculate the volume/mass of nitrogen for specific intervals over the entire wellbore at the start and end of the test period:

$$(N_2)_i = \left(\frac{[(P_A)_i * (B_v)_i]}{[(Z_A)_i * (T_A)_i * R]} \right) * N_{GC}$$

Where:

- $(N_2)_i$ = Nitrogen Volume (SCF)
 $(P_A)_i$ = Average Wellbore Pressure (psi)
 $(B_v)_i$ = Wellbore Volume (ft³)

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

LONQUIST**FIELD SERVICE****WELL TEST**

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Project No.: F141**Date: August 2007****Page: 6 of 10****Well: No. 2****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35955****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well**

$(Z_A)_i$ = Gas Compressibility Factor
 $(T_A)_i$ = Wellbore Temperature (°R)
 R = Specific Gas Constant
 N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb)

Upon completion of each specific volume/mass calculation the sum of the each interval is calculated to determine the volume/mass of nitrogen in the wellbore at the beginning of the test. After the test is complete the calculation and summation is repeated to determine the final test results.

The following equations represent the summation of the intervals to the nitrogen/brine interface at the start and completion of the test:

$$(V_I) = \sum_o^{1/F} (N_2)_i$$

$$(V_F) = \sum_o^{1/F} (N_2)_i$$

The results of the beginning and completion of the test are compared and evaluated to determine the change in nitrogen volume during the test period. The following equation is used for the comparison:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB}) = Nitrogen Volume Change (ft³) – Wellbore Conditions
 (Z_A) = Average Gas Compressibility Factor for Test Period
 (T_A) = Average Wellbore Temperature (°R) for Test Period
 R = Specific Gas Constant
 $(\Delta V)_{STP}$ = Nitrogen Volume Change (SCF) – Standard Conditions
 (P_A) = Average Wellbore Pressure for Test Period (psi)
 N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb)

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LONQUIST**FIELD SERVICE****WELL TEST****Western Refining Company, LP
Well No. 2
Mechanical Integrity Test****Project No.: F141****Date: August 2007****Page: 7 of 10****Well: No. 2****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35955****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well**

The change in wellbore volume for the test period is converted into a calculated annual volume change. The following equation determines this volume change:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(hr/day) * 365(day/yr)]}{T_L}$$

Where:

$$\begin{aligned}(\Delta V_{ANNUAL}) &= \text{Calculated Volume Change (bbls/year)} \\(\Delta V_{WB}) &= \text{Nitrogen Volume Change (ft}^3\text{) - Wellbore Conditions} \\(T_L) &= \text{Test Length (hrs)}\end{aligned}$$

A positive change in wellbore volume indicates a calculated loss of nitrogen from the wellbore during the test period. A negative change in wellbore volume indicates a calculated increase (apparent nitrogen influx) in nitrogen volume during the test period.

Pass/Fail Criteria

Test results are evaluated for a successful test using the following criteria:

- MDLR less than 1000 bbls/day
- Calculated Annual Volume Change less than the MDLR
- Pressure response, wellbore temperature, and interface movement should respond in a way that represents the cavern has mechanical integrity

Test Reporting

A written report will be prepared within 30 days of completion and submitted to the Oil Conservation Division of New Mexico. The report will include the test procedures, test chronology, test results and conclusions, wireline logs, pressure information, and all supporting documentation.

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

LONQUIST**FIELD SERVICE****WELL TEST**

Project No.: F141

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Date: August 2007

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Well: No. 2

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35955

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

TEST PLANNING SHEET

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
Parish:	Lea
Field:	Jal Station
Serial Number:	30-025-35955
UIC Number	0

WELL INFORMATION

Cemented Casing			Casing Liner		
Casing Size	7	inches	Casing Size	5 1/2	inches
Casing ID	6.456	inches	Casing ID	4.825	inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1672	feet	Depth	1624	feet

Hanging String No. 1			Hanging String No. 2		
Casing Size	2 7/8	inches	Casing Size		inches
Casing ID	2.441	inches	Casing ID		inches
Casing Weight		lbs/ft	Casing Weight		lbs/ft
Grade			Grade		
Depth	1980	feet	Depth		feet

Cavern

Cavern Size	144,000	bbls
Compressibility	0.44	bbls/psi
Cavern TD	2050	feet

TEST INFORMATION

Effective Casing Shoe	1672	feet	Casing Shoe Pressure	1287.44	psi
Test Gradient	0.77	psi/ft	Interface Pressure	1287.53	psi
Brine Specific Gravity	1.2		Surface Tubing Pressure	417.72	psi
Nitrogen Temperature	65	deg F	Surface Annulus Pressure	1216.38	psi
Interface Depth	1674	feet	Pressure Increase	440.55	psi
Gas Compressibility	1.0002		Conversion	14.70	psi

Volume			Nitrogen		
Annular Volume No. 1	0.021	bbls/ft	Surface to Casing Shoe	17475.8	SCF
Annular Volume No. 2	0.032	bbls/ft	Casing Shoe to Interface	77363.65	SCF
Surface to Liner Shoe	34.68	bbls	Total	94839.45	SCF
Surface to Casing Shoe	1.558	bbls	Brine		
Casing Shoe to Interface	156	bbls	Cavern Pre-Pressure	-22.83	psi
Total	192.24	bbls	Brine Injection	-9.96	bbls

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

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FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Project No.: F141

Date: August 2007

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Well: No. 2

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35955

Oper: Western Refining Company, LP

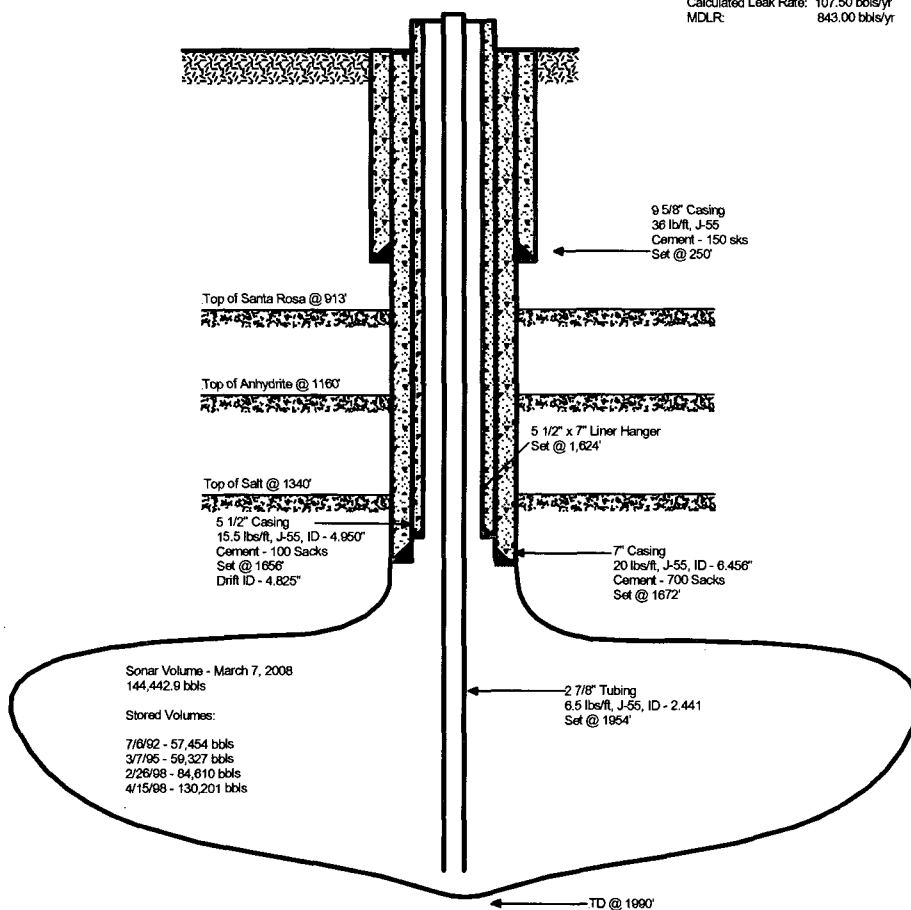
Location: Jal

Status: State LPG Well

WELL SCHEMATIC

Well Information
Well Name: State LPG Well No. 2
API #: 30-025-35955
County: Lea

MIT Results
Annulus Pressure: 1201.19 psi
Tubing Pressure: 401.80 psi
Test Gradient: 0.77 psi/ft
Calculated Leak Rate: 107.50 bbls/yr
MDLR: 843.00 bbls/yr



LONQUIST

FIELD SERVICE

Well No. 2 - 2008 Well Schematic

JAL Storage Facility

PROJECT NUMBER:
F141

DRAWN:
TJB

REVIEWED:
ETB

APPROVAL:
NONE

SCALE:
NONE

DATE:
APRIL 2008

DRAWING NUMBER:

PREPARED BY

DATE

APPROVED BY

DATE

CLIENT
APPROVAL

DATE

Client Signature

TJB

3/1/2008

ETB

3/1/2008

LONQUIST

FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 2
Mechanical Integrity Test

Project No.: F141

Date: August 2007

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Well: No. 2

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35955

Operator: Western Refining Company, LP

Location: Jal

Status: State LPG Well

CONTACT INFORMATION

Well Owner

Western Refining
6501 Trowbridge Drive
El Paso, TX 79905-3402

- Allen S. Hains – Environmental Engineer
 - Telephone – (915) 775-5554
 - Mobile – (915) 775-5521
 - Email – allen.hains@westernrefining.com

Western Refining
PO Box 1345
Jal, New Mexico 88252

- Ken Parker – Site Manager
 - Telephone – (505) 395-2632
 - Mobile – (915) 471-1607
 - Email – ken.parker@westernrefining.com

Engineering Consultants

Lonquist Field Service, LLC
3345 Bee Cave Rd., Suite 201
Austin, Texas 78746

- Eric Busch – Operations Manager
 - Telephone – (832) 216-0785
 - Fax – (512) 732-9816
 - Email – eric@lonquistfieldservice.com
- Tadd J Busch – Underground Storage Engineer
 - Telephone – (701) 306 8580
 - Fax – (512) 732-9816
 - Email – tadd@lonquistfieldservice.com

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	3/1/2008	ETB	3/1/2008			

Appendix B – Injection Pressure Data

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12:31:00	39.38	68.11	40.18	68.09
12:31:40	39.36	68.22	40.16	68.19
12:32:20	39.34	68.33	40.15	68.31
12:33:00	39.34	68.40	40.13	68.39
12:33:40	39.34	68.39	40.12	68.39
12:34:20	39.34	68.20	40.12	68.24
12:35:00	39.34	67.96	40.12	68.04
12:35:40	39.35	67.80	40.13	67.86
12:36:20	39.36	67.71	40.13	67.76
12:37:00	39.35	67.69	40.13	67.74
12:37:40	39.35	67.77	40.13	67.78
12:38:20	39.34	67.88	40.13	67.90
12:39:00	39.34	68.01	40.13	68.01
12:39:40	39.33	68.17	40.13	68.16
12:40:20	39.33	68.32	40.13	68.30
12:41:00	39.33	68.46	40.13	68.45
12:41:40	39.33	68.60	40.14	68.58
12:42:20	39.33	68.74	40.14	68.72
12:43:00	98.74	68.91	41.04	68.86
12:43:40	169.96	69.10	45.31	69.05
12:44:20	182.02	69.28	47.76	69.23
12:45:00	272.84	69.47	50.77	69.40
12:45:40	323.52	69.64	54.21	69.58
12:46:20	369.09	69.81	57.16	69.74
12:47:00	410.99	70.00	59.61	69.93
12:47:40	453.94	70.15	61.78	70.09
12:48:20	485.79	70.28	63.84	70.21
12:49:00	523.80	70.37	65.97	70.32
12:49:40	555.07	70.43	67.80	70.41
12:50:20	589.15	70.46	69.59	70.45
12:51:00	617.44	70.41	71.25	70.44
12:51:40	647.69	70.29	72.80	70.36
12:52:20	673.34	70.18	74.36	70.27
12:53:00	698.81	70.07	75.87	70.18
12:53:40	733.86	69.97	77.81	70.09
12:54:20	768.90	69.90	79.75	70.02
12:55:00	801.81	69.84	81.68	69.97
12:55:40	833.50	69.83	83.53	69.96
12:56:20	864.01	69.82	85.20	69.95
12:57:00	893.43	69.79	86.96	69.92
12:57:40	904.87	69.76	88.90	69.90
12:58:20	907.18	69.74	89.76	69.89
12:59:00	905.57	69.73	90.51	69.88

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12:59:40	905.60	69.72	90.31	69.88
13:00:20	905.55	69.71	90.02	69.87
13:01:00	905.46	69.64	90.17	69.84
13:01:40	905.42	69.58	90.17	69.77
13:02:20	905.38	69.53	90.07	69.72
13:03:00	905.37	69.52	90.13	69.71
13:03:40	905.28	69.54	90.14	69.71
13:04:20	905.21	69.61	90.04	69.76
13:05:00	905.13	69.65	90.09	69.82
13:05:40	905.11	69.66	89.93	69.82
13:06:20	905.04	69.61	89.93	69.77
13:07:00	904.99	69.58	89.93	69.74
13:07:40	904.95	69.57	89.86	69.73
13:08:20	904.90	69.61	89.87	69.77
13:09:00	904.86	69.70	89.86	69.84
13:09:40	904.80	69.78	89.79	69.92
13:10:20	904.72	69.86	89.77	70.01
13:11:00	904.70	69.87	89.69	70.01
13:11:40	904.62	69.77	89.57	69.93
13:12:20	904.60	69.65	89.60	69.82
13:13:00	904.58	69.56	89.45	69.71
13:13:40	904.55	69.46	89.16	69.61
13:14:20	904.49	69.35	89.44	69.53
13:15:00	904.40	69.26	89.35	69.43
13:15:40	904.35	69.19	89.42	69.35
13:16:20	904.34	69.17	89.23	69.32
13:17:00	904.31	69.21	89.72	69.33
13:17:40	904.27	69.32	89.30	69.44
13:18:20	904.22	69.48	89.42	69.57
13:19:00	904.20	69.66	89.40	69.73
13:19:40	904.18	69.88	89.33	69.92
13:20:20	904.14	70.04	89.35	70.08
13:21:00	904.09	70.12	89.34	70.21
13:21:40	904.08	70.22	89.30	70.30
13:22:20	904.07	70.34	89.26	70.39
13:23:00	904.00	70.42	89.28	70.49
13:23:40	903.99	70.50	89.24	70.58
13:24:20	903.99	70.56	89.27	70.64
13:25:00	903.95	70.58	89.23	70.66
13:25:40	903.93	70.58	89.21	70.68
13:26:20	903.92	70.58	89.26	70.68
13:27:00	903.90	70.57	89.21	70.68
13:27:40	903.88	70.57	89.29	70.68

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
13:28:20	903.87	70.56	89.34	70.68
13:29:00	903.85	70.54	89.99	70.67
13:29:40	903.81	70.50	89.69	70.65
13:30:20	903.78	70.47	89.69	70.62
13:31:00	903.75	70.42	89.68	70.59
13:31:40	903.74	70.41	89.64	70.56
13:32:20	903.72	70.38	89.63	70.54
13:33:00	903.69	70.35	89.45	70.51
13:33:40	903.68	70.34	89.51	70.49
13:34:20	903.67	70.34	89.53	70.49
13:35:00	903.66	70.35	89.50	70.49
13:35:40	903.64	70.36	89.47	70.50
13:36:20	903.60	70.37	89.43	70.51
13:37:00	903.59	70.36	89.41	70.51
13:37:40	903.54	70.32	89.41	70.49
13:38:20	903.55	70.28	89.55	70.46
13:39:00	903.54	70.26	89.15	70.43
13:39:40	903.54	70.26	89.02	70.42
13:40:20	903.52	70.26	89.45	70.42
13:41:00	903.52	70.27	89.19	70.42
13:41:40	903.49	70.27	89.26	70.43
13:42:20	903.48	70.27	89.24	70.43
13:43:00	903.47	70.28	89.24	70.43
13:43:40	903.47	70.32	89.23	70.47
13:44:20	903.45	70.39	89.24	70.53
13:45:00	903.42	70.50	89.26	70.64
13:45:40	903.42	70.66	89.22	70.78
13:46:20	903.35	70.82	89.21	70.92
13:47:00	903.37	70.96	89.16	71.05
13:47:40	903.35	71.05	89.11	71.17
13:48:20	903.34	71.10	89.18	71.22
13:49:00	903.33	71.09	89.16	71.24
13:49:40	903.29	71.01	89.15	71.20
13:50:20	903.28	70.94	89.14	71.14
13:51:00	903.27	70.82	89.15	71.05
13:51:40	903.30	70.71	89.14	70.93
13:52:20	903.23	70.54	89.10	70.80
13:53:00	903.27	70.40	89.10	70.65
13:53:40	903.26	70.28	89.10	70.54
13:54:20	903.24	70.21	89.06	70.46
13:55:00	903.21	70.16	89.06	70.40
13:55:40	903.22	70.13	89.08	70.36
13:56:20	903.23	70.11	89.08	70.34

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
13:57:00	903.23	70.10	89.06	70.33
13:57:40	903.22	70.13	89.02	70.34
13:58:20	903.21	70.20	89.02	70.39
13:59:00	903.20	70.27	89.02	70.46
13:59:40	903.16	70.33	89.02	70.50
14:00:20	903.19	70.39	89.04	70.56
14:01:00	903.16	70.39	89.02	70.56
14:01:40	903.16	70.39	89.02	70.56
14:02:20	903.16	70.39	89.02	70.56
14:03:00	903.16	70.39	89.02	70.56
14:03:40	903.16	70.39	89.02	70.56
14:04:20	903.16	70.39	89.02	70.56
14:05:00	903.16	70.39	89.02	70.56
14:05:40	903.16	70.39	89.02	70.56
14:06:20	903.16	70.39	89.02	70.56
14:07:00	903.16	70.39	89.02	70.56
14:07:40	903.16	70.39	89.02	70.56
14:08:20	902.44	70.28	88.92	70.51
14:09:00	905.38	70.25	89.78	70.48
14:09:40	906.64	70.25	91.15	70.47
14:10:20	907.79	70.25	92.45	70.47
14:11:00	909.20	70.25	93.86	70.47
14:11:40	910.56	70.23	95.20	70.47
14:12:20	912.02	70.20	96.66	70.45
14:13:00	913.59	70.17	98.13	70.42
14:13:40	914.73	70.14	98.97	70.38
14:14:20	916.10	70.10	100.62	70.36
14:15:00	917.37	70.08	102.09	70.34
14:15:40	918.65	70.08	103.35	70.33
14:16:20	920.23	70.09	104.78	70.34
14:17:00	921.45	70.15	106.17	70.41
14:17:40	922.76	70.24	107.87	70.51
14:18:20	923.15	70.32	108.97	70.59
14:19:00	923.33	70.39	109.05	70.66
14:19:40	923.30	70.42	109.03	70.71
14:20:20	923.27	70.42	108.90	70.72
14:21:00	923.23	70.40	108.94	70.72
14:21:40	923.21	70.38	108.90	70.72
14:22:20	923.18	70.37	108.89	70.71
14:23:00	923.16	70.37	108.86	70.71
14:23:40	923.11	70.37	108.81	70.72
14:24:20	923.11	70.43	108.80	70.76
14:25:00	923.08	70.50	108.79	70.86

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
14:25:40	923.04	70.60	108.74	70.95
14:26:20	923.02	70.67	108.73	71.02
14:27:00	923.01	70.73	108.71	71.08
14:27:40	922.99	70.76	108.69	71.10
14:28:20	922.97	70.76	108.67	71.11
14:29:00	922.94	70.76	108.65	71.12
14:29:40	922.92	70.75	108.63	71.10
14:30:20	922.91	70.68	108.59	71.00
14:31:00	922.87	70.59	108.58	70.88
14:31:40	922.86	70.51	108.57	70.78
14:32:20	922.85	70.48	108.56	70.71
14:33:00	922.84	70.47	108.55	70.70
14:33:40	922.83	70.46	108.54	70.69
14:34:20	922.81	70.44	108.53	70.68
14:35:00	922.80	70.41	108.51	70.66
14:35:40	922.76	70.35	108.45	70.61
14:36:20	922.74	70.31	108.45	70.57
14:37:00	922.74	70.26	108.45	70.53
14:37:40	922.73	70.21	108.49	70.49
14:38:20	922.72	70.18	108.56	70.46
14:39:00	922.71	70.14	108.43	70.42
14:39:40	922.69	70.12	108.41	70.40
14:40:20	922.71	70.17	108.41	70.43
14:41:00	922.68	70.26	108.29	70.51
14:41:40	922.70	70.38	108.05	70.63
14:42:20	922.70	70.52	108.33	70.73
14:43:00	922.64	70.66	108.35	70.86
14:43:40	922.63	70.83	108.34	71.01
14:44:20	922.61	70.98	108.34	71.19
14:45:00	922.58	71.14	108.32	71.34
14:45:40	922.57	71.30	108.31	71.48
14:46:20	922.57	71.48	108.30	71.64
14:47:00	922.55	71.66	108.29	71.81
14:47:40	922.51	71.82	108.28	71.99
14:48:20	922.52	71.97	108.27	72.11
14:49:00	922.52	72.09	108.26	72.20
14:49:40	922.50	72.19	108.25	72.28
14:50:20	922.48	72.30	108.24	72.39
14:51:00	922.49	72.41	108.22	72.49
14:51:40	922.45	72.47	108.21	72.56
14:52:20	922.44	72.47	108.19	72.57
14:53:00	922.43	72.34	108.17	72.44
14:53:40	922.43	72.13	108.15	72.26

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
14:54:20	922.43	71.91	108.14	72.02
14:55:00	922.41	71.64	108.13	71.76
14:55:40	922.43	71.34	108.12	71.46
14:56:20	922.44	71.04	108.11	71.16
14:57:00	922.43	70.75	108.10	70.86
14:57:40	922.43	70.51	108.10	70.61
14:58:20	922.42	70.30	108.08	70.41
14:59:00	922.40	70.12	108.07	70.24
14:59:40	922.37	69.95	108.07	70.05
15:00:20	922.36	69.75	108.06	69.88
15:01:00	922.37	69.53	108.06	69.63
15:01:40	922.37	69.29	108.03	69.39
15:02:20	922.41	69.06	108.02	69.15
15:03:00	922.39	68.85	108.03	68.93
15:03:40	922.38	68.67	108.03	68.73
15:04:20	922.35	68.55	108.02	68.62
15:05:00	922.36	68.49	108.02	68.55
15:05:40	922.35	68.48	108.02	68.54
15:06:20	922.37	68.53	108.01	68.57
15:07:00	922.34	68.63	108.00	68.69
15:07:40	922.35	68.77	107.99	68.79
15:08:20	922.29	68.91	107.99	68.95
15:09:00	922.29	69.07	107.99	69.10
15:09:40	922.29	69.24	107.99	69.27
15:10:20	922.27	69.44	107.97	69.45
15:11:00	922.25	69.65	107.97	69.66
15:11:40	922.26	69.89	107.96	69.89
15:12:20	922.20	70.10	107.94	70.10
15:13:00	922.21	70.33	107.95	70.35
15:13:40	922.20	70.53	107.94	70.56
15:14:20	922.19	70.76	107.91	70.78
15:15:00	922.17	70.96	107.91	70.97
15:15:40	922.15	71.10	107.90	71.13
15:16:20	922.14	71.21	107.90	71.24
15:17:00	922.12	71.31	107.89	71.35
15:17:40	922.11	71.41	107.88	71.45
15:18:20	922.14	71.52	107.87	71.55
15:19:00	922.12	71.63	107.86	71.65
15:19:40	922.10	71.73	107.86	71.75
15:20:20	922.09	71.84	107.85	71.85
15:21:00	922.07	71.94	107.84	71.94
15:21:40	922.07	72.02	107.83	72.02
15:22:20	922.04	72.11	107.72	72.11

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
15:23:00	922.04	72.22	107.81	72.19
15:23:40	922.01	72.34	107.80	72.32
15:24:20	922.04	72.49	107.80	72.44
15:25:00	922.04	72.62	107.81	72.57
15:25:40	922.00	72.77	107.82	72.69
15:26:20	922.01	72.92	107.79	72.83
15:27:00	922.01	73.06	107.77	72.96
15:27:40	921.98	73.18	107.76	73.08
15:28:20	921.98	73.28	107.76	73.17
15:29:00	921.98	73.38	107.76	73.26
15:29:40	921.94	73.51	107.75	73.39
15:30:20	921.95	73.64	107.74	73.51
15:31:00	921.96	73.78	107.73	73.63
15:31:40	921.92	73.88	107.72	73.74
15:32:20	921.94	73.96	107.72	73.83
15:33:00	921.93	74.01	107.71	73.89
15:33:40	921.87	74.04	107.69	73.92
15:34:20	921.87	74.05	107.69	73.93
15:35:00	921.87	74.05	107.69	73.94
15:35:40	921.87	74.05	107.68	73.95
15:36:20	921.87	74.06	107.67	73.95
15:37:00	921.87	74.06	107.67	73.95
15:37:40	921.87	74.04	107.66	73.94
15:38:20	921.85	74.01	107.65	73.91
15:39:00	921.85	74.00	107.64	73.88
15:39:40	921.84	73.95	107.64	73.84
15:40:20	921.84	73.88	107.63	73.78
15:41:00	921.83	73.80	107.61	73.70
15:41:40	921.84	73.71	107.60	73.60
15:42:20	921.83	73.58	107.60	73.47
15:43:00	921.83	73.41	107.59	73.32
15:43:40	921.85	73.21	107.58	73.14
15:44:20	921.86	73.01	107.57	72.92
15:45:00	921.86	72.80	107.54	72.70
15:45:40	921.85	72.56	107.65	72.48
15:46:20	921.89	72.37	107.50	72.27
15:47:00	921.47	72.14	107.58	72.07
15:47:40	922.79	71.93	108.02	71.87
15:48:20	924.10	71.73	109.42	71.68
15:49:00	925.44	71.53	110.94	71.47
15:49:40	927.20	71.39	112.46	71.31
15:50:20	928.52	71.24	114.00	71.16
15:51:00	929.90	71.10	115.49	71.02

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
15:51:40	931.34	70.93	117.00	70.85
15:52:20	932.79	70.74	118.54	70.68
15:53:00	934.51	70.52	120.05	70.48
15:53:40	935.96	70.32	121.59	70.27
15:54:20	937.15	70.07	123.08	70.08
15:55:00	937.25	69.87	124.28	69.86
15:55:40	941.97	69.67	125.92	69.65
15:56:20	944.41	69.47	128.92	69.46
15:57:00	947.07	69.29	131.87	69.30
15:57:40	949.80	69.10	134.76	69.13
15:58:20	952.62	68.93	137.64	68.97
15:59:00	955.24	68.77	140.59	68.80
15:59:40	958.16	68.65	143.50	68.69
16:00:20	961.03	68.55	146.48	68.63
16:01:00	963.71	68.53	149.35	68.61
16:01:40	966.32	68.53	152.26	68.63
16:02:20	969.05	68.57	155.12	68.69
16:03:00	971.75	68.64	158.03	68.78
16:03:40	974.64	68.75	160.95	68.89
16:04:20	977.29	68.90	163.87	69.04
16:05:00	979.96	69.10	166.78	69.23
16:05:40	982.89	69.31	169.66	69.42
16:06:20	985.80	69.55	172.59	69.65
16:07:00	988.35	69.81	175.43	69.90
16:07:40	991.07	70.09	178.34	70.16
16:08:20	993.74	70.37	181.25	70.43
16:09:00	996.65	70.64	184.12	70.69
16:09:40	999.21	70.89	187.02	70.96
16:10:20	1001.89	71.14	189.86	71.20
16:11:00	1004.60	71.35	192.58	71.41
16:11:40	1007.60	71.48	195.52	71.57
16:12:20	1016.15	71.56	199.60	71.68
16:13:00	1022.99	71.59	205.57	71.72
16:13:40	1028.68	71.62	211.52	71.75
16:14:20	1034.27	71.71	217.42	71.82
16:15:00	1039.90	71.83	223.24	71.92
16:15:40	1045.38	71.99	229.09	72.05
16:16:20	1050.80	72.12	234.94	72.18
16:17:00	1056.18	72.29	240.69	72.32
16:17:40	1061.46	72.45	246.07	72.46
16:18:20	1066.75	72.60	251.84	72.62
16:19:00	1071.93	72.72	257.40	72.77
16:19:40	1077.20	72.88	262.91	72.93

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
16:20:20	1082.22	73.01	268.31	73.12
16:21:00	1087.34	73.20	273.69	73.31
16:21:40	1092.22	73.37	278.96	73.51
16:22:20	1097.21	73.53	284.14	73.70
16:23:00	1102.08	73.69	289.31	73.88
16:23:40	1106.83	73.83	294.37	74.06
16:24:20	1111.65	73.98	299.38	74.23
16:25:00	1116.22	74.13	304.34	74.39
16:25:40	1120.89	74.26	309.22	74.56
16:26:20	1125.40	74.42	314.06	74.70
16:27:00	1129.82	74.50	318.79	74.82
16:27:40	1134.33	74.53	323.49	74.86
16:28:20	1138.62	74.50	328.14	74.87
16:29:00	1142.97	74.43	332.66	74.83
16:29:40	1147.26	74.37	337.18	74.79
16:30:20	1151.49	74.35	341.66	74.77
16:31:00	1155.58	74.36	345.98	74.76
16:31:40	1159.66	74.40	350.35	74.81
16:32:20	1163.66	74.46	354.62	74.86
16:33:00	1167.56	74.51	358.65	74.90
16:33:40	1171.26	74.55	362.71	74.93
16:34:20	1175.18	74.58	366.88	74.97
16:35:00	1179.16	74.64	371.01	75.00
16:35:40	1183.06	74.71	375.13	75.06
16:36:20	1186.86	74.80	379.25	75.15
16:37:00	1190.77	74.86	383.30	75.21
16:37:40	1194.54	74.91	387.31	75.29
16:38:20	1198.29	74.94	391.21	75.35
16:39:00	1202.01	74.95	395.16	75.41
16:39:40	1205.57	74.96	399.08	75.43
16:40:20	1209.36	74.97	402.92	75.46
16:41:00	1212.95	74.98	406.73	75.50
16:41:40	1206.54	75.00	407.61	75.52
16:42:20	1206.15	75.04	406.94	75.57
16:43:00	1205.75	75.06	406.47	75.60
16:43:40	1205.37	75.08	405.96	75.60
16:44:20	1205.07	75.05	405.34	75.56
16:45:00	1204.75	75.03	405.49	75.51
16:45:40	1204.52	75.01	405.12	75.47
16:46:20	1204.28	74.99	404.87	75.43
16:47:00	1204.04	74.99	404.72	75.39
16:47:40	1203.81	75.00	404.46	75.37
16:48:20	1203.61	75.00	404.22	75.32

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
16:49:00	1203.46	75.00	404.01	75.27
16:49:40	1203.29	74.97	403.91	75.22
16:50:20	1203.10	74.96	403.67	75.17
16:51:00	1202.95	74.93	403.54	75.13
16:51:40	1202.84	74.91	403.37	75.08
16:52:20	1202.66	74.91	403.23	75.05
16:53:00	1202.52	74.91	403.12	75.03
16:53:40	1202.37	74.92	402.91	75.02
16:54:20	1202.26	74.95	402.73	75.02
16:55:00	1202.12	75.00	402.69	75.03
16:55:40	1202.00	75.03	402.34	75.05
16:56:20	1201.90	75.06	402.41	75.06
16:57:00	1201.83	75.06	402.33	75.05
16:57:40	1201.72	75.02	402.22	75.01
16:58:20	1201.62	74.97	402.12	74.93
16:59:00	1201.52	74.90	402.02	74.88
16:59:40	1201.43	74.84	401.94	74.82
17:00:20	1201.34	74.79	401.74	74.75
17:01:00	1201.26	74.74	401.70	74.69
17:01:40	1201.18	74.69	401.64	74.65
17:02:20	1201.08	74.63	401.47	74.59
17:03:00	1201.02	74.60	401.43	74.54
17:03:40	1200.94	74.56	401.36	74.49
17:04:20	1200.86	74.51	401.27	74.44
17:05:00	1200.79	74.46	401.21	74.37
17:05:40	1200.72	74.42	401.09	74.34
17:06:20	1200.66	74.42	401.04	74.33
17:07:00	1200.58	74.46	400.86	74.34
17:07:40	1200.51	74.52	400.89	74.39
17:08:20	1200.43	74.57	400.69	74.43
17:09:00	1200.38	74.63	400.68	74.45
17:09:40	1200.30	74.63	400.68	74.47
17:10:20	1200.23	74.58	400.63	74.44
17:11:00	1200.15	74.42	400.54	74.32
17:11:40	1200.11	74.24	400.64	74.14
17:12:20	1200.04	74.00	400.38	73.97
17:13:00	1200.01	73.73	400.44	73.71
17:13:40	1199.97	73.39	400.36	73.44
17:14:20	1199.88	73.05	400.38	73.13
17:15:00	1199.83	72.76	400.29	72.84
17:15:40	1199.77	72.56	400.22	72.64
17:16:20	1199.75	72.48	400.22	72.50
17:17:00	1199.72	72.47	400.19	72.45

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
17:17:40	1199.62	72.49	400.09	72.43
17:18:20	1199.58	72.56	399.92	72.48
17:19:00	1199.54	72.70	399.89	72.58
17:19:40	1199.46	72.86	399.85	72.73
17:20:20	1199.43	73.06	399.78	72.89
17:21:00	1199.38	73.29	399.72	73.09
17:21:40	1199.30	73.54	399.67	73.31
17:22:20	1199.22	73.76	399.60	73.54
17:23:00	1199.18	73.99	399.58	73.76
17:23:40	1199.14	74.18	399.53	73.95
17:24:20	1199.11	74.36	399.47	74.14
17:25:00	1199.06	74.59	399.43	74.35
17:25:40	1198.97	74.81	399.38	74.55
17:26:20	1198.91	75.04	399.35	74.76
17:27:00	1198.86	75.26	399.27	74.98
17:27:40	1198.84	75.44	399.25	75.20
17:28:20	1198.78	75.59	399.19	75.38
17:29:00	1198.75	75.73	399.13	75.54
17:29:40	1198.72	75.83	399.06	75.69
17:30:20	1198.67	75.94	399.04	75.82
17:31:00	1198.64	76.07	399.01	75.94
17:31:40	1198.58	76.21	398.97	76.09
17:32:20	1198.51	76.40	398.92	76.25
17:33:00	1198.50	76.57	398.89	76.40
17:33:40	1198.46	76.67	398.82	76.53
17:34:20	1198.40	76.72	398.82	76.65
17:35:00	1198.39	76.77	398.70	76.72
17:35:40	1198.36	76.81	398.70	76.80
17:36:20	1198.34	76.89	398.68	76.87
17:37:00	1198.26	76.98	398.64	76.96
17:37:40	1198.24	77.09	398.60	77.02
17:38:20	1198.22	77.19	398.57	77.10
17:39:00	1198.16	77.27	398.51	77.16
17:39:40	1198.17	77.35	398.48	77.21
17:40:20	1198.10	77.37	398.45	77.23
17:41:00	1198.05	77.35	398.41	77.22
17:41:40	1198.03	77.25	398.37	77.12
17:42:20	1197.99	77.07	398.32	76.98
17:43:00	1197.94	76.91	398.29	76.84
17:43:40	1197.94	76.82	398.27	76.74
17:44:20	1197.92	76.78	398.26	76.69
17:45:00	1197.91	76.77	398.23	76.67
17:45:40	1197.85	76.80	398.18	76.67

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
17:46:20	1197.83	76.87	398.15	76.69
17:47:00	1197.80	76.98	398.11	76.76
17:47:40	1197.76	77.04	398.09	76.82
17:48:20	1197.75	77.11	398.05	76.87
17:49:00	1197.70	77.12	398.01	76.87
17:49:40	1197.69	77.12	397.99	76.88
17:50:20	1197.61	77.08	397.94	76.85
17:51:00	1197.59	76.98	397.91	76.77
17:51:40	1197.56	76.83	397.87	76.67
17:52:20	1197.60	76.65	397.86	76.50
17:53:00	1197.54	76.41	397.81	76.31
17:53:40	1197.52	76.22	397.78	76.12
17:54:20	1197.48	75.99	397.75	75.93
17:55:00	1197.47	75.76	397.73	75.71
17:55:40	1197.46	75.50	397.69	75.48
17:56:20	1197.42	75.22	397.69	75.23
17:57:00	1197.44	74.92	397.64	74.94
17:57:40	1197.39	74.59	397.60	74.65
17:58:20	1197.41	74.24	397.59	74.33
17:59:00	1197.36	73.89	397.56	73.99
17:59:40	1197.01	73.54	378.93	73.67
18:00:20	1195.54	73.21	383.96	73.31
18:01:00	1194.18	72.94	376.06	73.05
18:01:40	1192.58	72.71	374.77	72.83
18:02:20	1191.89	72.52	380.98	72.65
18:03:00	1190.55	72.34	378.72	72.49
18:03:40	1188.89	72.17	365.83	72.33
18:04:20	1186.99	72.00	355.66	72.15
18:05:00	1185.00	71.82	352.99	71.98
18:05:40	1182.92	71.64	351.48	71.78
18:06:20	1180.93	71.46	349.87	71.59
18:07:00	1178.65	71.28	329.35	71.44
18:07:40	1176.12	71.13	391.60	71.31
18:08:20	1176.42	71.03	373.81	71.18
18:09:00	1176.41	70.94	375.80	71.07
18:09:40	1187.10	70.90	380.03	70.96
18:10:20	1191.55	70.86	384.66	70.87
18:11:00	1195.94	70.79	389.36	70.77
18:11:40	1200.15	70.74	393.88	70.67
18:12:20	1202.91	70.71	336.66	70.58
18:13:00	1204.37	70.70	336.43	70.51
18:13:40	1205.76	70.71	337.17	70.47
18:14:20	1207.15	70.71	337.76	70.43

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
18:15:00	1208.61	70.72	339.68	70.38
18:15:40	1209.95	70.68	341.03	70.32
18:16:20	1211.39	70.61	341.74	70.26
18:17:00	1212.68	70.52	342.69	70.17
18:17:40	1214.08	70.41	343.24	70.10
18:18:20	1215.33	70.31	345.25	70.01
18:19:00	1216.67	70.19	346.30	69.93
18:19:40	1217.89	70.09	347.47	69.82
18:20:20	1219.19	69.98	348.63	69.73
18:21:00	1220.49	69.87	350.53	69.65
18:21:40	1221.64	69.79	351.47	69.56
18:22:20	1222.91	69.71	352.69	69.48
18:23:00	1224.10	69.67	353.62	69.41
18:23:40	1225.31	69.63	354.57	69.36
18:24:20	1226.48	69.60	355.59	69.32
18:25:00	1227.62	69.59	356.46	69.28
18:25:40	1219.34	69.56	357.22	69.25
18:26:20	1219.61	69.55	419.65	69.24
18:27:00	1219.57	69.54	420.93	69.19
18:27:40	1219.46	69.51	420.80	69.18
18:28:20	1219.39	69.51	420.63	69.16
18:29:00	1219.29	69.51	420.69	69.15
18:29:40	1219.22	69.50	420.64	69.12
18:30:20	1219.12	69.45	420.61	69.09
18:31:00	1218.99	69.35	420.48	69.03
18:31:40	1218.95	69.25	420.43	68.98
18:32:20	1218.90	69.13	420.39	68.88
18:33:00	1218.82	68.98	420.30	68.79
18:33:40	1218.79	68.83	420.19	68.69
18:34:20	1218.75	68.68	420.20	68.57
18:35:00	1218.69	68.50	420.13	68.44
18:35:40	1218.61	68.33	420.08	68.31
18:36:20	1218.58	68.20	420.01	68.20
18:37:00	1218.53	68.06	419.95	68.07
18:37:40	1218.51	67.95	419.90	67.96
18:38:20	1218.41	67.79	419.88	67.84
18:39:00	1218.42	67.65	419.86	67.72
18:39:40	1218.40	67.51	419.78	67.56
18:40:20	1218.35	67.36	419.75	67.42
18:41:00	1218.25	67.23	419.71	67.29
18:41:40	1218.25	67.12	419.64	67.16
18:42:20	1218.20	67.00	419.59	67.03
18:43:00	1218.14	66.91	419.54	66.92

Nitrogen Injection

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
18:43:40	1218.11	66.83	419.51	66.83
18:44:20	1218.08	66.77	419.47	66.74
18:45:00	1218.05	66.71	419.43	66.66
18:45:40	1217.98	66.63	419.40	66.57
18:46:20	1217.92	66.55	419.37	66.50
18:47:00	1217.91	66.47	419.32	66.42

Appendix C – Test Pressure Data

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
3/11/08 10:09	1208.28	48.07	409.40	48.05
3/11/08 10:24	1208.21	49.33	409.33	49.37
3/11/08 10:39	1208.15	50.63	409.21	50.64
3/11/08 10:54	1208.02	52.93	409.14	52.98
3/11/08 11:09	1207.97	54.33	409.04	54.22
3/11/08 11:24	1207.78	57.93	409.41	57.94
3/11/08 11:39	1207.66	58.82	408.75	58.89
3/11/08 11:54	1207.57	61.22	408.74	61.06
3/11/08 12:09	1207.31	66.28	408.54	66.01
3/11/08 12:24	1207.33	69.44	408.45	69.42
3/11/08 12:39	1207.30	70.83	408.33	70.85
3/11/08 12:54	1207.16	75.18	408.33	74.18
3/11/08 13:09	1207.15	77.36	408.23	76.71
3/11/08 13:24	1207.13	79.31	408.16	79.07
3/11/08 13:39	1207.16	79.65	408.15	79.06
3/11/08 13:54	1207.07	81.29	408.07	80.45
3/11/08 14:09	1207.02	82.44	408.05	81.55
3/11/08 14:24	1206.96	83.02	407.99	82.21
3/11/08 14:39	1206.97	84.22	407.90	83.46
3/11/08 14:54	1206.95	82.93	407.84	82.22
3/11/08 15:09	1206.93	81.82	407.75	80.99
3/11/08 15:24	1206.87	82.20	407.77	81.33
3/11/08 15:39	1206.84	82.95	407.76	81.99
3/11/08 15:54	1206.81	83.59	407.68	82.65
3/11/08 16:09	1206.76	83.60	407.63	82.78
3/11/08 16:24	1206.68	84.29	407.60	83.40
3/11/08 16:39	1206.67	84.10	407.47	83.56
3/11/08 16:54	1206.64	82.00	407.45	81.11
3/11/08 17:09	1206.65	78.08	407.40	77.66
3/11/08 17:24	1206.58	76.93	407.35	76.65
3/11/08 17:39	1206.52	74.90	407.32	74.77
3/11/08 17:54	1206.49	73.28	407.27	73.01
3/11/08 18:09	1206.44	72.89	407.25	72.42
3/11/08 18:24	1206.29	72.17	407.24	71.61
3/11/08 18:39	1206.36	70.77	407.19	70.63
3/11/08 18:54	1206.40	69.43	407.15	69.42
3/11/08 19:09	1206.30	68.21	407.14	68.17
3/11/08 19:24	1206.25	66.82	407.09	66.84
3/11/08 19:39	1206.29	65.48	407.09	65.36
3/11/08 19:54	1206.24	63.80	407.07	63.61
3/11/08 20:09	1206.23	62.10	407.02	61.89

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
3/11/08 20:24	1206.22	60.19	407.05	59.94
3/11/08 20:39	1206.18	58.64	407.02	58.39
3/11/08 20:54	1206.13	57.15	406.96	56.90
3/11/08 21:09	1206.13	55.89	406.97	55.61
3/11/08 21:24	1206.12	54.40	406.94	54.11
3/11/08 21:39	1206.08	53.55	406.90	53.22
3/11/08 21:54	1206.07	52.38	406.90	52.10
3/11/08 22:09	1206.05	50.96	406.89	50.67
3/11/08 22:24	1206.01	49.48	406.87	49.10
3/11/08 22:39	1206.03	48.89	406.86	48.53
3/11/08 22:54	1205.95	48.08	406.81	47.74
3/11/08 23:09	1205.97	47.16	406.80	46.80
3/11/08 23:24	1205.94	45.87	406.75	45.49
3/11/08 23:39	1205.96	44.56	406.77	44.26
3/11/08 23:54	1205.93	43.25	406.73	42.87
3/12/08 0:09	1205.90	43.29	406.73	42.88
3/12/08 0:24	1205.83	44.30	406.70	43.93
3/12/08 0:39	1205.80	44.56	406.63	44.31
3/12/08 0:54	1205.74	44.62	406.59	44.41
3/12/08 1:09	1205.70	44.63	406.56	44.48
3/12/08 1:24	1205.66	44.40	406.50	44.24
3/12/08 1:39	1205.64	44.28	406.48	44.14
3/12/08 1:54	1205.65	44.70	406.46	44.57
3/12/08 2:09	1205.60	44.33	406.38	44.29
3/12/08 2:24	1205.58	43.22	406.36	43.19
3/12/08 2:39	1205.58	42.52	406.32	42.47
3/12/08 2:54	1205.53	42.24	406.30	42.16
3/12/08 3:09	1205.54	42.42	406.31	42.32
3/12/08 3:24	1205.49	42.55	406.27	42.46
3/12/08 3:39	1205.43	42.40	406.21	42.34
3/12/08 3:54	1205.40	42.15	406.15	42.11
3/12/08 4:09	1205.40	41.52	406.14	41.52
3/12/08 4:24	1205.36	40.82	406.13	40.80
3/12/08 4:39	1205.37	40.28	406.10	40.25
3/12/08 4:54	1205.34	39.83	406.08	39.75
3/12/08 5:09	1205.31	39.54	406.04	39.50
3/12/08 5:24	1205.27	39.11	406.01	39.03
3/12/08 5:39	1205.27	38.79	405.97	38.71
3/12/08 5:54	1205.22	38.32	405.94	38.28
3/12/08 6:09	1205.25	37.47	405.96	37.45
3/12/08 6:24	1205.25	36.40	405.94	36.35

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
3/12/08 6:39	1205.25	36.59	405.98	36.40
3/12/08 6:54	1205.21	36.81	405.89	36.70
3/12/08 7:09	1205.15	37.08	405.90	36.92
3/12/08 7:24	1205.09	37.22	405.83	37.18
3/12/08 7:39	1205.03	36.94	405.77	36.88
3/12/08 7:54	1205.01	36.79	405.76	36.73
3/12/08 8:09	1205.01	36.59	405.75	36.55
3/12/08 8:24	1204.97	38.15	405.73	37.92
3/12/08 8:39	1204.88	40.43	405.70	40.36
3/12/08 8:54	1204.68	44.18	405.60	43.83
3/12/08 9:09	1204.58	47.62	405.51	47.42
3/12/08 9:24	1204.48	51.90	405.44	51.80
3/12/08 9:39	1204.52	53.24	405.43	53.30
3/12/08 9:54	1204.52	53.40	405.35	53.61
3/12/08 10:09	1204.47	55.39	405.38	55.26
3/12/08 10:24	1204.44	57.07	405.31	57.09
3/12/08 10:39	1204.27	60.35	405.22	60.34
3/12/08 10:54	1204.30	61.54	405.18	61.46
3/12/08 11:09	1204.18	65.04	405.13	64.85
3/12/08 11:24	1204.24	65.43	405.07	65.79
3/12/08 11:39	1204.21	66.41	405.06	66.40
3/12/08 11:54	1204.16	70.37	405.04	70.30
3/12/08 12:09	1204.05	72.64	405.00	72.45
3/12/08 12:24	1204.09	73.83	404.95	73.76
3/12/08 12:39	1204.03	77.34	404.91	77.00
3/12/08 12:54	1204.03	78.54	404.87	78.48
3/12/08 13:09	1204.10	76.87	404.88	76.68
3/12/08 13:24	1204.00	79.92	404.81	79.45
3/12/08 13:39	1203.98	81.61	404.78	81.23
3/12/08 13:54	1204.06	78.09	404.77	78.40
3/12/08 14:09	1203.97	80.86	404.74	80.42
3/12/08 14:24	1203.97	82.68	404.77	82.19
3/12/08 14:39	1203.95	84.13	404.69	83.48
3/12/08 14:54	1203.95	83.18	404.62	83.07
3/12/08 15:09	1203.97	83.92	404.67	83.48
3/12/08 15:24	1203.94	83.97	404.62	83.62
3/12/08 15:39	1203.86	85.24	404.66	84.61
3/12/08 15:54	1203.86	86.95	404.63	86.17
3/12/08 16:09	1203.90	87.92	404.57	87.22
3/12/08 16:24	1203.85	88.13	404.56	87.66
3/12/08 16:39	1203.93	88.16	404.56	87.53

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
3/12/08 16:54	1203.83	88.28	404.52	87.99
3/12/08 17:09	1203.85	86.40	404.51	86.00
3/12/08 17:24	1203.85	87.49	404.51	87.07
3/12/08 17:39	1203.77	87.85	404.46	87.16
3/12/08 17:54	1203.82	84.00	404.40	83.48
3/12/08 18:09	1203.79	81.99	404.41	81.41
3/12/08 18:24	1203.77	80.78	404.38	80.31
3/12/08 18:39	1203.74	78.91	404.35	78.91
3/12/08 18:54	1203.68	77.52	404.35	77.45
3/12/08 19:09	1203.64	76.93	404.35	76.86
3/12/08 19:24	1203.67	75.64	404.31	75.60
3/12/08 19:39	1203.65	74.25	404.32	74.19
3/12/08 19:54	1203.63	72.34	404.31	72.29
3/12/08 20:09	1203.66	70.42	404.29	70.35
3/12/08 20:24	1203.65	67.92	404.29	67.83
3/12/08 20:39	1203.64	66.04	404.28	65.88
3/12/08 20:54	1203.60	64.43	404.24	64.24
3/12/08 21:09	1203.59	63.02	404.28	62.85
3/12/08 21:24	1203.56	61.75	404.30	61.53
3/12/08 21:39	1203.53	61.61	404.26	61.34
3/12/08 21:54	1203.50	61.37	404.25	61.16
3/12/08 22:09	1203.48	61.13	404.24	60.92
3/12/08 22:24	1203.49	60.18	404.20	60.05
3/12/08 22:39	1203.51	58.50	404.20	58.40
3/12/08 22:54	1203.57	56.50	404.24	56.34
3/12/08 23:09	1203.55	54.99	404.22	54.93
3/12/08 23:24	1203.60	53.68	404.27	53.36
3/12/08 23:39	1203.47	55.56	404.21	55.32
3/12/08 23:54	1203.40	55.58	404.17	55.44

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
3/13/08 0:09	1203.39	55.05	404.15	54.95
3/13/08 0:24	1203.41	53.61	404.16	53.53
3/13/08 0:39	1203.41	52.77	404.12	52.67
3/13/08 0:54	1203.42	52.03	404.11	51.94
3/13/08 1:09	1203.44	51.37	404.09	51.23
3/13/08 1:24	1203.36	51.04	404.09	50.94
3/13/08 1:39	1203.39	50.34	404.08	50.24
3/13/08 1:54	1203.37	49.50	404.09	49.38
3/13/08 2:09	1203.34	49.08	404.07	48.97
3/13/08 2:24	1203.39	48.02	404.05	47.90
3/13/08 2:39	1203.41	46.27	404.08	46.23
3/13/08 2:54	1203.39	45.10	404.03	44.93
3/13/08 3:09	1203.38	44.37	404.03	44.16
3/13/08 3:24	1203.34	45.51	404.06	45.17
3/13/08 3:39	1203.28	45.42	403.97	45.33
3/13/08 3:54	1203.31	44.63	403.97	44.53
3/13/08 4:09	1203.27	44.64	404.01	44.52
3/13/08 4:24	1203.31	43.71	403.95	43.61
3/13/08 4:39	1203.32	42.92	403.94	42.81
3/13/08 4:54	1203.28	42.64	403.94	42.49
3/13/08 5:09	1203.31	41.73	403.91	41.68
3/13/08 5:24	1203.35	41.19	403.92	41.03
3/13/08 5:39	1203.25	41.20	403.94	41.10
3/13/08 5:54	1203.25	40.49	403.89	40.42
3/13/08 6:09	1203.25	39.93	403.89	39.81
3/13/08 6:24	1203.22	39.78	403.88	39.68
3/13/08 6:39	1203.23	39.17	403.86	39.04
3/13/08 6:54	1203.20	39.81	403.85	39.61
3/13/08 7:09	1203.19	40.25	403.83	40.11
3/13/08 7:24	1203.20	40.65	403.83	40.58
3/13/08 7:39	1203.12	40.62	403.80	40.57
3/13/08 7:54	1203.12	40.63	403.75	40.60
3/13/08 8:09	1203.12	40.18	403.76	40.13
3/13/08 8:24	1203.05	41.62	403.75	41.47
3/13/08 8:39	1203.02	41.42	403.71	41.47
3/13/08 8:54	1202.85	45.82	403.68	45.30
3/13/08 9:09	1202.55	52.78	403.57	52.31
3/13/08 9:24	1202.62	55.38	403.53	55.19
3/13/08 9:39	1202.44	60.63	403.42	60.26
3/13/08 9:54	1202.42	65.94	403.34	65.56
3/13/08 10:09	1202.40	69.67	403.30	69.36

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
3/13/08 10:24	1202.43	73.18	403.29	72.89
3/13/08 10:39	1202.42	74.93	403.25	74.57
3/13/08 10:54	1202.47	75.72	403.22	75.32
3/13/08 11:09	1202.46	76.57	403.26	76.14
3/13/08 11:24	1202.50	77.15	403.27	76.62
3/13/08 11:39	1202.50	78.45	403.21	77.88
3/13/08 11:54	1202.45	80.27	403.19	79.57
3/13/08 12:09	1202.48	80.65	403.21	80.05
3/13/08 12:24	1202.49	82.20	403.19	81.45
3/13/08 12:39	1202.53	83.22	403.19	82.52
3/13/08 12:54	1202.51	82.94	403.17	82.18
3/13/08 13:09	1202.50	83.41	403.17	82.64
3/13/08 13:24	1202.48	83.04	403.10	82.24
3/13/08 13:39	1202.43	83.08	403.09	82.29
3/13/08 13:54	1202.41	83.46	403.08	82.67
3/13/08 14:09	1202.46	84.04	403.10	83.09
3/13/08 14:24	1202.43	85.33	403.08	84.34
3/13/08 14:39	1202.44	84.87	403.06	83.88
3/13/08 14:54	1202.32	85.03	402.98	84.09
3/13/08 15:09	1202.43	85.17	403.01	84.13
3/13/08 15:24	1202.31	84.73	402.98	83.89
3/13/08 15:39	1202.35	84.74	402.98	83.87
3/13/08 15:54	1202.34	85.65	403.01	84.69
3/13/08 16:09	1202.30	85.98	402.92	85.27
3/13/08 16:24	1202.31	86.00	402.93	85.38
3/13/08 16:39	1202.32	85.71	402.90	85.29
3/13/08 16:54	1202.30	84.78	402.88	84.26
3/13/08 17:09	1202.26	82.99	402.89	82.63
3/13/08 17:24	1202.32	81.61	402.85	81.36
3/13/08 17:39	1202.31	80.25	402.87	80.06
3/13/08 17:54	1202.27	78.90	402.84	78.74
3/13/08 18:09	1202.32	78.41	402.87	78.08
3/13/08 18:24	1202.23	78.32	402.86	78.11
3/13/08 18:39	1202.18	76.88	402.79	76.82
3/13/08 18:54	1202.21	75.83	402.80	75.79
3/13/08 19:09	1202.20	74.78	402.81	74.81
3/13/08 19:24	1202.17	73.38	402.78	73.45
3/13/08 19:39	1202.21	71.73	402.81	71.68
3/13/08 19:54	1202.21	69.67	402.78	69.53
3/13/08 20:09	1202.21	67.83	402.81	67.65
3/13/08 20:24	1202.21	65.88	402.82	65.64

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
3/13/08 20:39	1202.19	64.53	402.81	64.24
3/13/08 20:54	1202.15	63.11	402.79	62.86
3/13/08 21:09	1202.16	62.21	402.79	61.90
3/13/08 21:24	1202.15	61.27	402.82	61.03
3/13/08 21:39	1202.13	60.07	402.78	59.80
3/13/08 21:54	1202.13	59.36	402.80	59.10
3/13/08 22:09	1202.13	57.98	402.83	57.78
3/13/08 22:24	1202.19	56.39	402.81	56.11
3/13/08 22:39	1202.17	55.06	402.84	54.80
3/13/08 22:54	1202.17	54.01	402.79	53.73
3/13/08 23:09	1202.17	53.19	402.82	52.91
3/13/08 23:24	1202.15	52.46	402.81	52.16
3/13/08 23:39	1202.14	51.89	402.79	51.62
3/13/08 23:54	1202.16	50.96	402.82	50.68
3/14/08 0:09	1202.17	51.24	402.84	50.94
3/14/08 0:24	1202.10	50.86	402.79	50.59
3/14/08 0:39	1202.08	50.61	402.77	50.41
3/14/08 0:54	1202.16	49.87	402.76	49.70
3/14/08 1:09	1202.14	49.50	402.81	49.24
3/14/08 1:24	1202.09	50.31	402.80	50.08
3/14/08 1:39	1202.08	50.55	402.79	50.36
3/14/08 1:54	1202.03	50.57	402.75	50.45
3/14/08 2:09	1202.05	50.24	402.72	50.13
3/14/08 2:24	1202.02	50.14	402.70	50.08
3/14/08 2:39	1202.08	49.96	402.73	49.84
3/14/08 2:54	1202.02	49.54	402.66	49.46
3/14/08 3:09	1202.03	48.79	402.70	48.76
3/14/08 3:24	1202.06	47.73	402.66	47.65
3/14/08 3:39	1202.07	48.03	402.72	47.89
3/14/08 3:54	1202.01	48.25	402.70	48.15
3/14/08 4:09	1202.08	46.58	402.66	46.61
3/14/08 4:24	1201.96	47.82	402.70	47.53
3/14/08 4:39	1201.78	52.35	402.60	52.09
3/14/08 4:54	1201.82	54.16	402.57	54.19
3/14/08 5:09	1201.80	53.42	402.52	53.55
3/14/08 5:24	1201.86	52.20	402.54	52.31
3/14/08 5:39	1201.89	50.85	402.52	50.94
3/14/08 5:54	1201.89	50.07	402.56	50.10
3/14/08 6:09	1201.88	49.41	402.54	49.47
3/14/08 6:24	1201.88	48.56	402.53	48.61
3/14/08 6:39	1201.95	47.62	402.53	47.65

TEST PRESSURE

Well Name:	Well No. 2
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35955
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
3/14/08 6:54	1201.91	46.71	402.53	46.71
3/14/08 7:09	1201.98	45.10	402.56	45.20
3/14/08 7:24	1202.01	42.94	402.58	42.94
3/14/08 7:39	1202.00	41.76	402.58	41.66
3/14/08 7:54	1202.00	42.99	402.62	42.77
3/14/08 8:09	1201.85	46.10	402.50	45.85
3/14/08 8:24	1201.66	50.17	402.48	49.92
3/14/08 8:39	1201.54	54.23	402.42	53.94
3/14/08 8:54	1201.45	59.46	402.33	59.17
3/14/08 9:09	1201.42	63.25	402.28	63.09
3/14/08 9:24	1201.37	66.47	402.24	66.37
3/14/08 9:39	1201.35	69.83	402.22	69.69
3/14/08 9:54	1201.41	71.65	402.18	71.55
3/14/08 10:09	1201.36	75.39	402.15	75.14
3/14/08 10:24	1201.34	78.88	402.13	78.68
3/14/08 10:39	1201.37	80.15	402.10	79.86
3/14/08 10:54	1201.39	81.73	402.10	81.50
3/14/08 11:09	1201.42	83.04	402.10	82.64
3/14/08 11:24	1201.43	84.19	402.08	83.70
3/14/08 11:39	1201.44	85.19	402.05	84.71
3/14/08 11:54	1201.45	86.26	402.05	85.69
3/14/08 12:09	1201.43	86.95	402.01	86.40
3/14/08 12:24	1201.39	86.62	401.95	86.07
3/14/08 12:39	1201.46	87.79	402.05	87.08
3/14/08 12:54	1201.45	88.38	402.04	87.70
3/14/08 13:09	1201.42	88.42	402.00	87.78
3/14/08 13:24	1201.43	88.56	402.02	87.84
3/14/08 13:39	1201.49	88.79	402.01	88.01
3/14/08 13:54	1201.48	89.69	402.01	88.85
3/14/08 14:09	1201.46	89.53	401.95	88.73
3/14/08 14:24	1201.47	89.45	401.95	88.53
3/14/08 14:39	1201.46	89.59	401.95	88.72
3/14/08 14:54	1201.30	89.36	401.72	88.57
3/14/08 15:09	1201.31	90.57	402.00	89.67
3/14/08 15:24	1201.33	90.44	401.90	89.70
3/14/08 15:39	1201.46	90.82	401.90	90.04
3/14/08 15:54	1201.37	90.87	402.02	90.12
3/14/08 16:09	1201.15	91.14	400.95	90.36

Appendix D – Sonar Information

SONARWIRE INC.
Depth versus Volume

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1673	465.2	465.2	82.9	82.9
1674	441.5	906.7	78.6	161.5
1675	418.8	1325.5	74.6	236.1
1676	388.9	1714.4	69.3	305.3
1677	360.4	2074.8	64.2	369.5
1678	247.4	2322.2	44.1	413.6
1679	155.7	2477.9	27.7	441.3
1680	53.9	2531.8	9.6	450.9
1681	4.9	2536.8	0.9	451.8
1682	4.5	2541.2	0.8	452.6
1683	4	2545.2	0.7	453.3
1684	4.3	2549.5	0.8	454.1
1685	4.6	2554.1	0.8	454.9
1686	116.1	2670.2	20.7	475.6
1687	376.8	3047	67.1	542.7
1688	363.6	3410.7	64.8	607.5
1689	351.3	3762	62.6	670
1690	345.1	4107.1	61.5	731.5
1691	339.5	4446.5	60.5	792
1692	354.1	4800.6	63.1	855
1693	369.9	5170.5	65.9	920.9
1694	380.2	5550.7	67.7	988.6
1695	391.3	5942	69.7	1058.3
1696	387.3	6329.3	69	1127.3
1697	383.9	6713.2	68.4	1195.7
1698	411.2	7124.4	73.2	1268.9
1699	440.3	7564.8	78.4	1347.3
1700	421.5	7986.3	75.1	1422.4
1701	403.4	8389.6	71.8	1494.3
1702	391.9	8781.5	69.8	1564
1703	381.1	9162.6	67.9	1631.9
1704	373.9	9536.5	66.6	1698.5
1705	367.5	9904	65.5	1764
1706	395.9	10299.9	70.5	1834.5
1707	426.5	10726.4	76	1910.5
1708	442.4	11168.7	78.8	1989.2
1709	458.8	11627.6	81.7	2071
1710	460.2	12087.7	82	2152.9
1711	462.4	12550.1	82.4	2235.3
1712	451.3	13001.4	80.4	2315.6
1713	441	13442.4	78.6	2394.2
1714	437.7	13880.1	78	2472.2
1715	436.9	14317	77.8	2550
1716	130	14447	23.2	2573.1
1717	3.7	14450.7	0.7	2573.8
1718	4.3	14455.1	0.8	2574.6

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1719	5.1	14460.1	0.9	2575.5
1720	5.5	14465.6	1	2576.4
1721	6	14471.6	1.1	2577.5
1722	4.9	14476.5	0.9	2578.4
1723	4	14480.5	0.7	2579.1
1724	72.1	14552.6	12.8	2591.9
1725	224.7	14777.3	40	2632
1726	461.7	15239	82.2	2714.2
1727	783.1	16022.2	139.5	2853.7
1728	784.8	16807	139.8	2993.5
1729	786.6	17593.6	140.1	3133.6
1730	753	18346.7	134.1	3267.7
1731	720.6	19067.3	128.3	3396
1732	577.3	19644.6	102.8	3498.8
1733	450.6	20095.2	80.3	3579.1
1734	315.1	20410.3	56.1	3635.2
1735	205.3	20615.6	36.6	3671.8
1736	145.3	20760.9	25.9	3697.7
1737	97	20857.9	17.3	3715
1738	37.4	20895.3	6.7	3721.6
1739	6.1	20901.3	1.1	3722.7
1740	6.1	20907.4	1.1	3723.8
1741	6.1	20913.5	1.1	3724.9
1742	6.1	20919.6	1.1	3725.9
1743	6.1	20925.7	1.1	3727
1744	6.1	20931.9	1.1	3728.1
1745	6.2	20938	1.1	3729.2
1746	6.2	20944.2	1.1	3730.3
1747	6.2	20950.4	1.1	3731.4
1748	6.2	20956.7	1.1	3732.5
1749	6.3	20962.9	1.1	3733.7
1750	6.3	20969.2	1.1	3734.8
1751	6.3	20975.5	1.1	3735.9
1752	6.3	20981.9	1.1	3737
1753	6.4	20988.3	1.1	3738.2
1754	6.4	20994.7	1.1	3739.3
1755	341.4	21336	60.8	3800.1
1756	242.8	21578.8	43.2	3843.4
1757	161.6	21740.4	28.8	3872.1
1758	58	21798.4	10.3	3882.5
1759	6.4	21804.8	1.1	3883.6
1760	6.2	21811	1.1	3884.7
1761	6	21817.1	1.1	3885.8
1762	5.9	21823	1	3886.8
1763	626.1	22449	111.5	3998.3
1764	897.8	23346.8	159.9	4158.3
1765	1219.7	24566.5	217.2	4375.5
1766	1225.1	25791.7	218.2	4593.7

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1767	1230.8	27022.5	219.2	4812.9
1768	1247	28269.5	222.1	5035
1769	1263.5	29533.1	225	5260.1
1770	1262.4	30795.5	224.9	5484.9
1771	1261.5	32057	224.7	5709.6
1772	1263.3	33320.2	225	5934.6
1773	1265.3	34585.6	225.4	6160
1774	1215.2	35800.8	216.4	6376.4
1775	1167.7	36968.5	208	6584.4
1776	1097.1	38065.6	195.4	6779.8
1777	1029.6	39095.2	183.4	6963.2
1778	886.9	39982.2	158	7121.1
1779	757.4	40739.5	134.9	7256
1780	709.7	41449.2	126.4	7382.4
1781	674.3	42123.5	120.1	7502.5
1782	923.8	43047.3	164.5	7667.1
1783	1226.1	44273.4	218.4	7885.4
1784	1256.6	45530.1	223.8	8109.3
1785	1288.3	46818.4	229.5	8338.7
1786	1296.8	48115.1	231	8569.7
1787	1305.5	49420.6	232.5	8802.2
1788	1368.6	50789.3	243.8	9046
1789	1433.8	52223.1	255.4	9301.3
1790	1516.8	53739.9	270.2	9571.5
1791	1602.9	55342.8	285.5	9857
1792	1647	56989.8	293.3	10150.3
1793	1692.1	58681.8	301.4	10451.7
1794	1691.9	60373.8	301.3	10753
1795	1692.4	62066.2	301.4	11054.5
1796	1674.7	63740.9	298.3	11352.7
1797	1658	65398.9	295.3	11648
1798	1664.4	67063.2	296.4	11944.5
1799	1671.2	68734.5	297.7	12242.1
1800	1671.6	70406.1	297.7	12539.9
1801	1672.5	72078.6	297.9	12837.8
1802	1662.7	73741.3	296.1	13133.9
1803	1653.6	75394.9	294.5	13428.4
1804	1573.3	76968.2	280.2	13708.6
1805	1499.3	78467.4	267	13975.7
1806	1342.5	79810	239.1	14214.8
1807	1198.4	81008.4	213.5	14428.2
1808	1347.6	82356	240	14668.2
1809	1506.4	83862.5	268.3	14936.5
1810	1468.6	85331	261.6	15198.1
1811	1432.3	86763.3	255.1	15453.2
1812	1369	88132.4	243.8	15697.1
1813	1308.7	89441	233.1	15930.1
1814	1207.3	90648.4	215	16145.2

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1815	1112	91760.4	198.1	16343.2
1816	964.7	92725.1	171.8	16515.1
1817	828.4	93553.5	147.5	16662.6
1818	950.2	94503.7	169.2	16831.8
1819	1087.7	95591.3	193.7	17025.5
1820	1354.1	96945.5	241.2	17266.7
1821	1659.6	98605	295.6	17562.3
1822	2021.9	100626.9	360.1	17922.4
1823	2422.1	103049	431.4	18353.8
1824	2419.4	105468.4	430.9	18784.7
1825	2417.1	107885.5	430.5	19215.2
1826	2362.2	110247.7	420.7	19636
1827	2308.5	112556.2	411.2	20047.1
1828	2357.5	114913.7	419.9	20467
1829	2411.7	117325.4	429.5	20896.6
1830	2373.3	119698.8	422.7	21319.3
1831	2345.4	122044.2	417.7	21737
1832	2511.3	124555.5	447.3	22184.3
1833	2693.3	127248.8	479.7	22664
1834	2436.9	129685.7	434	23098
1835	2201.9	131887.7	392.2	23490.2
1836	1516.8	133404.5	270.2	23760.4
1837	964.7	134369.2	171.8	23932.2
1838	800.1	135169.3	142.5	24074.7
1839	653.5	135822.8	116.4	24191.1
1840	199.7	136022.5	35.6	24226.7
1841	7.6	136030.1	1.4	24228
1842	8.5	136038.7	1.5	24229.5
1843	2054.4	138093.1	365.9	24595.4
1844	3844.7	141937.8	684.8	25280.2
1845	4068.9	146006.6	724.7	26004.9
1846	4244.2	150250.9	755.9	26760.8
1847	4387.1	154638	781.4	27542.2
1848	4518.4	159156.4	804.8	28347
1849	4594.5	163750.9	818.3	29165.3
1850	4671.9	168422.7	832.1	29997.4
1851	4705.3	173128	838	30835.4
1852	4759	177886.9	847.6	31683
1853	4794.8	182681.8	854	32537
1854	4811.8	187493.6	857	33394.1
1855	4851.7	192345.3	864.1	34258.2
1856	4915.7	197261	875.5	35133.7
1857	5024.1	202285	894.8	36028.5
1858	5102.1	207387.1	908.7	36937.2
1859	5170.3	212557.4	920.9	37858.1
1860	5196.6	217754	925.6	38783.7
1861	5222.1	222976.1	930.1	39713.8
1862	5238.1	228214.2	932.9	40646.7

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1863	5269.2	233483.4	938.5	41585.2
1864	5322	238805.5	947.9	42533.1
1865	5351.8	244157.2	953.2	43486.3
1866	5335.4	249492.6	950.3	44436.6
1867	5255.3	254747.9	936	45372.6
1868	5189.6	259937.5	924.3	46296.9
1869	5116.6	265054.1	911.3	47208.2
1870	5037.2	270091.3	897.2	48105.3
1871	4960.8	275052.1	883.6	48988.9
1872	4894.1	279946.2	871.7	49860.6
1873	4869.2	284815.4	867.2	50727.8
1874	4842.1	289657.5	862.4	51590.2
1875	4864.4	294521.9	866.4	52456.6
1876	4805.7	299327.6	855.9	53312.6
1877	4800.8	304128.3	855.1	54167.6
1878	4860.5	308988.8	865.7	55033.3
1879	4846.8	313835.7	863.3	55896.6
1880	4773.9	318609.6	850.3	56746.8
1881	4720.3	323329.9	840.7	57587.5
1882	4722.6	328052.5	841.1	58428.7
1883	5554.5	333607.1	989.3	59418
1884	8106.2	341713.3	1443.8	60861.8
1885	9575.9	351289.2	1705.5	62567.3
1886	9863.3	361152.5	1756.7	64324
1887	10167.3	371319.8	1810.9	66134.9
1888	10461	381780.7	1863.2	67998.1
1889	10704	392484.8	1906.5	69904.6
1890	10787.7	403272.4	1921.4	71825.9
1891	10839.8	414112.2	1930.6	73756.6
1892	10977.6	425089.8	1955.2	75711.8
1893	11003.8	436093.6	1959.9	77671.6
1894	11041.8	447135.4	1966.6	79638.3
1895	11134.6	458270	1983.1	81621.4
1896	11157.6	469427.6	1987.2	83608.7
1897	11192.8	480620.3	1993.5	85602.2
1898	11313.8	491934.1	2015.1	87617.3
1899	11266.2	503200.3	2006.6	89623.9
1900	11260	514460.3	2005.5	91629.3
1901	11294.5	525754.7	2011.6	93641
1902	11387.7	537142.4	2028.2	95669.2
1903	11304	548446.5	2013.3	97682.5
1904	11408.7	559855.2	2032	99714.5
1905	11559	571414.2	2058.8	101773.3
1906	11548.4	582962.6	2056.9	103830.1
1907	11649.3	594611.9	2074.8	105905
1908	11839.9	606451.8	2108.8	108013.7
1909	11971.2	618423	2132.2	110145.9
1910	11839.2	630262.3	2108.7	112254.6

WESTERN REFINING
STORAGE WELL NO. 2

JAL, NM
Fri, Mar 07, 2008

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
1911	11788.2	642050.5	2099.6	114354.2
1912	11566.9	653617.4	2060.1	116414.3
1913	11361.9	664979.3	2023.6	118437.9
1914	11247.4	676226.6	2003.2	120441.2
1915	11018.1	687244.8	1962.4	122403.6
1916	10314.6	697559.4	1837.1	124240.7
1917	9979.5	707538.9	1777.4	126018.1
1918	9647.7	717186.6	1718.3	127736.5
1919	9031.8	726218.4	1608.6	129345.1
1920	8283	734501.3	1475.3	130820.4
1921	7835.9	742337.2	1395.6	132216
1922	7824.8	750162	1393.7	133609.6
1923	6795.4	756957.5	1210.3	134820
1924	6669.1	763626.6	1187.8	136007.8
1925	6928.9	770555.5	1234.1	137241.9
1926	5551.9	776107.4	988.8	138230.7
1927	10420	786527.4	1855.9	140086.6
1928	4688.5	791215.9	835.1	140921.7
1929	5165.4	796381.3	920	141841.7
1930	4106.3	800487.7	731.4	142573
1931	4007.4	804495.1	713.7	143286.8
1932	2679	807174	477.1	143763.9
1933	1638.2	808812.3	291.8	144055.7
1934	1165.5	809977.8	207.6	144263.3
1935	752	810729.8	133.9	144397.2
1936	256.7	810986.5	45.7	144442.9

Appendix E – Well Logs

Chavez, Carl J, EMNRD

From: Tadd Busch [tadd@lonquist.com]
Sent: Tuesday, May 20, 2008 2:16 PM
To: Chavez, Carl J, EMNRD
Cc: 'Eric Busch'
Subject: N2 CAL
Attachments: NMOCD Well No 1 Calculations.pdf; NMOCD PASS-Fail Well 1.xls; NMOCD Well No 2 Calculations.pdf; NMOCD PASS-Fail Well 2.xls; NMOCD Well No 3 Calculations.pdf; NMOCD PASS-Fail Well 3.xls; NMOCD Well No 4 Calculations.pdf; NMOCD PASS-Fail Well 4.xls; Nitrogen Table.pdf

Mr. Carl Chavez-

Below are the dates that the last MITs were completed on each well for Western Refining. I have attached the calculations that the NMOCD uses as the pass/fail criteria for wells in New Mexico in conjunction with the table used to find the conversion from scf to bbls at depth and pressure. The hard copies will be sent out tomorrow, if you have any questions please contact me at (701)-306 8580.

Well No. 1 -- MIT Completed on April 25th, 2008
Well No. 2 -- MIT Completed on March 14th, 2008
Well No. 3 -- MIT Completed on August 19th, 2007
Well No. 4 -- MIT Completed on August 19th, 2007

Regards,

**Tadd J Busch**

Underground Storage Engineer
Lonquist Field Service
1001 McKinney Suite 1445
Houston, Texas 77002
(701) 306-8580 Mobile
(713) 559-9952 Main
(713) 559-9959 Fax
tadd@lonquistfieldservice.com
www.lonquist.com

LONQUIST

From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Monday, May 19, 2008 4:33 PM
To: Tadd Busch
Subject: RE: n2 CAL

Thanks Tadd. Please provide your sheets with assumptions for each LPG well to me for evaluation. You are really on top of the test results and I just need to check your assumptions based on the tests to confirm Western Refining LP's preliminary finding that the wells passed. Also, if you could provide the date that the tests were run on each of the LPG wells as the OCD is working on a discharge permit that will list the approximate date of the

5/20/2008

From: Tadd Busch [mailto:tadd@lonquist.com]
Sent: Monday, May 19, 2008 2:43 PM
To: Chavez, Carl J, EMNRD
Subject: RE: n2 CAL

This works its imbedded in the email from Mr. Price but I thing it will be fine. I will include the calcs in the two reports LFS has yet to file along with checking them against the two previously filed.

Regards,



Tadd J Busch
Underground Storage Engineer
Lonquist Field Service
1001 McKinney Suite 1445
Houston, Texas 77002
(701) 306-8580 Mobile
(713) 559-9952 Main
(713) 559-9959 Fax
tadd@lonquistfieldservice.com
www.lonquist.com



From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Monday, May 19, 2008 12:41 PM
To: Tadd Busch
Subject: FW: n2 CAL

Here it is Tadd. This one should work. Thanks.

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) 476-3491
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")

From: Price, Wayne, EMNRD
Sent: Tuesday, March 25, 2008 1:06 PM
To: Chavez, Carl J, EMNRD
Subject: n2 CAL

spread sheet for calculating pass-fail- enter data only in the green otherwise you can wipe out the formulas. I only use this if there is a noted drop in the chart.

Wayne Price-Environmental Bureau Chief

5/20/2008

Western Refining Company – Well No 1

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 1 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_I) - \left(V_I * \frac{P_F}{P_S} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr = **0.0098 BBLs/Hr**

P_I = 1085.97 psi

P_F = 1079.59 psi

V_I = 39.95 BBLs

T_L = 24 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0098 < 0.11$$

Well No. 1 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 1

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1085.97

Input stop pressure (psig) 1079.59

Input volume in BBL's *** 39.95

Length of test in hours 24

*** N₂ SCF divided by compressibility number for

*** Example: 20,000 scf / 111 = 180 bbls of N₂

Ans Loss in BBL's/hour 0.009779

$<V_1 - V_1(P_f/P_s)>/\text{time}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 72.18

72.18

Input T2 Deg F 72.24

72.24

Set V1=V2 -----

Input P1 PSIG 1085.97

Solve P2 PSIG 1086.093

Western Refining Company – Well No 2

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 2 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_I) - \left(V_I * \frac{P_F}{P_S} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr	=	0.0138 BBLs/Hr
P _I	=	1208.21 psi
P _F	=	1201.19 psi
V _I	=	183.88 BBLs (Sonar Volume)
T _L	=	77.5 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$\mathbf{0.0138 < 0.11}$$

Well No. 2 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 2

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1208.21

Input stop pressure (psig) 1201.19

Input volume in BBL's *** 183.88

*** Number taken from Sonar information

Length of test in hours 77.5

Ans Loss in BBL's/hour 0.013786

$\frac{V_1 - V_1(P_f/P_s)}{\text{time}}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume FT³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 70.52

72.18

Input T2 Deg F 70.66

72.24

Set V1=V2

Input P1 PSIG 1208.21

Solve P2 PSIG 1208.529

Western Refining Company – Well No 3

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 3 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_I) - \left(V_I * \frac{P_F}{P_I} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr = **0.0215 BBLs/Hr**

P_I = 1177.57 psi

P_F = 1166.45 psi

V_I = 109.45 BBLs (Calculated Volume)

T_L = 48 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$\mathbf{0.0215 < 0.11}$$

Well No. 3 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 3

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1177.57

Input stop pressure (psig) 1166.45

Input volume in BBL's *** 109.45

Length of test in hours 48

*** N₂ SCF divided by compressibility number for

*** Example: 20,000 scf / 111 = 180 bbls of N₂

Ans: Loss in BBL's/hour 0.021532

$\frac{V_1 - V_2(P_f/P_s)}{\text{time}}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 66.65

72.18

Input T2 Deg F 65.54

72.24

Set V1=V2 -----

Input P1 PSIG 1177.57

Solve P2 PSIG 1175.087

Western Refining Company – Well No 4

Calculations

The purpose in these calculations is to prove that Western Refining Well No. 4 meets the additional test requirements set forth by the New Mexico Oil Conservation Division.

In order to meet these guidelines calculated loss must be less than the maximum allowable losses stated below:

Loss allowed in BBLs/Year: **1000 BBLs/Year**

Loss allowed in BBLs/Day: **2.74 BBLs/Day**

Loss allowed in BBLs/Hour: **0.11 BBLs/Hr**

$$BBLs / Hr = \left(\frac{\left[(V_I) - \left(V_I * \frac{P_F}{P_I} \right) \right]}{[T_L]} \right)$$

Where:

Loss in BBLs/Hr = **0.0173 BBLs/Hr**

P_I = 1187.41 psi

P_F = 1182.41 psi

V_I = 197.51 BBLs (Calculated Volume)

T_L = 48 Hours

Therefore: Calculated loss < Allowable loss = Pass

$$0.0173 < 0.11$$

Well No. 4 at the Western Refinery in Jal, NM meets the requirements for storage of liquid petroleum products according to the New Mexico Oil Conservation Division guidelines.

Western Refining Well No. 4

Nitrogen Brine Well Test

Loss allowed in BBL's/year 1000

Loss allowed in BBL's/day 2.74

Loss allowed in BBL's/hour 0.11

Input start pressure (psig) 1187.41

Input stop pressure (psig) 1182.41

Input volume in BBL's *** 197.51

Length of test in hours 48

*** N₂ SCF divided by compressibility number for

*** Example: 20,000 scf / 111 = 180 bbls of N₂

Ans Loss in BBL's/hour 0.017327

$<V_1 - V_1(P_f/P_s)>/\text{time}$

Ideal Gas Law for N₂

$PV=nRT$

$(P_1 \cdot V_1)/T_1 = (P_2 \cdot V_2)/T_2$

P in PSIG

V in Ft³

T in degree

Temp R⁰ = 459.69 + F⁰

P = pressure psig

V = Volume Ft³

n = number of moles

R = 55.15 constant for N₂

MW of N₂ is 28.016

Input T1 Deg F 66.1

72.18

Input T2 Deg F 69.6

72.24

Set V1=V2 -----

Input P1 PSIG 1187.41

Solve P2 PSIG 1195.314

TABLE II

PRESSURE FACTOR FOR DETERMINING STANDARD VOLUME OF N₂ IN TUBULARS*
(SCF OF N₂/FT³ TUBING)

WELLHEAD PRESSURE IN PSIA	DEPTH IN FEET									
	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
100	6.666	6.678	6.690	6.701	6.712	6.723	6.733	6.744	6.754	6.764
200	13.342	13.363	13.383	13.403	13.423	13.442	13.460	13.478	13.496	13.514
300	20.023	20.051	20.077	20.103	20.128	20.153	20.177	20.200	20.223	20.245
400	26.704	26.736	26.767	26.796	26.824	26.852	26.878	26.904	26.929	26.954
500	33.382	33.416	33.448	33.478	33.507	33.534	33.560	33.586	33.611	33.635
600	40.052	40.085	40.116	40.144	40.171	40.196	40.220	40.242	40.264	40.286
700	46.710	46.740	46.766	46.790	46.812	46.833	46.851	46.869	46.885	46.901
800	53.351	53.375	53.395	53.413	53.428	53.440	53.451	53.461	53.470	53.478
900	59.972	59.987	59.999	60.007	60.012	60.015	60.016	60.015	60.014	60.012
1000	66.567	66.572	66.573	66.569	66.562	66.553	66.541	66.528	66.513	66.499
1100	73.134	73.126	73.112	73.095	73.074	73.049	73.023	72.994	72.965	72.936
1200	79.667	79.643	79.614	79.581	79.543	79.501	79.458	79.412	79.366	79.320
1300	86.162	86.121	86.075	86.022	85.965	85.905	85.842	85.777	85.712	85.647
1400	92.616	92.556	92.489	92.416	92.338	92.256	92.172	92.086	91.999	91.913
1500	99.025	98.943	98.854	98.758	98.657	98.552	98.445	98.335	98.225	98.116
1600	105.386	105.280	105.166	105.046	104.920	104.790	104.656	104.522	104.387	104.254
1700	111.693	111.562	111.422	111.275	111.122	110.965	110.805	110.643	110.481	110.322
1800	117.944	117.785	117.617	117.442	117.261	117.075	116.886	116.696	116.506	116.318
1900	124.135	123.947	123.750	123.545	123.333	123.117	122.897	122.677	122.457	122.240
2000	130.263	130.045	129.816	129.579	129.336	129.088	128.837	128.585	128.334	128.086
2100	136.325	136.074	135.813	135.543	135.267	134.985	134.701	134.416	134.133	133.853
2200	142.317	142.033	141.738	141.434	141.123	140.807	140.489	140.170	139.852	139.540
2300	148.237	147.918	147.587	147.248	146.902	146.550	146.196	145.842	145.490	145.144
2400	154.081	153.726	153.359	152.984	152.601	152.213	151.823	151.432	151.045	150.663
2500	159.848	159.455	159.052	158.638	158.218	157.793	157.366	156.938	156.514	156.097
2600	165.534	165.103	164.662	164.210	163.752	163.289	162.823	162.353	161.897	161.443
2700	171.137	170.668	170.187	169.697	169.200	168.698	168.194	167.691	167.192	166.701
2800	176.654	176.146	175.626	175.097	174.560	174.019	173.476	172.934	172.397	171.869
2900	182.084	181.537	180.977	180.408	179.832	179.251	178.669	178.088	177.513	176.946
3000	187.425	186.837	186.238	185.629	185.013	184.393	183.771	183.151	182.536	181.932
3100	192.674	192.047	191.408	190.759	190.103	189.442	188.781	188.121	187.468	186.826
3200	197.831	197.164	196.484	195.795	195.099	194.399	193.698	192.999	192.307	191.650
3300	202.893	202.186	201.467	200.738	200.002	199.262	198.521	197.780	197.059	196.363
3400	207.860	207.113	206.354	205.585	204.810	204.030	203.224	202.440	201.683	200.953
3500	212.729	211.943	211.145	210.337	209.523	208.654	207.806	206.986	206.196	205.437
3600	217.500	216.675	215.839	214.992	214.068	213.160	212.278	211.428	210.610	209.824
3700	222.172	221.309	220.435	219.473	218.511	217.570	216.659	215.781	214.938	214.128
3800	226.745	225.844	224.892	223.886	222.887	221.915	220.975	220.071	219.203	218.370
3900	231.216	230.404	229.357	228.290	227.246	226.235	225.263	224.330	223.434	222.576
4000	235.587	234.719	233.635	232.539	231.467	230.431	229.435	228.479	227.562	226.682
4100	240.685	239.377	238.130	236.939	235.801	234.715	233.677	232.684	231.735	230.826
4200	244.884	243.548	242.274	241.058	239.896	238.788	237.728	236.714	235.744	234.815
4300	249.026	247.664	246.364	245.123	243.939	242.807	241.725	240.690	239.700	238.751
4400	253.113	251.724	250.399	249.134	247.926	246.773	245.669	244.614	243.604	242.636
4500	257.146	255.730	254.380	253.092	251.862	250.686	249.562	248.486	247.456	246.469
4600	261.126	259.685	258.310	256.998	255.745	254.548	253.404	252.308	251.259	250.253
4700	265.054	263.587	262.188	260.854	259.579	258.361	257.196	256.080	255.012	253.987
4800	268.931	267.439	266.017	264.659	263.363	262.124	260.939	259.804	258.717	257.674
4900	272.758	271.242	269.796	268.416	267.099	265.839	264.635	263.481	262.375	261.314
5000	276.536	274.996	273.527	272.126	270.787	269.508	268.284	267.111	265.987	264.909
5100	280.266	278.702	277.211	275.788	274.429	273.130	271.887	270.696	269.554	268.458
5200	283.949	282.362	280.849	279.405	278.026	276.707	275.445	274.236	273.077	271.963
5300	287.586	285.976	284.441	282.976	281.577	280.240	278.959	277.733	276.556	275.425
5400	291.177	289.545	287.989	286.504	285.085	283.729	282.430	281.186	279.992	278.845
5500	294.724	293.070	291.493	289.988	288.550	287.175	285.859	284.598	283.387	282.224
5600	298.227	296.552	294.954	293.429	291.973	290.580	289.247	287.968	286.741	285.561
5700	301.687	299.991	298.373	296.829	295.354	293.944	292.593	291.298	290.055	288.859
5800	305.106	303.388	301.751	300.188	298.695	297.267	295.900	294.588	293.329	292.118
5900	308.483	306.745	305.088	303.507	301.996	300.551	299.167	297.840	296.565	295.338
6000	311.819	310.062	308.386	306.787	305.258	303.796	302.396	301.053	299.763	298.521

*Temperature = 74°F + 0.016°F/Ft.

Well File Search - Select API Number to View

Please select the API Number you wish to view from the list below by clicking the radio button next to the API Number. Then click the "Continue" button to see the thumbnails for the API you selected.

The search results are broken out by groups of 25 on each page. Switching pages can be done by clicking the "Next 25" or "Previous 25" links.

2 Records Found

Displaying Screen 1 of 1

- | API Number | ULSTR | Footages |
|---|---------------|--------------------|
| ☒ 3002523466 | B -35-24S-37E | 660 FNL & 2310 FEL |
| Well Name & Number: C C FRISTOE B FEDERAL NCT-2 No. 014 | | |
| Operator: CHEVRON U S A INC | | |
| ☐ 3002534010 | B -35-24S-37E | 330 FNL & 1650 FEL |
| Well Name & Number: C C FRISTOE B FEDERAL NCT-2 No. 021 | | |
| Operator: CHEVRON U S A INC | | |

2 Records Found

Displaying Screen 1 of 1

[Continue](#)

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MECHANICAL INTEGRITY TEST REPORT

Western Refining Company, LP

Well No. 3

API No. 30-025-35956

Jal, New Mexico, USA

Prepared for:

Western Refining Company, LP

Jal, New Mexico, USA

by:

Lonquist Field Service, LLC

Austin, Texas

October 17, 2007

Western Refining Company, Well No 3 - MIT Report

Executive Summary

Lonquist Field Service, LLC. (LFS) was contracted to conduct a Mechanical Integrity Test on Well No. 3 for Western Refining Company, LP (Western Refining) from August 13-19, 2007. A nitrogen-interface test method was used for this test. Nitrogen was injected into Well No. 3 on August 16, 2006 and there was a stabilization period until August 17, 2007. The well was then shut in for a period of 48 hours to conduct the actual test. After observing the change in the nitrogen interface depth the total volume change was calculated. Using an average temperature and pressure across the effected well depth and by extrapolating the time an annual net loss could be calculated. This calculation yielded a loss of 443.36 bbls of nitrogen per year and a Minimum Detectable Leak Rate (MDLR) 827.46 bbls/year. The well was tested to a test gradient of 0.75 psi/ft at the 9 5/8" casing shoe. Considering these results and the guidelines set forth by the Oil Conservation Division, Well No. 3, at the time of this test, demonstrated the mechanical integrity required for LPG storage.

Western Refining Company, Well No 3 - MIT Report

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Western Refining Company, Well No 3 - MIT Report

Introduction

Lonquist Field Service, LLC (LFS) was contracted to conduct a mechanical integrity test (MIT) for Well No. 3 located at the Jal Station, Jal New Mexico. LFS prepared a MIT procedure according to guidelines set forth by the OCD.

Well No. 3 was tested using the Nitrogen-Brine Interface Test Method (See Appendix A). This procedure begins with an initial injection of nitrogen into the well to check for wellhead and casing leaks. The initial injection is followed by continued injection of nitrogen into the storage well until the interface is located below the casing shoe and a sufficient test pressure has been reached. The interface depth and both the nitrogen (annulus) and brine (tubing) pressure are monitored during the test period. The test is evaluated by calculating the nitrogen mass (volume) at the commencement and completion of the test period. This difference yields an apparent mass (volume) change. As the test occurs over a finite time period, the apparent mass (volume) rate can be calculated and linearly forecasted to an annual rate. The annual mass (volume) rate is usually expressed in barrels of nitrogen per year (at average well pressure and temperature conditions). The mass (volume) rate of change is subject to the accuracy of the test or Minimum Detectable Leak Rate (MDLR), also expressed in barrels per year.

The following report will outline the Nitrogen-Brine Interface Test for Well No. 3. The report includes the cavern and wellbore configuration, pressure trends, temperature logs, and density logs completed during the test.

Western Refining Company, Well No 3 - MIT Report

Summary

On August 16, 2007 nitrogen was injected into Well No. 3 at a rate of 1000 SCFM with a target temperature of 65° F. Nitrogen was pumped into the annulus until the interface was located at a depth of 1630'. A well casing test was completed after the well was shut in for a period of time. The density logs and pressure test did not indicate any appreciable leaks in the well casing and wellhead components.

Nitrogen injection resumed until the nitrogen – brine interface was determined (through density logging) to be below the casing shoe depth of 1666'. The nitrogen – brine interface was established at a depth of 1669' with a nitrogen (annulus) pressure of 1193.57 psig at surface. The brine (tubing) pressure at surface was observed to be 460.33 psig.

After a stabilization period of approximately 16 hours the well was re-logged to determine the interface depth that would be used for the test calculations. At the beginning of the observation period on August 17, 2006 at 10:00 hrs, the nitrogen - brine interface was logged at 1669' (3' below casing shoe). The nitrogen (annulus) pressure was 1177.57 psig and the brine (tubing) pressure was 442.96 psig.

The well was shut in for the duration of the test (approximately 48 hours) which concluded on August 19, 2007 at 10:00 hrs. A density log was again completed to determine the depth of the nitrogen – product interface. The interface was measured at a depth of 1669'. The nitrogen (annulus) pressure was 1166.45 psig and the brine (tubing) pressure was 431.41 psig. The net change in the nitrogen (annulus) pressure was 11.12 psig and the net change in the brine (tubing) pressure was 11.55 psig. The interface depth didn't move.

Western Refining Company, Well No 3 - MIT Report

Conclusions

The mechanical integrity of Well No. 3 was established with a Nitrogen-Brine Interface Test Method. Well No. 3 was initialized with an annulus pressure of 1177.57 psig and tubing pressure of 442.96 psig with the nitrogen-product interface at 1669'. Well No. 3 was finalized with an annulus pressure of 1166.45 psig and a tubing pressure of 431.41 psig with the nitrogen-brine interface at 1669'.

Well No. 3 had a test length of 48 hours and a test gradient of 0.75 psi/ft at the 9 5/8" casing shoe.

The calculated nitrogen leak rate was 443.36 bbls per year which is less than the Minimum Detectable Leak Rate (MDLR) of 827.46 bbls per year.

At the completion of this test, Well No. 3 exhibited the characteristics of a well that has mechanical integrity as required for the storage of liquid petroleum products in accordance with the Oil Conservation Division guidelines.

Western Refining Company, Well No 3 - MIT Report

Daily Activities

August 13th, 2007

The wireline unit was rigged up on Well No. 3 at 10:36 hrs to perform initial temperature and density logs. This trip was also used to set a reference point for the depth of the casing shoe.

August 16th, 2007

At 10:00 the wireline truck was rigged up and at 10:30 hrs nitrogen was injected into the well to do the initial leak test on surface equipment. Nitrogen was injected to do the surface test, after successfully completing this, nitrogen was again injected until the nitrogen/brine interface was below the casing shoe to a depth of 1669'. At 17:49 hrs the pressure was checked and showed the surface nitrogen pressure to be 1193.57 psig and the surface tubing pressure to be 460.33 psig, the well continued to be observed through digital monitoring. The well was allowed to stabilize for 16hrs.

August 17th, 2007

At 8:00 hrs the wireline unit was rigged up and the temperature and density logs were ran to initialize the test. The density log showed the interface to be at a depth of 1669' with a surface nitrogen pressure of 1177.57 psig and a surface tubing pressure at 442.96 psig at 10:01am. The well was shut in and the test period commenced.

August 18th, 2007

Pressure check at 11:04 showed the annulus at 1170.70 psig and the tubing to be at 436.70 psig.

August 31st, 2006

At 10:00 hrs the surface brine pressure was 431.41 psig and the surface nitrogen pressure was 1166.45 psig. A density log was completed and the nitrogen-brine interface was recorded at 1669'. This concluded the test.

Western Refining Company, Well No 3 - MIT Report

Test Participants

Western Refining Company, LP

Ken Parker..... Owners Representative

Lonquist Field Service, LLC

Tadd Busch..... Lonquist Field Service

Gray Wireline

Monte Holmes..... Wireline Operator

BJ Pressure Control

BJ..... Nitrogen Injection

Western Refining Company, Well No 3 - MIT Report

Calculations

Minimum Detectable Leak Rate – MDLR

The test sensitivity is defined at the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	827.46 bbls/year
B _v	=	22.67 bbls/ft (average based on nitrogen injection)
L _R	=	0.20 feet
T _c	=	365 days/year
T _L	=	2 day

Therefore: (22.67 x 0.2 x 365)/2 = **827.46 bbls/year**

Western Refining Company, Well No 3 - MIT Report

Volume Calculations – Borehole below 9 5/8" Cemented Casing

Using the methodology outlined in the MIT procedure the following volumes were calculated:

Initial Wellbore Volume (V_I)

- Annulus Pressure – 1177.57 psig
- Tubing Pressure – 442.96 psig
- Wellbore Temperature – Logged (APPENDIX D)
- Volume
 - 7" X 4 1/2" Annulus – 0.02 bbls/ft (0.11 ft³/ft)
 - 9 5/8" x 4 1/2" Annulus – 0.058 bbls/ft (0.33)
 - Borehole – 22.67 bbls/ft (127.28 ft³/ft)

$$(V_I) = \sum_o^{I/F} (N_2)_i$$

$$V_I = 128,982.18 \text{ SCF}$$

Final Wellbore Volume (V_F)

- Annulus Pressure – 1166.45 psig
- Tubing Pressure – 431.41 psig
- Wellbore Temperature – Logged (APPENDIX D)
- Volume
 - 7" X 4 1/2" Annulus – 0.02 bbls/ft (0.11 ft³/ft)
 - 9 5/8" x 4 1/2" Annulus – 0.058 bbls/ft (0.33)
 - Borehole – 22.67 bbls/ft (127.28 ft³/ft)

$$(V_F) = \sum_o^{I/F} (N_2)_i$$

$$V_F = 127,844.07 \text{ SCF}$$

Borehole Volume Change:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

$$(\Delta V)_{STP} = (1138.11) \text{ SCF}$$

Western Refining Company, Well No 3 - MIT Report

Volume Change:

$$(\Delta V)_{STP} = 1138.11 \text{ SCF}$$

Using the methodology outlined in APPENDIX A:

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB})	=	13.64 ft³
(Z_A)	=	0.9994
(T_A)	=	527.69 °R
R	=	Specific Gas Constant
$(\Delta V)_{STP}$	=	1138.11 SCF
(P_A)	=	1221.71 psi
N_{GC}	=	Nitrogen Gas Conversion (13.8 SCF = 1 lb)

To calculate a annual volume change to compare to the MDLR the following calculations were completed:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(\text{hr} / \text{day}) * 365(\text{day} / \text{yr})]}{T_L}$$

Where:

(ΔV_{ANNUAL})	=	2489.3 ft³/year
(ΔV_{WB})	=	13.64 ft ³
(T_L)	=	48 hours

This is a total of **443.36 bbls/year**.

$$(\text{bbls/year}) = (\Delta V_{ANNUAL}) / 5.6146 \text{ ft}^3$$

Where:

(ΔV_{ANNUAL})	=	2489.3 ft³
1 bbl	=	5.6146 ft ³

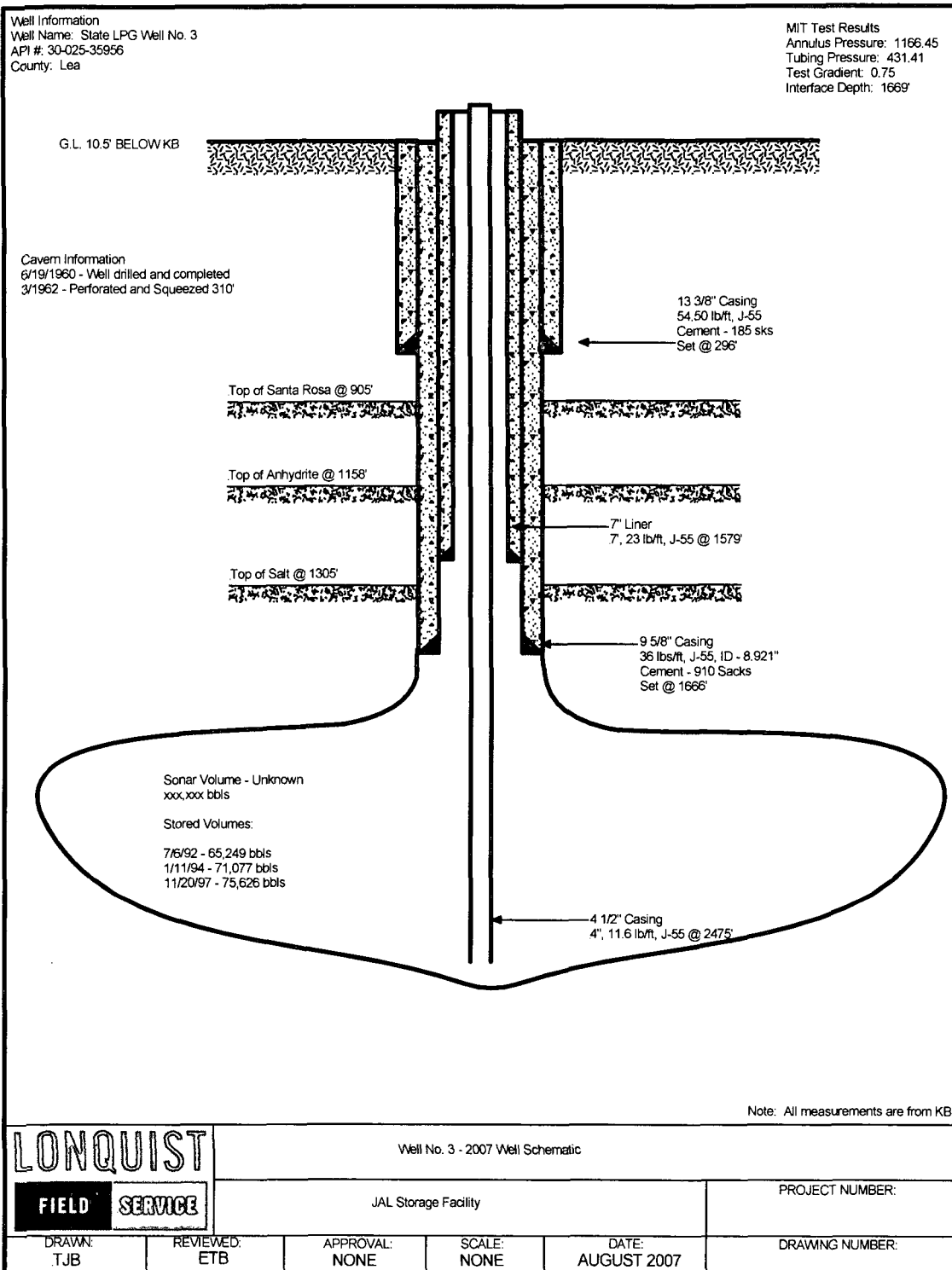
Western Refining Company, Well No 3 - MIT Report

Well Data Sheet

TEST INFORMATION AND RESULTS					
Well Name:	Well No. 3				
Operator:	Western Refinery				
State:	New Mexico				
Parish:	Lea				
Field:	Jal Station				
Serial #:	30-025-35956				
UIC #	0				
WELL INFORMATION					
Cemented Casing			Casing Liner		
Casing Size	9.63	inches	Casing Size	7.00	inches
Casing ID	8.92	inches	Casing ID	6.37	inches
Casing Weight	36.00	lbs/ft	Casing Weight	23.00	lbs/ft
Grade			Grade		
Depth	1666	feet	Depth	1579	feet
Hanging String No. 1			Hanging String No. 2		
Casing Size	4 1/2	inches	Casing Size	0	inches
Casing ID	4	inches	Casing ID	0	inches
Casing Weight	11 3/5	lbs/ft	Casing Weight	0	lbs/ft
Grade			Grade	0	
Depth	2568	feet	Depth	0	feet
Cavern					
Cavern Size					71,725 bbls
Compressibility					0.22 bbls/psi
Cavern TD					640 feet
FINAL TEST INFORMATION					
Effective Casing Shoe	1666	feet	Casing Shoe Pressure	1252.00	psi
Test Gradient	0.75	psi/ft	Interface Pressure	1252.14	psi
Brine Specific Gravity	1.2		Surface Tubing Pressure	384.92	psi
Nitrogen Temperature	65	deg F	Surface Annulus Pressure	1183.08	psi
Interface Depth	1669	feet	Pressure Increase	534.24	psi
Gas Compressibility	0.9997		Conversion	14.70	psi
Volume			Nitrogen		
Annular Volume No. 1	0.020	bbls/ft	Surface to Casing Shoe	16946.22	SCF
Annular Volume No. 2	0.058	bbls/ft	Casing Shoe to Interface	38602.4	SCF
Surface to Liner Shoe	31.101	bbls	Total	55548.62	SCF
Liner Shoe to Casing Shoe	5.015	bbls	Brine		
Casing Shoe to Interface	80	bbls	Cavern Pre-Pressure	-149.31	psi
Total	116.115	bbls	Brine Injection	-32.45	bbls
TEST RESULTS					
Test Initialization Information			Test Finalization Information		
Date	8/17/2007			8/19/2007	
Tubing Pressure	442.96	psig	Tubing Pressure	431.41	psig
Annulus Pressure	1177.57	psig	Annulus Pressure	1166.45	psig
Wellbore Temperature	65	deg F	Wellbore Temperature	65	deg F
Nitrogen/Brine Interface	1669	feet	Nitrogen/Brine Interface	1669	feet
Test Results					
MDLR	827.46	bbls/yr	Test Length	48	hours
Calculated Volume Change	443.36	bbls/yr	Test Length	2	days
Test Gradient	0.75	psi/ft	Logging Resolution	0.2	feet
Tubing Pressure Change	11.55	psi			
Annulus Pressure Change	11.12	psi			

Western Refining Company, Well No 3 - MIT Report

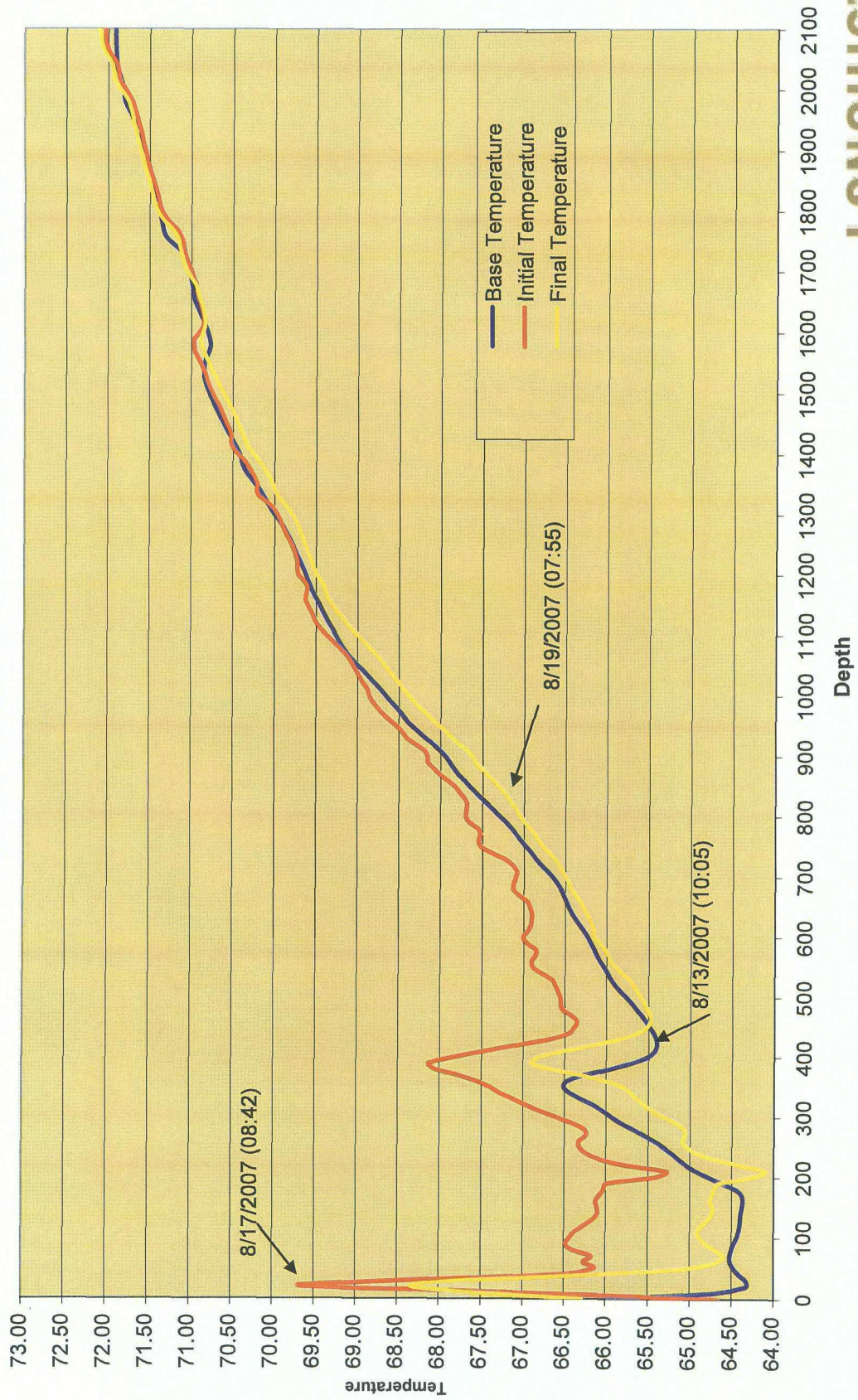
MIT/Well Schematic



Western Refining Company, Well No 3 - MIT Report

Pressure and Temperature Graphs

Well No. 3 - MIT
Wellbore Temperature

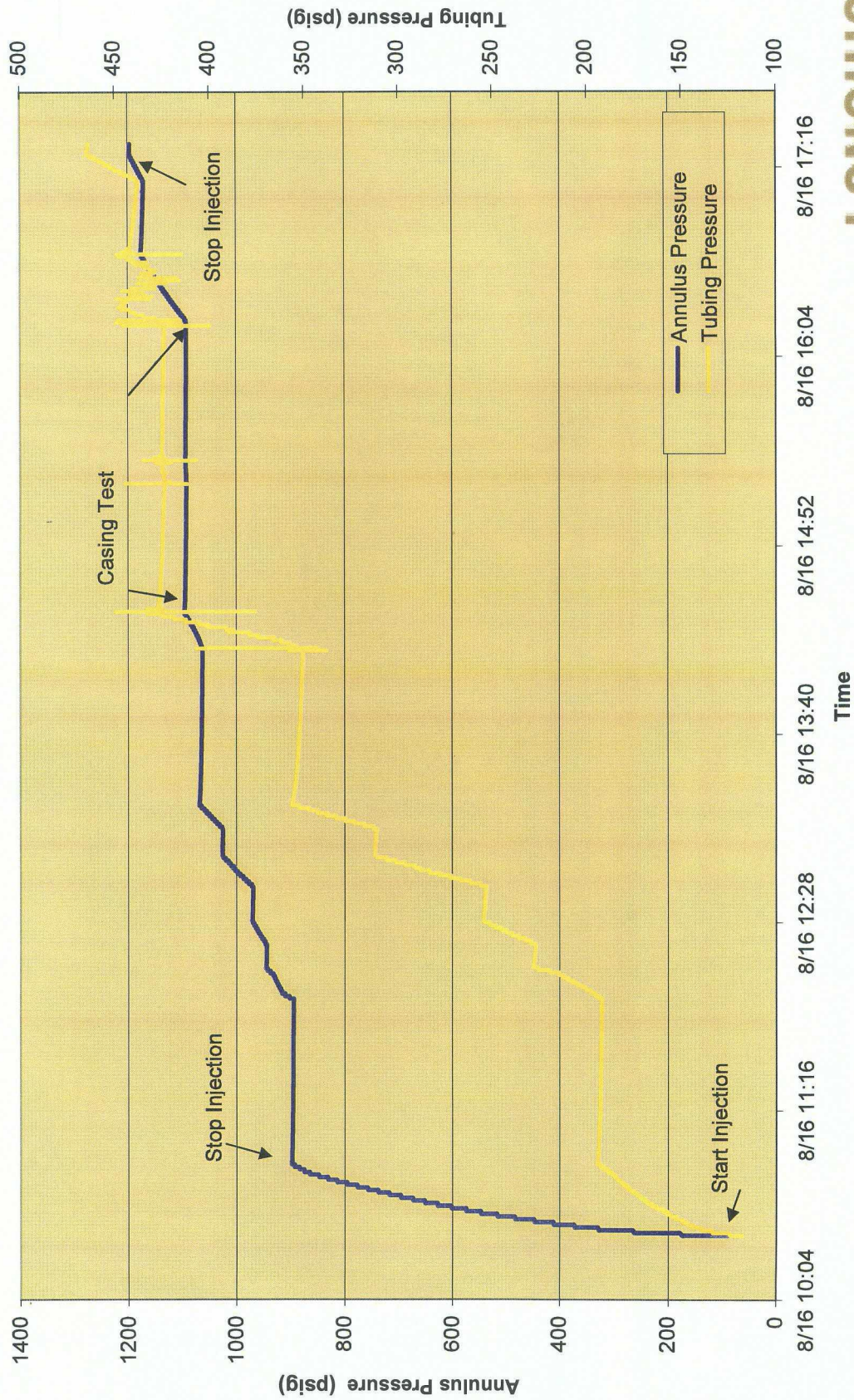


Depth

LONGQUIST

FIELD SERVICE

Well No. 3 - MIT INJECTION PRESSURES

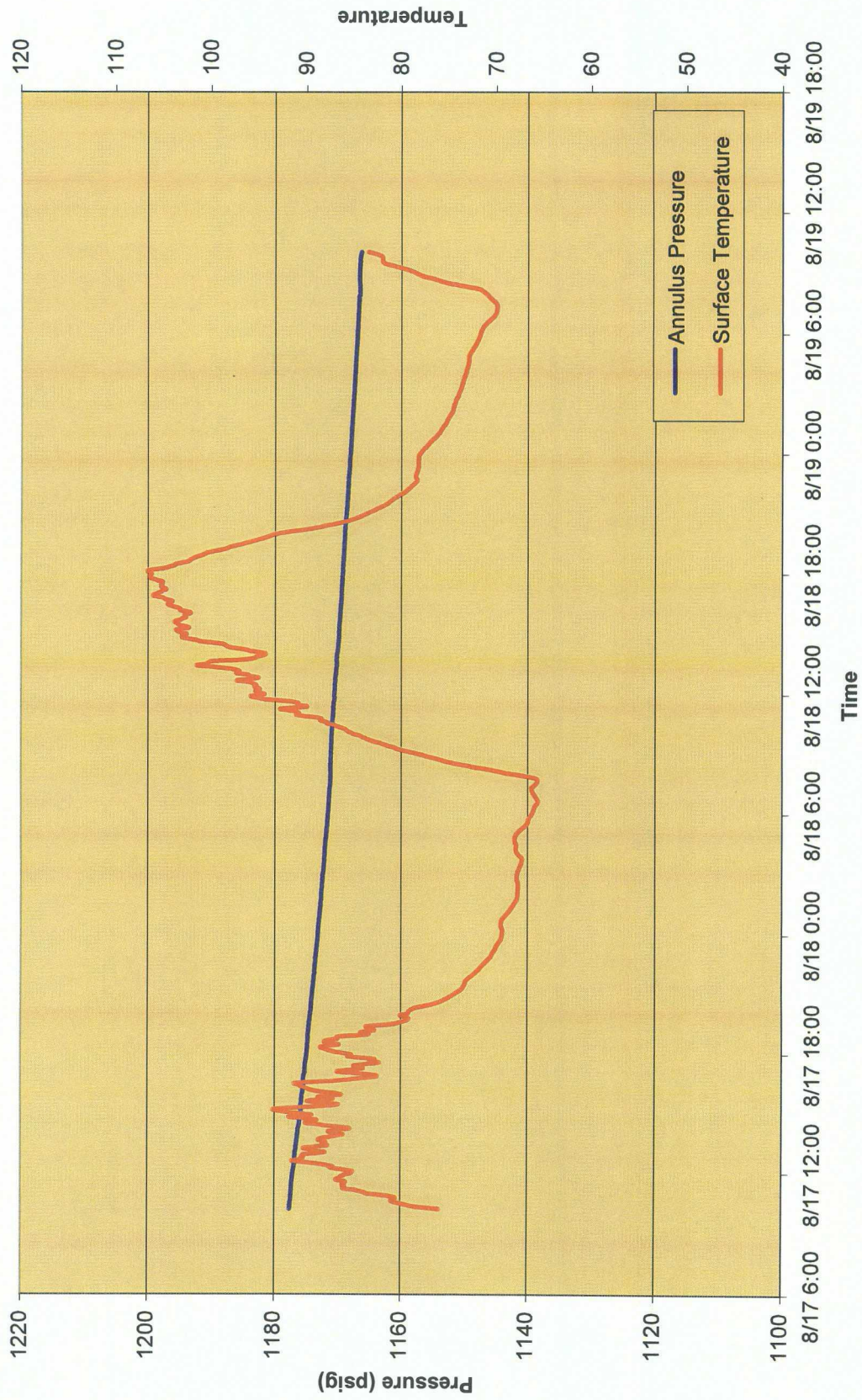


LONQUIST

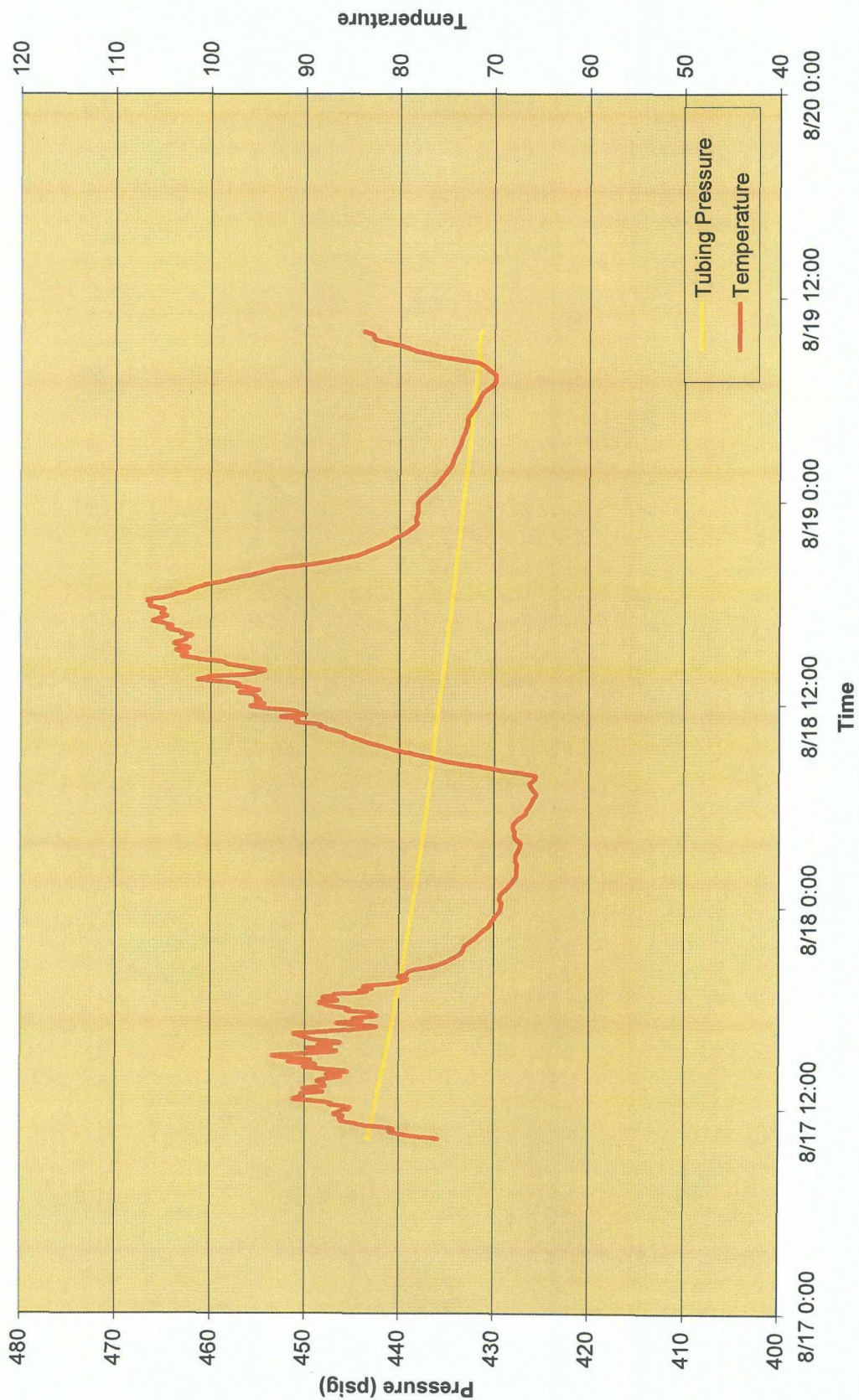
FIELD

SERVICE

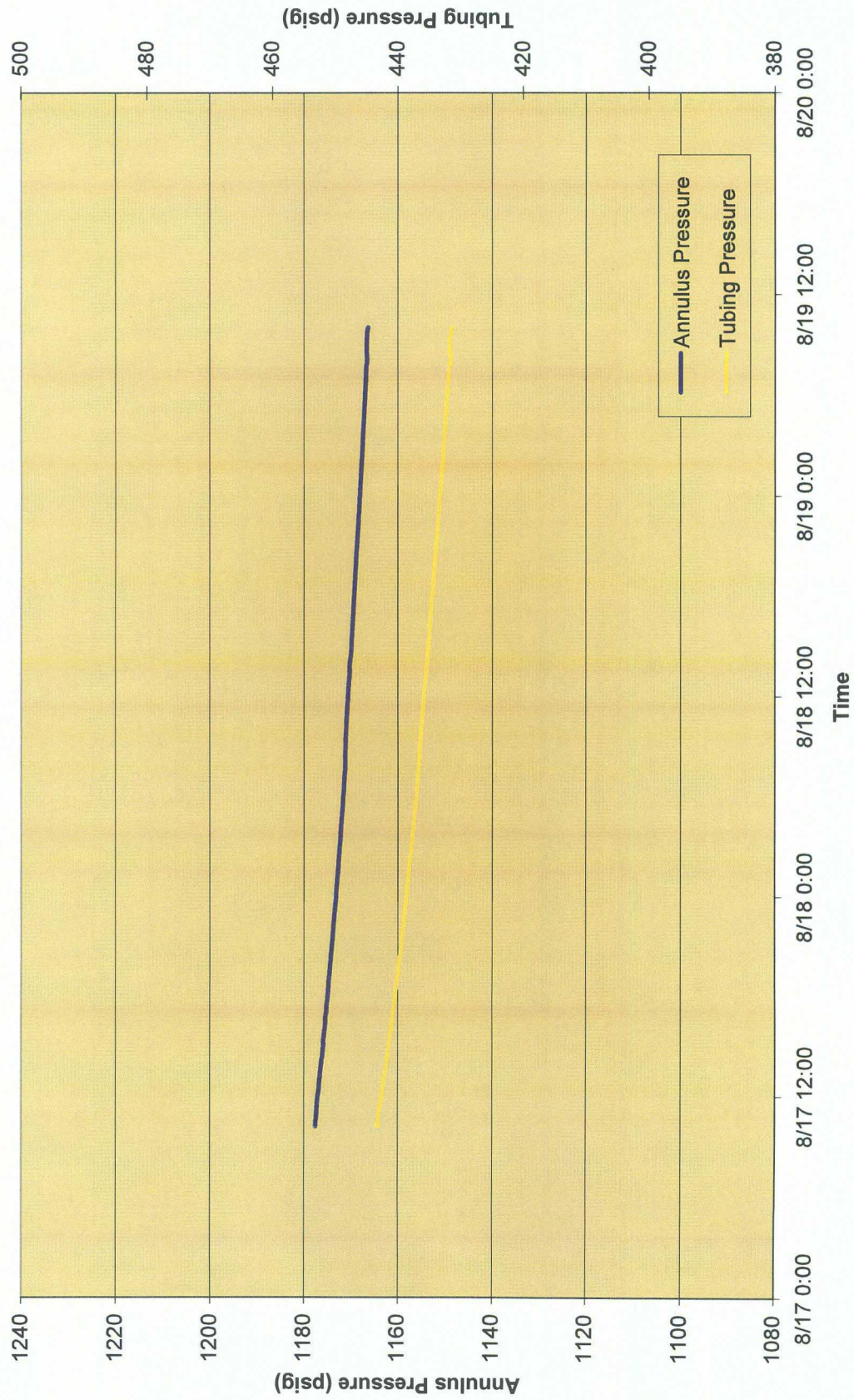
Well No. 3 - MIT
ANNULUS TEST PRESSURE



Well No. 3 - MIT
TUBING TEST PRESSURE



Well No. 3 - MIT
ANNULUS VS TUBING PRESSURES



Appendix A – MIT Test Procedure

LONQUIST

FIELD**SERVICE**

WELL TEST

Project No.: F142

Western Refining Company, LP
Well No. 3
Mechanical Integrity Test

Date: August 2007

Page: 1 of 10

Well: No. 3

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35956

Operator: Western Refining Company, LP

Location: Jal

Status: State LPG Well

INTRODUCTION

The purpose of the Mechanical Integrity Test (MIT) procedure is to test the integrity of the underground storage system that includes the cavern, cemented casing, and wellhead to determine if the system is suitable for the storage of hydrocarbons.

In accordance with the Oil Conservation Divisions of New Mexico Well No 3 is undergoing an MIT following the recently completed workover before the well can be placed back into service. The recent workover on Well No 3 involved pulling and replacing the old 4 1/2" tubing and adding a 7" liner.

The test procedure will consist of the following basic steps:

1. Pre-pressure the cavern with brine to a specific test pressure.
2. Complete pre-test density and temperature logs.
3. Inject nitrogen into Well No. 3 and monitor interface location to place in the cemented casing to complete a preliminary test on the cemented casing.
4. Inject nitrogen into Well No. 3 and monitor interface location to place interface below the cemented casing shoe.
5. Monitor wellhead pressures, wellbore temperature, and interface location during the specified test period.
6. Complete and submit MIT report to Western Refining Company, LP and the Oil Conservation Division of New Mexico.
7. Place Well No. 3 in operations

The test procedure includes the following information:

- Nitrogen/Brine Interface Test Planning Sheet
- Test Schematic
- Contact Information

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

		WELL TEST		Project No.: F142	
		Western Refining Company, LP Well No. 3 Mechanical Integrity Test		Date: August 2007	
				Page: 2 of 10	
Well: No. 3		State: New Mexico		County: LEA	
API: 30-025-35956		Oper: Western Refining Company, LP		Location: Jal	
				Field: Jal Station	
				Status: State LPG Well	
Well Preparation 1. Wellhead should be isolated from all surface piping during the test. This may include blind flanges, skillet flanges, and 1" or 2" test flanges. a. Wellhead should keep the ability to bleed excess brine pressure back into surface system during the test. 2. Install pressure recording equipment on wellhead. Pressure equipment should be able to record wellhead pressures and wellhead temperatures during the test period. Additional equipment to measure the nitrogen stream injected into the well will be necessary. a. All equipment calibration certifications to be provided with final reports. 3. Wellhead configuration should permit the use of a wireline lubricator and logging tools. 4. Pre-pressure the cavern to predetermined pressure with saturated brine a. See MIT Data Sheet 5. Wellhead pressure should be stable prior to starting the test. a. Stable wellhead pressure – Decline less than 10 psi/day					
Well Injection Phase 6. Move in and rig up wireline unit, logging tools, pressure equipment, and nitrogen supplier. 7. Complete base density log and wellbore temperature log a. Base Temperature Log – (0' – TD) b. Base Density Log – (TD' – 0') c. Density logs should include: tubing collars, production casing shoe, and approved logging scales. d. All depths are approximate 8. Start Nitrogen Injection at a slow rate (<500 SCFM). Nitrogen temperature should be regulated to the average wellbore temperature. 9. Monitor the nitrogen/brine interface and wellbore pressures to locate the interface above the casing shoe and conduct a preliminary casing test. a. Casing Test – Minimum of 30 minutes b. Monitor and record wellhead pressures and interface at the start and completion of the test 10. Monitor the nitrogen/brine interface and wellbore pressures to locate the nitrogen/brine interface below the cemented casing shoe and not exceed a test pressure gradient of 0.80 psi/ft at the cemented casing shoe. 11. After nitrogen/brine interface is located sufficiently below the cemented casing shoe stop nitrogen injection and shut well in for a short stabilization period. 12. Shut in for 30 minutes – Monitor pressures, interface location, and check wellhead for possible leak paths. 13. Complete post injection density logs					
PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE
TJB	8/1/2007	ETB	8/1/2007		Client Signature

LONQUIST

FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 3
Mechanical Integrity Test

Project No.: F142

Date: August 2007

Page: 3 of 10

Well: No. 3

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35956

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

- a. Post Injection Density Log – (TD' – 1550').
- b. Record wellhead pressures.
- c. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- d. All depths are approximate

14. Remove logging tools and shut well for the stabilization period.

15. Complete test calculations based on wellhead pressure measurements, nitrogen volume measurements, wellbore temperatures, and interface locations.

- a. Refer to Test Calculations Section

Test Initialization

16. Move in and rig up wireline unit, logging tools, and pressure equipment.

17. Complete initial density log and wellbore temperature log

- a. Base Temperature Log – (0' – TD')
- b. Initial Density Log – (TD' – 1550')
- c. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- d. All depths are approximate

18. Shut well in for test period – Minimum of 24 hours

Test Finalization

19. After planned test duration, move in and rig up wireline unit, logging tools, and pressure equipment.

- a. Complete final density log and wellbore temperature log
- b. Final Temperature Log – (0' – TD')
- c. Final Density Log – (TD' – 1550')
- d. Density logs should include: tubing collars, nitrogen/brine interface, production casing shoe, and approved logging scales.
- e. All depths are approximate

20. Determine if the test is complete based on results or if the test should be extended. Repeat Steps 15 - 17 if required.

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

		WELL TEST		Project No.: F142			
		Western Refining Company, LP Well No. 3 Mechanical Integrity Test		Date: August 2007			
				Page: 4 of 10			
Well: No. 3		State: New Mexico		County: LEA		Field: Jal Station	
API: 30-025-35956		Oper: Western Refining Company, LP		Location: Jal		Status: State LPG Well	

Nitrogen/Brine Interface Test Calculations

The test methodology proposed in this procedure is developed using the industry standard nitrogen/brine interface test method.

The wellhead pressures and temperature, wellbore temperatures, nitrogen volumes, and interface location will be recorded throughout the test period and will allow for the calculation of the borehole volumes, test sensitivity, minimum test durations, and final test calculations.

All test calculations are based on the following measured parameters: wellhead pressure, nitrogen volumes, annular casing unit volume, wellbore temperatures, and interface locations. In addition to the measured parameters, the following calculated parameters are important in completing the test: unit borehole volume, MDLR, and test length.

To evaluate the test the calculated nitrogen volume/mass at the start of the test is compared to the calculated nitrogen volume/mass at the end of the test. This rate of volume change and it's comparison to the test sensitivity is one of the components in determining the final results of the MIT.

TEST SENSITIVITY AND TEST LENGTH

Test sensitivity calculations are the functions of three factors:

Borehole volume – Determined from nitrogen measurement and sonar surveys

Log Resolution – Recommended: 5":100' logging scale

Minimum test duration – 24 hours

The test sensitivity is defined at the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \frac{[B_v * L_R * (T_c)]}{T_L}$$

Where:

MDLR	=	Minimum Detectable Leak Rate (bbl/year)
B _v	=	Borehole Volume (bbls/ft)
L _R	=	Log Resolution (feet)
T _c	=	Time Constant (365 days/year)
T _L	=	Test Length (days)

Using the MDLR method a reasonable and acceptable test accuracy and sensitivity can be calculated for the Mechanical Integrity Test. The MDLR calculation is based on downhole measurements of the test conditions.

The MDLR must be less than 1000 bbl/year for the designated test period. The length of the test must a minimum of

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

LONQUIST**FIELD****SERVICE****WELL TEST****Western Refining Company, LP****Well No. 3****Mechanical Integrity Test****Project No.: F142****Date: August 2007****Page: 5 of 10****Well: No. 3****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35956****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well**

24 hours and sufficient in length to keep the MDLR below 1000 bbl/year and allow for a proper evaluation of the well test.

TEST EVALUATIONS

The volume/mass of nitrogen located in the wellbore can be affected by following: temperature stabilization, cavern leaching/creep, and volume changes. Using P-V-T gas calculations, any changes in the volume/mass of the nitrogen in the wellbore can be evaluated based on wellbore temperature changes, pressure changes, and/or wellbore leakage.

Pressure Calculations

The average wellbore pressure is calculated based on the wellhead surface pressure, wellbore temperature, and depth of the specific interval. The following equation is used to calculate the average wellbore pressure

$$(P_A)_i = (P_A)_{i-1} \left[1 + \left(\frac{D}{(R)(Z_A)_i(T)_i} \right) \right]$$

Where:

$(P_A)_i$	=	Pressure @ Depth Interval (Calculated) (psia)
$(P_A)_{i-1}$	=	Pressure @ Previous Depth Interval (Calculated) (psi)
D	=	Depth Interval (ft)
$(Z_A)_i$	=	Gas Compressibility Factor @ Depth Interval
R	=	Specific Gas Constant
$(T)_i$	=	Wellbore Temperature ($^{\circ}$ R)

Nitrogen Calculations

The following calculation is used to calculate the volume/mass of nitrogen for specific intervals over the entire wellbore at the start and end of the test period:

$$(N_2)_i = \left(\frac{[(P_A)_i * (B_v)_i]}{[(Z_A)_i * (T_A)_i * R]} \right) * N_{GC}$$

Where:

$(N_2)_i$	=	Nitrogen Volume (SCF)
$(P_A)_i$	=	Average Wellbore Pressure (psi)
$(B_v)_i$	=	Wellbore Volume (ft^3)

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

LONQUIST

FIELD
SERVICE

WELL TEST

Western Refining Company, LP
Well No. 3
Mechanical Integrity Test

Project No.: F142

Date: August 2007

Page: 6 of 10

Well: No. 3

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35956

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

$(Z_A)_i$ = Gas Compressibility Factor
 $(T_A)_i$ = Wellbore Temperature (°R)
 R = Specific Gas Constant
 N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb)

Upon completion of each specific volume/mass calculation the sum of the each interval is calculated to determine the volume/mass of nitrogen in the wellbore at the beginning of the test. After the test is complete the calculation and summation is repeated to determine the final test results.

The following equations represent the summation of the intervals to the nitrogen/brine interface at the start and completion of the test:

$$(V_I) = \sum_o^{I/F} (N_2)_i$$

$$(V_F) = \sum_o^{I/F} (N_2)_i$$

The results of the beginning and completion of the test are compared and evaluated to determine the change in nitrogen volume during the test period. The following equation is used for the comparison:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB}) = Nitrogen Volume Change (ft³) – Wellbore Conditions
 (Z_A) = Average Gas Compressibility Factor for Test Period
 (T_A) = Average Wellbore Temperature (°R) for Test Period
 R = Specific Gas Constant
 $(\Delta V)_{STP}$ = Nitrogen Volume Change (SCF) – Standard Conditions
 (P_A) = Average Wellbore Pressure for Test Period (psi)
 N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb)

The change in wellbore volume for the test period is converted into a calculated annual volume change. The following

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

LONQUIST**FIELD SERVICE****WELL TEST****Western Refining Company, LP
Well No. 3
Mechanical Integrity Test****Project No.: F142****Date: August 2007****Page: 7 of 10****Well: No. 3****State: New Mexico****County: LEA****Field: Jal Station****API: 30-025-35956****Oper: Western Refining Company, LP****Location: Jal****Status: State LPG Well**

equation determines this volume change:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(hr/day) * 365(day/yr)]}{T_L}$$

Where:

(ΔV_{ANNUAL}) = Calculated Volume Change (bbls/year)
 (ΔV_{WB}) = Nitrogen Volume Change (ft³) – Wellbore Conditions
 (T_L) = Test Length (hrs)

A positive change in wellbore volume indicates a calculated loss of nitrogen from the wellbore during the test period. A negative change in wellbore volume indicates a calculated increase (apparent nitrogen influx) in nitrogen volume during the test period.

Pass/Fail Criteria

Test results are evaluated for a successful test using the following criteria:

- MDLR less than 1000 bbls/day
- Calculated Annual Volume Change less than the MDLR
- Pressure response, wellbore temperature, and interface movement should respond in a way that represents the cavern has mechanical integrity

Test Reporting

A written report will be prepared within 30 days of completion and submitted to the Oil Conservation Division of New Mexico. The report will include the test procedures, test chronology, test results and conclusions, wireline logs, pressure information, and all supporting documentation.

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

LONQUIST**FIELD****SERVICE****WELL TEST**

Project No.: F142

Western Refining Company, LP
Well No. 3
Mechanical Integrity Test

Date: August 2007

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Well: No. 3

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35956

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

TEST PLANNING SHEET

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
Parish:	Lea
Field:	Jal Station
Serial Number:	30-025-35956
UIC Number	0

WELL INFORMATION

Cemented Casing			Casing Liner		
Casing Size	9 5/8	inches	Casing Size	7	inches
Casing ID	8.921	inches	Casing ID	6.366	inches
Casing Weight	36	lbs/ft	Casing Weight	23	lbs/ft
Grade			Grade	J-55	
Depth	1666	feet	Depth	1579	feet

Hanging String No. 1			Hanging String No. 2		
Casing Size	4 1/2	inches	Casing Size		inches
Casing ID	4	inches	Casing ID		inches
Casing Weight	11.6	lbs/ft	Casing Weight		lbs/ft
Grade	J-55		Grade		
Depth	2568	feet	Depth		feet

Cavern

Cavern Size	80,000	bbls
Compressibility	0.24	bbls/psi
Cavern TD	2489	feet

TEST INFORMATION

Effective Casing Shoe	1666	feet	Casing Shoe Pressure	1249.50	psi
Test Gradient	0.75	psi/ft	Interface Pressure	1249.63	psi
Brine Specific Gravity	1.2		Surface Tubing Pressure	382.42	psi
Nitrogen Temperature	65	deg F	Surface Annulus Pressure	1180.71	psi
Interface Depth	1669	feet	Pressure Increase	709.20	psi
Gas Compressibility	0.9997		Conversion	14.70	psi

Volume			Nitrogen		
Annular Volume No. 1	0.030	bbls/ft	Surface to Casing Shoe	24317.52	SCF
Annular Volume No. 2	0.058	bbls/ft	Casing Shoe to Interface	57789.83	SCF
Surface to Liner Shoe	46.91	bbls	Total	82107.35	SCF
Surface to Casing Shoe	5.015	bbls	Brine		
Casing Shoe to Interface	120	bbls	Cavern Pre-Pressure	-326.78	psi
Total	171.93	bbls	Brine Injection	-79.22	bbls

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

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FIELD

SERVICE

WELL TEST

Western Refining Company, LP
Well No. 3
Mechanical Integrity Test

Project No.: F142

Date: August 2007

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Well: No. 3

State: New Mexico

County: LEA

Field: Jal Station

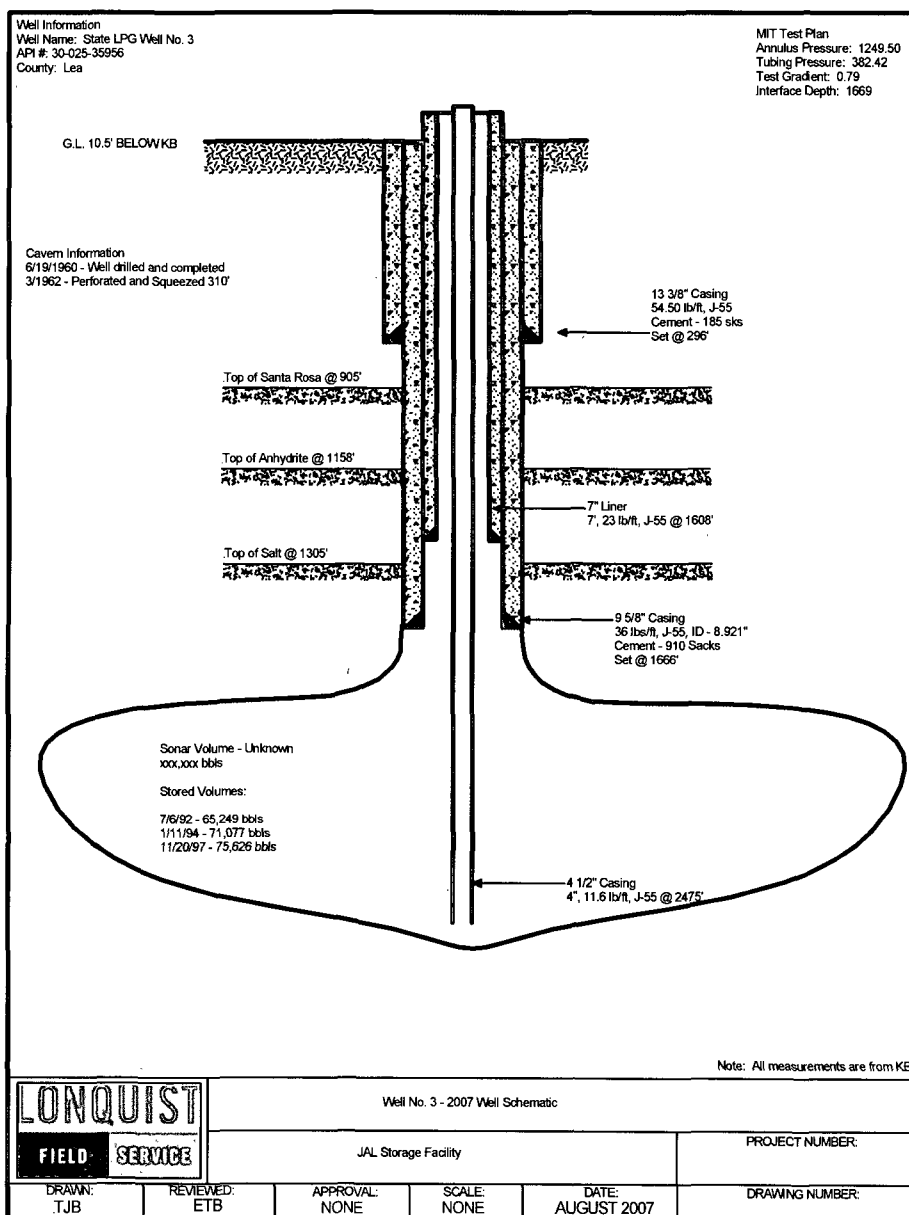
API: 30-025-35956

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

WELL SCHEMATIC



PREPARED BY

DATE

APPROVED BY

DATE

CLIENT
APPROVAL

DATE

Client Signature

TJB

8/1/2007

ETB

8/1/2007

LONQUIST

FIELD SERVICE

WELL TEST

Western Refining Company, LP
Well No. 3
Mechanical Integrity Test

Project No.: F142

Date: August 2007

Page: 10 of 10

Well: No. 3

State: New Mexico

County: LEA

Field: Jal Station

API: 30-025-35956

Oper: Western Refining Company, LP

Location: Jal

Status: State LPG Well

CONTACT INFORMATION

Well Owner

Western Refining
6501 Trowbridge Drive
El Paso, TX 79905-3402

- Bruce Davis – Supervisor
 - Telephone – (915) 775-3206
 - Telephone – (915) 526-1189
 - Email – bruce.davis@westernrefining.com
- Allen S. Hains – Environmental Engineer
 - Telephone – (915) 775-5554
 - Mobile – (915) 775-5521
 - Email – allen.hains@westernrefining.com

Western Refining
PO Box 1345
Jal, New Mexico 88252

- Ken Parker – Site Manager
 - Telephone – (505) 395-2632
 - Mobile – (915) 471-1607
 - Email – ken.parker@westernrefining.com

Engineering Consultants

Lonquist Field Service, LLC
Barton Oaks Plaza I, Suite 435
901 South Mopac Expressway
Austin, Texas 78746

- Eric Busch – Operations Manager
 - Telephone – (832) 216-0785
 - Fax – (512) 732-9816
 - Email – eric@lonquistfieldservice.com
- Tadd J Busch – Underground Storage Engineer
 - Telephone – (701) 306 8580
 - Fax – (512) 732-9816
 - Email – tadd@lonquistfieldservice.com

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Client Signature
TJB	8/1/2007	ETB	8/1/2007			

Appendix B – Injection Pressure Data

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
10:29:00	173.53	89.61	124.34	89.75	93.75	566.55	268.32
10:29:16	173.53	89.61	124.34	89.75	93.75	566.55	268.32
10:29:32	173.53	89.61	124.34	89.75	93.75	566.55	268.32
10:29:48	173.53	89.61	124.34	89.75	93.75	566.55	268.32
10:30:04	261.47	89.93	133.49	90.03	92.74	533.12	806.02
10:30:20	261.47	89.93	133.49	90.03	92.74	533.12	806.02
10:30:36	261.47	89.93	133.49	90.03	92.74	533.12	806.02
10:30:52	261.47	89.93	133.49	90.03	92.74	533.12	806.02
10:31:08	326.77	90.20	139.26	90.33	91.36	398.61	1321.86
10:31:24	326.77	90.20	139.26	90.33	91.36	398.61	1321.86
10:31:40	326.77	90.20	139.26	90.33	91.36	398.61	1321.86
10:31:56	326.77	90.20	139.26	90.33	91.36	398.61	1321.86
10:32:12	370.92	90.41	143.71	90.58	90.54	397.12	1720.20
10:32:28	370.92	90.41	143.71	90.58	90.54	397.12	1720.20
10:32:44	370.92	90.41	143.71	90.58	90.54	397.12	1720.20
10:33:00	370.92	90.41	143.71	90.58	90.54	397.12	1720.20
10:33:16	409.55	90.61	147.03	90.82	89.69	394.35	2113.65
10:33:32	409.55	90.61	147.03	90.82	89.69	394.35	2113.65
10:33:48	409.55	90.61	147.03	90.82	89.69	394.35	2113.65
10:34:04	445.45	90.82	149.22	91.04	88.89	416.64	2517.77
10:34:20	445.45	90.82	149.22	91.04	88.89	416.64	2517.77
10:34:36	445.45	90.82	149.22	91.04	88.89	416.64	2517.77
10:34:52	445.45	90.82	149.22	91.04	88.89	416.64	2517.77
10:35:08	481.63	91.06	152.51	91.29	87.75	438.58	2973.25
10:35:24	481.63	91.06	152.51	91.29	87.75	438.58	2973.25
10:35:40	481.63	91.06	152.51	91.29	87.75	438.58	2973.25
10:35:56	481.63	91.06	152.51	91.29	87.75	438.58	2973.25
10:36:12	515.17	91.33	155.81	91.56	86.92	429.91	3406.65
10:36:28	515.17	91.33	155.81	91.56	86.92	429.91	3406.65
10:36:44	515.17	91.33	155.81	91.56	86.92	429.91	3406.65
10:37:00	515.17	91.33	155.81	91.56	86.92	429.91	3406.65
10:37:16	545.49	91.56	157.53	91.80	86.16	431.34	3836.45
10:37:32	545.49	91.56	157.53	91.80	86.16	431.34	3836.45
10:37:48	545.49	91.56	157.53	91.80	86.16	431.34	3836.45
10:38:04	573.13	91.76	159.65	92.04	85.52	426.43	4263.58
10:38:20	573.13	91.76	159.65	92.04	85.52	426.43	4263.58
10:38:36	573.13	91.76	159.65	92.04	85.52	426.43	4263.58
10:38:52	573.13	91.76	159.65	92.04	85.52	426.43	4263.58
10:39:08	600.55	91.96	163.13	92.24	85.20	423.21	4689.32
10:39:24	600.55	91.96	163.13	92.24	85.20	423.21	4689.32
10:39:40	600.55	91.96	163.13	92.24	85.20	423.21	4689.32
10:39:56	600.55	91.96	163.13	92.24	85.20	423.21	4689.32
10:40:12	626.21	92.16	165.61	92.46	85.10	427.45	5115.36

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
10:40:28	626.21	92.16	165.61	92.46	85.10	427.45	5115.36
10:40:44	626.21	92.16	165.61	92.46	85.10	427.45	5115.36
10:41:00	626.21	92.16	165.61	92.46	85.10	427.45	5115.36
10:41:16	649.92	92.42	167.72	92.70	85.35	408.35	5535.55
10:41:32	649.92	92.42	167.72	92.70	85.35	408.35	5535.55
10:41:48	649.92	92.42	167.72	92.70	85.35	408.35	5535.55
10:42:04	672.11	92.64	169.54	92.95	85.93	411.82	5943.99
10:42:20	672.11	92.64	169.54	92.95	85.93	411.82	5943.99
10:42:36	672.11	92.64	169.54	92.95	85.93	411.82	5943.99
10:42:52	672.11	92.64	169.54	92.95	85.93	411.82	5943.99
10:43:08	694.62	92.77	171.70	93.13	86.81	412.94	6354.50
10:43:24	694.62	92.77	171.70	93.13	86.81	412.94	6354.50
10:43:40	694.62	92.77	171.70	93.13	86.81	412.94	6354.50
10:43:56	694.62	92.77	171.70	93.13	86.81	412.94	6354.50
10:44:12	715.93	92.83	173.21	93.23	87.86	410.42	6767.07
10:44:28	715.93	92.83	173.21	93.23	87.86	410.42	6767.07
10:44:44	715.93	92.83	173.21	93.23	87.86	410.42	6767.07
10:45:00	715.93	92.83	173.21	93.23	87.86	410.42	6767.07
10:45:16	736.47	92.87	175.10	93.29	89.12	416.31	7180.34
10:45:32	736.47	92.87	175.10	93.29	89.12	416.31	7180.34
10:45:48	736.47	92.87	175.10	93.29	89.12	416.31	7180.34
10:46:04	755.91	92.92	177.05	93.36	90.44	405.44	7591.74
10:46:20	755.91	92.92	177.05	93.36	90.44	405.44	7591.74
10:46:36	755.91	92.92	177.05	93.36	90.44	405.44	7591.74
10:46:52	755.91	92.92	177.05	93.36	90.44	405.44	7591.74
10:47:08	775.22	92.99	178.81	93.45	92.11	413.78	8000.01
10:47:24	775.22	92.99	178.81	93.45	92.11	413.78	8000.01
10:47:40	775.22	92.99	178.81	93.45	92.11	413.78	8000.01
10:47:56	775.22	92.99	178.81	93.45	92.11	413.78	8000.01
10:48:12	794.59	93.08	180.49	93.57	93.66	402.63	8408.11
10:48:28	794.59	93.08	180.49	93.57	93.66	402.63	8408.11
10:48:44	794.59	93.08	180.49	93.57	93.66	402.63	8408.11
10:49:00	794.59	93.08	180.49	93.57	93.66	402.63	8408.11
10:49:16	812.75	93.14	182.13	93.69	95.04	410.05	8815.84
10:49:32	812.75	93.14	182.13	93.69	95.04	410.05	8815.84
10:49:48	812.75	93.14	182.13	93.69	95.04	410.05	8815.84
10:50:04	830.15	93.21	183.65	93.80	96.52	403.41	9221.88
10:50:20	830.15	93.21	183.65	93.80	96.52	403.41	9221.88
10:50:36	830.15	93.21	183.65	93.80	96.52	403.41	9221.88
10:50:52	830.15	93.21	183.65	93.80	96.52	403.41	9221.88
10:51:08	846.86	93.26	184.97	93.87	97.58	403.28	9626.17
10:51:24	846.86	93.26	184.97	93.87	97.58	403.28	9626.17
10:51:40	846.86	93.26	184.97	93.87	97.58	403.28	9626.17

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
10:51:56	846.86	93.26	184.97	93.87	97.58	403.28	9626.17
10:52:12	864.04	93.25	186.71	93.87	98.43	407.43	10027.59
10:52:28	864.04	93.25	186.71	93.87	98.43	407.43	10027.59
10:52:44	864.04	93.25	186.71	93.87	98.43	407.43	10027.59
10:53:00	864.04	93.25	186.71	93.87	98.43	407.43	10027.59
10:53:16	874.13	93.22	188.60	93.84	98.83	401.03	10431.88
10:53:32	874.13	93.22	188.60	93.84	98.83	401.03	10431.88
10:53:48	874.13	93.22	188.60	93.84	98.83	401.03	10431.88
10:54:04	883.22	93.21	190.64	93.86	98.70	406.93	10835.89
10:54:20	883.22	93.21	190.64	93.86	98.70	406.93	10835.89
10:54:36	883.22	93.21	190.64	93.86	98.70	406.93	10835.89
10:54:52	883.22	93.21	190.64	93.86	98.70	406.93	10835.89
10:55:08	892.15	93.33	192.63	93.97	97.73	394.82	11237.90
10:55:24	892.15	93.33	192.63	93.97	97.73	394.82	11237.90
10:55:40	892.15	93.33	192.63	93.97	97.73	394.82	11237.90
10:55:56	892.15	93.33	192.63	93.97	97.73	394.82	11237.90
10:56:12	897.53	93.47	193.58	94.13	96.62	0.00	11490.38
10:56:28	897.53	93.47	193.58	94.13	96.62	0.00	11490.38
10:56:44	897.53	93.47	193.58	94.13	96.62	0.00	11490.38
10:57:00	897.53	93.47	193.58	94.13	96.62	0.00	11490.38
10:57:16	897.08	93.63	193.72	94.29	97.34	0.00	11492.74
10:57:32	897.08	93.63	193.72	94.29	97.34	0.00	11492.74
10:57:48	897.08	93.63	193.72	94.29	97.34	0.00	11492.74
10:58:04	896.95	93.74	193.65	94.45	97.83	0.00	11492.74
10:58:20	896.95	93.74	193.65	94.45	97.83	0.00	11492.74
10:58:36	896.95	93.74	193.65	94.45	97.83	0.00	11492.74
10:58:52	896.95	93.74	193.65	94.45	97.83	0.00	11492.74
10:59:08	896.84	93.81	193.55	94.57	98.21	0.00	11492.74
10:59:24	896.84	93.81	193.55	94.57	98.21	0.00	11492.74
10:59:40	896.84	93.81	193.55	94.57	98.21	0.00	11492.74
10:59:56	896.84	93.81	193.55	94.57	98.21	0.00	11492.74
11:00:12	896.75	93.84	193.54	94.62	98.43	0.00	11492.74
11:00:28	896.75	93.84	193.54	94.62	98.43	0.00	11492.74
11:00:44	896.75	93.84	193.54	94.62	98.43	0.00	11492.74
11:01:00	896.75	93.84	193.54	94.62	98.43	0.00	11492.74
11:01:16	896.67	93.84	193.42	94.66	98.64	0.00	11492.74
11:01:32	896.67	93.84	193.42	94.66	98.64	0.00	11492.74
11:01:48	896.67	93.84	193.42	94.66	98.64	0.00	11492.74
11:02:04	896.58	93.82	193.31	94.66	98.74	0.00	11492.74
11:02:20	896.58	93.82	193.31	94.66	98.74	0.00	11492.74
11:02:36	896.58	93.82	193.31	94.66	98.74	0.00	11492.74
11:02:52	896.58	93.82	193.31	94.66	98.74	0.00	11492.74
11:03:08	896.51	93.78	193.21	94.64	98.82	0.00	11492.74

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
11:03:24	896.51	93.78	193.21	94.64	98.82	0.00	11492.74
11:03:40	896.51	93.78	193.21	94.64	98.82	0.00	11492.74
11:03:56	896.51	93.78	193.21	94.64	98.82	0.00	11492.74
11:04:12	896.43	93.72	193.22	94.57	98.88	0.00	11492.74
11:04:28	896.43	93.72	193.22	94.57	98.88	0.00	11492.74
11:04:44	896.43	93.72	193.22	94.57	98.88	0.00	11492.74
11:05:00	896.43	93.72	193.22	94.57	98.88	0.00	11492.74
11:05:16	896.36	93.70	193.17	94.54	98.95	0.00	11492.74
11:05:32	896.36	93.70	193.17	94.54	98.95	0.00	11492.74
11:05:48	896.36	93.70	193.17	94.54	98.95	0.00	11492.74
11:06:04	896.28	93.70	193.11	94.53	99.12	0.00	11492.74
11:06:20	896.28	93.70	193.11	94.53	99.12	0.00	11492.74
11:06:36	896.28	93.70	193.11	94.53	99.12	0.00	11492.74
11:06:52	896.28	93.70	193.11	94.53	99.12	0.00	11492.74
11:07:08	896.21	93.71	193.06	94.53	99.30	0.00	11492.74
11:07:24	896.21	93.71	193.06	94.53	99.30	0.00	11492.74
11:07:40	896.21	93.71	193.06	94.53	99.30	0.00	11492.74
11:07:56	896.21	93.71	193.06	94.53	99.30	0.00	11492.74
11:08:12	896.15	93.71	193.01	94.50	99.56	0.00	11492.74
11:08:28	896.15	93.71	193.01	94.50	99.56	0.00	11492.74
11:08:44	896.15	93.71	193.01	94.50	99.56	0.00	11492.74
11:09:00	896.15	93.71	193.01	94.50	99.56	0.00	11492.74
11:09:16	896.08	93.63	192.96	94.40	99.68	0.00	11492.74
11:09:32	896.08	93.63	192.96	94.40	99.68	0.00	11492.74
11:09:48	896.08	93.63	192.96	94.40	99.68	0.00	11492.74
11:10:04	896.00	93.53	192.91	94.31	99.76	0.00	11492.74
11:10:20	896.00	93.53	192.91	94.31	99.76	0.00	11492.74
11:10:36	896.00	93.53	192.91	94.31	99.76	0.00	11492.74
11:10:52	896.00	93.53	192.91	94.31	99.76	0.00	11492.74
11:11:08	895.95	93.44	192.88	94.19	99.78	0.00	11492.74
11:11:24	895.95	93.44	192.88	94.19	99.78	0.00	11492.74
11:11:40	895.95	93.44	192.88	94.19	99.78	0.00	11492.74
11:11:56	895.95	93.44	192.88	94.19	99.78	0.00	11492.74
11:12:12	895.86	93.34	192.83	94.08	99.87	0.00	11492.74
11:12:28	895.86	93.34	192.83	94.08	99.87	0.00	11492.74
11:12:44	895.86	93.34	192.83	94.08	99.87	0.00	11492.74
11:13:00	895.86	93.34	192.83	94.08	99.87	0.00	11492.74
11:13:16	895.81	93.23	192.78	93.95	99.87	0.00	11492.74
11:13:32	895.81	93.23	192.78	93.95	99.87	0.00	11492.74
11:13:48	895.81	93.23	192.78	93.95	99.87	0.00	11492.74
11:14:04	895.76	93.12	192.62	93.81	99.85	0.00	11492.74
11:14:20	895.76	93.12	192.62	93.81	99.85	0.00	11492.74
11:14:36	895.76	93.12	192.62	93.81	99.85	0.00	11492.74

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
11:14:52	895.76	93.12	192.62	93.81	99.85	0.00	11492.74
11:15:08	895.72	93.02	192.69	93.67	99.87	0.00	11492.74
11:15:24	895.72	93.02	192.69	93.67	99.87	0.00	11492.74
11:15:40	895.72	93.02	192.69	93.67	99.87	0.00	11492.74
11:15:56	895.72	93.02	192.69	93.67	99.87	0.00	11492.74
11:16:12	895.67	92.94	192.66	93.56	99.94	0.00	11492.74
11:16:28	895.67	92.94	192.66	93.56	99.94	0.00	11492.74
11:16:44	895.67	92.94	192.66	93.56	99.94	0.00	11492.74
11:17:00	895.67	92.94	192.66	93.56	99.94	0.00	11492.74
11:17:16	895.62	92.90	192.63	93.48	100.00	0.00	11492.74
11:17:32	895.62	92.90	192.63	93.48	100.00	0.00	11492.74
11:17:48	895.62	92.90	192.63	93.48	100.00	0.00	11492.74
11:18:04	895.56	92.82	192.59	93.38	100.01	0.00	11492.74
11:18:20	895.56	92.82	192.59	93.38	100.01	0.00	11492.74
11:18:36	895.56	92.82	192.59	93.38	100.01	0.00	11492.74
11:18:52	895.56	92.82	192.59	93.38	100.01	0.00	11492.74
11:19:08	895.51	92.75	192.55	93.28	100.03	0.00	11492.74
11:19:24	895.51	92.75	192.55	93.28	100.03	0.00	11492.74
11:19:40	895.51	92.75	192.55	93.28	100.03	0.00	11492.74
11:19:56	895.51	92.75	192.55	93.28	100.03	0.00	11492.74
11:20:12	895.46	92.68	192.51	93.18	100.06	0.00	11492.74
11:20:28	895.46	92.68	192.51	93.18	100.06	0.00	11492.74
11:20:44	895.46	92.68	192.51	93.18	100.06	0.00	11492.74
11:21:00	895.46	92.68	192.51	93.18	100.06	0.00	11492.74
11:21:16	895.40	92.61	192.48	93.09	100.21	0.00	11492.74
11:21:32	895.40	92.61	192.48	93.09	100.21	0.00	11492.74
11:21:48	895.40	92.61	192.48	93.09	100.21	0.00	11492.74
11:22:04	895.36	92.56	192.45	93.01	100.43	0.00	11492.74
11:22:20	895.36	92.56	192.45	93.01	100.43	0.00	11492.74
11:22:36	895.36	92.56	192.45	93.01	100.43	0.00	11492.74
11:22:52	895.36	92.56	192.45	93.01	100.43	0.00	11492.74
11:23:08	895.30	92.49	192.42	92.93	100.56	0.00	11492.74
11:23:24	895.30	92.49	192.42	92.93	100.56	0.00	11492.74
11:23:40	895.30	92.49	192.42	92.93	100.56	0.00	11492.74
11:23:56	895.30	92.49	192.42	92.93	100.56	0.00	11492.74
11:24:12	895.28	92.40	192.39	92.83	100.41	0.00	11492.74
11:24:28	895.28	92.40	192.39	92.83	100.41	0.00	11492.74
11:24:44	895.28	92.40	192.39	92.83	100.41	0.00	11492.74
11:25:00	895.28	92.40	192.39	92.83	100.41	0.00	11492.74
11:25:16	895.25	92.32	192.37	92.73	100.22	0.00	11492.74
11:25:32	895.25	92.32	192.37	92.73	100.22	0.00	11492.74
11:25:48	895.25	92.32	192.37	92.73	100.22	0.00	11492.74
11:26:04	895.22	92.26	192.34	92.64	100.14	0.00	11492.74

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
11:26:20	895.22	92.26	192.34	92.64	100.14	0.00	11492.74
11:26:36	895.22	92.26	192.34	92.64	100.14	0.00	11492.74
11:26:52	895.22	92.26	192.34	92.64	100.14	0.00	11492.74
11:27:08	895.19	92.16	192.24	92.53	100.06	0.00	11492.74
11:27:24	895.19	92.16	192.24	92.53	100.06	0.00	11492.74
11:27:40	895.19	92.16	192.24	92.53	100.06	0.00	11492.74
11:27:56	895.19	92.16	192.24	92.53	100.06	0.00	11492.74
11:28:12	895.17	92.05	192.34	92.40	99.98	0.00	11492.74
11:28:28	895.17	92.05	192.34	92.40	99.98	0.00	11492.74
11:28:44	895.17	92.05	192.34	92.40	99.98	0.00	11492.74
11:29:00	895.17	92.05	192.34	92.40	99.98	0.00	11492.74
11:29:16	895.14	91.97	192.27	92.29	99.96	0.00	11492.74
11:29:32	895.14	91.97	192.27	92.29	99.96	0.00	11492.74
11:29:48	895.14	91.97	192.27	92.29	99.96	0.00	11492.74
11:30:04	895.12	91.90	192.25	92.20	99.95	0.00	11492.74
11:30:20	895.12	91.90	192.25	92.20	99.95	0.00	11492.74
11:30:36	895.12	91.90	192.25	92.20	99.95	0.00	11492.74
11:30:52	895.12	91.90	192.25	92.20	99.95	0.00	11492.74
11:31:08	895.10	91.81	192.22	92.11	99.97	0.00	11492.74
11:31:24	895.10	91.81	192.22	92.11	99.97	0.00	11492.74
11:31:40	895.10	91.81	192.22	92.11	99.97	0.00	11492.74
11:31:56	895.10	91.81	192.22	92.11	99.97	0.00	11492.74
11:32:12	895.10	91.58	192.21	91.93	100.04	0.00	11492.74
11:32:28	895.10	91.58	192.21	91.93	100.04	0.00	11492.74
11:32:44	895.10	91.58	192.21	91.93	100.04	0.00	11492.74
11:33:00	895.10	91.58	192.21	91.93	100.04	0.00	11492.74
11:33:16	895.07	91.36	192.18	91.70	99.84	0.00	11492.74
11:33:32	895.07	91.36	192.18	91.70	99.84	0.00	11492.74
11:33:48	895.07	91.36	192.18	91.70	99.84	0.00	11492.74
11:34:04	895.05	91.25	192.16	91.54	99.33	0.00	11492.74
11:34:20	895.05	91.25	192.16	91.54	99.33	0.00	11492.74
11:34:36	895.05	91.25	192.16	91.54	99.33	0.00	11492.74
11:34:52	895.05	91.25	192.16	91.54	99.33	0.00	11492.74
11:35:08	895.03	91.12	192.15	91.39	98.82	0.00	11492.74
11:35:24	895.03	91.12	192.15	91.39	98.82	0.00	11492.74
11:35:40	895.03	91.12	192.15	91.39	98.82	0.00	11492.74
11:35:56	895.03	91.12	192.15	91.39	98.82	0.00	11492.74
11:36:12	895.00	90.92	192.13	91.25	98.51	0.00	11492.74
11:36:28	895.00	90.92	192.13	91.25	98.51	0.00	11492.74
11:36:44	895.00	90.92	192.13	91.25	98.51	0.00	11492.74
11:37:00	895.00	90.92	192.13	91.25	98.51	0.00	11492.74
11:37:16	894.98	90.77	192.11	91.10	98.31	0.00	11492.74
11:37:32	894.98	90.77	192.11	91.10	98.31	0.00	11492.74

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
11:37:48	894.98	90.77	192.11	91.10	98.31	0.00	11492.74
11:38:04	894.96	90.69	192.09	90.97	98.15	0.00	11492.74
11:38:20	894.96	90.69	192.09	90.97	98.15	0.00	11492.74
11:38:36	894.96	90.69	192.09	90.97	98.15	0.00	11492.74
11:38:52	894.96	90.69	192.09	90.97	98.15	0.00	11492.74
11:39:08	894.94	90.66	192.07	90.86	98.14	0.00	11492.74
11:39:24	894.94	90.66	192.07	90.86	98.14	0.00	11492.74
11:39:40	894.94	90.66	192.07	90.86	98.14	0.00	11492.74
11:39:56	894.94	90.66	192.07	90.86	98.14	0.00	11492.74
11:40:12	894.92	90.73	192.05	90.83	98.19	0.00	11492.74
11:40:28	894.92	90.73	192.05	90.83	98.19	0.00	11492.74
11:40:44	894.92	90.73	192.05	90.83	98.19	0.00	11492.74
11:41:00	894.92	90.73	192.05	90.83	98.19	0.00	11492.74
11:41:16	894.88	90.89	192.04	90.85	98.32	0.00	11492.74
11:41:32	894.88	90.89	192.04	90.85	98.32	0.00	11492.74
11:41:48	894.88	90.89	192.04	90.85	98.32	0.00	11492.74
11:42:04	894.86	91.07	192.02	90.92	98.52	0.00	11492.74
11:42:20	894.86	91.07	192.02	90.92	98.52	0.00	11492.74
11:42:36	894.86	91.07	192.02	90.92	98.52	0.00	11492.74
11:42:52	894.86	91.07	192.02	90.92	98.52	0.00	11492.74
11:43:08	894.82	91.24	192.00	91.03	98.54	0.00	11492.74
11:43:24	894.82	91.24	192.00	91.03	98.54	0.00	11492.74
11:43:40	894.82	91.24	192.00	91.03	98.54	0.00	11492.74
11:43:56	894.82	91.24	192.00	91.03	98.54	0.00	11492.74
11:44:12	894.80	91.42	191.90	91.14	98.60	0.00	11492.74
11:44:28	894.80	91.42	191.90	91.14	98.60	0.00	11492.74
11:44:44	894.80	91.42	191.90	91.14	98.60	0.00	11492.74
11:45:00	894.80	91.42	191.90	91.14	98.60	0.00	11492.74
11:45:16	894.79	91.64	191.78	91.27	98.73	0.00	11492.74
11:45:32	894.79	91.64	191.78	91.27	98.73	0.00	11492.74
11:45:48	894.79	91.64	191.78	91.27	98.73	0.00	11492.74
11:46:04	894.73	91.86	191.96	91.47	99.07	0.00	11492.74
11:46:20	894.73	91.86	191.96	91.47	99.07	0.00	11492.74
11:46:36	894.73	91.86	191.96	91.47	99.07	0.00	11492.74
11:46:52	894.73	91.86	191.96	91.47	99.07	0.00	11492.74
11:47:08	894.76	92.10	191.92	91.61	99.28	0.00	11492.74
11:47:24	894.76	92.10	191.92	91.61	99.28	0.00	11492.74
11:47:40	894.76	92.10	191.92	91.61	99.28	0.00	11492.74
11:47:56	894.76	92.10	191.92	91.61	99.28	0.00	11492.74
11:48:12	894.74	92.33	191.89	91.79	99.49	0.00	11492.74
11:48:28	894.74	92.33	191.89	91.79	99.49	0.00	11492.74
11:48:44	894.74	92.33	191.89	91.79	99.49	0.00	11492.74
11:49:00	894.74	92.33	191.89	91.79	99.49	0.00	11492.74

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
11:49:16	894.71	92.56	191.86	91.99	99.75	0.00	11492.74
11:49:32	894.71	92.56	191.86	91.99	99.75	0.00	11492.74
11:49:48	894.71	92.56	191.86	91.99	99.75	0.00	11492.74
11:50:04	894.68	92.82	191.88	92.22	99.93	0.00	11492.74
11:50:20	894.68	92.82	191.88	92.22	99.93	0.00	11492.74
11:50:36	894.68	92.82	191.88	92.22	99.93	0.00	11492.74
11:50:52	894.68	92.82	191.88	92.22	99.93	0.00	11492.74
11:51:08	894.66	93.05	191.86	92.45	100.14	0.00	11492.74
11:51:24	894.66	93.05	191.86	92.45	100.14	0.00	11492.74
11:51:40	894.66	93.05	191.86	92.45	100.14	0.00	11492.74
11:51:56	894.66	93.05	191.86	92.45	100.14	0.00	11492.74
11:52:12	894.66	93.29	191.85	92.70	100.40	0.00	11492.74
11:52:28	894.66	93.29	191.85	92.70	100.40	0.00	11492.74
11:52:44	894.66	93.29	191.85	92.70	100.40	0.00	11492.74
11:53:00	894.66	93.29	191.85	92.70	100.40	0.00	11492.74
11:53:16	894.64	93.48	191.83	92.93	100.50	0.00	11492.74
11:53:32	894.64	93.48	191.83	92.93	100.50	0.00	11492.74
11:53:48	894.64	93.48	191.83	92.93	100.50	0.00	11492.74
11:54:04	894.62	93.66	191.81	93.14	100.61	0.00	11492.74
11:54:20	894.62	93.66	191.81	93.14	100.61	0.00	11492.74
11:54:36	894.62	93.66	191.81	93.14	100.61	0.00	11492.74
11:54:52	894.62	93.66	191.81	93.14	100.61	0.00	11492.74
11:55:08	894.09	93.87	191.70	93.36	100.09	0.00	11503.25
11:55:24	894.09	93.87	191.70	93.36	100.09	0.00	11503.25
11:55:40	894.09	93.87	191.70	93.36	100.09	0.00	11503.25
11:55:56	894.09	93.87	191.70	93.36	100.09	0.00	11503.25
11:56:12	894.34	94.14	191.60	93.63	100.73	0.00	11508.64
11:56:28	894.34	94.14	191.60	93.63	100.73	0.00	11508.64
11:56:44	894.34	94.14	191.60	93.63	100.73	0.00	11508.64
11:57:00	894.34	94.14	191.60	93.63	100.73	0.00	11508.64
11:57:16	894.35	94.41	191.72	93.93	101.24	0.00	11508.64
11:57:32	894.35	94.41	191.72	93.93	101.24	0.00	11508.64
11:57:48	894.35	94.41	191.72	93.93	101.24	0.00	11508.64
11:58:04	894.30	94.70	191.70	94.24	101.37	0.00	11508.64
11:58:20	894.30	94.70	191.70	94.24	101.37	0.00	11508.64
11:58:36	894.30	94.70	191.70	94.24	101.37	0.00	11508.64
11:58:52	894.30	94.70	191.70	94.24	101.37	0.00	11508.64
11:59:08	894.26	94.91	191.67	94.52	101.35	0.00	11508.64
11:59:24	894.26	94.91	191.67	94.52	101.35	0.00	11508.64
11:59:40	894.26	94.91	191.67	94.52	101.35	0.00	11508.64
11:59:56	894.26	94.91	191.67	94.52	101.35	0.00	11508.64
12:00:12	902.00	95.03	193.54	94.74	102.72	366.89	11836.42
12:00:28	902.00	95.03	193.54	94.74	102.72	366.89	11836.42

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
12:00:44	902.00	95.03	193.54	94.74	102.72	366.89	11836.42
12:01:00	902.00	95.03	193.54	94.74	102.72	366.89	11836.42
12:01:16	909.91	95.10	195.45	94.89	101.75	391.37	12215.11
12:01:32	909.91	95.10	195.45	94.89	101.75	391.37	12215.11
12:01:48	909.91	95.10	195.45	94.89	101.75	391.37	12215.11
12:02:04	916.02	95.21	197.68	95.04	99.96	390.89	12608.32
12:02:20	916.02	95.21	197.68	95.04	99.96	390.89	12608.32
12:02:36	916.02	95.21	197.68	95.04	99.96	390.89	12608.32
12:02:52	916.02	95.21	197.68	95.04	99.96	390.89	12608.32
12:03:08	918.25	95.35	199.98	95.23	97.92	393.09	13000.08
12:03:24	918.25	95.35	199.98	95.23	97.92	393.09	13000.08
12:03:40	918.25	95.35	199.98	95.23	97.92	393.09	13000.08
12:03:56	918.25	95.35	199.98	95.23	97.92	393.09	13000.08
12:04:12	920.53	95.52	202.35	95.42	96.04	390.75	13392.75
12:04:28	920.53	95.52	202.35	95.42	96.04	390.75	13392.75
12:04:44	920.53	95.52	202.35	95.42	96.04	390.75	13392.75
12:05:00	920.53	95.52	202.35	95.42	96.04	390.75	13392.75
12:05:16	922.75	95.74	204.77	95.66	94.40	378.08	13778.44
12:05:32	922.75	95.74	204.77	95.66	94.40	378.08	13778.44
12:05:48	922.75	95.74	204.77	95.66	94.40	378.08	13778.44
12:06:04	924.93	96.04	207.13	95.93	93.01	380.10	14159.26
12:06:20	924.93	96.04	207.13	95.93	93.01	380.10	14159.26
12:06:36	924.93	96.04	207.13	95.93	93.01	380.10	14159.26
12:06:52	924.93	96.04	207.13	95.93	93.01	380.10	14159.26
12:07:08	927.21	96.31	209.57	96.23	91.87	383.88	14545.30
12:07:24	927.21	96.31	209.57	96.23	91.87	383.88	14545.30
12:07:40	927.21	96.31	209.57	96.23	91.87	383.88	14545.30
12:07:56	927.21	96.31	209.57	96.23	91.87	383.88	14545.30
12:08:12	929.49	96.55	211.92	96.49	91.04	390.76	14933.06
12:08:28	929.49	96.55	211.92	96.49	91.04	390.76	14933.06
12:08:44	929.49	96.55	211.92	96.49	91.04	390.76	14933.06
12:09:00	929.49	96.55	211.92	96.49	91.04	390.76	14933.06
12:09:16	931.67	96.73	214.30	96.72	90.63	387.91	15322.76
12:09:32	931.67	96.73	214.30	96.72	90.63	387.91	15322.76
12:09:48	931.67	96.73	214.30	96.72	90.63	387.91	15322.76
12:10:04	937.09	96.92	219.22	96.93	89.60	980.65	16158.34
12:10:20	937.09	96.92	219.22	96.93	89.60	980.65	16158.34
12:10:36	937.09	96.92	219.22	96.93	89.60	980.65	16158.34
12:10:52	937.09	96.92	219.22	96.93	89.60	980.65	16158.34
12:11:08	942.92	97.12	225.40	97.14	90.75	987.50	17141.87
12:11:24	942.92	97.12	225.40	97.14	90.75	987.50	17141.87
12:11:40	942.92	97.12	225.40	97.14	90.75	987.50	17141.87
12:11:56	942.92	97.12	225.40	97.14	90.75	987.50	17141.87

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
12:12:12	944.60	97.30	227.76	97.35	91.62	0.00	17555.24
12:12:28	944.60	97.30	227.76	97.35	91.62	0.00	17555.24
12:12:44	944.60	97.30	227.76	97.35	91.62	0.00	17555.24
12:13:00	944.60	97.30	227.76	97.35	91.62	0.00	17555.24
12:13:16	944.50	97.51	227.51	97.54	92.27	0.00	17555.24
12:13:32	944.50	97.51	227.51	97.54	92.27	0.00	17555.24
12:13:48	944.50	97.51	227.51	97.54	92.27	0.00	17555.24
12:14:04	944.37	97.74	227.38	97.75	92.81	0.00	17555.24
12:14:20	944.37	97.74	227.38	97.75	92.81	0.00	17555.24
12:14:36	944.37	97.74	227.38	97.75	92.81	0.00	17555.24
12:14:52	944.37	97.74	227.38	97.75	92.81	0.00	17555.24
12:15:08	944.25	97.99	227.26	97.97	93.39	0.00	17555.24
12:15:24	944.25	97.99	227.26	97.97	93.39	0.00	17555.24
12:15:40	944.25	97.99	227.26	97.97	93.39	0.00	17555.24
12:15:56	944.25	97.99	227.26	97.97	93.39	0.00	17555.24
12:16:12	944.16	98.17	227.13	98.17	93.81	0.00	17555.24
12:16:28	944.16	98.17	227.13	98.17	93.81	0.00	17555.24
12:16:44	944.16	98.17	227.13	98.17	93.81	0.00	17555.24
12:17:00	944.16	98.17	227.13	98.17	93.81	0.00	17555.24
12:17:16	944.09	98.21	227.06	98.26	94.19	0.00	17555.24
12:17:32	944.09	98.21	227.06	98.26	94.19	0.00	17555.24
12:17:48	944.09	98.21	227.06	98.26	94.19	0.00	17555.24
12:18:04	944.02	98.23	226.93	98.30	94.54	0.00	17555.24
12:18:20	944.02	98.23	226.93	98.30	94.54	0.00	17555.24
12:18:36	944.02	98.23	226.93	98.30	94.54	0.00	17555.24
12:18:52	944.02	98.23	226.93	98.30	94.54	0.00	17555.24
12:19:08	943.96	98.24	226.90	98.36	94.88	0.00	17555.24
12:19:24	943.96	98.24	226.90	98.36	94.88	0.00	17555.24
12:19:40	943.96	98.24	226.90	98.36	94.88	0.00	17555.24
12:19:56	943.96	98.24	226.90	98.36	94.88	0.00	17555.24
12:20:12	943.91	98.28	226.87	98.41	95.25	0.00	17555.24
12:20:28	943.91	98.28	226.87	98.41	95.25	0.00	17555.24
12:20:44	943.91	98.28	226.87	98.41	95.25	0.00	17555.24
12:21:00	943.91	98.28	226.87	98.41	95.25	0.00	17555.24
12:21:16	946.53	98.38	229.35	98.53	96.93	511.00	17957.79
12:21:32	946.53	98.38	229.35	98.53	96.93	511.00	17957.79
12:21:48	946.53	98.38	229.35	98.53	96.93	511.00	17957.79
12:22:04	949.18	98.56	232.49	98.74	96.82	519.46	18471.72
12:22:20	949.18	98.56	232.49	98.74	96.82	519.46	18471.72
12:22:36	949.18	98.56	232.49	98.74	96.82	519.46	18471.72
12:22:52	949.18	98.56	232.49	98.74	96.82	519.46	18471.72
12:23:08	952.65	98.79	236.00	98.94	95.43	556.49	19060.26
12:23:24	952.65	98.79	236.00	98.94	95.43	556.49	19060.26

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
12:23:40	952.65	98.79	236.00	98.94	95.43	556.49	19060.26
12:23:56	952.65	98.79	236.00	98.94	95.43	556.49	19060.26
12:24:12	955.72	99.04	239.18	99.17	93.53	532.85	19603.93
12:24:28	955.72	99.04	239.18	99.17	93.53	532.85	19603.93
12:24:44	955.72	99.04	239.18	99.17	93.53	532.85	19603.93
12:25:00	955.72	99.04	239.18	99.17	93.53	532.85	19603.93
12:25:16	958.83	99.28	242.23	99.40	92.10	515.29	20129.13
12:25:32	958.83	99.28	242.23	99.40	92.10	515.29	20129.13
12:25:48	958.83	99.28	242.23	99.40	92.10	515.29	20129.13
12:26:04	961.55	99.53	245.24	99.64	91.03	520.53	20645.17
12:26:20	961.55	99.53	245.24	99.64	91.03	520.53	20645.17
12:26:36	961.55	99.53	245.24	99.64	91.03	520.53	20645.17
12:26:52	961.55	99.53	245.24	99.64	91.03	520.53	20645.17
12:27:08	964.23	99.74	248.23	99.87	90.36	536.86	21171.19
12:27:24	964.23	99.74	248.23	99.87	90.36	536.86	21171.19
12:27:40	964.23	99.74	248.23	99.87	90.36	536.86	21171.19
12:27:56	964.23	99.74	248.23	99.87	90.36	536.86	21171.19
12:28:12	967.20	99.90	251.22	100.05	90.15	534.60	21704.41
12:28:28	967.20	99.90	251.22	100.05	90.15	534.60	21704.41
12:28:44	967.20	99.90	251.22	100.05	90.15	534.60	21704.41
12:29:00	967.20	99.90	251.22	100.05	90.15	534.60	21704.41
12:29:16	969.82	100.03	254.14	100.21	90.41	531.47	22239.54
12:29:32	969.82	100.03	254.14	100.21	90.41	531.47	22239.54
12:29:48	969.82	100.03	254.14	100.21	90.41	531.47	22239.54
12:30:04	970.31	100.11	254.41	100.32	91.32	0.00	22319.27
12:30:20	970.31	100.11	254.41	100.32	91.32	0.00	22319.27
12:30:36	970.31	100.11	254.41	100.32	91.32	0.00	22319.27
12:30:52	970.31	100.11	254.41	100.32	91.32	0.00	22319.27
12:31:08	970.11	100.15	254.25	100.39	92.22	0.00	22319.27
12:31:24	970.11	100.15	254.25	100.39	92.22	0.00	22319.27
12:31:40	970.11	100.15	254.25	100.39	92.22	0.00	22319.27
12:31:56	970.11	100.15	254.25	100.39	92.22	0.00	22319.27
12:32:12	969.98	100.21	254.12	100.45	92.86	0.00	22319.27
12:32:28	969.98	100.21	254.12	100.45	92.86	0.00	22319.27
12:32:44	969.98	100.21	254.12	100.45	92.86	0.00	22319.27
12:33:00	969.98	100.21	254.12	100.45	92.86	0.00	22319.27
12:33:16	969.86	100.29	253.99	100.55	93.36	0.00	22319.27
12:33:32	969.86	100.29	253.99	100.55	93.36	0.00	22319.27
12:33:48	969.86	100.29	253.99	100.55	93.36	0.00	22319.27
12:34:04	969.79	100.35	253.90	100.62	93.69	0.00	22319.27
12:34:20	969.79	100.35	253.90	100.62	93.69	0.00	22319.27
12:34:36	969.79	100.35	253.90	100.62	93.69	0.00	22319.27
12:34:52	969.79	100.35	253.90	100.62	93.69	0.00	22319.27

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
12:35:08	969.68	100.38	253.81	100.66	94.09	0.00	22319.27
12:35:24	969.68	100.38	253.81	100.66	94.09	0.00	22319.27
12:35:40	969.68	100.38	253.81	100.66	94.09	0.00	22319.27
12:35:56	969.68	100.38	253.81	100.66	94.09	0.00	22319.27
12:36:12	969.60	100.51	253.71	100.79	94.51	0.00	22319.27
12:36:28	969.60	100.51	253.71	100.79	94.51	0.00	22319.27
12:36:44	969.60	100.51	253.71	100.79	94.51	0.00	22319.27
12:37:00	969.60	100.51	253.71	100.79	94.51	0.00	22319.27
12:37:16	969.50	100.72	253.65	101.01	95.12	0.00	22319.27
12:37:32	969.50	100.72	253.65	101.01	95.12	0.00	22319.27
12:37:48	969.50	100.72	253.65	101.01	95.12	0.00	22319.27
12:38:04	969.43	101.02	253.58	101.27	95.80	0.00	22319.27
12:38:20	969.43	101.02	253.58	101.27	95.80	0.00	22319.27
12:38:36	969.43	101.02	253.58	101.27	95.80	0.00	22319.27
12:38:52	969.43	101.02	253.58	101.27	95.80	0.00	22319.27
12:39:08	969.37	101.31	253.50	101.55	96.35	0.00	22319.27
12:39:24	969.37	101.31	253.50	101.55	96.35	0.00	22319.27
12:39:40	969.37	101.31	253.50	101.55	96.35	0.00	22319.27
12:39:56	969.37	101.31	253.50	101.55	96.35	0.00	22319.27
12:40:12	969.31	101.56	253.43	101.78	96.87	0.00	22319.27
12:40:28	969.31	101.56	253.43	101.78	96.87	0.00	22319.27
12:40:44	969.31	101.56	253.43	101.78	96.87	0.00	22319.27
12:41:00	969.31	101.56	253.43	101.78	96.87	0.00	22319.27
12:41:16	969.24	101.73	253.34	101.95	97.32	0.00	22319.27
12:41:32	969.24	101.73	253.34	101.95	97.32	0.00	22319.27
12:41:48	969.24	101.73	253.34	101.95	97.32	0.00	22319.27
12:42:04	969.20	101.86	253.30	102.05	97.72	0.00	22319.27
12:42:20	969.20	101.86	253.30	102.05	97.72	0.00	22319.27
12:42:36	969.20	101.86	253.30	102.05	97.72	0.00	22319.27
12:42:52	969.20	101.86	253.30	102.05	97.72	0.00	22319.27
12:43:08	971.83	101.99	255.97	102.17	99.21	936.06	22774.28
12:43:24	971.83	101.99	255.97	102.17	99.21	936.06	22774.28
12:43:40	971.83	101.99	255.97	102.17	99.21	936.06	22774.28
12:43:56	971.83	101.99	255.97	102.17	99.21	936.06	22774.28
12:44:12	977.09	102.15	261.39	102.30	99.33	953.58	23716.09
12:44:28	977.09	102.15	261.39	102.30	99.33	953.58	23716.09
12:44:44	977.09	102.15	261.39	102.30	99.33	953.58	23716.09
12:45:00	977.09	102.15	261.39	102.30	99.33	953.58	23716.09
12:45:16	981.79	102.30	266.81	102.43	99.39	950.03	24665.37
12:45:32	981.79	102.30	266.81	102.43	99.39	950.03	24665.37
12:45:48	981.79	102.30	266.81	102.43	99.39	950.03	24665.37
12:46:04	987.13	102.45	272.08	102.55	98.40	947.01	25612.08
12:46:20	987.13	102.45	272.08	102.55	98.40	947.01	25612.08

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
12:46:36	987.13	102.45	272.08	102.55	98.40	947.01	25612.08
12:46:52	987.13	102.45	272.08	102.55	98.40	947.01	25612.08
12:47:08	992.76	102.58	277.90	102.68	92.83	973.73	26668.28
12:47:24	992.76	102.58	277.90	102.68	92.83	973.73	26668.28
12:47:40	992.76	102.58	277.90	102.68	92.83	973.73	26668.28
12:47:56	992.76	102.58	277.90	102.68	92.83	973.73	26668.28
12:48:12	997.79	102.72	283.16	102.80	87.30	978.02	27642.93
12:48:28	997.79	102.72	283.16	102.80	87.30	978.02	27642.93
12:48:44	997.79	102.72	283.16	102.80	87.30	978.02	27642.93
12:49:00	997.79	102.72	283.16	102.80	87.30	978.02	27642.93
12:49:16	1002.47	102.78	288.31	102.87	83.81	953.51	28613.81
12:49:32	1002.47	102.78	288.31	102.87	83.81	953.51	28613.81
12:49:48	1002.47	102.78	288.31	102.87	83.81	953.51	28613.81
12:50:04	1005.31	102.88	291.08	102.95	84.07	950.99	29163.77
12:50:20	1005.31	102.88	291.08	102.95	84.07	950.99	29163.77
12:50:36	1005.31	102.88	291.08	102.95	84.07	950.99	29163.77
12:50:52	1005.31	102.88	291.08	102.95	84.07	950.99	29163.77
12:51:08	1010.22	102.99	296.18	103.05	83.58	968.67	30126.24
12:51:24	1010.22	102.99	296.18	103.05	83.58	968.67	30126.24
12:51:40	1010.22	102.99	296.18	103.05	83.58	968.67	30126.24
12:51:56	1010.22	102.99	296.18	103.05	83.58	968.67	30126.24
12:52:12	1014.70	103.10	301.16	103.13	84.87	961.50	31092.57
12:52:28	1014.70	103.10	301.16	103.13	84.87	961.50	31092.57
12:52:44	1014.70	103.10	301.16	103.13	84.87	961.50	31092.57
12:53:00	1014.70	103.10	301.16	103.13	84.87	961.50	31092.57
12:53:16	1019.87	103.17	306.06	103.18	86.27	963.38	32054.22
12:53:32	1019.87	103.17	306.06	103.18	86.27	963.38	32054.22
12:53:48	1019.87	103.17	306.06	103.18	86.27	963.38	32054.22
12:54:04	1024.56	103.19	311.38	103.19	84.42	1084.61	33096.00
12:54:20	1024.56	103.19	311.38	103.19	84.42	1084.61	33096.00
12:54:36	1024.56	103.19	311.38	103.19	84.42	1084.61	33096.00
12:54:52	1024.56	103.19	311.38	103.19	84.42	1084.61	33096.00
12:55:08	1025.49	103.14	312.19	103.14	85.14	0.00	33290.27
12:55:24	1025.49	103.14	312.19	103.14	85.14	0.00	33290.27
12:55:40	1025.49	103.14	312.19	103.14	85.14	0.00	33290.27
12:55:56	1025.49	103.14	312.19	103.14	85.14	0.00	33290.27
12:56:12	1025.57	103.02	312.03	103.01	86.96	7.10	33329.94
12:56:28	1025.57	103.02	312.03	103.01	86.96	7.10	33329.94
12:56:44	1025.57	103.02	312.03	103.01	86.96	7.10	33329.94
12:57:00	1025.57	103.02	312.03	103.01	86.96	7.10	33329.94
12:57:16	1025.41	102.89	312.03	102.89	87.98	0.00	33366.92
12:57:32	1025.41	102.89	312.03	102.89	87.98	0.00	33366.92
12:57:48	1025.41	102.89	312.03	102.89	87.98	0.00	33366.92

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
12:58:04	1025.67	102.71	312.06	102.71	88.88	0.00	33407.85
12:58:20	1025.67	102.71	312.06	102.71	88.88	0.00	33407.85
12:58:36	1025.67	102.71	312.06	102.71	88.88	0.00	33407.85
12:58:52	1025.67	102.71	312.06	102.71	88.88	0.00	33407.85
12:59:08	1025.03	102.53	311.89	102.51	89.62	0.00	33424.59
12:59:24	1025.03	102.53	311.89	102.51	89.62	0.00	33424.59
12:59:40	1025.03	102.53	311.89	102.51	89.62	0.00	33424.59
12:59:56	1025.03	102.53	311.89	102.51	89.62	0.00	33424.59
13:00:12	1025.29	102.40	311.82	102.34	90.41	0.00	33426.73
13:00:28	1025.29	102.40	311.82	102.34	90.41	0.00	33426.73
13:00:44	1025.29	102.40	311.82	102.34	90.41	0.00	33426.73
13:01:00	1025.29	102.40	311.82	102.34	90.41	0.00	33426.73
13:01:16	1025.14	102.22	311.72	102.15	91.20	0.00	33428.74
13:01:32	1025.14	102.22	311.72	102.15	91.20	0.00	33428.74
13:01:48	1025.14	102.22	311.72	102.15	91.20	0.00	33428.74
13:02:04	1024.96	102.05	311.67	101.98	91.99	0.00	33434.64
13:02:20	1024.96	102.05	311.67	101.98	91.99	0.00	33434.64
13:02:36	1024.96	102.05	311.67	101.98	91.99	0.00	33434.64
13:02:52	1024.96	102.05	311.67	101.98	91.99	0.00	33434.64
13:03:08	1024.96	101.89	311.52	101.81	92.76	0.00	33434.64
13:03:24	1024.96	101.89	311.52	101.81	92.76	0.00	33434.64
13:03:40	1024.96	101.89	311.52	101.81	92.76	0.00	33434.64
13:03:56	1024.96	101.89	311.52	101.81	92.76	0.00	33434.64
13:04:12	1024.85	101.76	311.42	101.66	93.66	15.88	33435.23
13:04:28	1024.85	101.76	311.42	101.66	93.66	15.88	33435.23
13:04:44	1024.85	101.76	311.42	101.66	93.66	15.88	33435.23
13:05:00	1024.85	101.76	311.42	101.66	93.66	15.88	33435.23
13:05:16	1026.23	101.73	312.96	101.60	94.42	971.88	33728.88
13:05:32	1026.23	101.73	312.96	101.60	94.42	971.88	33728.88
13:05:48	1026.23	101.73	312.96	101.60	94.42	971.88	33728.88
13:06:04	1030.82	101.78	318.10	101.64	99.73	972.65	34705.46
13:06:20	1030.82	101.78	318.10	101.64	99.73	972.65	34705.46
13:06:36	1030.82	101.78	318.10	101.64	99.73	972.65	34705.46
13:06:52	1030.82	101.78	318.10	101.64	99.73	972.65	34705.46
13:07:08	1035.78	101.97	323.13	101.81	109.78	985.08	35689.05
13:07:24	1035.78	101.97	323.13	101.81	109.78	985.08	35689.05
13:07:40	1035.78	101.97	323.13	101.81	109.78	985.08	35689.05
13:07:56	1035.78	101.97	323.13	101.81	109.78	985.08	35689.05
13:08:12	1040.41	102.11	328.11	101.99	122.09	997.33	36682.44
13:08:28	1040.41	102.11	328.11	101.99	122.09	997.33	36682.44
13:08:44	1040.41	102.11	328.11	101.99	122.09	997.33	36682.44
13:09:00	1040.41	102.11	328.11	101.99	122.09	997.33	36682.44
13:09:16	1045.36	102.10	332.92	102.06	134.35	992.50	37678.48

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
13:09:32	1045.36	102.10	332.92	102.06	134.35	992.50	37678.48
13:09:48	1045.36	102.10	332.92	102.06	134.35	992.50	37678.48
13:10:04	1050.00	101.93	337.87	102.01	145.72	985.70	38669.04
13:10:20	1050.00	101.93	337.87	102.01	145.72	985.70	38669.04
13:10:36	1050.00	101.93	337.87	102.01	145.72	985.70	38669.04
13:10:52	1050.00	101.93	337.87	102.01	145.72	985.70	38669.04
13:11:08	1054.90	101.86	342.60	101.97	153.54	985.73	39656.14
13:11:24	1054.90	101.86	342.60	101.97	153.54	985.73	39656.14
13:11:40	1054.90	101.86	342.60	101.97	153.54	985.73	39656.14
13:11:56	1054.90	101.86	342.60	101.97	153.54	985.73	39656.14
13:12:12	1058.98	101.99	347.28	102.04	154.97	981.33	40639.56
13:12:28	1058.98	101.99	347.28	102.04	154.97	981.33	40639.56
13:12:44	1058.98	101.99	347.28	102.04	154.97	981.33	40639.56
13:13:00	1058.98	101.99	347.28	102.04	154.97	981.33	40639.56
13:13:16	1064.47	102.28	352.35	102.24	143.29	1237.97	41701.90
13:13:32	1064.47	102.28	352.35	102.24	143.29	1237.97	41701.90
13:13:48	1064.47	102.28	352.35	102.24	143.29	1237.97	41701.90
13:14:04	1068.34	102.67	356.25	102.57	127.79	0.00	42568.67
13:14:20	1068.34	102.67	356.25	102.57	127.79	0.00	42568.67
13:14:36	1068.34	102.67	356.25	102.57	127.79	0.00	42568.67
13:14:52	1068.34	102.67	356.25	102.57	127.79	0.00	42568.67
13:15:08	1067.53	103.09	355.95	102.96	132.30	0.00	42569.13
13:15:24	1067.53	103.09	355.95	102.96	132.30	0.00	42569.13
13:15:40	1067.53	103.09	355.95	102.96	132.30	0.00	42569.13
13:15:56	1067.53	103.09	355.95	102.96	132.30	0.00	42569.13
13:16:12	1067.20	103.57	355.59	103.39	134.73	0.00	42569.13
13:16:28	1067.20	103.57	355.59	103.39	134.73	0.00	42569.13
13:16:44	1067.20	103.57	355.59	103.39	134.73	0.00	42569.13
13:17:00	1067.20	103.57	355.59	103.39	134.73	0.00	42569.13
13:17:16	1066.92	103.93	355.32	103.73	135.07	0.00	42569.13
13:17:32	1066.92	103.93	355.32	103.73	135.07	0.00	42569.13
13:17:48	1066.92	103.93	355.32	103.73	135.07	0.00	42569.13
13:18:04	1066.70	104.00	355.09	103.85	134.12	0.00	42569.13
13:18:20	1066.70	104.00	355.09	103.85	134.12	0.00	42569.13
13:18:36	1066.70	104.00	355.09	103.85	134.12	0.00	42569.13
13:18:52	1066.70	104.00	355.09	103.85	134.12	0.00	42569.13
13:19:08	1066.48	103.80	354.90	103.78	132.42	0.00	42569.13
13:19:24	1066.48	103.80	354.90	103.78	132.42	0.00	42569.13
13:19:40	1066.48	103.80	354.90	103.78	132.42	0.00	42569.13
13:19:56	1066.48	103.80	354.90	103.78	132.42	0.00	42569.13
13:20:12	1066.30	103.48	354.70	103.56	130.76	0.00	42569.13
13:20:28	1066.30	103.48	354.70	103.56	130.76	0.00	42569.13
13:20:44	1066.30	103.48	354.70	103.56	130.76	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
13:21:00	1066.30	103.48	354.70	103.56	130.76	0.00	42569.13
13:21:16	1066.13	103.15	354.53	103.29	129.23	0.00	42569.13
13:21:32	1066.13	103.15	354.53	103.29	129.23	0.00	42569.13
13:21:48	1066.13	103.15	354.53	103.29	129.23	0.00	42569.13
13:22:04	1065.97	102.90	354.35	103.02	127.94	0.00	42569.13
13:22:20	1065.97	102.90	354.35	103.02	127.94	0.00	42569.13
13:22:36	1065.97	102.90	354.35	103.02	127.94	0.00	42569.13
13:22:52	1065.97	102.90	354.35	103.02	127.94	0.00	42569.13
13:23:08	1065.83	102.75	354.19	102.83	126.81	0.00	42569.13
13:23:24	1065.83	102.75	354.19	102.83	126.81	0.00	42569.13
13:23:40	1065.83	102.75	354.19	102.83	126.81	0.00	42569.13
13:23:56	1065.83	102.75	354.19	102.83	126.81	0.00	42569.13
13:24:12	1065.68	102.65	354.03	102.68	125.70	0.00	42569.13
13:24:28	1065.68	102.65	354.03	102.68	125.70	0.00	42569.13
13:24:44	1065.68	102.65	354.03	102.68	125.70	0.00	42569.13
13:25:00	1065.68	102.65	354.03	102.68	125.70	0.00	42569.13
13:25:16	1065.54	102.51	353.85	102.53	124.78	0.00	42569.13
13:25:32	1065.54	102.51	353.85	102.53	124.78	0.00	42569.13
13:25:48	1065.54	102.51	353.85	102.53	124.78	0.00	42569.13
13:26:04	1065.44	102.43	353.73	102.42	124.02	0.00	42569.13
13:26:20	1065.44	102.43	353.73	102.42	124.02	0.00	42569.13
13:26:36	1065.44	102.43	353.73	102.42	124.02	0.00	42569.13
13:26:52	1065.44	102.43	353.73	102.42	124.02	0.00	42569.13
13:27:08	1065.29	102.47	353.62	102.41	123.43	0.00	42569.13
13:27:24	1065.29	102.47	353.62	102.41	123.43	0.00	42569.13
13:27:40	1065.29	102.47	353.62	102.41	123.43	0.00	42569.13
13:27:56	1065.29	102.47	353.62	102.41	123.43	0.00	42569.13
13:28:12	1065.17	102.66	353.48	102.56	122.62	0.00	42569.13
13:28:28	1065.17	102.66	353.48	102.56	122.62	0.00	42569.13
13:28:44	1065.17	102.66	353.48	102.56	122.62	0.00	42569.13
13:29:00	1065.17	102.66	353.48	102.56	122.62	0.00	42569.13
13:29:16	1065.06	102.86	353.37	102.76	121.78	0.00	42569.13
13:29:32	1065.06	102.86	353.37	102.76	121.78	0.00	42569.13
13:29:48	1065.06	102.86	353.37	102.76	121.78	0.00	42569.13
13:30:04	1064.95	103.09	353.24	103.03	121.35	0.00	42569.13
13:30:20	1064.95	103.09	353.24	103.03	121.35	0.00	42569.13
13:30:36	1064.95	103.09	353.24	103.03	121.35	0.00	42569.13
13:30:52	1064.95	103.09	353.24	103.03	121.35	0.00	42569.13
13:31:08	1064.84	103.39	353.13	103.34	120.94	0.00	42569.13
13:31:24	1064.84	103.39	353.13	103.34	120.94	0.00	42569.13
13:31:40	1064.84	103.39	353.13	103.34	120.94	0.00	42569.13
13:31:56	1064.84	103.39	353.13	103.34	120.94	0.00	42569.13
13:32:12	1064.75	103.61	353.03	103.62	120.33	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
13:32:28	1064.75	103.61	353.03	103.62	120.33	0.00	42569.13
13:32:44	1064.75	103.61	353.03	103.62	120.33	0.00	42569.13
13:33:00	1064.75	103.61	353.03	103.62	120.33	0.00	42569.13
13:33:16	1064.67	103.72	352.94	103.82	119.64	0.00	42569.13
13:33:32	1064.67	103.72	352.94	103.82	119.64	0.00	42569.13
13:33:48	1064.67	103.72	352.94	103.82	119.64	0.00	42569.13
13:34:04	1064.56	103.82	352.84	103.98	118.81	0.00	42569.13
13:34:20	1064.56	103.82	352.84	103.98	118.81	0.00	42569.13
13:34:36	1064.56	103.82	352.84	103.98	118.81	0.00	42569.13
13:34:52	1064.56	103.82	352.84	103.98	118.81	0.00	42569.13
13:35:08	1064.49	103.92	352.75	104.14	118.00	0.00	42569.13
13:35:24	1064.49	103.92	352.75	104.14	118.00	0.00	42569.13
13:35:40	1064.49	103.92	352.75	104.14	118.00	0.00	42569.13
13:35:56	1064.49	103.92	352.75	104.14	118.00	0.00	42569.13
13:36:12	1064.41	103.93	352.66	104.22	117.13	0.00	42569.13
13:36:28	1064.41	103.93	352.66	104.22	117.13	0.00	42569.13
13:36:44	1064.41	103.93	352.66	104.22	117.13	0.00	42569.13
13:37:00	1064.41	103.93	352.66	104.22	117.13	0.00	42569.13
13:37:16	1064.33	103.89	352.57	104.27	116.49	0.00	42569.13
13:37:32	1064.33	103.89	352.57	104.27	116.49	0.00	42569.13
13:37:48	1064.33	103.89	352.57	104.27	116.49	0.00	42569.13
13:38:04	1064.25	103.86	352.49	104.28	116.02	0.00	42569.13
13:38:20	1064.25	103.86	352.49	104.28	116.02	0.00	42569.13
13:38:36	1064.25	103.86	352.49	104.28	116.02	0.00	42569.13
13:38:52	1064.25	103.86	352.49	104.28	116.02	0.00	42569.13
13:39:08	1064.17	103.84	352.41	104.27	115.55	0.00	42569.13
13:39:24	1064.17	103.84	352.41	104.27	115.55	0.00	42569.13
13:39:40	1064.17	103.84	352.41	104.27	115.55	0.00	42569.13
13:39:56	1064.17	103.84	352.41	104.27	115.55	0.00	42569.13
13:40:12	1064.07	103.90	352.32	104.27	115.24	0.00	42569.13
13:40:28	1064.07	103.90	352.32	104.27	115.24	0.00	42569.13
13:40:44	1064.07	103.90	352.32	104.27	115.24	0.00	42569.13
13:41:00	1064.07	103.90	352.32	104.27	115.24	0.00	42569.13
13:41:16	1064.00	103.95	352.26	104.25	115.03	0.00	42569.13
13:41:32	1064.00	103.95	352.26	104.25	115.03	0.00	42569.13
13:41:48	1064.00	103.95	352.26	104.25	115.03	0.00	42569.13
13:42:04	1063.93	104.02	352.17	104.24	114.78	0.00	42569.13
13:42:20	1063.93	104.02	352.17	104.24	114.78	0.00	42569.13
13:42:36	1063.93	104.02	352.17	104.24	114.78	0.00	42569.13
13:42:52	1063.93	104.02	352.17	104.24	114.78	0.00	42569.13
13:43:08	1063.87	104.03	352.10	104.24	114.45	0.00	42569.13
13:43:24	1063.87	104.03	352.10	104.24	114.45	0.00	42569.13
13:43:40	1063.87	104.03	352.10	104.24	114.45	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
13:43:56	1063.87	104.03	352.10	104.24	114.45	0.00	42569.13
13:44:12	1063.80	104.04	352.03	104.25	114.02	0.00	42569.13
13:44:28	1063.80	104.04	352.03	104.25	114.02	0.00	42569.13
13:44:44	1063.80	104.04	352.03	104.25	114.02	0.00	42569.13
13:45:00	1063.80	104.04	352.03	104.25	114.02	0.00	42569.13
13:45:16	1063.72	103.94	351.96	104.23	113.55	0.00	42569.13
13:45:32	1063.72	103.94	351.96	104.23	113.55	0.00	42569.13
13:45:48	1063.72	103.94	351.96	104.23	113.55	0.00	42569.13
13:46:04	1063.65	103.83	351.89	104.16	113.23	0.00	42569.13
13:46:20	1063.65	103.83	351.89	104.16	113.23	0.00	42569.13
13:46:36	1063.65	103.83	351.89	104.16	113.23	0.00	42569.13
13:46:52	1063.65	103.83	351.89	104.16	113.23	0.00	42569.13
13:47:08	1063.61	103.79	351.81	104.13	113.05	0.00	42569.13
13:47:24	1063.61	103.79	351.81	104.13	113.05	0.00	42569.13
13:47:40	1063.61	103.79	351.81	104.13	113.05	0.00	42569.13
13:47:56	1063.61	103.79	351.81	104.13	113.05	0.00	42569.13
13:48:12	1063.55	103.80	351.74	104.14	112.99	0.00	42569.13
13:48:28	1063.55	103.80	351.74	104.14	112.99	0.00	42569.13
13:48:44	1063.55	103.80	351.74	104.14	112.99	0.00	42569.13
13:49:00	1063.55	103.80	351.74	104.14	112.99	0.00	42569.13
13:49:16	1063.49	103.78	351.69	104.12	112.85	0.00	42569.13
13:49:32	1063.49	103.78	351.69	104.12	112.85	0.00	42569.13
13:49:48	1063.49	103.78	351.69	104.12	112.85	0.00	42569.13
13:50:04	1063.43	103.68	351.62	104.04	112.69	0.00	42569.13
13:50:20	1063.43	103.68	351.62	104.04	112.69	0.00	42569.13
13:50:36	1063.43	103.68	351.62	104.04	112.69	0.00	42569.13
13:50:52	1063.43	103.68	351.62	104.04	112.69	0.00	42569.13
13:51:08	1063.35	103.58	351.55	103.94	112.42	0.00	42569.13
13:51:24	1063.35	103.58	351.55	103.94	112.42	0.00	42569.13
13:51:40	1063.35	103.58	351.55	103.94	112.42	0.00	42569.13
13:51:56	1063.35	103.58	351.55	103.94	112.42	0.00	42569.13
13:52:12	1063.29	103.44	351.48	103.78	111.96	0.00	42569.13
13:52:28	1063.29	103.44	351.48	103.78	111.96	0.00	42569.13
13:52:44	1063.29	103.44	351.48	103.78	111.96	0.00	42569.13
13:53:00	1063.29	103.44	351.48	103.78	111.96	0.00	42569.13
13:53:16	1063.25	103.29	351.43	103.62	111.59	0.00	42569.13
13:53:32	1063.25	103.29	351.43	103.62	111.59	0.00	42569.13
13:53:48	1063.25	103.29	351.43	103.62	111.59	0.00	42569.13
13:54:04	1063.19	103.18	351.37	103.49	111.43	0.00	42569.13
13:54:20	1063.19	103.18	351.37	103.49	111.43	0.00	42569.13
13:54:36	1063.19	103.18	351.37	103.49	111.43	0.00	42569.13
13:54:52	1063.19	103.18	351.37	103.49	111.43	0.00	42569.13
13:55:08	1063.13	103.07	351.32	103.37	111.22	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
13:55:24	1063.13	103.07	351.32	103.37	111.22	0.00	42569.13
13:55:40	1063.13	103.07	351.32	103.37	111.22	0.00	42569.13
13:55:56	1063.13	103.07	351.32	103.37	111.22	0.00	42569.13
13:56:12	1063.10	102.98	351.26	103.26	111.03	0.00	42569.13
13:56:28	1063.10	102.98	351.26	103.26	111.03	0.00	42569.13
13:56:44	1063.10	102.98	351.26	103.26	111.03	0.00	42569.13
13:57:00	1063.10	102.98	351.26	103.26	111.03	0.00	42569.13
13:57:16	1063.03	102.88	351.20	103.15	110.82	0.00	42569.13
13:57:32	1063.03	102.88	351.20	103.15	110.82	0.00	42569.13
13:57:48	1063.03	102.88	351.20	103.15	110.82	0.00	42569.13
13:58:04	1062.99	102.77	351.14	103.01	110.68	0.00	42569.13
13:58:20	1062.99	102.77	351.14	103.01	110.68	0.00	42569.13
13:58:36	1062.99	102.77	351.14	103.01	110.68	0.00	42569.13
13:58:52	1062.99	102.77	351.14	103.01	110.68	0.00	42569.13
13:59:08	1062.95	102.65	351.10	102.86	110.71	0.00	42569.13
13:59:24	1062.95	102.65	351.10	102.86	110.71	0.00	42569.13
13:59:40	1062.95	102.65	351.10	102.86	110.71	0.00	42569.13
13:59:56	1062.95	102.65	351.10	102.86	110.71	0.00	42569.13
14:00:12	1062.90	102.54	351.04	102.74	110.67	0.00	42569.13
14:00:28	1062.90	102.54	351.04	102.74	110.67	0.00	42569.13
14:00:44	1062.90	102.54	351.04	102.74	110.67	0.00	42569.13
14:01:00	1062.90	102.54	351.04	102.74	110.67	0.00	42569.13
14:01:16	1062.85	102.42	350.93	102.66	110.56	0.00	42569.13
14:01:32	1062.85	102.42	350.93	102.66	110.56	0.00	42569.13
14:01:48	1062.85	102.42	350.93	102.66	110.56	0.00	42569.13
14:02:04	1062.79	102.32	350.93	102.58	110.32	0.00	42569.13
14:02:20	1062.79	102.32	350.93	102.58	110.32	0.00	42569.13
14:02:36	1062.79	102.32	350.93	102.58	110.32	0.00	42569.13
14:02:52	1062.79	102.32	350.93	102.58	110.32	0.00	42569.13
14:03:08	1062.78	102.16	350.87	102.44	109.84	0.00	42569.13
14:03:24	1062.78	102.16	350.87	102.44	109.84	0.00	42569.13
14:03:40	1062.78	102.16	350.87	102.44	109.84	0.00	42569.13
14:03:56	1062.78	102.16	350.87	102.44	109.84	0.00	42569.13
14:04:12	1062.72	101.98	350.84	102.25	109.17	0.00	42569.13
14:04:28	1062.72	101.98	350.84	102.25	109.17	0.00	42569.13
14:04:44	1062.72	101.98	350.84	102.25	109.17	0.00	42569.13
14:05:00	1062.72	101.98	350.84	102.25	109.17	0.00	42569.13
14:05:16	1062.67	101.75	350.78	102.00	108.42	0.00	42569.13
14:05:32	1062.67	101.75	350.78	102.00	108.42	0.00	42569.13
14:05:48	1062.67	101.75	350.78	102.00	108.42	0.00	42569.13
14:06:04	1062.62	101.50	350.73	101.75	107.79	0.00	42569.13
14:06:20	1062.62	101.50	350.73	101.75	107.79	0.00	42569.13
14:06:36	1062.62	101.50	350.73	101.75	107.79	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
14:06:52	1062.62	101.50	350.73	101.75	107.79	0.00	42569.13
14:07:08	1062.59	101.24	350.68	101.50	107.39	0.00	42569.13
14:07:24	1062.59	101.24	350.68	101.50	107.39	0.00	42569.13
14:07:40	1062.59	101.24	350.68	101.50	107.39	0.00	42569.13
14:07:56	1062.59	101.24	350.68	101.50	107.39	0.00	42569.13
14:08:12	1062.56	101.01	350.64	101.28	106.96	0.00	42569.13
14:08:28	1062.56	101.01	350.64	101.28	106.96	0.00	42569.13
14:08:44	1062.56	101.01	350.64	101.28	106.96	0.00	42569.13
14:09:00	1062.56	101.01	350.64	101.28	106.96	0.00	42569.13
14:09:16	1062.51	100.88	350.61	101.17	106.83	0.00	42569.13
14:09:32	1062.51	100.88	350.61	101.17	106.83	0.00	42569.13
14:09:48	1062.51	100.88	350.61	101.17	106.83	0.00	42569.13
14:10:04	1062.48	100.82	350.57	101.11	106.76	0.00	42569.13
14:10:20	1062.48	100.82	350.57	101.11	106.76	0.00	42569.13
14:10:36	1062.48	100.82	350.57	101.11	106.76	0.00	42569.13
14:10:52	1062.48	100.82	350.57	101.11	106.76	0.00	42569.13
14:11:08	1062.43	100.71	350.53	101.04	106.63	0.00	42569.13
14:11:24	1062.43	100.71	350.53	101.04	106.63	0.00	42569.13
14:11:40	1062.43	100.71	350.53	101.04	106.63	0.00	42569.13
14:11:56	1062.43	100.71	350.53	101.04	106.63	0.00	42569.13
14:12:12	1062.38	100.58	350.48	100.95	106.45	0.00	42569.13
14:12:28	1062.38	100.58	350.48	100.95	106.45	0.00	42569.13
14:12:44	1062.38	100.58	350.48	100.95	106.45	0.00	42569.13
14:13:00	1062.38	100.58	350.48	100.95	106.45	0.00	42569.13
14:13:16	1062.35	100.41	347.07	100.83	106.34	0.00	42569.13
14:13:32	1062.35	100.41	347.07	100.83	106.34	0.00	42569.13
14:13:48	1062.35	100.41	347.07	100.83	106.34	0.00	42569.13
14:14:04	1063.58	100.28	353.99	100.72	106.28	0.00	42569.13
14:14:20	1063.58	100.28	353.99	100.72	106.28	0.00	42569.13
14:14:36	1063.58	100.28	353.99	100.72	106.28	0.00	42569.13
14:14:52	1063.58	100.28	353.99	100.72	106.28	0.00	42569.13
14:15:08	1065.45	100.21	357.57	100.66	106.21	0.00	42569.13
14:15:24	1065.45	100.21	357.57	100.66	106.21	0.00	42569.13
14:15:40	1065.45	100.21	357.57	100.66	106.21	0.00	42569.13
14:15:56	1065.45	100.21	357.57	100.66	106.21	0.00	42569.13
14:16:12	1067.28	100.16	361.60	100.62	106.13	0.00	42569.13
14:16:28	1067.28	100.16	361.60	100.62	106.13	0.00	42569.13
14:16:44	1067.28	100.16	361.60	100.62	106.13	0.00	42569.13
14:17:00	1067.28	100.16	361.60	100.62	106.13	0.00	42569.13
14:17:16	1069.07	100.14	366.13	100.60	106.05	0.00	42569.13
14:17:32	1069.07	100.14	366.13	100.60	106.05	0.00	42569.13
14:17:48	1069.07	100.14	366.13	100.60	106.05	0.00	42569.13
14:18:04	1071.00	100.17	374.12	100.62	105.99	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
14:18:20	1071.00	100.17	374.12	100.62	105.99	0.00	42569.13
14:18:36	1071.00	100.17	374.12	100.62	105.99	0.00	42569.13
14:18:52	1071.00	100.17	374.12	100.62	105.99	0.00	42569.13
14:19:08	1073.42	100.26	378.67	100.68	105.95	0.00	42569.13
14:19:24	1073.42	100.26	378.67	100.68	105.95	0.00	42569.13
14:19:40	1073.42	100.26	378.67	100.68	105.95	0.00	42569.13
14:19:56	1073.42	100.26	378.67	100.68	105.95	0.00	42569.13
14:20:12	1075.89	100.39	387.04	100.78	105.98	0.00	42569.13
14:20:28	1075.89	100.39	387.04	100.78	105.98	0.00	42569.13
14:20:44	1075.89	100.39	387.04	100.78	105.98	0.00	42569.13
14:21:00	1075.89	100.39	387.04	100.78	105.98	0.00	42569.13
14:21:16	1078.43	100.55	390.87	100.92	106.01	0.00	42569.13
14:21:32	1078.43	100.55	390.87	100.92	106.01	0.00	42569.13
14:21:48	1078.43	100.55	390.87	100.92	106.01	0.00	42569.13
14:22:04	1081.14	100.74	400.85	101.09	106.08	0.00	42569.13
14:22:20	1081.14	100.74	400.85	101.09	106.08	0.00	42569.13
14:22:36	1081.14	100.74	400.85	101.09	106.08	0.00	42569.13
14:22:52	1081.14	100.74	400.85	101.09	106.08	0.00	42569.13
14:23:08	1083.97	100.87	404.84	101.23	106.10	0.00	42569.13
14:23:24	1083.97	100.87	404.84	101.23	106.10	0.00	42569.13
14:23:40	1083.97	100.87	404.84	101.23	106.10	0.00	42569.13
14:23:56	1083.97	100.87	404.84	101.23	106.10	0.00	42569.13
14:24:12	1086.87	100.92	412.15	101.31	106.05	0.00	42569.13
14:24:28	1086.87	100.92	412.15	101.31	106.05	0.00	42569.13
14:24:44	1086.87	100.92	412.15	101.31	106.05	0.00	42569.13
14:25:00	1086.87	100.92	412.15	101.31	106.05	0.00	42569.13
14:25:16	1089.77	101.07	418.09	101.42	106.12	0.00	42569.13
14:25:32	1089.77	101.07	418.09	101.42	106.12	0.00	42569.13
14:25:48	1089.77	101.07	418.09	101.42	106.12	0.00	42569.13
14:26:04	1092.64	101.24	424.25	101.59	106.15	0.00	42569.13
14:26:20	1092.64	101.24	424.25	101.59	106.15	0.00	42569.13
14:26:36	1092.64	101.24	424.25	101.59	106.15	0.00	42569.13
14:26:52	1092.64	101.24	424.25	101.59	106.15	0.00	42569.13
14:27:08	1095.47	101.39	432.01	101.76	106.17	0.00	42569.13
14:27:24	1095.47	101.39	432.01	101.76	106.17	0.00	42569.13
14:27:40	1095.47	101.39	432.01	101.76	106.17	0.00	42569.13
14:27:56	1095.47	101.39	432.01	101.76	106.17	0.00	42569.13
14:28:12	1095.29	101.51	426.25	101.92	106.22	0.00	42569.13
14:28:28	1095.29	101.51	426.25	101.92	106.22	0.00	42569.13
14:28:44	1095.29	101.51	426.25	101.92	106.22	0.00	42569.13
14:29:00	1095.29	101.51	426.25	101.92	106.22	0.00	42569.13
14:29:16	1095.06	101.64	425.68	102.04	106.38	0.00	42569.13
14:29:32	1095.06	101.64	425.68	102.04	106.38	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
14:29:48	1095.06	101.64	425.68	102.04	106.38	0.00	42569.13
14:30:04	1094.90	101.75	426.39	102.13	106.41	0.00	42569.13
14:30:20	1094.90	101.75	426.39	102.13	106.41	0.00	42569.13
14:30:36	1094.90	101.75	426.39	102.13	106.41	0.00	42569.13
14:30:52	1094.90	101.75	426.39	102.13	106.41	0.00	42569.13
14:31:08	1094.72	101.92	426.10	102.26	106.55	0.00	42569.13
14:31:24	1094.72	101.92	426.10	102.26	106.55	0.00	42569.13
14:31:40	1094.72	101.92	426.10	102.26	106.55	0.00	42569.13
14:31:56	1094.72	101.92	426.10	102.26	106.55	0.00	42569.13
14:32:12	1094.55	102.18	425.98	102.46	106.76	0.00	42569.13
14:32:28	1094.55	102.18	425.98	102.46	106.76	0.00	42569.13
14:32:44	1094.55	102.18	425.98	102.46	106.76	0.00	42569.13
14:33:00	1094.55	102.18	425.98	102.46	106.76	0.00	42569.13
14:33:16	1094.44	102.50	425.67	102.73	106.96	0.00	42569.13
14:33:32	1094.44	102.50	425.67	102.73	106.96	0.00	42569.13
14:33:48	1094.44	102.50	425.67	102.73	106.96	0.00	42569.13
14:34:04	1094.31	102.86	425.73	103.01	107.13	0.00	42569.13
14:34:20	1094.31	102.86	425.73	103.01	107.13	0.00	42569.13
14:34:36	1094.31	102.86	425.73	103.01	107.13	0.00	42569.13
14:34:52	1094.31	102.86	425.73	103.01	107.13	0.00	42569.13
14:35:08	1094.19	103.18	425.67	103.28	107.25	0.00	42569.13
14:35:24	1094.19	103.18	425.67	103.28	107.25	0.00	42569.13
14:35:40	1094.19	103.18	425.67	103.28	107.25	0.00	42569.13
14:35:56	1094.19	103.18	425.67	103.28	107.25	0.00	42569.13
14:36:12	1094.06	103.50	425.54	103.59	107.40	0.00	42569.13
14:36:28	1094.06	103.50	425.54	103.59	107.40	0.00	42569.13
14:36:44	1094.06	103.50	425.54	103.59	107.40	0.00	42569.13
14:37:00	1094.06	103.50	425.54	103.59	107.40	0.00	42569.13
14:37:16	1093.98	103.81	425.37	103.89	107.52	0.00	42569.13
14:37:32	1093.98	103.81	425.37	103.89	107.52	0.00	42569.13
14:37:48	1093.98	103.81	425.37	103.89	107.52	0.00	42569.13
14:38:04	1093.90	103.95	425.37	104.09	107.57	0.00	42569.13
14:38:20	1093.90	103.95	425.37	104.09	107.57	0.00	42569.13
14:38:36	1093.90	103.95	425.37	104.09	107.57	0.00	42569.13
14:38:52	1093.90	103.95	425.37	104.09	107.57	0.00	42569.13
14:39:08	1093.83	103.97	425.26	104.18	107.56	0.00	42569.13
14:39:24	1093.83	103.97	425.26	104.18	107.56	0.00	42569.13
14:39:40	1093.83	103.97	425.26	104.18	107.56	0.00	42569.13
14:39:56	1093.83	103.97	425.26	104.18	107.56	0.00	42569.13
14:40:12	1093.74	103.98	425.18	104.23	107.56	0.00	42569.13
14:40:28	1093.74	103.98	425.18	104.23	107.56	0.00	42569.13
14:40:44	1093.74	103.98	425.18	104.23	107.56	0.00	42569.13
14:41:00	1093.74	103.98	425.18	104.23	107.56	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
14:41:16	1093.65	104.03	425.10	104.30	107.60	0.00	42569.13
14:41:32	1093.65	104.03	425.10	104.30	107.60	0.00	42569.13
14:41:48	1093.65	104.03	425.10	104.30	107.60	0.00	42569.13
14:42:04	1093.56	104.08	425.02	104.36	107.64	0.00	42569.13
14:42:20	1093.56	104.08	425.02	104.36	107.64	0.00	42569.13
14:42:36	1093.56	104.08	425.02	104.36	107.64	0.00	42569.13
14:42:52	1093.56	104.08	425.02	104.36	107.64	0.00	42569.13
14:43:08	1093.49	104.06	424.97	104.35	107.42	0.00	42569.13
14:43:24	1093.49	104.06	424.97	104.35	107.42	0.00	42569.13
14:43:40	1093.49	104.06	424.97	104.35	107.42	0.00	42569.13
14:43:56	1093.49	104.06	424.97	104.35	107.42	0.00	42569.13
14:44:12	1093.41	104.06	424.89	104.33	107.35	0.00	42569.13
14:44:28	1093.41	104.06	424.89	104.33	107.35	0.00	42569.13
14:44:44	1093.41	104.06	424.89	104.33	107.35	0.00	42569.13
14:45:00	1093.41	104.06	424.89	104.33	107.35	0.00	42569.13
14:45:16	1093.33	104.13	424.82	104.35	107.28	0.00	42569.13
14:45:32	1093.33	104.13	424.82	104.35	107.28	0.00	42569.13
14:45:48	1093.33	104.13	424.82	104.35	107.28	0.00	42569.13
14:46:04	1093.26	104.25	424.74	104.45	107.28	0.00	42569.13
14:46:20	1093.26	104.25	424.74	104.45	107.28	0.00	42569.13
14:46:36	1093.26	104.25	424.74	104.45	107.28	0.00	42569.13
14:46:52	1093.26	104.25	424.74	104.45	107.28	0.00	42569.13
14:47:08	1093.17	104.44	424.67	104.61	107.37	0.00	42569.13
14:47:24	1093.17	104.44	424.67	104.61	107.37	0.00	42569.13
14:47:40	1093.17	104.44	424.67	104.61	107.37	0.00	42569.13
14:47:56	1093.17	104.44	424.67	104.61	107.37	0.00	42569.13
14:48:12	1093.13	104.67	424.62	104.81	107.51	0.00	42569.13
14:48:28	1093.13	104.67	424.62	104.81	107.51	0.00	42569.13
14:48:44	1093.13	104.67	424.62	104.81	107.51	0.00	42569.13
14:49:00	1093.13	104.67	424.62	104.81	107.51	0.00	42569.13
14:49:16	1093.07	104.91	424.55	105.02	107.67	0.00	42569.13
14:49:32	1093.07	104.91	424.55	105.02	107.67	0.00	42569.13
14:49:48	1093.07	104.91	424.55	105.02	107.67	0.00	42569.13
14:50:04	1093.01	105.09	424.49	105.22	107.80	0.00	42569.13
14:50:20	1093.01	105.09	424.49	105.22	107.80	0.00	42569.13
14:50:36	1093.01	105.09	424.49	105.22	107.80	0.00	42569.13
14:50:52	1093.01	105.09	424.49	105.22	107.80	0.00	42569.13
14:51:08	1092.91	105.27	424.43	105.43	107.99	0.00	42569.13
14:51:24	1092.91	105.27	424.43	105.43	107.99	0.00	42569.13
14:51:40	1092.91	105.27	424.43	105.43	107.99	0.00	42569.13
14:51:56	1092.91	105.27	424.43	105.43	107.99	0.00	42569.13
14:52:12	1092.88	105.36	424.37	105.55	108.09	0.00	42569.13
14:52:28	1092.88	105.36	424.37	105.55	108.09	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
14:52:44	1092.88	105.36	424.37	105.55	108.09	0.00	42569.13
14:53:00	1092.88	105.36	424.37	105.55	108.09	0.00	42569.13
14:53:16	1092.84	105.17	424.31	105.49	107.78	0.00	42569.13
14:53:32	1092.84	105.17	424.31	105.49	107.78	0.00	42569.13
14:53:48	1092.84	105.17	424.31	105.49	107.78	0.00	42569.13
14:54:04	1092.78	104.92	424.26	105.29	107.50	0.00	42569.13
14:54:20	1092.78	104.92	424.26	105.29	107.50	0.00	42569.13
14:54:36	1092.78	104.92	424.26	105.29	107.50	0.00	42569.13
14:54:52	1092.78	104.92	424.26	105.29	107.50	0.00	42569.13
14:55:08	1092.73	104.85	424.22	105.20	107.47	0.00	42569.13
14:55:24	1092.73	104.85	424.22	105.20	107.47	0.00	42569.13
14:55:40	1092.73	104.85	424.22	105.20	107.47	0.00	42569.13
14:55:56	1092.73	104.85	424.22	105.20	107.47	0.00	42569.13
14:56:12	1092.67	104.93	424.15	105.21	107.59	0.00	42569.13
14:56:28	1092.67	104.93	424.15	105.21	107.59	0.00	42569.13
14:56:44	1092.67	104.93	424.15	105.21	107.59	0.00	42569.13
14:57:00	1092.67	104.93	424.15	105.21	107.59	0.00	42569.13
14:57:16	1092.62	105.10	424.09	105.33	107.77	0.00	42569.13
14:57:32	1092.62	105.10	424.09	105.33	107.77	0.00	42569.13
14:57:48	1092.62	105.10	424.09	105.33	107.77	0.00	42569.13
14:58:04	1092.56	105.27	424.04	105.47	107.90	0.00	42569.13
14:58:20	1092.56	105.27	424.04	105.47	107.90	0.00	42569.13
14:58:36	1092.56	105.27	424.04	105.47	107.90	0.00	42569.13
14:58:52	1092.56	105.27	424.04	105.47	107.90	0.00	42569.13
14:59:08	1092.51	105.49	423.99	105.65	108.06	0.00	42569.13
14:59:24	1092.51	105.49	423.99	105.65	108.06	0.00	42569.13
14:59:40	1092.51	105.49	423.99	105.65	108.06	0.00	42569.13
14:59:56	1092.51	105.49	423.99	105.65	108.06	0.00	42569.13
15:00:12	1092.45	105.66	423.94	105.83	108.15	0.00	42569.13
15:00:28	1092.45	105.66	423.94	105.83	108.15	0.00	42569.13
15:00:44	1092.45	105.66	423.94	105.83	108.15	0.00	42569.13
15:01:00	1092.45	105.66	423.94	105.83	108.15	0.00	42569.13
15:01:16	1092.41	105.76	423.89	105.96	108.21	0.00	42569.13
15:01:32	1092.41	105.76	423.89	105.96	108.21	0.00	42569.13
15:01:48	1092.41	105.76	423.89	105.96	108.21	0.00	42569.13
15:02:04	1092.35	105.80	423.84	106.04	108.25	0.00	42569.13
15:02:20	1092.35	105.80	423.84	106.04	108.25	0.00	42569.13
15:02:36	1092.35	105.80	423.84	106.04	108.25	0.00	42569.13
15:02:52	1092.35	105.80	423.84	106.04	108.25	0.00	42569.13
15:03:08	1092.32	105.80	423.80	106.06	108.24	0.00	42569.13
15:03:24	1092.32	105.80	423.80	106.06	108.24	0.00	42569.13
15:03:40	1092.32	105.80	423.80	106.06	108.24	0.00	42569.13
15:03:56	1092.32	105.80	423.80	106.06	108.24	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
15:04:12	1092.27	105.81	423.76	106.07	108.20	0.00	42569.13
15:04:28	1092.27	105.81	423.76	106.07	108.20	0.00	42569.13
15:04:44	1092.27	105.81	423.76	106.07	108.20	0.00	42569.13
15:05:00	1092.27	105.81	423.76	106.07	108.20	0.00	42569.13
15:05:16	1092.23	105.87	423.70	106.10	108.16	0.00	42569.13
15:05:32	1092.23	105.87	423.70	106.10	108.16	0.00	42569.13
15:05:48	1092.23	105.87	423.70	106.10	108.16	0.00	42569.13
15:06:04	1092.17	105.91	423.65	106.13	108.11	0.00	42569.13
15:06:20	1092.17	105.91	423.65	106.13	108.11	0.00	42569.13
15:06:36	1092.17	105.91	423.65	106.13	108.11	0.00	42569.13
15:06:52	1092.17	105.91	423.65	106.13	108.11	0.00	42569.13
15:07:08	1092.13	105.92	423.61	106.15	108.08	0.00	42569.13
15:07:24	1092.13	105.92	423.61	106.15	108.08	0.00	42569.13
15:07:40	1092.13	105.92	423.61	106.15	108.08	0.00	42569.13
15:07:56	1092.13	105.92	423.61	106.15	108.08	0.00	42569.13
15:08:12	1092.09	105.92	423.57	106.15	107.98	0.00	42569.13
15:08:28	1092.09	105.92	423.57	106.15	107.98	0.00	42569.13
15:08:44	1092.09	105.92	423.57	106.15	107.98	0.00	42569.13
15:09:00	1092.09	105.92	423.57	106.15	107.98	0.00	42569.13
15:09:16	1092.05	105.93	423.52	106.15	107.90	0.00	42569.13
15:09:32	1092.05	105.93	423.52	106.15	107.90	0.00	42569.13
15:09:48	1092.05	105.93	423.52	106.15	107.90	0.00	42569.13
15:10:04	1092.01	105.92	423.48	106.14	107.76	0.00	42569.13
15:10:20	1092.01	105.92	423.48	106.14	107.76	0.00	42569.13
15:10:36	1092.01	105.92	423.48	106.14	107.76	0.00	42569.13
15:10:52	1092.01	105.92	423.48	106.14	107.76	0.00	42569.13
15:11:08	1091.96	105.92	423.44	106.12	107.65	0.00	42569.13
15:11:24	1091.96	105.92	423.44	106.12	107.65	0.00	42569.13
15:11:40	1091.96	105.92	423.44	106.12	107.65	0.00	42569.13
15:11:56	1091.96	105.92	423.44	106.12	107.65	0.00	42569.13
15:12:12	1091.92	105.92	423.38	106.13	107.64	0.00	42569.13
15:12:28	1091.92	105.92	423.38	106.13	107.64	0.00	42569.13
15:12:44	1091.92	105.92	423.38	106.13	107.64	0.00	42569.13
15:13:00	1091.92	105.92	423.38	106.13	107.64	0.00	42569.13
15:13:16	1091.88	105.98	423.34	106.18	107.73	0.00	42569.13
15:13:32	1091.88	105.98	423.34	106.18	107.73	0.00	42569.13
15:13:48	1091.88	105.98	423.34	106.18	107.73	0.00	42569.13
15:14:04	1091.85	106.07	423.32	106.26	107.83	0.00	42569.13
15:14:20	1091.85	106.07	423.32	106.26	107.83	0.00	42569.13
15:14:36	1091.85	106.07	423.32	106.26	107.83	0.00	42569.13
15:14:52	1091.85	106.07	423.32	106.26	107.83	0.00	42569.13
15:15:08	1091.81	106.10	423.25	106.30	107.91	0.00	42569.13
15:15:24	1091.81	106.10	423.25	106.30	107.91	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
15:15:40	1091.81	106.10	423.25	106.30	107.91	0.00	42569.13
15:15:56	1091.81	106.10	423.25	106.30	107.91	0.00	42569.13
15:16:12	1091.76	106.16	423.23	106.36	108.02	0.00	42569.13
15:16:28	1091.76	106.16	423.23	106.36	108.02	0.00	42569.13
15:16:44	1091.76	106.16	423.23	106.36	108.02	0.00	42569.13
15:17:00	1091.76	106.16	423.23	106.36	108.02	0.00	42569.13
15:17:16	1091.87	106.25	421.43	106.45	108.13	0.00	42569.13
15:17:32	1091.87	106.25	421.43	106.45	108.13	0.00	42569.13
15:17:48	1091.87	106.25	421.43	106.45	108.13	0.00	42569.13
15:18:04	1092.09	106.33	423.43	106.55	108.25	0.00	42569.13
15:18:20	1092.09	106.33	423.43	106.55	108.25	0.00	42569.13
15:18:36	1092.09	106.33	423.43	106.55	108.25	0.00	42569.13
15:18:52	1092.09	106.33	423.43	106.55	108.25	0.00	42569.13
15:19:08	1092.31	106.39	423.55	106.63	108.35	0.00	42569.13
15:19:24	1092.31	106.39	423.55	106.63	108.35	0.00	42569.13
15:19:40	1092.31	106.39	423.55	106.63	108.35	0.00	42569.13
15:19:56	1092.31	106.39	423.55	106.63	108.35	0.00	42569.13
15:20:12	1092.53	106.44	423.22	106.71	108.41	0.00	42569.13
15:20:28	1092.53	106.44	423.22	106.71	108.41	0.00	42569.13
15:20:44	1092.53	106.44	423.22	106.71	108.41	0.00	42569.13
15:21:00	1092.53	106.44	423.22	106.71	108.41	0.00	42569.13
15:21:16	1092.75	106.46	424.46	106.75	108.42	0.00	42569.13
15:21:32	1092.75	106.46	424.46	106.75	108.42	0.00	42569.13
15:21:48	1092.75	106.46	424.46	106.75	108.42	0.00	42569.13
15:22:04	1092.97	106.47	424.41	106.79	108.38	0.00	42569.13
15:22:20	1092.97	106.47	424.41	106.79	108.38	0.00	42569.13
15:22:36	1092.97	106.47	424.41	106.79	108.38	0.00	42569.13
15:22:52	1092.97	106.47	424.41	106.79	108.38	0.00	42569.13
15:23:08	1093.18	106.53	424.20	106.84	108.37	0.00	42569.13
15:23:24	1093.18	106.53	424.20	106.84	108.37	0.00	42569.13
15:23:40	1093.18	106.53	424.20	106.84	108.37	0.00	42569.13
15:23:56	1093.18	106.53	424.20	106.84	108.37	0.00	42569.13
15:24:12	1093.40	106.54	424.79	106.88	108.38	0.00	42569.13
15:24:28	1093.40	106.54	424.79	106.88	108.38	0.00	42569.13
15:24:44	1093.40	106.54	424.79	106.88	108.38	0.00	42569.13
15:25:00	1093.40	106.54	424.79	106.88	108.38	0.00	42569.13
15:25:16	1093.52	106.50	420.11	106.90	108.41	0.00	42569.13
15:25:32	1093.52	106.50	420.11	106.90	108.41	0.00	42569.13
15:25:48	1093.52	106.50	420.11	106.90	108.41	0.00	42569.13
15:26:04	1093.66	106.40	424.38	106.88	108.45	0.00	42569.13
15:26:20	1093.66	106.40	424.38	106.88	108.45	0.00	42569.13
15:26:36	1093.66	106.40	424.38	106.88	108.45	0.00	42569.13
15:26:52	1093.66	106.40	424.38	106.88	108.45	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
15:27:08	1093.66	106.32	425.29	106.78	108.46	0.00	42569.13
15:27:24	1093.66	106.32	425.29	106.78	108.46	0.00	42569.13
15:27:40	1093.66	106.32	425.29	106.78	108.46	0.00	42569.13
15:27:56	1093.66	106.32	425.29	106.78	108.46	0.00	42569.13
15:28:12	1093.61	106.20	424.66	106.66	108.45	0.00	42569.13
15:28:28	1093.61	106.20	424.66	106.66	108.45	0.00	42569.13
15:28:44	1093.61	106.20	424.66	106.66	108.45	0.00	42569.13
15:29:00	1093.61	106.20	424.66	106.66	108.45	0.00	42569.13
15:29:16	1093.58	106.13	424.50	106.58	108.50	0.00	42569.13
15:29:32	1093.58	106.13	424.50	106.58	108.50	0.00	42569.13
15:29:48	1093.58	106.13	424.50	106.58	108.50	0.00	42569.13
15:30:04	1093.53	106.17	424.46	106.55	108.63	0.00	42569.13
15:30:20	1093.53	106.17	424.46	106.55	108.63	0.00	42569.13
15:30:36	1093.53	106.17	424.46	106.55	108.63	0.00	42569.13
15:30:52	1093.53	106.17	424.46	106.55	108.63	0.00	42569.13
15:31:08	1093.49	106.34	424.43	106.63	108.90	0.00	42569.13
15:31:24	1093.49	106.34	424.43	106.63	108.90	0.00	42569.13
15:31:40	1093.49	106.34	424.43	106.63	108.90	0.00	42569.13
15:31:56	1093.49	106.34	424.43	106.63	108.90	0.00	42569.13
15:32:12	1093.46	106.48	424.42	106.76	109.10	0.00	42569.13
15:32:28	1093.46	106.48	424.42	106.76	109.10	0.00	42569.13
15:32:44	1093.46	106.48	424.42	106.76	109.10	0.00	42569.13
15:33:00	1093.46	106.48	424.42	106.76	109.10	0.00	42569.13
15:33:16	1093.40	106.47	424.40	106.78	109.20	0.00	42569.13
15:33:32	1093.40	106.47	424.40	106.78	109.20	0.00	42569.13
15:33:48	1093.40	106.47	424.40	106.78	109.20	0.00	42569.13
15:34:04	1093.38	106.28	424.37	106.66	109.14	0.00	42569.13
15:34:20	1093.38	106.28	424.37	106.66	109.14	0.00	42569.13
15:34:36	1093.38	106.28	424.37	106.66	109.14	0.00	42569.13
15:34:52	1093.38	106.28	424.37	106.66	109.14	0.00	42569.13
15:35:08	1093.33	106.04	424.36	106.48	109.06	0.00	42569.13
15:35:24	1093.33	106.04	424.36	106.48	109.06	0.00	42569.13
15:35:40	1093.33	106.04	424.36	106.48	109.06	0.00	42569.13
15:35:56	1093.33	106.04	424.36	106.48	109.06	0.00	42569.13
15:36:12	1093.32	105.91	424.33	106.35	109.03	0.00	42569.13
15:36:28	1093.32	105.91	424.33	106.35	109.03	0.00	42569.13
15:36:44	1093.32	105.91	424.33	106.35	109.03	0.00	42569.13
15:37:00	1093.32	105.91	424.33	106.35	109.03	0.00	42569.13
15:37:16	1093.27	105.84	424.31	106.27	109.03	0.00	42569.13
15:37:32	1093.27	105.84	424.31	106.27	109.03	0.00	42569.13
15:37:48	1093.27	105.84	424.31	106.27	109.03	0.00	42569.13
15:38:04	1093.24	105.80	424.28	106.23	109.04	0.00	42569.13
15:38:20	1093.24	105.80	424.28	106.23	109.04	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
15:38:36	1093.24	105.80	424.28	106.23	109.04	0.00	42569.13
15:38:52	1093.24	105.80	424.28	106.23	109.04	0.00	42569.13
15:39:08	1093.21	105.78	424.26	106.20	109.08	0.00	42569.13
15:39:24	1093.21	105.78	424.26	106.20	109.08	0.00	42569.13
15:39:40	1093.21	105.78	424.26	106.20	109.08	0.00	42569.13
15:39:56	1093.21	105.78	424.26	106.20	109.08	0.00	42569.13
15:40:12	1093.18	105.77	424.23	106.18	109.08	0.00	42569.13
15:40:28	1093.18	105.77	424.23	106.18	109.08	0.00	42569.13
15:40:44	1093.18	105.77	424.23	106.18	109.08	0.00	42569.13
15:41:00	1093.18	105.77	424.23	106.18	109.08	0.00	42569.13
15:41:16	1093.13	105.88	424.20	106.24	109.17	0.00	42569.13
15:41:32	1093.13	105.88	424.20	106.24	109.17	0.00	42569.13
15:41:48	1093.13	105.88	424.20	106.24	109.17	0.00	42569.13
15:42:04	1093.09	106.06	424.17	106.38	109.33	0.00	42569.13
15:42:20	1093.09	106.06	424.17	106.38	109.33	0.00	42569.13
15:42:36	1093.09	106.06	424.17	106.38	109.33	0.00	42569.13
15:42:52	1093.09	106.06	424.17	106.38	109.33	0.00	42569.13
15:43:08	1093.08	106.22	424.15	106.50	109.48	0.00	42569.13
15:43:24	1093.08	106.22	424.15	106.50	109.48	0.00	42569.13
15:43:40	1093.08	106.22	424.15	106.50	109.48	0.00	42569.13
15:43:56	1093.08	106.22	424.15	106.50	109.48	0.00	42569.13
15:44:12	1093.03	106.31	424.12	106.58	109.54	0.00	42569.13
15:44:28	1093.03	106.31	424.12	106.58	109.54	0.00	42569.13
15:44:44	1093.03	106.31	424.12	106.58	109.54	0.00	42569.13
15:45:00	1093.03	106.31	424.12	106.58	109.54	0.00	42569.13
15:45:16	1092.99	106.32	424.10	106.59	109.47	0.00	42569.13
15:45:32	1092.99	106.32	424.10	106.59	109.47	0.00	42569.13
15:45:48	1092.99	106.32	424.10	106.59	109.47	0.00	42569.13
15:46:04	1092.96	106.17	424.08	106.47	109.26	0.00	42569.13
15:46:20	1092.96	106.17	424.08	106.47	109.26	0.00	42569.13
15:46:36	1092.96	106.17	424.08	106.47	109.26	0.00	42569.13
15:46:52	1092.96	106.17	424.08	106.47	109.26	0.00	42569.13
15:47:08	1092.94	105.98	424.04	106.29	109.01	0.00	42569.13
15:47:24	1092.94	105.98	424.04	106.29	109.01	0.00	42569.13
15:47:40	1092.94	105.98	424.04	106.29	109.01	0.00	42569.13
15:47:56	1092.94	105.98	424.04	106.29	109.01	0.00	42569.13
15:48:12	1092.90	105.84	424.02	106.15	108.74	0.00	42569.13
15:48:28	1092.90	105.84	424.02	106.15	108.74	0.00	42569.13
15:48:44	1092.90	105.84	424.02	106.15	108.74	0.00	42569.13
15:49:00	1092.90	105.84	424.02	106.15	108.74	0.00	42569.13
15:49:16	1092.88	105.82	424.01	106.10	108.66	0.00	42569.13
15:49:32	1092.88	105.82	424.01	106.10	108.66	0.00	42569.13
15:49:48	1092.88	105.82	424.01	106.10	108.66	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
15:50:04	1092.86	105.90	423.98	106.11	108.70	0.00	42569.13
15:50:20	1092.86	105.90	423.98	106.11	108.70	0.00	42569.13
15:50:36	1092.86	105.90	423.98	106.11	108.70	0.00	42569.13
15:50:52	1092.86	105.90	423.98	106.11	108.70	0.00	42569.13
15:51:08	1092.80	106.00	423.95	106.16	108.83	0.00	42569.13
15:51:24	1092.80	106.00	423.95	106.16	108.83	0.00	42569.13
15:51:40	1092.80	106.00	423.95	106.16	108.83	0.00	42569.13
15:51:56	1092.80	106.00	423.95	106.16	108.83	0.00	42569.13
15:52:12	1092.79	106.09	423.92	106.25	108.97	0.00	42569.13
15:52:28	1092.79	106.09	423.92	106.25	108.97	0.00	42569.13
15:52:44	1092.79	106.09	423.92	106.25	108.97	0.00	42569.13
15:53:00	1092.79	106.09	423.92	106.25	108.97	0.00	42569.13
15:53:16	1092.74	106.14	423.89	106.31	109.08	0.00	42569.13
15:53:32	1092.74	106.14	423.89	106.31	109.08	0.00	42569.13
15:53:48	1092.74	106.14	423.89	106.31	109.08	0.00	42569.13
15:54:04	1092.72	106.14	423.87	106.34	109.17	0.00	42569.13
15:54:20	1092.72	106.14	423.87	106.34	109.17	0.00	42569.13
15:54:36	1092.72	106.14	423.87	106.34	109.17	0.00	42569.13
15:54:52	1092.72	106.14	423.87	106.34	109.17	0.00	42569.13
15:55:08	1092.66	106.14	423.85	106.41	109.27	0.00	42569.13
15:55:24	1092.66	106.14	423.85	106.41	109.27	0.00	42569.13
15:55:40	1092.66	106.14	423.85	106.41	109.27	0.00	42569.13
15:55:56	1092.66	106.14	423.85	106.41	109.27	0.00	42569.13
15:56:12	1092.62	106.25	423.83	106.50	109.45	0.00	42569.13
15:56:28	1092.62	106.25	423.83	106.50	109.45	0.00	42569.13
15:56:44	1092.62	106.25	423.83	106.50	109.45	0.00	42569.13
15:57:00	1092.62	106.25	423.83	106.50	109.45	0.00	42569.13
15:57:16	1092.61	106.40	423.79	106.62	109.65	0.00	42569.13
15:57:32	1092.61	106.40	423.79	106.62	109.65	0.00	42569.13
15:57:48	1092.61	106.40	423.79	106.62	109.65	0.00	42569.13
15:58:04	1092.59	106.54	423.73	106.72	109.85	0.00	42569.13
15:58:20	1092.59	106.54	423.73	106.72	109.85	0.00	42569.13
15:58:36	1092.59	106.54	423.73	106.72	109.85	0.00	42569.13
15:58:52	1092.59	106.54	423.73	106.72	109.85	0.00	42569.13
15:59:08	1092.57	106.65	423.73	106.83	109.98	0.00	42569.13
15:59:24	1092.57	106.65	423.73	106.83	109.98	0.00	42569.13
15:59:40	1092.57	106.65	423.73	106.83	109.98	0.00	42569.13
15:59:56	1092.57	106.65	423.73	106.83	109.98	0.00	42569.13
16:00:12	1092.54	106.76	423.72	106.99	110.07	0.00	42569.13
16:00:28	1092.54	106.76	423.72	106.99	110.07	0.00	42569.13
16:00:44	1092.54	106.76	423.72	106.99	110.07	0.00	42569.13
16:01:00	1092.54	106.76	423.72	106.99	110.07	0.00	42569.13
16:01:16	1092.51	106.79	423.68	106.98	110.11	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
16:01:32	1092.51	106.79	423.68	106.98	110.11	0.00	42569.13
16:01:48	1092.51	106.79	423.68	106.98	110.11	0.00	42569.13
16:02:04	1092.48	106.78	423.66	106.94	109.97	0.00	42569.13
16:02:20	1092.48	106.78	423.66	106.94	109.97	0.00	42569.13
16:02:36	1092.48	106.78	423.66	106.94	109.97	0.00	42569.13
16:02:52	1092.48	106.78	423.66	106.94	109.97	0.00	42569.13
16:03:08	1092.46	106.68	423.63	106.83	109.74	0.00	42569.13
16:03:24	1092.46	106.68	423.63	106.83	109.74	0.00	42569.13
16:03:40	1092.46	106.68	423.63	106.83	109.74	0.00	42569.13
16:03:56	1092.46	106.68	423.63	106.83	109.74	0.00	42569.13
16:04:12	1092.43	106.46	423.62	106.65	109.34	0.00	42569.13
16:04:28	1092.43	106.46	423.62	106.65	109.34	0.00	42569.13
16:04:44	1092.43	106.46	423.62	106.65	109.34	0.00	42569.13
16:05:00	1092.43	106.46	423.62	106.65	109.34	0.00	42569.13
16:05:16	1092.43	106.12	423.58	106.33	108.90	0.00	42569.13
16:05:32	1092.43	106.12	423.58	106.33	108.90	0.00	42569.13
16:05:48	1092.43	106.12	423.58	106.33	108.90	0.00	42569.13
16:06:04	1092.39	105.70	423.56	105.96	108.42	0.00	42569.13
16:06:20	1092.39	105.70	423.56	105.96	108.42	0.00	42569.13
16:06:36	1092.39	105.70	423.56	105.96	108.42	0.00	42569.13
16:06:52	1092.39	105.70	423.56	105.96	108.42	0.00	42569.13
16:07:08	1092.39	105.40	423.54	105.65	108.12	0.00	42569.13
16:07:24	1092.39	105.40	423.54	105.65	108.12	0.00	42569.13
16:07:40	1092.39	105.40	423.54	105.65	108.12	0.00	42569.13
16:07:56	1092.39	105.40	423.54	105.65	108.12	0.00	42569.13
16:08:12	1092.35	105.20	423.52	105.45	107.90	0.00	42569.13
16:08:28	1092.35	105.20	423.52	105.45	107.90	0.00	42569.13
16:08:44	1092.35	105.20	423.52	105.45	107.90	0.00	42569.13
16:09:00	1092.35	105.20	423.52	105.45	107.90	0.00	42569.13
16:09:16	1092.32	105.04	423.50	105.29	107.78	0.00	42569.13
16:09:32	1092.32	105.04	423.50	105.29	107.78	0.00	42569.13
16:09:48	1092.32	105.04	423.50	105.29	107.78	0.00	42569.13
16:10:04	1092.30	105.00	423.48	105.21	107.75	0.00	42569.13
16:10:20	1092.30	105.00	423.48	105.21	107.75	0.00	42569.13
16:10:36	1092.30	105.00	423.48	105.21	107.75	0.00	42569.13
16:10:52	1092.30	105.00	423.48	105.21	107.75	0.00	42569.13
16:11:08	1092.29	105.10	423.44	105.25	107.82	0.00	42569.13
16:11:24	1092.29	105.10	423.44	105.25	107.82	0.00	42569.13
16:11:40	1092.29	105.10	423.44	105.25	107.82	0.00	42569.13
16:11:56	1092.29	105.10	423.44	105.25	107.82	0.00	42569.13
16:12:12	1092.26	105.34	423.42	105.42	108.02	0.00	42569.13
16:12:28	1092.26	105.34	423.42	105.42	108.02	0.00	42569.13
16:12:44	1092.26	105.34	423.42	105.42	108.02	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
16:13:00	1092.26	105.34	423.42	105.42	108.02	0.00	42569.13
16:13:16	1092.21	105.65	423.40	105.67	108.33	0.00	42569.13
16:13:32	1092.21	105.65	423.40	105.67	108.33	0.00	42569.13
16:13:48	1092.21	105.65	423.40	105.67	108.33	0.00	42569.13
16:14:04	1092.17	105.96	423.36	105.98	108.66	0.00	42569.13
16:14:20	1092.17	105.96	423.36	105.98	108.66	0.00	42569.13
16:14:36	1092.17	105.96	423.36	105.98	108.66	0.00	42569.13
16:14:52	1092.17	105.96	423.36	105.98	108.66	0.00	42569.13
16:15:08	1092.13	106.21	423.33	106.25	108.93	0.00	42569.13
16:15:24	1092.13	106.21	423.33	106.25	108.93	0.00	42569.13
16:15:40	1092.13	106.21	423.33	106.25	108.93	0.00	42569.13
16:15:56	1092.13	106.21	423.33	106.25	108.93	0.00	42569.13
16:16:12	1092.13	106.33	423.32	106.42	109.10	0.00	42569.13
16:16:28	1092.13	106.33	423.32	106.42	109.10	0.00	42569.13
16:16:44	1092.13	106.33	423.32	106.42	109.10	0.00	42569.13
16:17:00	1092.13	106.33	423.32	106.42	109.10	0.00	42569.13
16:17:16	1092.23	106.44	429.18	106.55	109.25	0.00	42569.13
16:17:32	1092.23	106.44	429.18	106.55	109.25	0.00	42569.13
16:17:48	1092.23	106.44	429.18	106.55	109.25	0.00	42569.13
16:18:04	1093.06	106.57	448.41	106.65	109.45	0.00	42569.13
16:18:20	1093.06	106.57	448.41	106.65	109.45	0.00	42569.13
16:18:36	1093.06	106.57	448.41	106.65	109.45	0.00	42569.13
16:18:52	1093.06	106.57	448.41	106.65	109.45	0.00	42569.13
16:19:08	1095.37	106.77	428.62	106.79	109.70	0.00	42569.13
16:19:24	1095.37	106.77	428.62	106.79	109.70	0.00	42569.13
16:19:40	1095.37	106.77	428.62	106.79	109.70	0.00	42569.13
16:19:56	1095.37	106.77	428.62	106.79	109.70	0.00	42569.13
16:20:12	1098.51	106.90	434.19	106.93	109.77	0.00	42569.13
16:20:28	1098.51	106.90	434.19	106.93	109.77	0.00	42569.13
16:20:44	1098.51	106.90	434.19	106.93	109.77	0.00	42569.13
16:21:00	1098.51	106.90	434.19	106.93	109.77	0.00	42569.13
16:21:16	1102.27	106.93	438.65	107.01	109.67	0.00	42569.13
16:21:32	1102.27	106.93	438.65	107.01	109.67	0.00	42569.13
16:21:48	1102.27	106.93	438.65	107.01	109.67	0.00	42569.13
16:22:04	1106.01	107.00	441.72	107.10	109.56	0.00	42569.13
16:22:20	1106.01	107.00	441.72	107.10	109.56	0.00	42569.13
16:22:36	1106.01	107.00	441.72	107.10	109.56	0.00	42569.13
16:22:52	1106.01	107.00	441.72	107.10	109.56	0.00	42569.13
16:23:08	1109.90	107.03	444.99	107.20	109.46	0.00	42569.13
16:23:24	1109.90	107.03	444.99	107.20	109.46	0.00	42569.13
16:23:40	1109.90	107.03	444.99	107.20	109.46	0.00	42569.13
16:23:56	1109.90	107.03	444.99	107.20	109.46	0.00	42569.13
16:24:12	1113.52	107.02	445.91	107.25	109.37	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
16:24:28	1113.52	107.02	445.91	107.25	109.37	0.00	42569.13
16:24:44	1113.52	107.02	445.91	107.25	109.37	0.00	42569.13
16:25:00	1113.52	107.02	445.91	107.25	109.37	0.00	42569.13
16:25:16	1117.06	106.91	444.14	107.22	109.23	0.00	42569.13
16:25:32	1117.06	106.91	444.14	107.22	109.23	0.00	42569.13
16:25:48	1117.06	106.91	444.14	107.22	109.23	0.00	42569.13
16:26:04	1120.80	106.71	444.54	107.08	109.01	0.00	42569.13
16:26:20	1120.80	106.71	444.54	107.08	109.01	0.00	42569.13
16:26:36	1120.80	106.71	444.54	107.08	109.01	0.00	42569.13
16:26:52	1120.80	106.71	444.54	107.08	109.01	0.00	42569.13
16:27:08	1124.22	106.63	431.33	107.09	108.86	0.00	42569.13
16:27:24	1124.22	106.63	431.33	107.09	108.86	0.00	42569.13
16:27:40	1124.22	106.63	431.33	107.09	108.86	0.00	42569.13
16:27:56	1124.22	106.63	431.33	107.09	108.86	0.00	42569.13
16:28:12	1127.62	106.61	440.00	107.59	108.81	0.00	42569.13
16:28:28	1127.62	106.61	440.00	107.59	108.81	0.00	42569.13
16:28:44	1127.62	106.61	440.00	107.59	108.81	0.00	42569.13
16:29:00	1127.62	106.61	440.00	107.59	108.81	0.00	42569.13
16:29:16	1131.03	106.65	440.86	107.95	108.78	0.00	42569.13
16:29:32	1131.03	106.65	440.86	107.95	108.78	0.00	42569.13
16:29:48	1131.03	106.65	440.86	107.95	108.78	0.00	42569.13
16:30:04	1134.60	106.58	440.56	108.06	108.65	0.00	42569.13
16:30:20	1134.60	106.58	440.56	108.06	108.65	0.00	42569.13
16:30:36	1134.60	106.58	440.56	108.06	108.65	0.00	42569.13
16:30:52	1134.60	106.58	440.56	108.06	108.65	0.00	42569.13
16:31:08	1137.82	106.43	428.42	107.94	108.51	0.00	42569.13
16:31:24	1137.82	106.43	428.42	107.94	108.51	0.00	42569.13
16:31:40	1137.82	106.43	428.42	107.94	108.51	0.00	42569.13
16:31:56	1137.82	106.43	428.42	107.94	108.51	0.00	42569.13
16:32:12	1141.04	106.41	428.49	108.13	108.43	0.00	42569.13
16:32:28	1141.04	106.41	428.49	108.13	108.43	0.00	42569.13
16:32:44	1141.04	106.41	428.49	108.13	108.43	0.00	42569.13
16:33:00	1141.04	106.41	428.49	108.13	108.43	0.00	42569.13
16:33:16	1144.46	106.49	432.24	108.52	108.46	0.00	42569.13
16:33:32	1144.46	106.49	432.24	108.52	108.46	0.00	42569.13
16:33:48	1144.46	106.49	432.24	108.52	108.46	0.00	42569.13
16:34:04	1147.58	106.64	416.94	109.26	108.54	0.00	42569.13
16:34:20	1147.58	106.64	416.94	109.26	108.54	0.00	42569.13
16:34:36	1147.58	106.64	416.94	109.26	108.54	0.00	42569.13
16:34:52	1147.58	106.64	416.94	109.26	108.54	0.00	42569.13
16:35:08	1150.71	106.75	434.79	110.31	108.61	0.00	42569.13
16:35:24	1150.71	106.75	434.79	110.31	108.61	0.00	42569.13
16:35:40	1150.71	106.75	434.79	110.31	108.61	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
16:35:56	1150.71	106.75	434.79	110.31	108.61	0.00	42569.13
16:36:12	1153.82	106.90	434.82	111.03	108.64	0.00	42569.13
16:36:28	1153.82	106.90	434.82	111.03	108.64	0.00	42569.13
16:36:44	1153.82	106.90	434.82	111.03	108.64	0.00	42569.13
16:37:00	1153.82	106.90	434.82	111.03	108.64	0.00	42569.13
16:37:16	1157.10	107.09	429.94	111.36	108.54	0.00	42569.13
16:37:32	1157.10	107.09	429.94	111.36	108.54	0.00	42569.13
16:37:48	1157.10	107.09	429.94	111.36	108.54	0.00	42569.13
16:38:04	1160.09	107.25	431.27	111.24	108.23	0.00	42569.13
16:38:20	1160.09	107.25	431.27	111.24	108.23	0.00	42569.13
16:38:36	1160.09	107.25	431.27	111.24	108.23	0.00	42569.13
16:38:52	1160.09	107.25	431.27	111.24	108.23	0.00	42569.13
16:39:08	1163.13	107.38	432.16	110.86	107.95	0.00	42569.13
16:39:24	1163.13	107.38	432.16	110.86	107.95	0.00	42569.13
16:39:40	1163.13	107.38	432.16	110.86	107.95	0.00	42569.13
16:39:56	1163.13	107.38	432.16	110.86	107.95	0.00	42569.13
16:40:12	1166.11	107.47	434.87	110.70	107.79	0.00	42569.13
16:40:28	1166.11	107.47	434.87	110.70	107.79	0.00	42569.13
16:40:44	1166.11	107.47	434.87	110.70	107.79	0.00	42569.13
16:41:00	1166.11	107.47	434.87	110.70	107.79	0.00	42569.13
16:41:16	1169.12	107.56	440.41	110.61	107.74	0.00	42569.13
16:41:32	1169.12	107.56	440.41	110.61	107.74	0.00	42569.13
16:41:48	1169.12	107.56	440.41	110.61	107.74	0.00	42569.13
16:42:04	1171.96	107.61	443.02	110.09	107.69	0.00	42569.13
16:42:20	1171.96	107.61	443.02	110.09	107.69	0.00	42569.13
16:42:36	1171.96	107.61	443.02	110.09	107.69	0.00	42569.13
16:42:52	1171.96	107.61	443.02	110.09	107.69	0.00	42569.13
16:43:08	1174.86	107.61	447.41	109.53	107.62	0.00	42569.13
16:43:24	1174.86	107.61	447.41	109.53	107.62	0.00	42569.13
16:43:40	1174.86	107.61	447.41	109.53	107.62	0.00	42569.13
16:43:56	1174.86	107.61	447.41	109.53	107.62	0.00	42569.13
16:44:12	1175.88	107.57	445.76	109.59	107.53	0.00	42569.13
16:44:28	1175.88	107.57	445.76	109.59	107.53	0.00	42569.13
16:44:44	1175.88	107.57	445.76	109.59	107.53	0.00	42569.13
16:45:00	1175.88	107.57	445.76	109.59	107.53	0.00	42569.13
16:45:16	1175.48	107.57	441.97	109.46	107.48	0.00	42569.13
16:45:32	1175.48	107.57	441.97	109.46	107.48	0.00	42569.13
16:45:48	1175.48	107.57	441.97	109.46	107.48	0.00	42569.13
16:46:04	1175.13	107.57	441.74	109.06	107.48	0.00	42569.13
16:46:20	1175.13	107.57	441.74	109.06	107.48	0.00	42569.13
16:46:36	1175.13	107.57	441.74	109.06	107.48	0.00	42569.13
16:46:52	1175.13	107.57	441.74	109.06	107.48	0.00	42569.13
16:47:08	1174.83	107.55	441.54	108.70	107.49	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
16:47:24	1174.83	107.55	441.54	108.70	107.49	0.00	42569.13
16:47:40	1174.83	107.55	441.54	108.70	107.49	0.00	42569.13
16:47:56	1174.83	107.55	441.54	108.70	107.49	0.00	42569.13
16:48:12	1174.57	107.55	441.24	108.44	107.55	0.00	42569.13
16:48:28	1174.57	107.55	441.24	108.44	107.55	0.00	42569.13
16:48:44	1174.57	107.55	441.24	108.44	107.55	0.00	42569.13
16:49:00	1174.57	107.55	441.24	108.44	107.55	0.00	42569.13
16:49:16	1174.33	107.54	440.95	108.24	107.63	0.00	42569.13
16:49:32	1174.33	107.54	440.95	108.24	107.63	0.00	42569.13
16:49:48	1174.33	107.54	440.95	108.24	107.63	0.00	42569.13
16:50:04	1174.12	107.48	440.73	108.07	107.72	0.00	42569.13
16:50:20	1174.12	107.48	440.73	108.07	107.72	0.00	42569.13
16:50:36	1174.12	107.48	440.73	108.07	107.72	0.00	42569.13
16:50:52	1174.12	107.48	440.73	108.07	107.72	0.00	42569.13
16:51:08	1173.91	107.35	440.51	107.89	107.76	0.00	42569.13
16:51:24	1173.91	107.35	440.51	107.89	107.76	0.00	42569.13
16:51:40	1173.91	107.35	440.51	107.89	107.76	0.00	42569.13
16:51:56	1173.91	107.35	440.51	107.89	107.76	0.00	42569.13
16:52:12	1173.73	107.22	440.28	107.71	107.80	0.00	42569.13
16:52:28	1173.73	107.22	440.28	107.71	107.80	0.00	42569.13
16:52:44	1173.73	107.22	440.28	107.71	107.80	0.00	42569.13
16:53:00	1173.73	107.22	440.28	107.71	107.80	0.00	42569.13
16:53:16	1173.57	107.16	440.07	107.61	107.90	0.00	42569.13
16:53:32	1173.57	107.16	440.07	107.61	107.90	0.00	42569.13
16:53:48	1173.57	107.16	440.07	107.61	107.90	0.00	42569.13
16:54:04	1173.37	107.17	439.94	107.56	108.09	0.00	42569.13
16:54:20	1173.37	107.17	439.94	107.56	108.09	0.00	42569.13
16:54:36	1173.37	107.17	439.94	107.56	108.09	0.00	42569.13
16:54:52	1173.37	107.17	439.94	107.56	108.09	0.00	42569.13
16:55:08	1173.23	107.18	439.75	107.54	108.26	0.00	42569.13
16:55:24	1173.23	107.18	439.75	107.54	108.26	0.00	42569.13
16:55:40	1173.23	107.18	439.75	107.54	108.26	0.00	42569.13
16:55:56	1173.23	107.18	439.75	107.54	108.26	0.00	42569.13
16:56:12	1173.08	107.19	439.51	107.53	108.39	0.00	42569.13
16:56:28	1173.08	107.19	439.51	107.53	108.39	0.00	42569.13
16:56:44	1173.08	107.19	439.51	107.53	108.39	0.00	42569.13
16:57:00	1173.08	107.19	439.51	107.53	108.39	0.00	42569.13
16:57:16	1172.95	107.18	439.30	107.51	108.52	0.00	42569.13
16:57:32	1172.95	107.18	439.30	107.51	108.52	0.00	42569.13
16:57:48	1172.95	107.18	439.30	107.51	108.52	0.00	42569.13
16:58:04	1172.79	107.15	439.15	107.48	108.60	0.00	42569.13
16:58:20	1172.79	107.15	439.15	107.48	108.60	0.00	42569.13
16:58:36	1172.79	107.15	439.15	107.48	108.60	0.00	42569.13

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
16:58:52	1172.79	107.15	439.15	107.48	108.60	0.00	42569.13
16:59:08	1172.65	107.12	439.00	107.42	108.59	0.00	42569.13
16:59:24	1172.65	107.12	439.00	107.42	108.59	0.00	42569.13
16:59:40	1172.65	107.12	439.00	107.42	108.59	0.00	42569.13
16:59:56	1172.65	107.12	439.00	107.42	108.59	0.00	42569.13
17:00:12	1172.52	107.07	438.87	107.35	108.54	0.00	42569.13
17:00:28	1172.52	107.07	438.87	107.35	108.54	0.00	42569.13
17:00:44	1172.52	107.07	438.87	107.35	108.54	0.00	42569.13
17:01:00	1172.52	107.07	438.87	107.35	108.54	0.00	42569.13
17:01:16	1172.38	107.03	438.72	107.27	108.43	0.00	42569.13
17:01:32	1172.38	107.03	438.72	107.27	108.43	0.00	42569.13
17:01:48	1172.38	107.03	438.72	107.27	108.43	0.00	42569.13
17:02:04	1172.24	106.93	438.59	107.11	108.24	0.00	42569.13
17:02:20	1172.24	106.93	438.59	107.11	108.24	0.00	42569.13
17:02:36	1172.24	106.93	438.59	107.11	108.24	0.00	42569.13
17:02:52	1172.24	106.93	438.59	107.11	108.24	0.00	42569.13
17:03:08	1172.10	106.76	438.45	106.91	108.03	0.00	42569.13
17:03:24	1172.10	106.76	438.45	106.91	108.03	0.00	42569.13
17:03:40	1172.10	106.76	438.45	106.91	108.03	0.00	42569.13
17:03:56	1172.10	106.76	438.45	106.91	108.03	0.00	42569.13
17:04:12	1171.99	106.57	438.31	106.70	107.69	0.00	42569.13
17:04:28	1171.99	106.57	438.31	106.70	107.69	0.00	42569.13
17:04:44	1171.99	106.57	438.31	106.70	107.69	0.00	42569.13
17:05:00	1171.99	106.57	438.31	106.70	107.69	0.00	42569.13
17:05:16	1171.89	106.30	438.19	106.42	107.27	0.00	42569.13
17:05:32	1171.89	106.30	438.19	106.42	107.27	0.00	42569.13
17:05:48	1171.89	106.30	438.19	106.42	107.27	0.00	42569.13
17:06:04	1171.78	105.98	438.06	106.10	106.83	0.00	42569.13
17:06:20	1171.78	105.98	438.06	106.10	106.83	0.00	42569.13
17:06:36	1171.78	105.98	438.06	106.10	106.83	0.00	42569.13
17:06:52	1171.78	105.98	438.06	106.10	106.83	0.00	42569.13
17:07:08	1171.71	105.63	437.93	105.76	106.25	0.00	42569.13
17:07:24	1171.71	105.63	437.93	105.76	106.25	0.00	42569.13
17:07:40	1171.71	105.63	437.93	105.76	106.25	0.00	42569.13
17:07:56	1171.71	105.63	437.93	105.76	106.25	0.00	42569.13
17:08:12	1171.47	105.23	437.54	105.36	106.12	0.00	42595.99
17:08:28	1171.47	105.23	437.54	105.36	106.12	0.00	42595.99
17:08:44	1171.47	105.23	437.54	105.36	106.12	0.00	42595.99
17:09:00	1171.47	105.23	437.54	105.36	106.12	0.00	42595.99
17:09:16	1171.23	104.82	437.43	104.95	104.99	0.00	42595.99
17:09:32	1171.23	104.82	437.43	104.95	104.99	0.00	42595.99
17:09:48	1171.23	104.82	437.43	104.95	104.99	0.00	42595.99
17:10:04	1171.12	104.42	437.33	104.56	104.68	0.00	42595.99

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure psig	Temp deg F	Pressure psig	Temp deg F	Temp deg F	Flow Rate SCFM	Total Flow SCF
17:10:20	1171.12	104.42	437.33	104.56	104.68	0.00	42595.99
17:10:36	1171.12	104.42	437.33	104.56	104.68	0.00	42595.99
17:10:52	1171.12	104.42	437.33	104.56	104.68	0.00	42595.99
17:11:08	1171.03	104.15	437.20	104.25	104.58	0.00	42595.99
17:11:24	1171.03	104.15	437.20	104.25	104.58	0.00	42595.99
17:11:40	1171.03	104.15	437.20	104.25	104.58	0.00	42595.99
17:11:56	1171.03	104.15	437.20	104.25	104.58	0.00	42595.99
17:12:12	1172.44	103.97	438.32	104.04	111.63	621.84	42849.16
17:12:28	1172.44	103.97	438.32	104.04	111.63	621.84	42849.16
17:12:44	1172.44	103.97	438.32	104.04	111.63	621.84	42849.16
17:13:00	1172.44	103.97	438.32	104.04	111.63	621.84	42849.16
17:13:16	1175.29	103.87	441.13	103.91	113.20	625.24	43467.68
17:13:32	1175.29	103.87	441.13	103.91	113.20	625.24	43467.68
17:13:48	1175.29	103.87	441.13	103.91	113.20	625.24	43467.68
17:14:04	1177.81	103.79	444.01	103.79	111.49	629.75	44094.74
17:14:20	1177.81	103.79	444.01	103.79	111.49	629.75	44094.74
17:14:36	1177.81	103.79	444.01	103.79	111.49	629.75	44094.74
17:14:52	1177.81	103.79	444.01	103.79	111.49	629.75	44094.74
17:15:08	1180.34	103.74	446.67	103.73	109.05	615.25	44720.19
17:15:24	1180.34	103.74	446.67	103.73	109.05	615.25	44720.19
17:15:40	1180.34	103.74	446.67	103.73	109.05	615.25	44720.19
17:15:56	1180.34	103.74	446.67	103.73	109.05	615.25	44720.19
17:16:12	1183.03	103.73	449.38	103.70	106.49	627.72	45348.40
17:16:28	1183.03	103.73	449.38	103.70	106.49	627.72	45348.40
17:16:44	1183.03	103.73	449.38	103.70	106.49	627.72	45348.40
17:17:00	1183.03	103.73	449.38	103.70	106.49	627.72	45348.40
17:17:16	1185.44	103.76	452.11	103.70	104.16	621.79	45974.02
17:17:32	1185.44	103.76	452.11	103.70	104.16	621.79	45974.02
17:17:48	1185.44	103.76	452.11	103.70	104.16	621.79	45974.02
17:18:04	1188.04	103.87	454.63	103.81	101.90	615.97	46591.82
17:18:20	1188.04	103.87	454.63	103.81	101.90	615.97	46591.82
17:18:36	1188.04	103.87	454.63	103.81	101.90	615.97	46591.82
17:18:52	1188.04	103.87	454.63	103.81	101.90	615.97	46591.82
17:19:08	1190.55	103.98	457.24	103.91	99.70	614.00	47206.24
17:19:24	1190.55	103.98	457.24	103.91	99.70	614.00	47206.24
17:19:40	1190.55	103.98	457.24	103.91	99.70	614.00	47206.24
17:19:56	1190.55	103.98	457.24	103.91	99.70	614.00	47206.24
17:20:12	1192.99	104.06	459.69	103.99	97.59	566.64	47807.03
17:20:28	1192.99	104.06	459.69	103.99	97.59	566.64	47807.03
17:20:44	1192.99	104.06	459.69	103.99	97.59	566.64	47807.03
17:21:00	1192.99	104.06	459.69	103.99	97.59	566.64	47807.03
17:21:16	1195.50	104.19	462.40	104.12	94.33	775.88	48454.22
17:21:32	1195.50	104.19	462.40	104.12	94.33	775.88	48454.22

Nitrogen Injection

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

Flow Conditions

Time	Annulus Gauge		Tubing Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Flow Rate	Total Flow
	psig	deg F	psig	deg F	deg F	SCFM	SCF
17:21:48	1195.50	104.19	462.40	104.12	94.33	775.88	48454.22
17:22:04	1197.04	104.38	464.17	104.30	92.30	0.00	48884.61
17:22:20	1197.04	104.38	464.17	104.30	92.30	0.00	48884.61
17:22:36	1197.04	104.38	464.17	104.30	92.30	0.00	48884.61
17:22:52	1197.04	104.38	464.17	104.30	92.30	0.00	48884.61
17:23:08	1196.90	104.56	463.96	104.51	95.01	0.00	48884.61
17:23:24	1196.90	104.56	463.96	104.51	95.01	0.00	48884.61
17:23:40	1196.90	104.56	463.96	104.51	95.01	0.00	48884.61
17:23:56	1196.90	104.56	463.96	104.51	95.01	0.00	48884.61
17:24:12	1196.70	104.71	463.71	104.69	96.61	0.00	48884.61
17:24:28	1196.70	104.71	463.71	104.69	96.61	0.00	48884.61
17:24:44	1196.70	104.71	463.71	104.69	96.61	0.00	48884.61
17:25:00	1196.70	104.71	463.71	104.69	96.61	0.00	48884.61
17:25:16	1196.53	104.84	463.51	104.85	97.56	0.00	48884.61
17:25:32	1196.53	104.84	463.51	104.85	97.56	0.00	48884.61
17:25:48	1196.53	104.84	463.51	104.85	97.56	0.00	48884.61
17:26:04	1196.44	104.90	463.42	104.92	97.92	2.05	48884.88

Appendix C – Test Pressure Data

TEST PRESSURE

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
8/17/07 10:00	1177.58	73.33	442.96	73.35
8/17/07 10:15	1177.49	76.24	443.06	76.24
8/17/07 10:30	1177.44	79.73	443.14	79.80
8/17/07 10:45	1177.34	80.52	443.07	80.56
8/17/07 11:00	1177.25	83.33	442.98	83.26
8/17/07 11:15	1177.24	86.05	442.91	86.07
8/17/07 11:30	1177.18	86.03	442.82	86.21
8/17/07 11:45	1177.10	86.47	442.67	86.64
8/17/07 12:00	1177.04	85.23	442.60	85.38
8/17/07 12:15	1176.89	87.06	442.50	87.05
8/17/07 12:30	1176.76	88.93	442.44	88.85
8/17/07 12:45	1176.71	90.28	442.31	90.39
8/17/07 13:00	1176.66	89.46	442.18	89.65
8/17/07 13:15	1176.52	90.20	442.14	90.13
8/17/07 13:30	1176.45	88.26	442.05	88.22
8/17/07 13:45	1176.34	88.41	441.93	88.48
8/17/07 14:00	1176.29	86.18	441.86	86.23
8/17/07 14:15	1176.20	85.34	441.74	85.48
8/17/07 14:30	1176.01	89.11	441.62	89.07
8/17/07 14:45	1175.91	89.76	441.54	89.57
8/17/07 15:00	1175.88	89.74	441.49	89.54
8/17/07 15:15	1175.76	93.20	441.34	93.30
8/17/07 15:30	1175.77	86.55	441.29	86.60
8/17/07 15:45	1175.66	87.12	441.21	87.21
8/17/07 16:00	1175.57	86.20	441.10	86.21
8/17/07 16:15	1175.44	89.68	441.01	89.55
8/17/07 16:30	1175.34	90.82	441.02	90.79
8/17/07 16:45	1175.39	85.15	440.86	85.11
8/17/07 17:00	1175.29	82.90	440.78	82.69
8/17/07 17:15	1175.15	85.03	440.65	85.10
8/17/07 17:30	1175.12	84.48	440.55	84.50
8/17/07 17:45	1174.98	82.99	440.50	82.99
8/17/07 18:00	1174.86	85.17	440.40	85.23
8/17/07 18:15	1174.80	87.76	440.40	87.82
8/17/07 18:30	1174.78	86.77	440.31	86.88
8/17/07 18:45	1174.69	87.44	440.19	87.62
8/17/07 19:00	1174.71	84.34	440.18	84.50
8/17/07 19:15	1174.55	82.75	440.04	82.82
8/17/07 19:30	1174.51	82.26	439.96	82.39
8/17/07 19:45	1174.42	79.26	439.90	79.26
8/17/07 20:00	1174.34	80.04	439.83	80.06

TEST PRESSURE

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
8/17/07 20:15	1174.24	78.96	439.70	79.00
8/17/07 20:30	1174.20	77.19	439.69	77.20
8/17/07 20:45	1174.11	75.48	439.59	75.43
8/17/07 21:00	1174.04	74.61	439.49	74.55
8/17/07 21:15	1173.95	73.76	439.43	73.71
8/17/07 21:30	1173.87	73.33	439.34	73.28
8/17/07 21:45	1173.79	73.12	439.27	73.07
8/17/07 22:00	1173.76	72.59	439.21	72.54
8/17/07 22:15	1173.68	71.97	439.14	71.93
8/17/07 22:30	1173.59	71.52	439.07	71.48
8/17/07 22:45	1173.51	70.96	439.00	70.94
8/17/07 23:00	1173.44	70.50	438.92	70.45
8/17/07 23:15	1173.35	70.18	438.85	70.13
8/17/07 23:30	1173.29	69.93	438.79	69.89
8/17/07 23:45	1173.20	69.56	438.71	69.50
8/18/07 0:00	1173.12	69.36	438.66	69.32
8/18/07 0:15	1173.08	69.29	438.59	69.25
8/18/07 0:30	1173.05	69.47	438.54	69.42
8/18/07 0:45	1172.95	69.40	438.47	69.37
8/18/07 1:00	1172.87	69.04	438.34	69.00
8/18/07 1:15	1172.82	68.57	438.29	68.52
8/18/07 1:30	1172.73	68.20	438.22	68.14
8/18/07 1:45	1172.64	67.83	438.14	67.79
8/18/07 2:00	1172.59	67.69	438.10	67.65
8/18/07 2:15	1172.54	67.66	438.05	67.63
8/18/07 2:30	1172.49	67.62	437.99	67.60
8/18/07 2:45	1172.38	67.74	437.90	67.74
8/18/07 3:00	1172.39	67.78	437.85	67.75
8/18/07 3:15	1172.26	67.61	437.76	67.60
8/18/07 3:30	1172.20	67.40	437.70	67.38
8/18/07 3:45	1172.13	67.24	437.63	67.23
8/18/07 4:00	1172.11	67.54	437.57	67.50
8/18/07 4:15	1172.06	67.89	437.52	67.87
8/18/07 4:30	1171.98	67.84	437.47	67.84
8/18/07 4:45	1171.96	68.02	437.37	68.01
8/18/07 5:00	1171.86	67.90	437.31	67.88
8/18/07 5:15	1171.81	67.48	437.22	67.45
8/18/07 5:30	1171.69	66.89	437.18	66.89
8/18/07 5:45	1171.66	66.60	437.13	66.56
8/18/07 6:00	1171.59	66.31	437.07	66.28
8/18/07 6:15	1171.51	66.03	437.00	66.01

TEST PRESSURE

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
8/18/07 6:30	1171.44	65.82	436.94	65.80
8/18/07 6:45	1171.42	65.57	436.90	65.53
8/18/07 7:00	1171.39	65.88	436.84	65.86
8/18/07 7:15	1171.32	66.19	436.78	66.15
8/18/07 7:30	1171.27	66.02	436.70	66.01
8/18/07 7:45	1171.19	65.61	436.68	65.59
8/18/07 8:00	1171.20	67.03	436.61	67.11
8/18/07 8:15	1171.18	70.13	436.58	70.30
8/18/07 8:30	1171.21	72.98	436.56	73.17
8/18/07 8:45	1171.17	75.53	436.52	75.73
8/18/07 9:00	1171.13	77.37	436.49	77.52
8/18/07 9:15	1171.12	79.67	436.40	79.73
8/18/07 9:30	1171.10	81.29	436.37	81.32
8/18/07 9:45	1171.01	83.10	436.32	83.10
8/18/07 10:00	1171.02	84.26	436.29	84.23
8/18/07 10:15	1170.96	85.69	436.23	85.69
8/18/07 10:30	1170.94	86.87	436.18	86.79
8/18/07 10:45	1170.90	88.49	436.12	88.40
8/18/07 11:00	1170.83	90.36	436.04	90.24
8/18/07 11:15	1170.77	91.57	436.02	91.29
8/18/07 11:30	1170.73	90.00	435.96	89.95
8/18/07 11:45	1170.63	92.44	435.87	92.14
8/18/07 12:00	1170.63	95.84	435.83	95.79
8/18/07 12:15	1170.56	95.35	435.80	95.22
8/18/07 12:30	1170.48	95.36	435.75	95.21
8/18/07 12:45	1170.44	97.30	435.67	96.94
8/18/07 13:00	1170.41	96.01	435.62	95.79
8/18/07 13:15	1170.33	97.09	435.52	96.97
8/18/07 13:30	1170.20	100.89	435.47	100.69
8/18/07 13:45	1170.29	99.01	435.44	99.22
8/18/07 14:00	1170.22	94.86	435.38	94.87
8/18/07 14:15	1170.13	96.07	435.32	96.08
8/18/07 14:30	1170.01	98.41	435.27	98.38
8/18/07 14:45	1169.93	101.43	435.17	101.38
8/18/07 15:00	1169.86	103.03	435.14	102.90
8/18/07 15:15	1169.82	103.65	435.07	103.62
8/18/07 15:30	1169.81	103.21	435.04	102.91
8/18/07 15:45	1169.74	103.41	434.99	103.37
8/18/07 16:00	1169.70	102.81	434.94	102.63
8/18/07 16:15	1169.64	103.28	434.89	103.10
8/18/07 16:30	1169.57	104.40	434.85	104.30

TEST PRESSURE

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
8/18/07 16:45	1169.50	104.52	434.77	104.41
8/18/07 17:00	1169.48	106.10	434.73	106.09
8/18/07 17:15	1169.43	104.88	434.67	104.77
8/18/07 17:30	1169.39	105.24	434.62	105.16
8/18/07 17:45	1169.36	105.75	434.58	105.64
8/18/07 18:00	1169.32	106.44	434.54	106.48
8/18/07 18:15	1169.24	106.29	434.46	106.44
8/18/07 18:30	1169.25	103.85	434.42	103.97
8/18/07 18:45	1169.15	102.22	434.36	102.30
8/18/07 19:00	1169.13	101.08	434.29	101.18
8/18/07 19:15	1169.07	99.11	434.26	99.24
8/18/07 19:30	1169.07	97.38	434.22	97.45
8/18/07 19:45	1168.99	95.25	434.16	95.30
8/18/07 20:00	1168.95	93.66	434.12	93.66
8/18/07 20:15	1168.93	90.51	434.08	90.43
8/18/07 20:30	1168.87	87.80	434.03	87.64
8/18/07 20:45	1168.81	85.40	433.96	85.18
8/18/07 21:00	1168.72	84.10	433.91	83.87
8/18/07 21:15	1168.63	82.87	433.83	82.66
8/18/07 21:30	1168.59	81.85	433.78	81.64
8/18/07 21:45	1168.55	81.03	433.74	80.84
8/18/07 22:00	1168.50	80.23	433.70	80.04
8/18/07 22:15	1168.45	79.38	433.63	79.18
8/18/07 22:30	1168.40	78.84	433.58	78.66
8/18/07 22:45	1168.36	78.33	433.52	78.15
8/18/07 23:00	1168.33	78.48	433.51	78.32
8/18/07 23:15	1168.26	78.29	433.44	78.18
8/18/07 23:30	1168.22	78.21	433.40	78.10
8/18/07 23:45	1168.19	78.20	433.37	78.12

TEST PRESSURE

Well Name:	Well No. 3
Operator:	Western Refinery
State:	New Mexico
County:	Lea
Field:	Jal Station
API Number:	30-025-35956
UIC Number:	0

PRESSURE INFORMATION

Date	Annulus Pressure		Tubing Pressure	
	Pressure psig	Temp deg F	Pressure psig	Temp deg F
8/19/07 0:00	1168.12	78.15	433.32	78.09
8/19/07 0:15	1168.07	77.72	433.23	77.67
8/19/07 0:30	1168.03	77.27	433.16	77.23
8/19/07 0:45	1168.00	76.76	433.10	76.70
8/19/07 1:00	1167.92	76.24	433.06	76.19
8/19/07 1:15	1167.87	75.83	433.02	75.79
8/19/07 1:30	1167.82	75.50	432.98	75.46
8/19/07 1:45	1167.79	75.16	432.92	75.12
8/19/07 2:00	1167.73	74.88	432.87	74.83
8/19/07 2:15	1167.68	74.57	432.82	74.52
8/19/07 2:30	1167.64	74.47	432.79	74.42
8/19/07 2:45	1167.63	74.30	432.76	74.24
8/19/07 3:00	1167.56	74.02	432.68	73.98
8/19/07 3:15	1167.49	73.82	432.64	73.78
8/19/07 3:30	1167.45	73.65	432.59	73.61
8/19/07 3:45	1167.43	73.50	432.54	73.45
8/19/07 4:00	1167.37	73.30	432.51	73.27
8/19/07 4:15	1167.32	73.14	432.44	73.11
8/19/07 4:30	1167.27	73.00	432.39	72.97
8/19/07 4:45	1167.22	72.91	432.37	72.88
8/19/07 5:00	1167.19	72.87	432.33	72.83
8/19/07 5:15	1167.13	72.54	432.26	72.53
8/19/07 5:30	1167.12	72.25	432.22	72.22
8/19/07 5:45	1167.06	71.94	432.16	71.90
8/19/07 6:00	1167.07	71.75	432.12	71.69
8/19/07 6:15	1166.99	71.54	432.08	71.50
8/19/07 6:30	1166.95	71.23	432.03	71.19
8/19/07 6:45	1166.88	70.62	431.99	70.58
8/19/07 7:00	1166.85	70.17	431.95	70.10
8/19/07 7:15	1166.81	69.97	431.91	69.92
8/19/07 7:30	1166.80	69.99	431.89	69.92
8/19/07 7:45	1166.73	70.53	431.84	70.52
8/19/07 8:00	1166.59	71.03	431.55	71.02
8/19/07 8:15	1166.59	71.89	431.60	71.97
8/19/07 8:30	1166.64	74.51	431.69	74.72
8/19/07 8:45	1166.66	76.62	431.72	77.02
8/19/07 9:00	1166.67	78.26	431.72	78.67
8/19/07 9:15	1166.65	79.66	431.70	80.08
8/19/07 9:30	1166.60	81.59	431.62	81.96
8/19/07 9:45	1166.57	82.02	431.54	82.81
8/19/07 10:00	1166.45	82.70	431.41	83.40

Appendix D – Well Logs