

UIC - 1 - ____5____

**EPA FALL-OFF/
SRT MONITORING
(2)**

DATE:

2007 - Present

Chavez, Carl J, EMNRD

From: Fesmire, Mark, EMNRD
Sent: Tuesday, November 09, 2010 7:57 AM
To: VonGonten, Glenn, EMNRD; Chavez, Carl J, EMNRD; Sanchez, Daniel J., EMNRD; Jones, William V., EMNRD
Subject: FW: Key Energy - Sunco SWD
Attachments: Sunco - Jly07 SRT.pdf; Sunco - Dec93 SRT.pdf; Sunco - 1993 vs 2007 SRT Comparison.pdf; McGrath - Aug86 SRT.pdf

From: Terry Duffey [mailto:tduffey@everquestenergy.com]
Sent: Monday, November 08, 2010 10:21 AM
To: Fesmire, Mark, EMNRD
Subject: RE: Key Energy - Sunco SWD

Sorry that I failed to attachment the referenced documents.
These attachments were part of an earlier email between myself, Mr. Price and Key Energy personnel.
Once they had reviewed these attachments they requested that I send them to you. In the process I simply failed to attach them.

FYI - there have been NO CHANGES to the surface or downhole equipment in the Sunco SWD well since the 2007 SRT.
I will get with Mr. Price again to determine exactly what the OCD concerns are relative to this injection well.
I actually thought that I understood this prior to sending you my earlier email...evidently I missed the point somewhere along the line.

I, too, wish to resolve this issue quickly.

From: Fesmire, Mark, EMNRD [mailto:mark.fesmire@state.nm.us]
Sent: Friday, November 05, 2010 4:52 PM
To: Terry Duffey
Cc: Molleur, Loren; wayne price; ;; Sanchez, Daniel J., EMNRD; VonGonten, Glenn, EMNRD; Chavez, Carl J, EMNRD; Jones, William V., EMNRD
Subject: RE: Key Energy - Sunco SWD

Mr. Duffy:

Thank you very much for your recent e-mail concerning the step rate tests. I probably would have been able to respond earlier if the documents that were described as attached would have been. I do understand that this data you sent was meant to help resolve questions that have arisen during the regulatory review, however it does illustrate a point. When a regulatory condition requires the inclusion of data that may otherwise be available in the regulators files, there is always the danger that the regulator will not be able to find the documents, that the documents that they do use for the analysis are the right ones, that the time necessary to locate those documents delays action on the part of the regulator, that a party who reviews the file will not have all the data necessary to make a decision or that the data is the most recent and up to date available. These are the reasons that we request that applications and reports be complete, even though it may appear redundant to those who must prepare the regulatory package.

After a review of the OCD files, I was able to find some of the information that you deemed important, but did not find the Comparison or the SRT for the McGrath well. In this case, the question was raised whether this SRT was run on the subject well.

I have been able to glean the fact that the July 2007 SRT was probably performed on this well, and in spite of the fact that the results seem unusual, they may indicate the true fracture pressure of that well under the conditions that existed in the well when the test was taken in 2007. I still don't know if any of the important conditions have changed, such as the tubing size and the condition of the well equipment.

But I would submit to you that your cursory analysis of the annual fall off tests is not sufficient to satisfy the requirements of the UIC program and would ask that you work thru Mr. Gibson or Mr. Price to provide the data necessary for OCD to draw its own conclusion.

Hopefully, we can work with the Key personnel to resolve this issue quickly.

Mark E. Fesmire, PE

From: Terry Duffey [mailto:tduffey@everquestenergy.com]
Sent: Friday, November 05, 2010 11:10 AM
To: Fesmire, Mark, EMNRD
Cc: 'Molleur, Loren'; 'wayne price'
Subject: Key Energy - Sunco SWD

Mr. Wayne Price has informed me that you had some questions regarding Key Energy's 2007 step-rate test (SRT) that was used to successfully amend the disposal permit to a increase in the maximum allowed wellhead injection pressure to 2400 psig.

I have attached several documents regarding this SRT, as well as other analogous tests in the vicinity of this injection well, to illustrate the validity of the testing.

Attachment 1: Sunco July 2007: the results were "textbook" – see the slight pressure breakover (flattening of the slope) at 3450 psi bottomhole injection pressure; this corresponds to a surface injection pressure of 2800 psi...well above the 2400 psi we "settled for" via OCD.

Attachment 2: Sunco Aug 1993: once again the results were "textbook" – no breakover (slope change) was seen up to the last step rate of 6.6 bpm (9500 bbl/day). They petitioned the OCD for 2850 psi max WHP and were granted it.

Attachment 3: Comparison of 1993 and 2007 tests: I have overlayed the 1993 results on this graph. For field work these two tests essentially tell the same story – the well can accept a very high injection rate / pressure before any danger of reaching parting pressure.

Attachment 4: the 1986 SRT for the McGrath #1 well – located about 1.5 miles to the north of the Sunco well and also injecting into the Point Lookout zone...at the last injection step rate of 7 bpm the BHP curve had still NOT exhibited any breakover behavior. The OCD allowed the maximum WHP to be limited to 2370 psi which corresponded to the highest (7 bpm) injection rate.

So, the most recent SRT on the Sunco well seems to be valid based on earlier step-rate tests run on the Sunco and McGrath wells. We are not basing the limit on any kind of an anomalous test.

Similarly, the annual Fall-Off Tests do not indicate any reservoir concerns either.

Key Energy has followed and satisfied all SRT protocol required by OCD Regulations that are based on accepted petroleum industry engineering principles and practices.

The only arbitrary thing in this regard was the OCD decision to "cut" the allowed pressure down 400 psi from the 2800 psi indicated by the test.

Hopefully this detail information will help make you feel comfortable with all of the technical engineering effort that has been expended on the part of Key Engry to insure the Sunco injection is being contained to the permitted disposal interval.

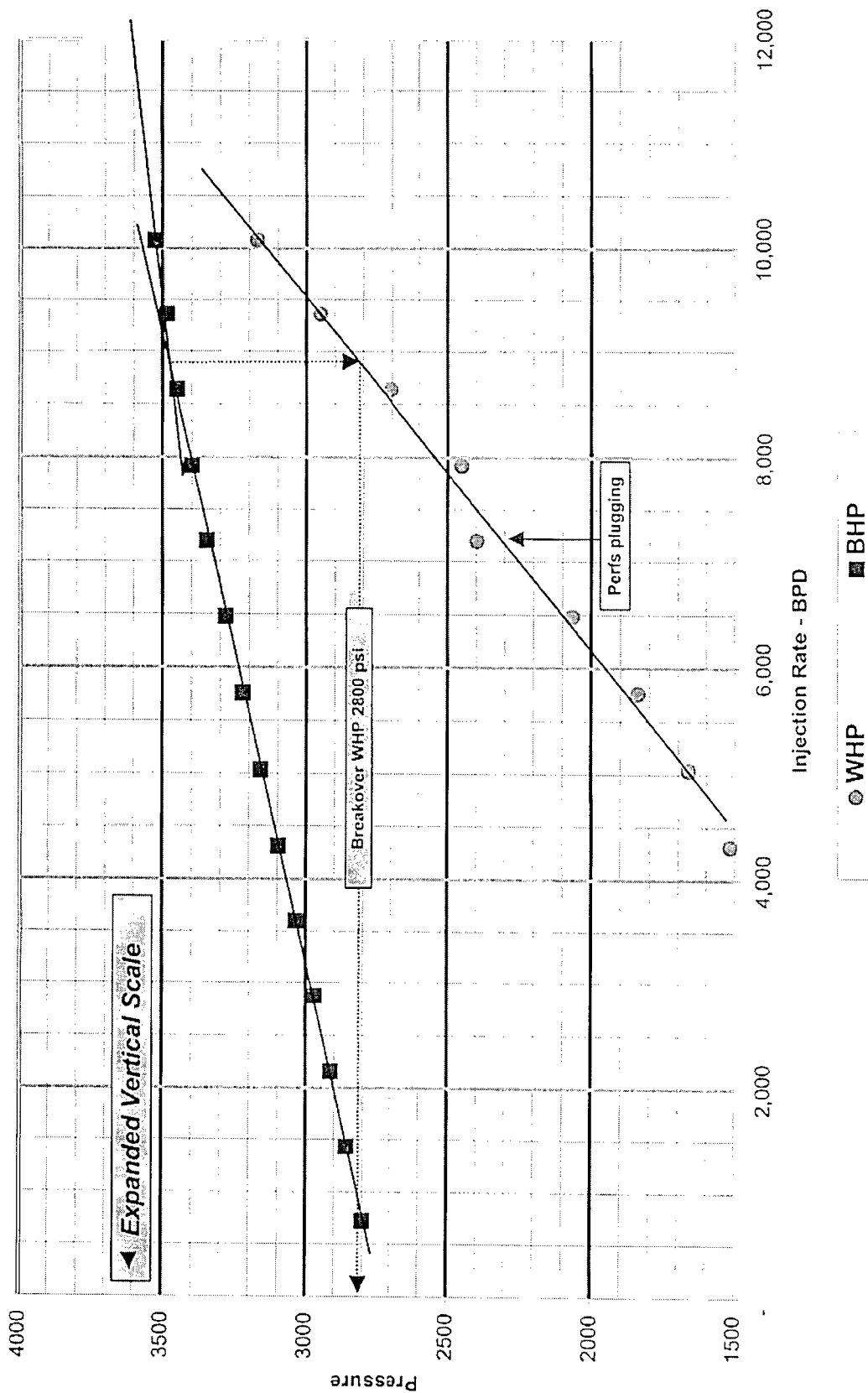
EverQuest Energy Corporation

Terry M. Duffey
10 Desta Drive, Suite 300-East
Midland, Texas 79705
432-686-9790 ofc
432-682-3821 fax

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Key Energy Services, LLD - Sunco SWD

Step-Rate Test 7/21/2007





STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

December 22, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Walsh Engineering & Production Corporation
204 North Auburn
Farmington, NM 87401

Attention: Paul C. Thompson

RE: Injection Pressure Increase, Coleman Sunco Disposal Well No. 1, Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico

Dear Mr Thompson:

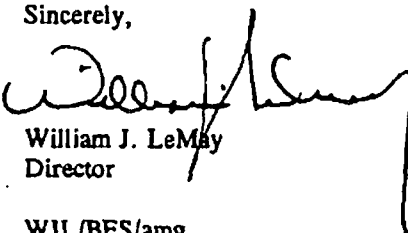
Reference is made to your request dated December 8, 1993 to increase the surface injection pressure on the above referenced well. This request is based on a step rate tests conducted on this well on December 7, 1993. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	Maximum Injection Surface Pressure
Coleman Sunco Disposal Well No. 1 1595' FNL - 1005' FWL Unit E, Section 2, Township 29 North, Range 12 West	2850 psig
This well located in San Juan County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,


William J. LeMay
Director

WJL/BES/amg

cc: Oil Conservation Division - Aztec
File: SWD-457
PSI-X, 4th Quarter 2nd

NO WAITING PERIOD

COMPANY: WALSH ENGINEERING & PRODUCTION CORP.
ADDRESS: 204 North Auburn
CITY, STATE, ZIP: Farmington, New Mexico 87401
ATTENTION: Mr. Paul C. Thompson

RE: *Injection Pressure Increase
Coleman Sunco Disposal Well No.1
Sec.2-T29N-R12W
San Juan County, New Mexico*

Dear Sir:

Reference is made to your request dated December 8, 1993, to increase the surface injection pressure on the above referenced well. This request is based on a step rate test conducted on this well December 7, 1993. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

AFTER
FAC

You are therefore authorized to increase the surface injection pressure on the following wells:

<u>Well & Location</u>	<u>Maximum Injection Surface Pressure</u>
Coleman Sunco Disposal Well No.1 1595' FNL & 1005' FWL Unit Letter "E", Section 2-T29N-R12W San Juan County, New Mexico	2850 psig

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

WJL/BES/

xc: FILE - SWD-457; 4th QTR.PSI-X OCD - Aztec



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

PSI-X N/R
OIL CONSERVATION DIVISION
RECEIVED
93 DEC 17 AM 8 54
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 12/9/93

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

PRESSURE INCREASE

RE: Proposed MC _____
Proposed NSL _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC _____
Proposed SWD ✓ SWD 457
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 12/8/93
for the COLEMAN SUNCO DISPOSAL #1, E122E/439N STEP RATE TEST
1595 N + 1005 N OPERATOR LEASE & WELL NO.
E-02-29N-12W and my recommendations are as follows:
UL-S-T-R

CURRENT MAX INJ P = 1350 psi BASED ON 1/14/93 STEP RATE TEST.
AFTER REVIEWING THE TEST RESULTS, FRANK CHAVEZ,
CHARLES GHOLSON AND I AGREE THAT COLEMAN
SUNCO DISPOSAL #1 SHOULD BE GRANTED A SURFACE
INJECTION PRESSURE OF 2850 psi (6.6 bpm).

Yours truly,

Quanna Dinkhurst

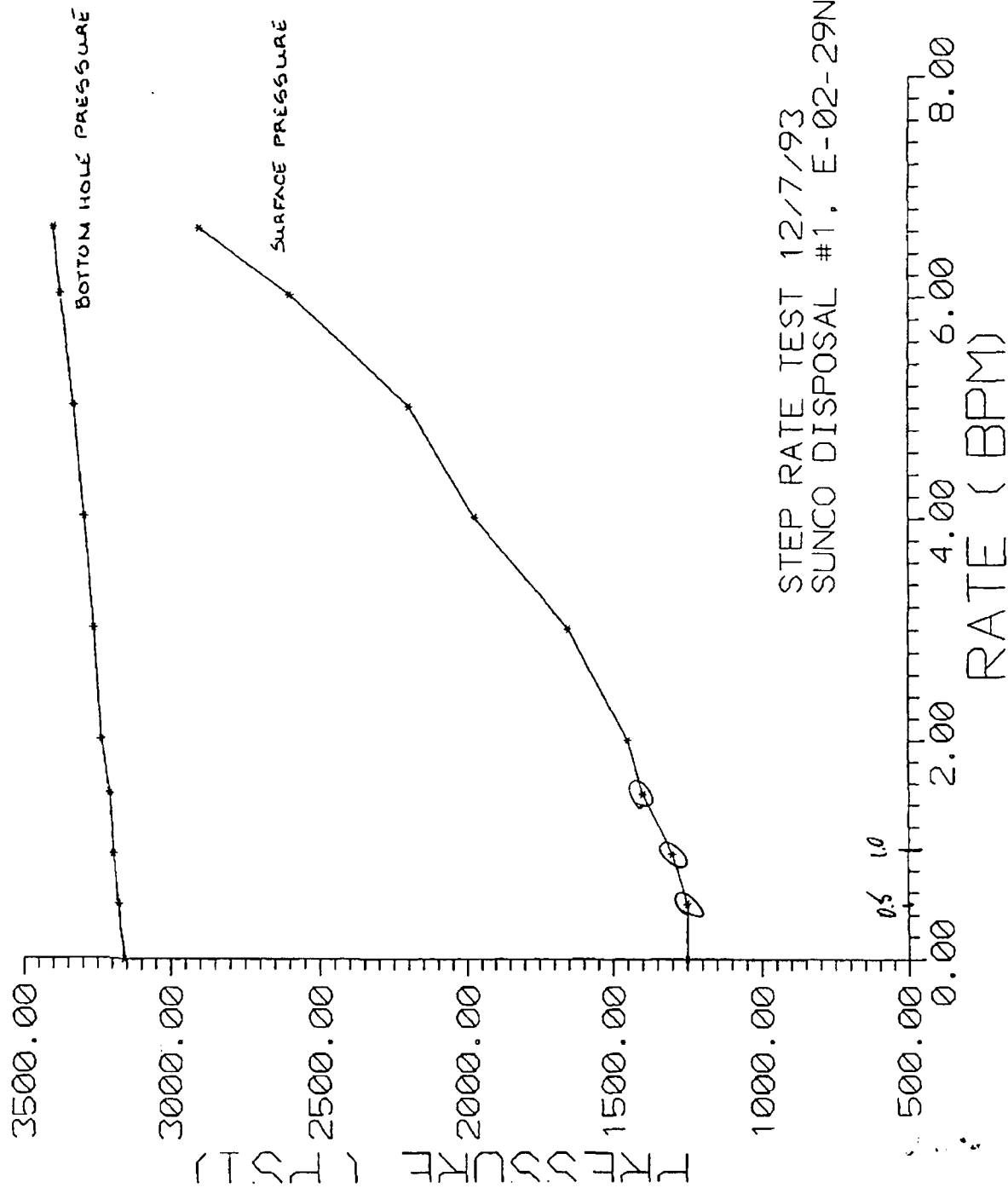
STEP RATE TEST

COLEMAN
SUNCO DISPOSAL #1
E-2-29N-12W

07 DECEMBER 93

TIME	RATE (BPM)	SURFACE PRESSURE (PSI)	BHP (ACTUAL) (PSI)
	0	1250	3158
10:45	0.50	1250	3176
11:11	0.95	1300	3192
11:26	1.50	1400	3207
11:41	2.00	1450	3235
11:56	3.00	1650	3259
12:11	4.00	1975	3292
12:26	5.00	2200	3331
12:45	6.00	2600	3374
12:55	6.60	2900	3396
1:20 (ISIP)	0	1400	3307
	5 MINS	1400	
	10 MINS	1400	
	15 MINS	1400	

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS





WALSH ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

204 N. Auburn
Farmington, New Mexico 87401
(505) 327-4882

December 8, 1993

Mr. Frank Chavez
NMOCD
1000 Rio Brazos Road
Aztec, NM 87410

Re: Sunco Disposal Well #1
NW/4 Section 2, T29N, R12W

RECEIVED
DEC - 9 1993
OIL CON. DIV
DIST. 2

Dear Mr. Chavez,

On December 7, 1993, Sunco ran a step rate injection test on the subject well. The well was fraced with 100,000# of sand since the January 14, 1993 step rate test. The data from the bottom hole pressure recorder indicates that a surface injection pressure of 2850 psig at 6.6 BPM can be achieved without breakover.

As a result of this test, Sunco requests administrative approval for an increase of the injection pressure to a maximum of 2850 psig.

Both the surface and bottom hole data are plotted on the attached Figure 1. I have attached the Western job log as Exhibit A and the bottom hole data as Exhibit B.

If you have any questions concerning this test, please don't hesitate to call.

Sincerely,

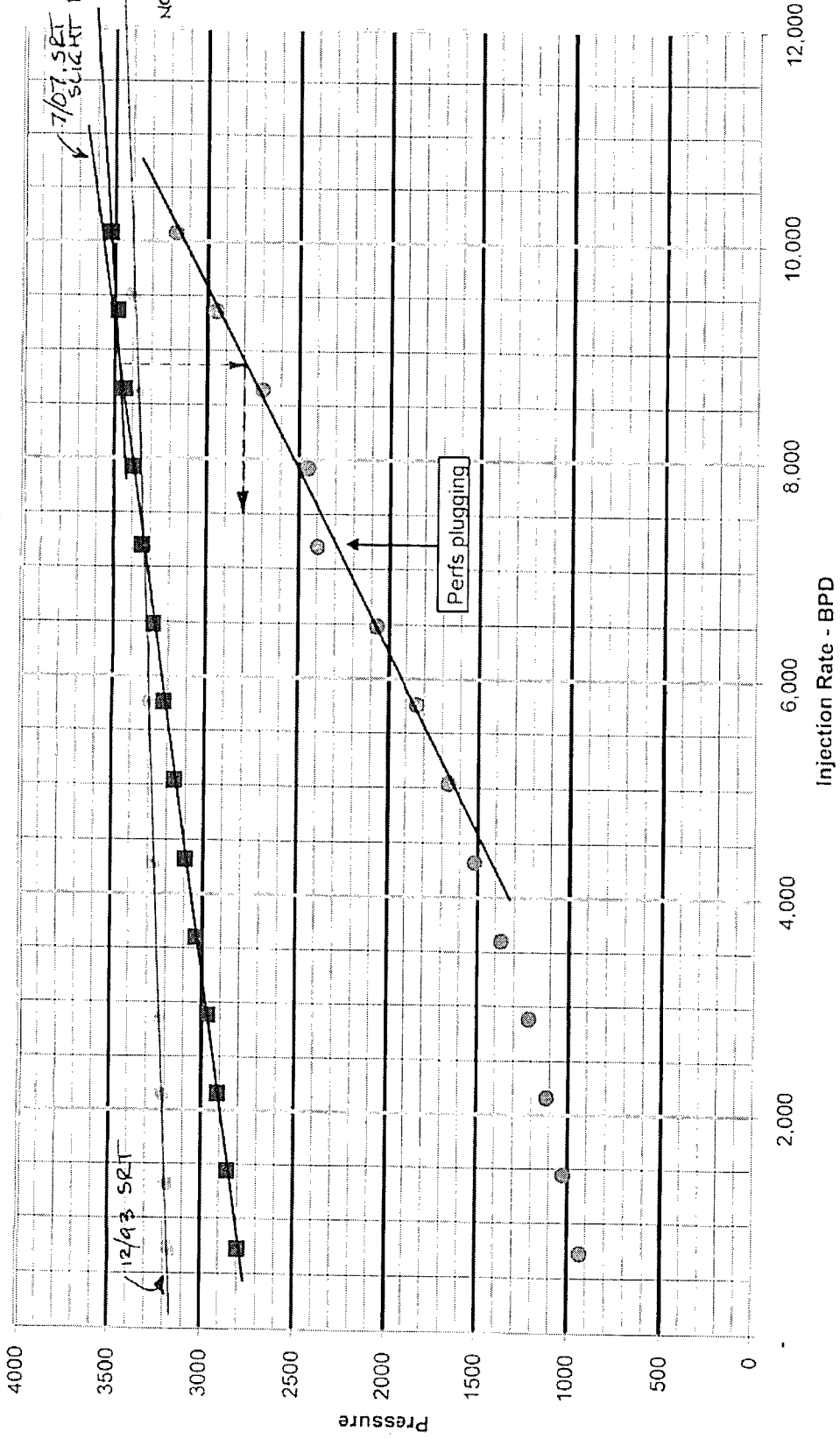
Paul C. Thompson

Paul C. Thompson, P.E.

cc: Chuck Badsgard (Sunco)

Key Energy Services, LLD - Sunco SWD

Step-Rate Test 7/21/2007



BHP From 12/93 SRT



TONEY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

September 4, 1986

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico

Attn: Doug Harris

Re: Injection Pressure Increase
McGrath No. 4 Well
Section 34, T-30N, R-12W,
San Juan County, New Mexico

Dear Sir:

Reference is made to your request of August 26, 1986 to increase the surface injection pressure on your McGrath No. 4 SWD Well. This request is based on a step rate test conducted on the well on August 25, 1986. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase your surface injection pressure on the following well:

<u>Well & Location</u>	<u>Maximum Injection</u>
McGrath No. 4	<u>Surface Pressure</u>
800 FNL & 1730 FEL	2370 PSIG
Unit B, Sec. 34, T-30N, R-12W	
San Juan County, New Mexico	

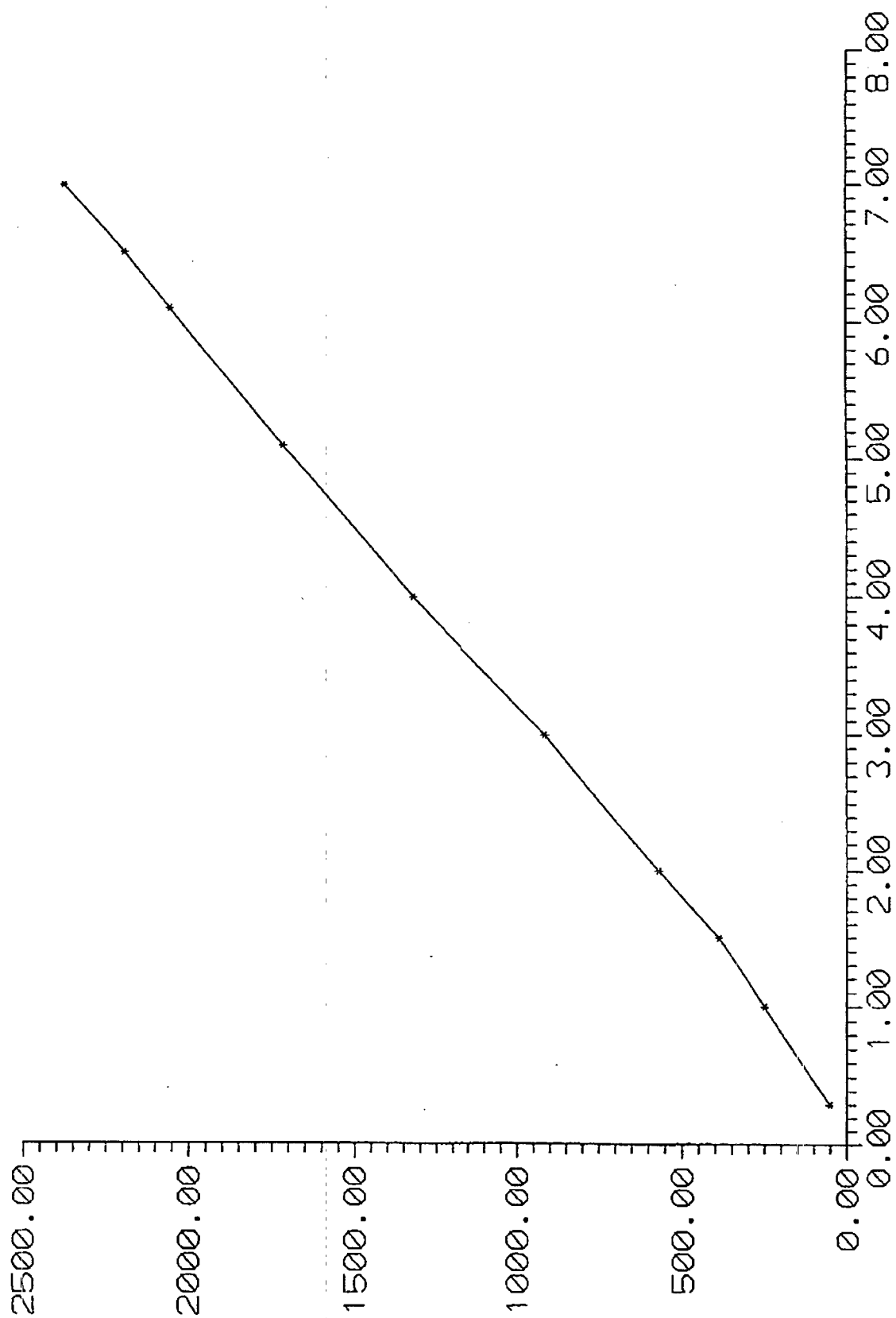
The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or it is endangering any fresh water aquifers.

Sincerely,

R. L. STAMETS
Director

xc: OGD Aztec
D. Catanach
Donna McDonald

RECEIVED
OCT 1 3 1986
OIL CON. DIV.
DIST. 1



MERIDIAN OIL

August 26, 1986

Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

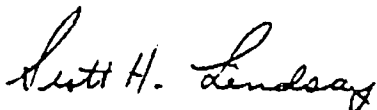
Re: McGrath #4
NE/4, Sec. 34, T-30-N, R-12-W
San Juan County, New Mexico

Dear Mr. Chavez:

Meridian Oil, Inc., recently ran a step-rate test on the subject well. The data on the next page indicate that an injection pressure of 2,370 psi at a rate of 7 BBL/min. can be achieved without breakover. As a result of this test, Meridian Oil, Inc., requests administrative approval for an increase of injection pressure and rate to a maximum of 2,370 psi at 7 BBL/min. Average injection pressure and rate is expected to be 1,320 psi at 4 BBL/min.

If I can be of further assistance in this matter, or if you have questions regarding this application, I may be contacted at 327-0251 extension 3209.

Sincerely,



Scott H. Lindsay
Production Engineer

te
Attachments

Mr. Frank Chavez
Page 2
August 26, 1986

McGrath #4 (continued)

Wellhead Pressure = 50 psig
ISIP= 1150 psig

<u>Rate (BBL/min)</u>	<u>Pressure (psig)</u>
0.3	50
1.0	250
1.5	390
2.0	570
3.0	915
4.0	1320
5.1	1715
6.1	2050
6.5	2190
7.0	2370

ENGINEERING CALCULATION

Sheet: 1 of 1
 Date: 8/25/86
 By: S. H. L.
 File: _____

MS Grath #4
 NE 1/4, Section 34, T-30-N, R-12-W
 San Juan County, New Mexico

MW		gal/mol
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂	9.64
42.08	C ₃	9.67

Pressure
 (psia) 2400

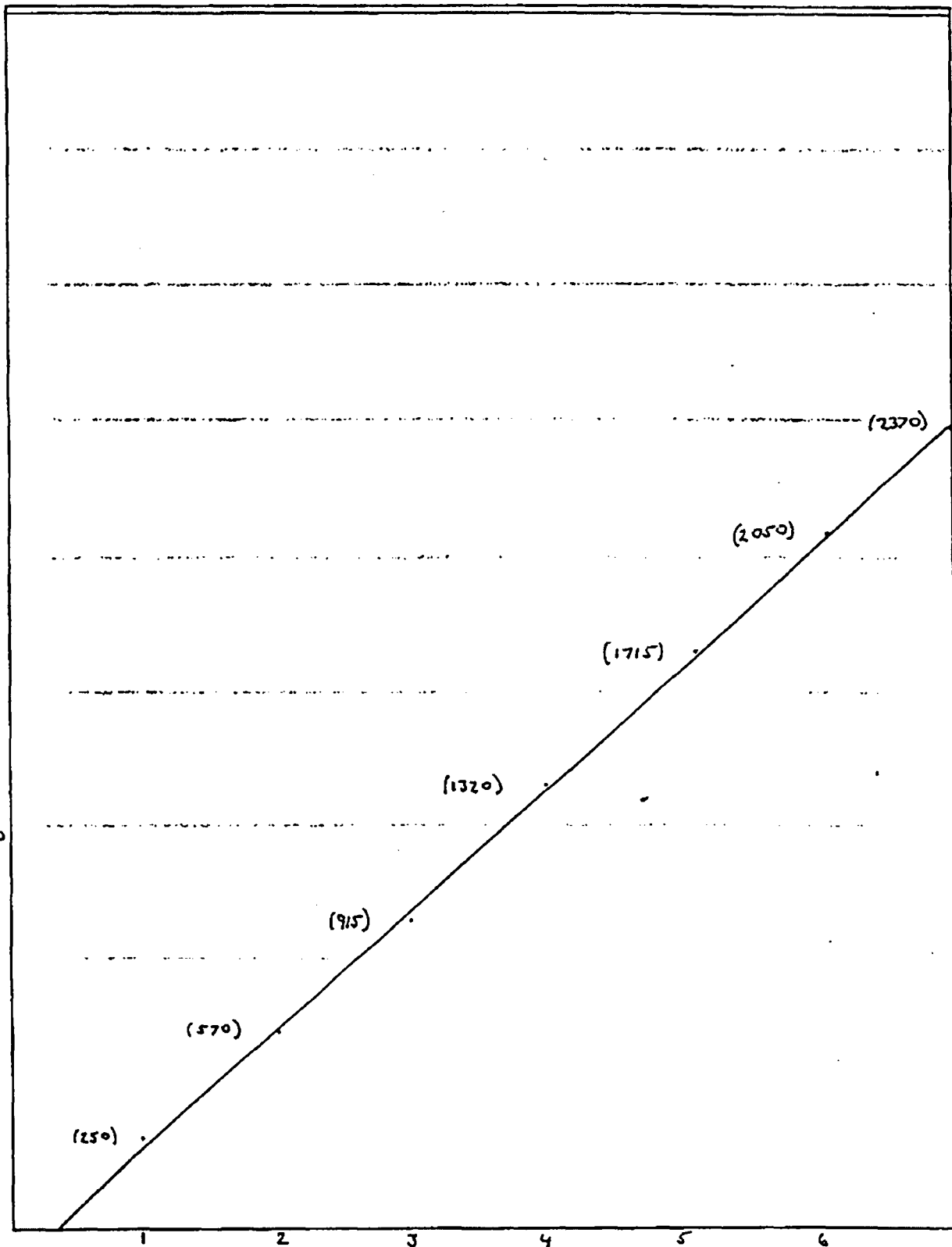
2000

MW	MISC.	gal/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	H ₂	4.18
2.02	H ₂	3.38

1200

800

400



Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Wednesday, August 25, 2010 4:48 PM
To: 'Gibson, Dan'
Cc: Altomare, Mikal, EMNRD; Molleur, Loren; 'wayne price'; VonGonten, Glenn, EMNRD
Subject: RE: Key Energy Services, LLC, Fall-Off Test 2010 (UICI-005) Request for Annual Fall-Off Test Additional Information (API# 30-045-28653)

Dan:

Good afternoon. Please see OCD responses in red text below to you inquiries.

- 2) Please double check the 1-mile Area of Review (AOR) and verify or confirm that no new wells have been drilled, since the last referenced 2007 AOR. AORs are required to be conducted annually is the discharge permit (annual report); however, the AOR requirement in the annual FOT may help satisfy this requirement. If any new wells were drilled since 2007, an updated AOR Map with well boring and construction diagrams depicting cement locations are required to help assess cement conditions in the injection zone(s). [Provide the most recent provided AOR information with the clarification that "No new wells have been drilled within the 1-mile AOR" to address this request if this is the case. Key may also provide a reference to the AOR with the clarification statement to ensure that the AOR is accurate.]

Section VI. Background Information

9. One mile Area of Review (AOR)

- a. Identification of wells located within the one mile AOR
- b. Ascertaining the status of wells within the one mile AOR
- c. Providing details on any offset producers and injectors completed in the same injection interval

- 3) Key needs to evaluate well logs for geological information from wells within the project area to determine the extent and configuration of the injection zone. [Clarification is that this is a provision of the approved Fall-Off Test Plan, which OCD feel is warranted based on the model provided and need for further verification that the geology supports the model. See Section VI of the test plan also provided below. Key may wish to provide an isopach map of the injection zone with map and at least 2 cross-sections with logs that may help confirm the geology.]

Section VI. Background Information

10. Geology

- a. Description of the geologic environment of the injection interval
- b. Discussion on the presence of pinchouts, channels, and faults, if applicable
- c. Providing a portion of a relevant structure map, if necessary

Key has identified the injection zone to be modeled as a "Homogeneous Reservoir with Finite Conductivity Fracture and 2 Parallel Boundaries." However, with the wells that exist in the region, Key should seek to address Section 10 above (perhaps an isopach map (with estimated boundaries locations- with local well log documentation may help).]

Section IX. Report Components specifies further that the above are required in the Fall-Off Test Report.

10. One mile Area of Review (AOR)

- a. Identify wells located within the one mile AOR
- b. Ascertain the status of wells within the one-mile AOR
- c. Provide details on any offset producers and injectors completed in the same injection interval

11. Geology

- a. Describe geologic environment of the injection interval
- b. Discuss the presence of geologic features, i.e., pinchouts, channels, and faults, if applicable
- c. Provide a portion of a relevant structure map, if necessary

I hope this addresses your questions. Please contact me if you have questions. Thank you.

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) 476-3490
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: Gibson, Dan [mailto:dgibson@keyenergy.com]
Sent: Wednesday, August 25, 2010 3:39 PM
To: Chavez, Carl J, EMNRD
Cc: Altomare, Mikal, EMNRD; Molleur, Loren
Subject: RE: Key Energy Services, LLC, Fall-Off Test 2010 (UICI-005) Request for Annual Fall-Off Test Additional Information (API# 30-045-28653)

Carl –

We will be able to provide the information requested in items #1 and #4 by the requested date.

For Item #2, Key very recently completed the AOR for this well as part of the annual report submitted to OCD. It is extremely unlikely any new wells have been drilled since this was prepared. It has been a number of years since any new wells were identified in the AOR updates.

We request clarification as to why Item #3 is necessary. We are not refusing your request, we just want to understand why it is necessary before we expend what will likely be considerable time, effort, and expense.

Thanks.

Daniel K. Gibson, P.G. | Key Energy Services, Inc. | Corporate Environmental Director
6 Desta Drive, Suite 4400, Midland, TX 79705 | o: 432.571.7536 | c: 432.638-6134 | e: dgibson@keyenergy.com

From: Gibson, Dan
Sent: Friday, August 20, 2010 10:30 PM
To: 'CarlJ.Chavez@state.nm.us'
Cc: 'Mikal.Altomare@state.nm.us'
Subject: Re: Key Energy Services, LLC, Fall-Off Test 2010 (UICI-005) Request for Annual Fall-Off Test Additional Information (API# 30-045-28653)

Carl- I received your info email and am working to address your requests. I'm out of the office until Wednesday, but I have passed on your requests and should have a response time frame by early Tuesday at the latest.

Thanks.

From: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
To: Gibson, Dan
Cc: Altomare, Mikal, EMNRD <Mikal.Altomare@state.nm.us>
Sent: Fri Aug 20 15:50:49 2010

Subject: Key Energy Services, LLC, Fall-Off Test 2010 (UICI-005) Request for Annual Fall-Off Test Additional Information (API# 30-045-28653)

Dan:

Good afternoon. The OCD is currently reviewing the annual Fall-Off Test (FOT) for 2010 and request the following additional information:

- 2) The real-time injection flow rate information recorded along with bottom hole pressure and temperature data during the 24 hr. period leading up to FOT monitoring is requested. This information will assist with the software application and verification that a steady-state injection condition was achieved before FOT monitoring started. Also, the OCD requires this information for its software evaluation of the FOT.
- 3) Please double check the 1-mile Area of Review (AOR) and verify or confirm that no new wells have been drilled, since the last referenced 2007 AOR. AORs are required to be conducted annually in the discharge permit (annual report); however, the AOR requirement in the annual FOT may help satisfy this requirement. If any new wells were drilled since 2007, an updated AOR Map with well boring and construction diagrams depicting cement locations are required to help assess cement conditions in the injection zone(s).
- 4) Key needs to evaluate well logs for geological information from wells within the project area to determine the extent and configuration of the injection zone.
- 5) An updated summary pressure and flow rate data chart or data table is required for the disposal well to help assess flow rates at given pressures. The last one received was from Jan. 2002 until 2008.

Please submit this information by COB on Friday, September 17, 2010. Please contact me if you have questions. Thank you.

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) 476-3490
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: <http://www.emnrd.state.nm.us/oed/index.htm>
(Pollution Prevention Guidance is under "Publications")

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Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, July 20, 2010 1:51 PM
To: 'Terry Duffey'; Jones, William V., EMNRD
Cc: wayne price; Imolleur@keyenergy.com; Bob Patterson
Subject: RE: Key Energy - Sunco SWD

Terry:

Good afternoon. OCD will require at least 24 hours and maybe more time on the bottom hole installation; however, we need the raw data so we run the software see how 24 hours worked out for Key's well this FOT. Thank you.

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) 476-3490
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: Terry Duffey [<mailto:tduffey@everquestenergy.com>]
Sent: Tuesday, July 20, 2010 12:46 PM
To: Jones, William V., EMNRD; Chavez, Carl J, EMNRD
Cc: wayne price; Imolleur@keyenergy.com; Bob Patterson
Subject: Key Energy - Sunco SWD

Our **Fall-Off Test** went well last week.

We will be analyzing the raw data over the next several weeks in preparation for our report submittal.

In the meantime I wanted to relay a snapshot of one aspect of the test results I have recognized at this point in time.

As you know, we ran the pressure bomb into the hole and recorded the last 24-hours of bottomhole injection pressure at mid-perf prior to shut-in for the fall-off period.

I have attached a graph of the recorded pressure during this 1440 minutes of injection to show how stable the data points were during that time period.

It appears that our original plan to record the final 2-hours of the BH injection pressure prior to shut-in would have been sufficient.

It would have also saved about \$1000 in wireline costs for using the Tefteller equipment an additional 20+ hours.

Our goal in satisfying the FOT requirement is to obtain accurate and meaningful information at the lowest cost possible.

We respectfully request that, in light of this information, the OCD allow us to limit our pressure recording of the stabilized BH injection pressure to **2-hours** in all future fall-off tests since we now have good justification to do so.

Please provide us with an answer via email and we will integrate this 2-hour timeframe into all future FOT planning.

We wish to resolve this issue while the information is still in the forefront of our minds.

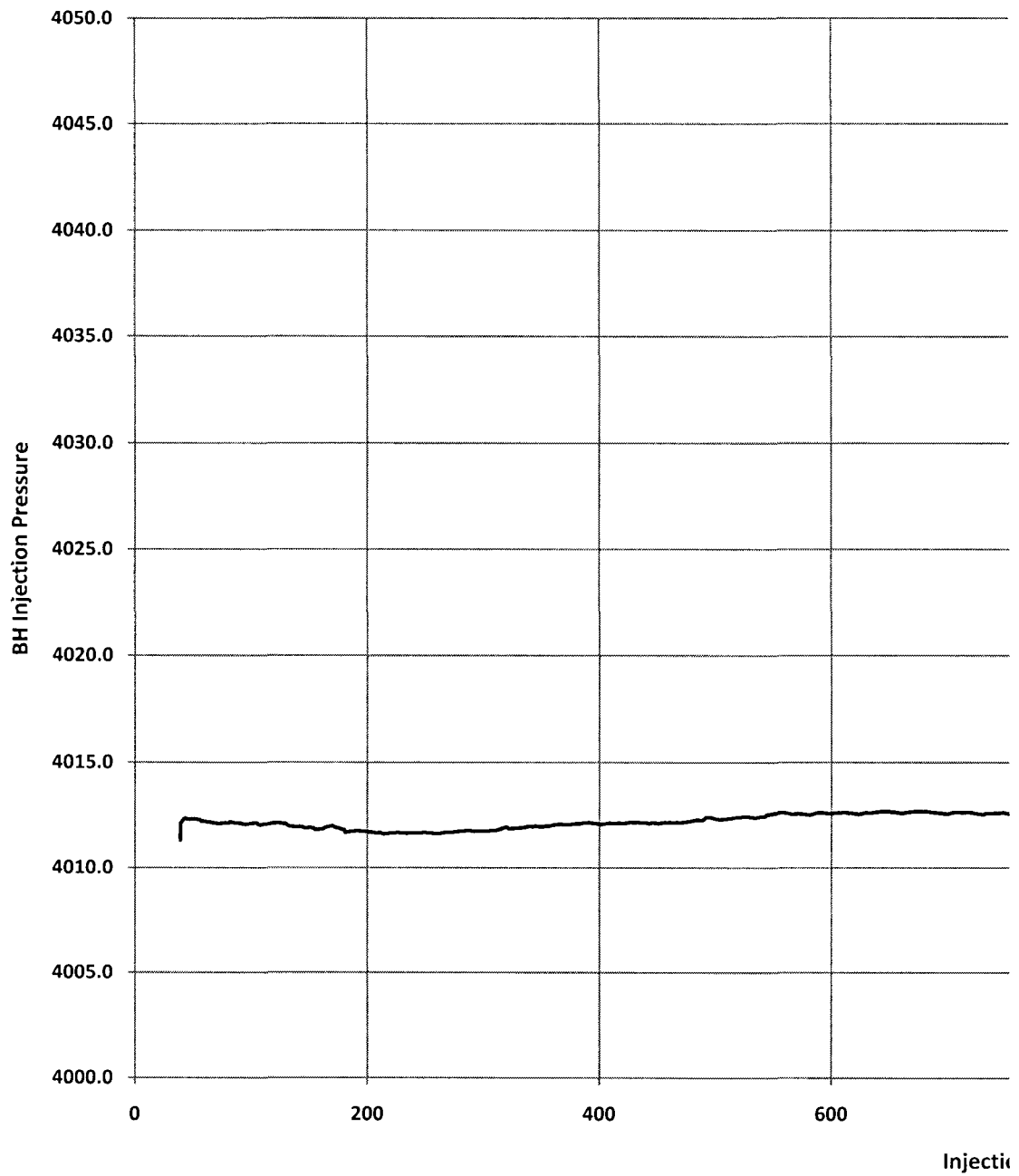
Your timely response would be appreciated.

EverQuest Energy Corporation

Dominating World Oil...One Well at a Time

Terry M. Duffey
10 Desta Drive, Suite 300-East
Midland, Texas 79705
432-686-9790 ofc
432-682-3821 fax

Key Energy -
Bottomhole Stabilize
2010 Fall



Sunco SWD

ed Injection Pressure

-Off Test



on Time - minutes

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, July 13, 2010 6:10 AM
To: Chavez, Carl J, EMNRD
Subject: FW: Key Injection well UIC-5 Note to File

Monica Kueling (OCD- Aztec) called Monday, July 12, 2010 to inform OCD-EB that OCD-Aztec witnessed the bottom hole gauge installation, which landed at 4,412 ft. FOT monitoring should begin in another 24 hours and pressure and flow rate monitoring should determine whether steady-state injection condition was achieved and for data input for Fekete Model Software. OCD typically requires min. 48 hours installation of BOMs in advance of FOT, but Key indicated that past FOTs where steady-state injection was achieved, but OCD needs data for software analysis. Settled on 24 hrs. for this test. OCD-Aztec may be present before injection shut-off and start of FOT monitoring...

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) 476-3490
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")

-----Original Message-----

From: wayne price [mailto:wayneprice77@earthlink.net]
Sent: Monday, July 12, 2010 8:37 AM
To: Chavez, Carl J, EMNRD
Subject: Key Injection well UIC-5

Good Morning,

It looks like the pressure gauges may be put in the hole sometime today, we have notified Monica.
Thanks for expediting the pressure gauge time issue. Will stay in touch. If you need to get in touch with me call me at 505-715-2809.
I am heading up to Farmington now.

Chavez, Carl J, EMNRD

From: Kuehling, Monica, EMNRD
Sent: Friday, July 09, 2010 7:11 AM
To: Chavez, Carl J, EMNRD
Subject: RE: C-103 Key Energy Services L.L.C. Class I Oilfield (NH) Disposal Well (API# 30-045-28653

Hey there Carl,

I witnessed the MIT and bradenhead test yesterday. The bradenhead had nothing on it when opened. The casing set at 400 lbs during the whole MIT test of 30 minutes.

Wayne was there with his wife Mary Ann. Neal, Steve and Mel were also on site.

I also witness Wayne taking the quarterly samples of water from the production water tanks.

All looked good.

They are to start their injecting for the fall off test this morning at 7 a.m.

Amy is out this week so it will be sometime next week when you can view the forms for the tests (MIT and Bradenhead) in the well file.

Have a great weekend.

Monica Kuehling

Compliance Officer
NM Oil Conservation Division
Aztec New Mexico
Office Phone 505-334-6178
Cell Phone 505-320-0243

From: Chavez, Carl J, EMNRD
Sent: Thursday, July 08, 2010 8:18 AM
To: Kuehling, Monica, EMNRD
Subject: RE: C-103 Key Energy Services L.L.C. Class I Oilfield (NH) Disposal Well (API# 30-045-28653

Good morning Monica.

Yes please. 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) 476-3490
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: Kuehling, Monica, EMNRD
Sent: Thursday, July 08, 2010 8:16 AM

To: Chavez, Carl J, EMNRD

Subject: RE: C-103 Key Energy Services L.L.C. Class I Oilfield (NH) Disposal Well (API# 30-045-28653)

Hello Carl,

I just came back after the 4th and did not get a chance before I left last Friday to look at my e-mail.

Do you want Amy to put the e-mail attached to the c-103 in the well file also??

I will be conducting an mit this afternoon at 1p.m. at Key.

I will send you info on what happens in the morning. Amy is gone the rest of the week so the scanning will not be done until probably Monday.

Have a great day.

Monica Kuehling

Compliance Officer

NM Oil Conservation Division

Aztec New Mexico

Office Phone 505-334-6178

Cell Phone 505-320-0243

From: Chavez, Carl J, EMNRD

Sent: Friday, July 02, 2010 1:39 PM

To: Kuehling, Monica, EMNRD

Cc: wayne price

Subject: C-103 Key Energy Services L.L.C. Class I Oilfield (NH) Disposal Well (API# 30-045-28653)

Monica:

Please find attached the Fall-Off Test (FOT) Plan and signed C-103 for the upcoming FOT where Key is mobilizing on-site on July 8, 2010 to begin operations. Wayne will give you a courtesy call at times reflected in my e-mail in the event you are available to witness a couple of key events.

Also, if you could scan the C-103 into the API file, I would appreciate it this time as Lawrence is out for 2 weeks on vacation. If not, I'll get it when he returns.

Please contact me if you have questions. Thanks.

P.S. Hope you have a Happy 4th! ☺

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) 476-3490

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")

Chavez, Carl J, EMNRD

From: wayne price [wayneprice77@earthlink.net]
Sent: Monday, June 21, 2010 2:41 PM
To: Perrin, Charlie, EMNRD; VonGonten, Glenn, EMNRD; Chavez, Carl J, EMNRD
Cc: Neil Allen
Subject: UIC-5 Key Injection Well and Fall-test

Gentlemen,

Key representatives will be contacting you in the near future concerning the MIT/FO test scheduled to start on or around the 8th of July.

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, April 23, 2010 7:25 AM
To: 'Patterson, Bob'; 'Dan Gibson'; 'Moore, Darrell'; 'Lackey, Johnny'; 'Schmaltz, Randy'
Cc: Dade, Randy, EMNRD; Perrin, Charlie, EMNRD
Subject: New Mexico UIC Class I (non-hazardous) Well MIT & Annual Fall-Off Test Scheduling with Completion by September 30, 2010

Gentlemen:

Re:

Key Energy Services: UICI-005
Navajo Refining Company: UICI-008; UICI-008-0 & UICI-008-1
Western Refining Southwest: BW-028

Good morning. It is that time of year again to remind operators that their annual MITs and Fall-Off Tests (FOT) for this season must be completed by 9/30/2010. The list of operator names w/ associated UIC Class I (non-hazardous) Wells are provided above.

Operators are aware of the MIT (30 min @ 300 psig or more w/ Bradenhead) requirement(s) and more frequent where required.

The FOTs span several days with a couple of important notes to operators from past testing, please install your bottom hole gauge(s) with recorder(s) at least 48-hours in advance of the pump shut-off during the steady-state injection period. Also, you are accountable for your OCD approved FOT Test Plan and the requirements in the UIC Test Guidance at <http://www.emnrd.state.nm.us/ocd/documents/UICGuidance.pdf>.

You may access your well information on OCD Online either by API# and/or Permit Number at <http://ocdimage.emnrd.state.nm.us/imaging/AEOrderCriteria.aspx> and <http://www.emnrd.state.nm.us/OCD/OCDPermitting/Data/Wells.aspx>. For information on New Mexico's UIC Program and training information, please go to: <http://www.emnrd.state.nm.us/ocd/Publications.htm>.

Please contact me at (505) 476-3490 on or before May 7, 2010 to schedule your preferred MIT and FOT date and time. I will work to finalize the witness schedule with each of you. Thank you in advance for your cooperation.

Copy: Class I (non-hazardous) Well Files UICI- 5, 8, 8-0, 8-1 & 9

Carl J. Chavez, CHMM
UIC Quality Assurance and Quality Control Officer
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3490
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")

Chavez, Carl J, EMNRD

From: Terry Duffey [tduffey@everquestenergy.com]
Sent: Tuesday, October 13, 2009 1:25 PM
To: Chavez, Carl J, EMNRD
Subject: Sunco SWD Class I - Fall-Off Test
Attachments: FOT - Results and Report.doc; 2009 Sunco FOT- Raw Data.xls; Daily Downhole Injection Report.xls; Tefteller Report - 2009 FOT.pdf; Tefteller - Gauge Calibration Report.pdf; Pro Wireline - Analysis Report - 2009 FOT.pdf

The reports and various attachments stemming from the recent FOT are included for your use and inspection.

EverQuest Energy Corporation

Dominating World Oil...One Well at a Time

Terry M. Duffey
10 Desta Drive, Suite 300-East
Midland, Texas 79705
432-686-9790 ofc
432-682-3821 fax

This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.

September 2009 Fall-off Test (FOT) Results and Report

Key Energy Services, LLC

Sunco SWD #1 – Class I Non-Hazardous Oil Waste Disposal Well – Permit# UIC-CLI-005

API# 30-045-28653

1595 FNL and 1005 FWL

Unit Letter E, Section 2, T29N, R12W

San Juan County, NM

A fall-off test was successfully completed on this well in accordance with the approved test plan on-file with the OCD Environmental Bureau. The well injection rate was kept virtually constant at 4600 bbl/day for a 99-hours period leading up to the time of shut-in on September 22, 2009. Originally the intent was to inject at 2000 bpd however the pump configuration made the higher rate more easily maintained. Available water also made the higher rate possible. The fall-off pressures were measured with downhole gauges set at mid-perfs (4405') for 72-hours.

All of the following references are relative to the NMOCD UIC Class I Well Fall-Off Test Guidance document dated 12/3/2007

Section VIII – Evaluation of Test Results

- 1-7. A professional engineer with **Pro Well Testing & Wireline** in Midland, Texas interpreted the results of the test using **Kappa** PTA software. The results of his interpretation are attached. The various attachments to the report address Section VIII.1-7 of the Guidance Document.
8. The **Teffeller, Inc.** tabular listing of Time, Pressure and Temperature shows that the bottom hole temperature during the fall-off time increased by almost 20 degree during the 72-hour test. The 96-hour injection conditioning period injected fluids that were relatively cool due to ambient air temperature conditions (the overnight temperatures hovered near freezing). This injection cooled the injection interval well-below normal static temperature. Thus, during the fall-off period the injection interval temperature was slowly increasing toward the normal static value. The gradient stops show the temperature at 4000 feet to be about 20 degrees above the final temperature recorded at mid-perfs (4405'). These temperature variations should have minimal impact on the pressure analysis results.
9. The log-log plot of the derivative data indicates a boundary was seen about 25-hours into the test period. We do not have sufficient subsurface geological data to determine the extent or shape of the injection zone surrounding the well. More than likely, the radial flow is limited in some particular direction. That "boundary" is not restricting injection into the remainder of the formation volume affected by this well. A similar boundary was seen in the 2008 test.

Section IX – Report Components

1. See above
2. See above
3. Wellbore sketch attached to 2008 Report is unchanged
4. Copy of electric well log – previously submitted
5. Copy of porosity well log – previously submitted
6. No PVT data necessary, injected fluid is fresh-to-slightly saline water. No significant hydrocarbons present that would alter the density, compressibility and/or viscosity of the fluid.
7. The Key Energy internal Daily Injection Reports were used to determine the appropriate injection history to use for the analysis. A summary of those reports

September 2009 Fall-off Test (FOT) Results and Report

Key Energy Services, LLC

Sunco SWD #1 – Class I Non-Hazardous Oil Waste Disposal Well – Permit# UIC-CLI-005

API# 30-045-28653

1595 FNL and 1005 FWL

Unit Letter E, Section 2, T29N, R12W

San Juan County, NM

- beginning on 4-1-09 is attached. In the 17-days prior to the pre-conditioning period there were only a few hours of injection. For PTA purposes, this relatively low injection rate/volume was significantly long to justify using the average injection rate from the pre-conditioning period (4600 bpd) to calculate the reservoir parameters. The total injection volume was 18,698 bbls during the 99-hour pre-conditioning period ($18,698 \text{ bbls} / 99 \text{ hrs} \times 24 \text{ hr/day} = 4600 \text{ bbl/day}$ average injection rate).
8. The Sunco SWD #1 has injected approximately 13.5 million barrels into the Point Lookout formation from 1994 through June 2009. The Conoco Phillips McGrath #4 SWD, located approximately 1 mile north, is also actively injecting into the same formation. Cumulative injection at this location is 15.4 million barrels through May 2009.
 9. Micro-Smart Systems Model SP2000 gauges, SN 252, pressure range 0-5000 psig, last date of calibration 2/18/2009, recommended annual calibration frequency, certificate of calibration and accuracy verification is attached.
 10. Refer to the Discharge Permit renewal documentation submitted to the OCD in 2007. A copy of the *Area of Review* table included with that submission is attached.
 11. Geological information should have accompanied the original permit application in 1994 by the original well operator. No geological data was transferred to successive owners since that time. Key Energy has not made a geological analysis of the Point Lookout formation in the vicinity of this disposal well.
 12. The Conoco Phillips McGrath #4 SWD, located approximately 1 mile north, is also actively injecting into the Point Lookout formation. This is a private facility. As far as we know this well was active during our test period. Although both wells are disposing into the same interval we have no reason to believe any interference between the two wells exists. In the future, if the OCD wishes this well to be monitored during our annual FOT they should initiate the request with Conoco Phillips under their regulatory authority.
 13. a-c. Injection Preconditioning; 7:00 AM, September 18, 2009 to 10:00 AM September 22, 2009 – injection fluid is mixture of waters trucked into facility from various locations. No change in water analysis previously submitted to OCD.
Begin Fall-off period: 10:00 AM, September 22, 2009
End Fall-off period: 10:00 AM, September 25, 2009
d. Final bottomhole injection pressure: 9:57 AM, 9/22/09 - 3957 psig, 72.6 degrees F
e. Total shut-in time 72-hours
f. Final static bottomhole pressure and temperature at end of fall-off period: 10:02 AM, 9/25/09 - 3545 psig, 83 degrees F
 14. A wing valve located on the on the well's Christmas tree was closed to begin the FOT
 15. The key to PTA interpretation is to correctly model the reservoir in the first place. The reservoir model that best fit the test data is a Homogeneous Reservoir with a Finite Conductivity Fracture and a Constant Pressure Boundary. The log-log derivative pressure match using this model is excellent. Furthermore, the calculated reservoir parameters are quite reasonable considering that the well was initially hydraulically fractured and has exhibited very good injectivity since

September 2009 Fall-off Test (FOT) Results and Report

Key Energy Services, LLC

Sunco SWD #1 – Class I Non-Hazardous Oil Waste Disposal Well – Permit# UIC-CLI-005

API# 30-045-28653

1595 FNL and 1005 FWL

Unit Letter E, Section 2, T29N, R12W

San Juan County, NM

- injection began in 1994. The PTA software internally calculates the results automatically. All equations are imbedded in the software and are congruent with professional reservoir engineering pressure transient analysis principals.
16. The log-log plot of the derivative data indicates a boundary was seen about 25-hours into the test period. We do not have sufficient subsurface geological data to determine the extent or shape of the injection zone surrounding the well. More than likely, the radial flow is limited in some particular direction. That “boundary” is not restricting injection into the remainder of the formation volume affected by this well.
17. As seen in the log-log derivative plot, the test was dominated by radial flow. The reservoir appears to be quite homogeneous as there are no anomalous pressure diversions seen in the pressure data – other than the increase in slope seen in the derivative data beginning at the 25th hour after shut-in (see #16 above).
18. See **Pro Well Testing & Wireline** report for graphs
19. The **Pro** test results for 2007 and 2008 are also attached. The table below compares various reservoir parameters derived from each test. These tests exhibit very good consistency and the interpretive model used in each analysis honors the hydraulic fracture completion of the well. The negative skin values illustrate that the original fracture is still open. The half-length of 600-700 feet is realistic for a 100,000 lb sand frac in a 110' thick sand.

Parameter	2009 Results	2008 Results	2007 Results
Reservoir pressure	3242 psig	3176 psig	3258 psig
Permeability	10.2 md	20.7 md	17.5 md
Skin	-7.23	-6.79	-6.93
Fracture half-length	926 ft	596 ft	688 ft
Boundary	755 ft	987 ft	None seen
Radius of Investigation	1250 ft	1760 ft	1620 ft

20. The raw test data will be kept on file for a period of 3-years and will be made available to the OCD upon written request.



ACCURACY VERIFICATION

18-February-2009

Gauge Model SP-2000 Pressure Range 5 K
Gauge S/N 252 Accuracy 0.05% Full Scale

Applied Pressure psig	Recorded Pressure psig	Difference	
		psi	Percent (%)
0.01	0.010	0.00	0.0000%
774.08	774.013	-0.07	-0.0013%
1498.24	1497.814	-0.43	-0.0085%
2222.36	2221.572	-0.79	-0.0158%
2946.53	2945.710	-0.82	-0.0164%
3670.66	3669.924	-0.74	-0.0147%
4394.87	4394.493	-0.38	-0.0075%
5119.00	5118.854	-0.15	-0.0029%
4394.87	4395.234	0.36	0.0073%
3670.66	3671.125	0.47	0.0093%
2946.53	2946.896	0.37	0.0073%
2222.36	2222.872	0.51	0.0102%
1498.24	1498.550	0.31	0.0062%
774.08	774.074	-0.01	-0.0001%
0.01	0.010	0.00	0.0000%

Oven Temperature: 180.0 °F

Probe Temperature: 180.0 °F

Smart Gauge Calibration accuracy is confirmed.

Calibrated with RUSKA Pressure Standard, model # 2451-
Serial #24577, Mass Set Serial #24395
Compensated to local acceleration due to gravity

Verified by: C722

Key Energy Services, LLC
Sunco #1 SWD

Daily Downhole Injection Report

Date	Barrels	Date	Barrels	Date	Barrels	Date	Barrels	Date	Barrels
4/1/2009	880	5/1/2009	640	6/1/2009	160	7/1/2009	240	8/1/2009	760
4/2/2009	1040	5/2/2009	480	6/2/2009	640	7/2/2009	560	8/2/2009	1382
4/3/2009	720	5/3/2009	320	6/3/2009	560	7/3/2009	400	8/3/2009	641
4/4/2009	240	5/4/2009	560	6/4/2009	1120	7/4/2009	480	8/4/2009	1482
4/5/2009	480	5/5/2009	760	6/5/2009	760	7/5/2009	0	8/5/2009	1690
4/6/2009	560	5/6/2009	320	6/6/2009	240	7/6/2009	240	8/6/2009	1571
4/7/2009	1000	5/7/2009	480	6/7/2009	400	7/7/2009	480	8/7/2009	879
4/8/2009	600	5/8/2009	320	6/8/2009	920	7/8/2009	635	8/8/2009	1870
4/9/2009	1280	5/9/2009	720	6/9/2009	560	7/9/2009	160	8/9/2009	895
4/10/2009	360	5/10/2009	400	6/10/2009	240	7/10/2009	480	8/10/2009	754
4/11/2009	400	5/11/2009	720	6/11/2009	240	7/11/2009	400	8/11/2009	1317
4/12/2009	0	5/12/2009	960	6/12/2009	560	7/12/2009	880	8/12/2009	1276
4/13/2009	1480	5/13/2009	640	6/13/2009	400	7/13/2009	480	8/13/2009	1199
4/14/2009	480	5/14/2009	800	6/14/2009	160	7/14/2009	1440	8/14/2009	1404
4/15/2009	320	5/15/2009	720	6/15/2009	240	7/15/2009	1000	8/15/2009	0
4/16/2009	600	5/16/2009	480	6/16/2009	480	7/16/2009	1400	8/16/2009	1179
4/17/2009	560	5/17/2009	400	6/17/2009	560	7/17/2009	1200	8/17/2009	1625
4/18/2009	1280	5/18/2009	320	6/18/2009	400	7/18/2009	880	8/18/2009	933
4/19/2009	480	5/19/2009	600	6/19/2009	720	7/19/2009	1160	8/19/2009	0
4/20/2009	640	5/20/2009	880	6/20/2009	320	7/20/2009	960	8/20/2009	1515
4/21/2009	685	5/21/2009	400	6/21/2009	400	7/21/2009	2200	8/21/2009	1446
4/22/2009	440	5/22/2009	240	6/22/2009	240	7/22/2009	1160	8/22/2009	0
4/23/2009	800	5/23/2009	320	6/23/2009	0	7/23/2009	1140	8/23/2009	684
4/24/2009	600	5/24/2009	240	6/24/2009	960	7/24/2009	1680	8/24/2009	0
4/25/2009	480	5/25/2009	640	6/25/2009	320	7/25/2009	1200	8/25/2009	792
4/26/2009	320	5/26/2009	640	6/26/2009	600	7/26/2009	1280	8/26/2009	680
4/27/2009	400	5/27/2009	240	6/27/2009	560	7/27/2009	1620	8/27/2009	542
4/28/2009	400	5/28/2009	480	6/28/2009	160	7/28/2009	1620	8/28/2009	0
4/29/2009	560	5/29/2009	1040	6/29/2009	80	7/29/2009	790	8/29/2009	1269
4/30/2009	400	5/30/2009	720	6/30/2009	560	7/30/2009	2210	8/30/2009	0
Total	18485	5/31/2009	160	Total	13560	7/31/2009	1280	8/31/2009	432
12-hr Ave*	616	Total	16640	12-hr Ave*	452	Total	29655	Total	28217
24-hr Ave	1232	24-hr Ave	1074	24-hr Ave	904	Total	957	24-hr Ave	910
						24-hr Ave	1913		1820

Date	Barrels	
9/1/2009	0	
9/2/2009	0	
9/3/2009	0	
9/4/2009	0	
9/5/2009	0	
9/6/2009	0	
9/7/2009	0	
9/8/2009	1497	
9/9/2009	0	
9/10/2009	0	
9/11/2009	0	
9/12/2009	195	
9/13/2009	0	
9/14/2009	345	
9/15/2009	743	
9/16/2009	0	
9/17/2009	0	MIT well test
9/18/2009	4425	Conditioning - Injection continuously
9/19/2009	4580	Conditioning - Injection continuously
9/20/2009	4552	Conditioning - Injection continuously
9/21/2009	4544	Conditioning - Injection continuously
9/22/2009	597	Conditioning - Injection continuously
Total pumped 18,698 bbls over 95-hr conditioning period		
Average injection rate during conditioning period 4600 bbl/day		

* Facility only operates during daylight hours - 24-hour volume is calculated as if the facility was injecting continuously (2X the 12-hour rate)



P.O. Box 791
Hobbs, New Mexico 88241
(505) 397-3590

October 12, 2009

Mr. Terry M. Duffey
Everquest Energy Corporation
10 Desta Drive
Suite 300E
Midland, Texas 79705

Mr. Duffey,

I have analyzed the data from the falloff that was run on the Key Energy Sunco SWD Well #1 in San Juan, New Mexico. The data looked like a fraced well even on the Cartesian plot. The acquired data was relatively smooth and did not show any mechanical problems. I modeled the data as a **Homogeneous Reservoir with a Finite Conductivity Fracture and a constant pressure boundary.**

The first page of this report is the **Main Results** page, which has the parameters, used for the calculations and the answers that I found. I used an injection rate of **4600 barrels of water per day**. The time used for the injection period prior to the falloff was **99 hours**. The **net interval that I used was 110 feet with an average porosity of 13%**. The pressure that the model generated was **3242.23 psi**, the **permeability was 10.2 md.**, and the Geometric skin was **-7.23**. **The fracture half-length was found to be 926 feet**. The **radius of investigation was 1250 feet**. The **boundary** was seen at **755 feet** from the well bore. The boundary is a no-flow boundary and that just means that the injection is going in radially, but cannot inject in this direction.

The second page is the **History** page. This page matches the model in red against the data in green. The model matches most all the data pretty well. The matching of the model to the Cartesian plot, the Semi-Log and Log-Log gives us a degree of confidence that we have chosen the correct model. If all three plots match well and the permeability, pressure and skin are reasonable numbers, then we know that the model is a good one. The model matches all of these plots very well and is considered a good model match.

The third, fourth and fifth pages are the **Semi-Log** plots. The pressure is in green and the model is the red line. The model matches very well. I have drawn a straight line for comparison purposes and the results from this straight line give us a **pressure of 3387.79 psi, a permeability**

of 16.1 md. and a skin of -6.92. These numbers are relatively close to the Log-Log model match and are considered a very good comparison.

The last page is the Log-Log plot with derivative. This is the actual model page that I use to match the data. The delta pressure is in green, the derivative data is in red, the data model is in a red solid line and the derivative model is the solid black line. The dotted horizontal line is the radial flow line that the model generates. This model follows the data very well and the boundary is evident at about 25 hours where the derivative slope goes slightly upward.

We appreciate this work and look forward to working more with you in the near future. If you have any questions, please give me a call at 915-697-2932 or at our office in Hobbs, New Mexico at (575) 397-3590. Thank you.

Sincerely,

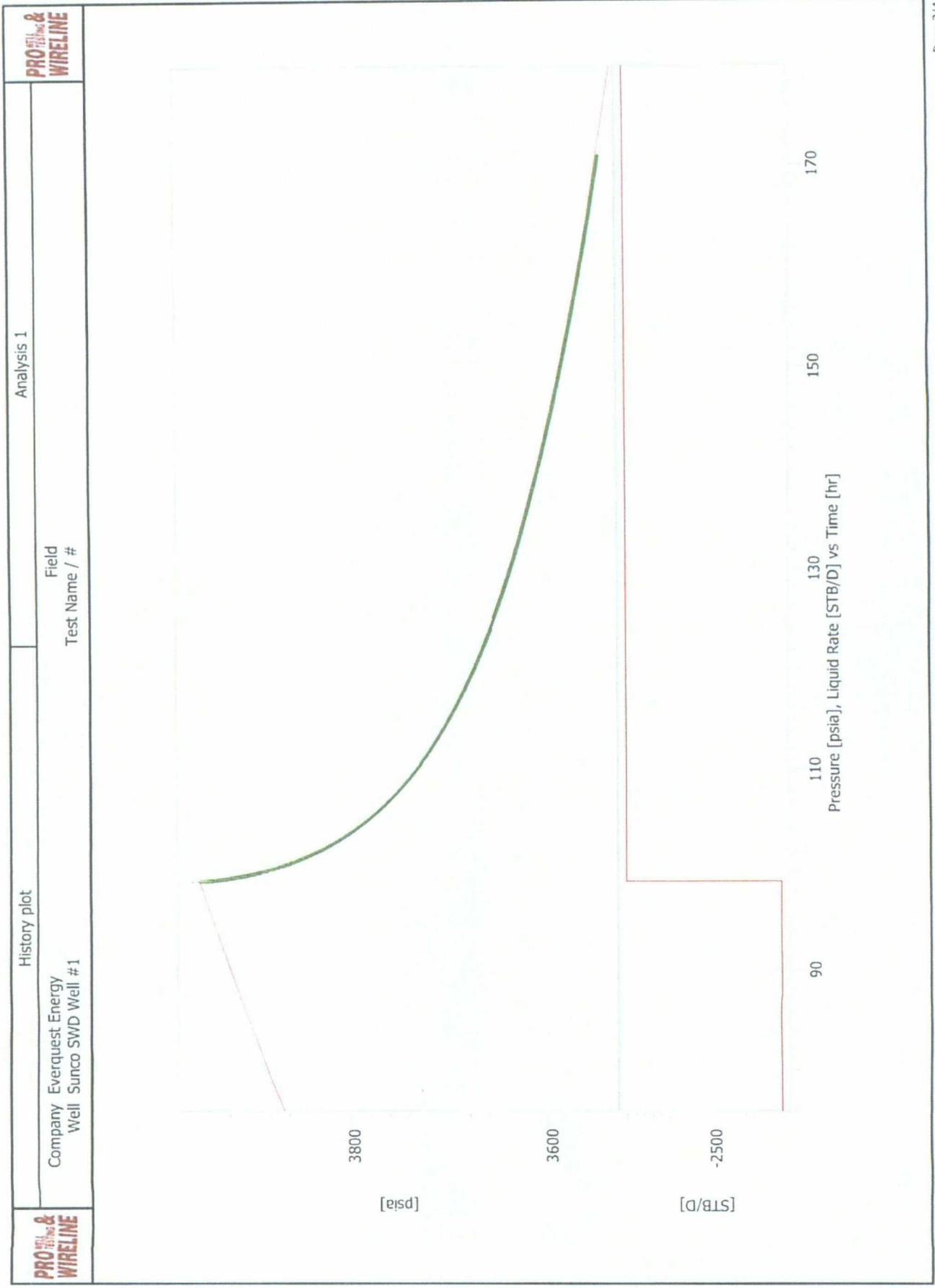
A handwritten signature in black ink, appearing to read "Robert E. Shafer Jr.", written in a cursive style.

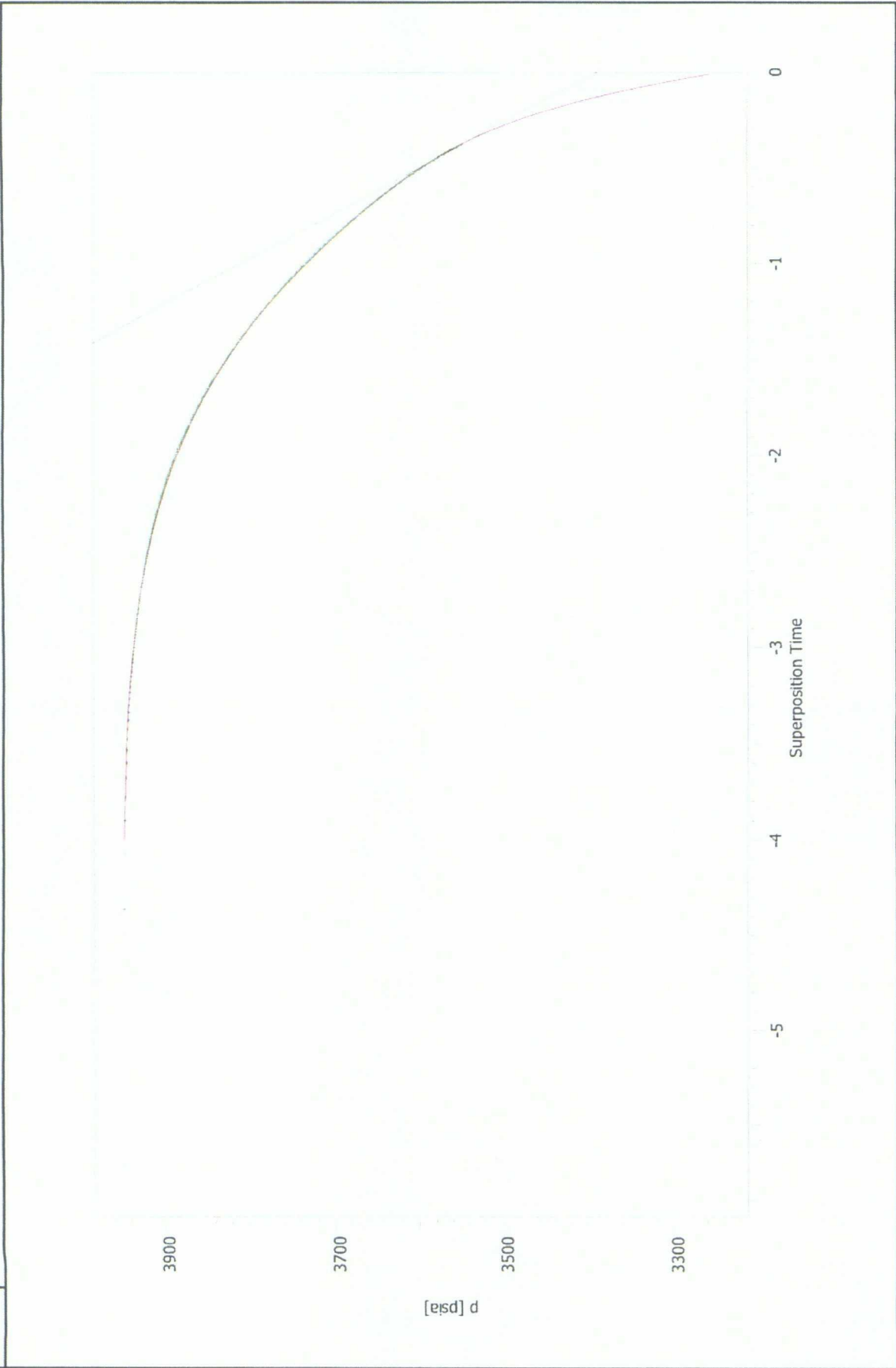
Robert E. Shafer Jr.
Pro Well Testing and Wireline

Disclaimer:

We do not accept any responsibility for any actions taken as a result of this interpretation. This is a best estimate of reservoir parameters and due to the short flow time of this well, conditions could change.

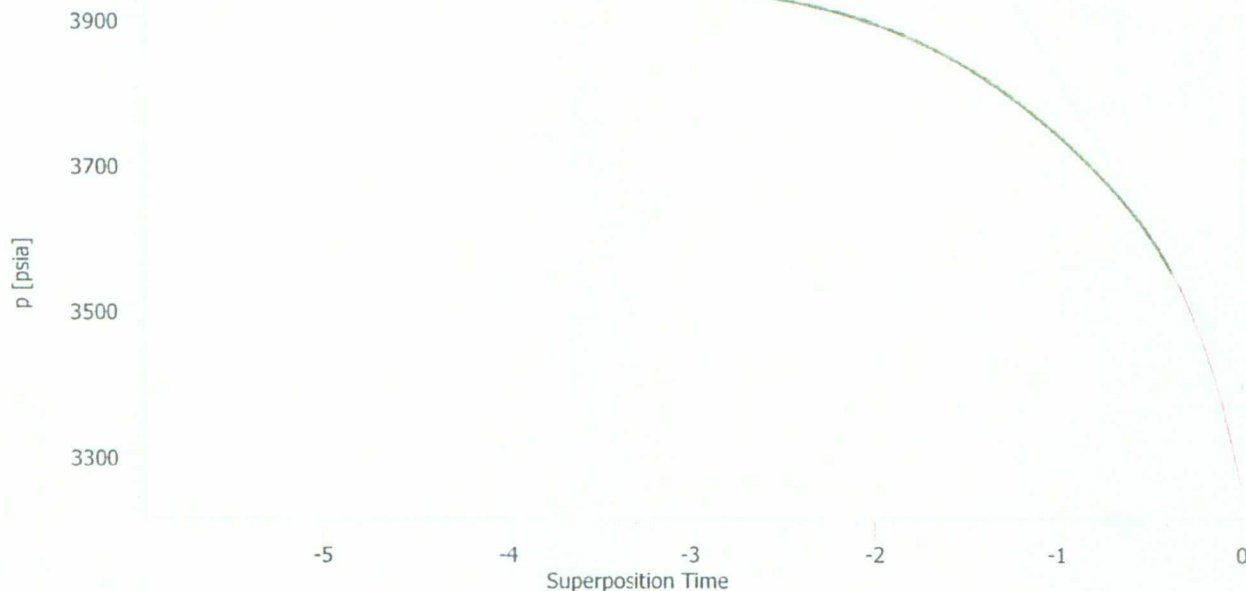
PROLOG & WIRELINE		Main results		Analysis 1		PROLOG & WIRELINE	
Company Everquest Energy		Well Sunco SWD Well #1		Field Test Name / #			
Test date / time							
Formation interval		4350-4450					
Perforated interval							
Gauge type / #							
Gauge depth							
Analyzed by							
Analysis date / time							
TEST TYPE		Standard					
Porosity Phi (%)		13					
Well Radius rw		0.33 ft					
Pay Zone h		110 ft					
Form. compr.		3E-6 psi-1					
Fluid type		Water					
Volume Factor B		1 B/STB					
Viscosity		1 cp					
Total Compr. ct		3E-6 psi-1					
Default values are used!							
Selected Model							
Model Option		Standard Model					
Well		Fracture - Finite conductivity					
Reservoir		Homogeneous					
Boundary		One fault					
Main Model Parameters							
TMatch		0.00805 [hr] ⁻¹					
PMatch		0.00173 [psia] ⁻¹					
C		0.768 bbl/psi					
Total Skin		-7.23					
k.h, total		1120 md.ft					
k, average		10.2 md					
Pi		3242.23 psia					
Model Parameters							
Well & Wellbore parameters (Sunco SWD Well #1)							
C		0.768 bbl/psi					
Skin		0					
Geometrical Skin		-7.23					
Xf		926 ft					
Fc		6.64E+6 md.ft					
Theta		90°					
Reservoir & Boundary parameters							
Pi		3242.23 psia					
k.h		1120 md.ft					
k		10.2 md					
L - No flow		755 ft					
Derived & Secondary Parameters							
Rinv		1250 ft					
Test. Vol.		12.5916 MMB					
Delta P (Total Skin)		-4178.8 psi					
Delta P Ratio (Total Skin)		-6.01213 Fraction					





Company Everquest Energy
Well Sunco SWD Well #1

Field
Test Name / #



Book1 fall-off #1

Rate 0 STB/D
Rate change 4600 STB/D
 $P@dt=0$ 3950.25 psia
 P_i 3242.23 psia
Smoothing 0.05

Default values are used!

Selected Model

Model Option Standard Model
Well Fracture - Finite conductivity
Reservoir Homogeneous
Boundary One fault

Main Model Parameters

TMatch 0.00805 [hr]⁻¹
PMatch 0.00173 [psia]⁻¹
C 0.768 bbl/psi
Total Skin -7.23
k.h, total 1120 md.ft
k, average 10.2 md
 P_i 3242.23 psia

Model Parameters

Well & Wellbore parameters (Sunco SWD Well #1)

C 0.768 bbl/psi
Skin 0
Geometrical Skin -7.23
 X_f 926 ft
 F_c 6.64E+6 md.ft
Theta 90 °

Reservoir & Boundary parameters

P_i 3242.23 psia
k.h 1120 md.ft
k 10.2 md
L - No flow 755 ft

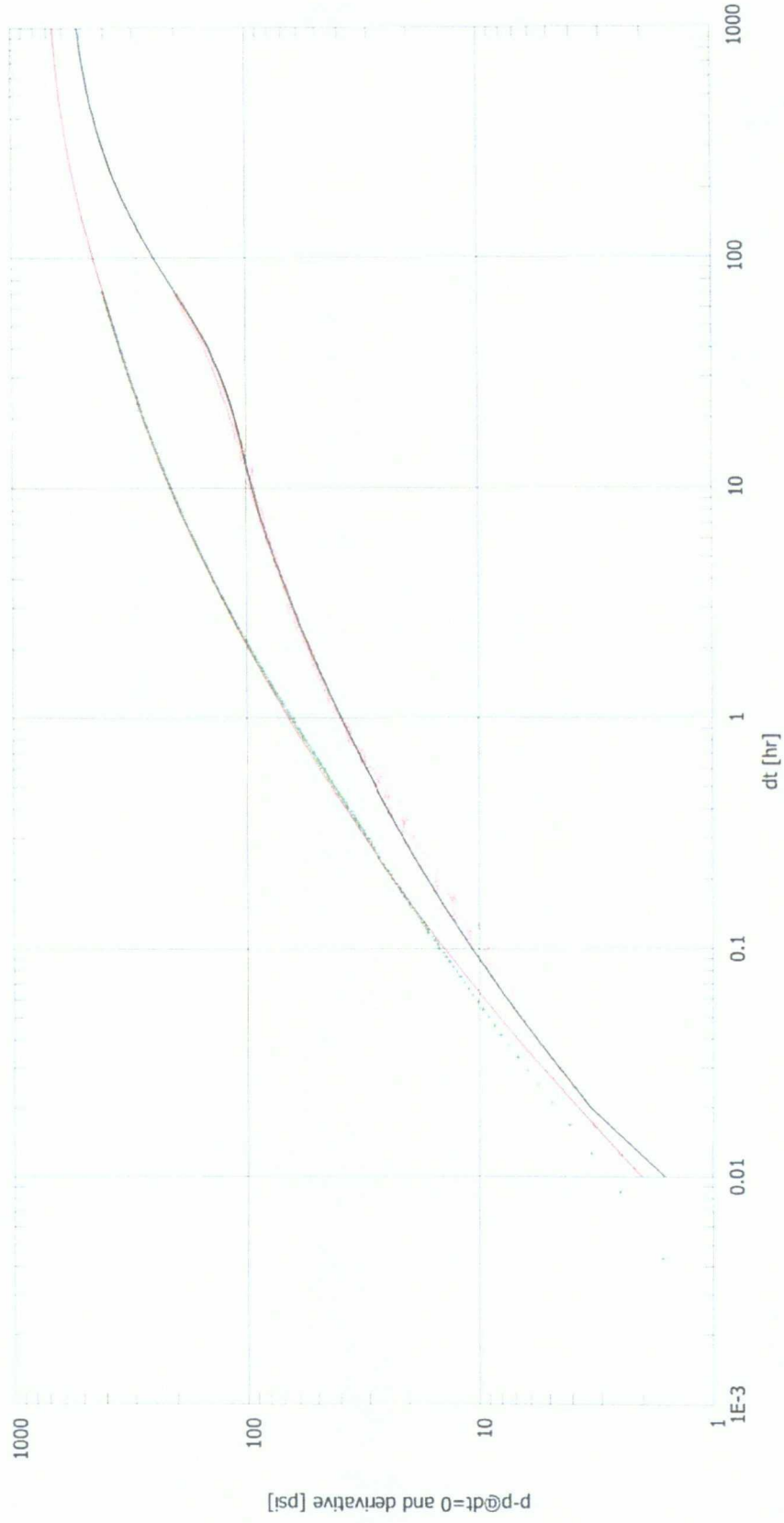
Derived & Secondary Parameters

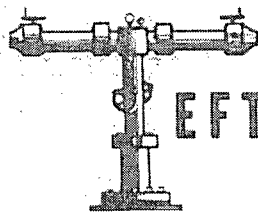
Delta P (Total Skin) -4178.8 psi
Delta P Ratio (Total Skin) -6.01213 Fraction

PRO WIRELINE	Semi-Log plot	Analysis 1	PRO WIRELINE
	Company Everquest Energy Well Sunco SWD Well #1	Field Test Name / #	

Semilog Line (Book1 fall-off #1)

From 155.817 hr
 To 164.217 hr
 Slope 421.879 psi
 Intercept 3387.79 psia
 P@1hr 4231.6 psia
 PMatch 0.00273 [psia]-1
 k.h 1770 md.ft
 k 16.1 md
 p* 3387.79 psia
 Skin -6.92
 Delta P Skin -2538.01 psi





ENV • SW • H • CO • GWT • SEE • GCR • F • TS

EFTELLER, INC.

reservoir engineering

P. O. Box 1198
Farmington, New Mexico 87499
(505) 325-1731
Fax (505) 325-1148

FARMINGTON, NEW MEXICO /
GRAND JUNCTION, COLORADO

2332 Interstate Ave.
Grand Junction, CO 81505
(970) 241-0403
Fax (970) 241-7634

KEY ENERGY SERVICES, LLC

SUNCO 'SWD' NO. 1

SEPTEMBER 22 - 25, 2009

Serving the Rocky Mountains and the Western Slope

Customer KEY ENERGY SERVICES, LLC
Street c/o EVERQUEST ENERGY CORP.; PO BOX 10079
City/State MIDLAND, TX 79702
Country USA
Service Company TEFTELLER, INC.

Well Name SUNCO 'SWD' NO. 1
Well Location SAN JUAN COUNTY, NM
Field / Pool MESA VERDE FORMATION
Status (Oil, Gas, Other) SALT WATER DISPOSAL

Test Type INJECTION & PRESSURE FALL-OFF TEST
Date of Test 9-22-09
Producing Interval 4350' - 4460'
Recorder Depth 4405'
Recorder Position 4405'
Shut In Date Start: 9-22-2009

Duration: 76 HRS. TANDEM ELEC. MEMORY INST. TIME
Stop: 9-24-2009
Bottom Hole Temperature 82 DEGREES @ 4405'

Gauge Identification

Gauge Manufacturer MICRO-SMART SYSTEMS
Serial Number 252
Model Number SP2000
Pressure Range
Battery Type
Calibration I.D.
Last Calibration 2/23/ 9

Gauge Setup Parameters

Probe Set Up Time 9/22/ 9 7: 6: 0
Time Delay to First Reading
Test Type Selection INJECTION & PRESSURE FALL-OFF TEST
Test Duration Selection 76 HRS. TANDEM ELEC. MEMORY INST. TIME

 *
 * EVENT SUMMARY *
 *

COMPANY : KEY ENERGY SERVICES, LLC

PAGE : B1

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Key Event	Pressure	Temp
MM/DD	hh:mm:ss	mmmmmm.mmmmm		Psig	Deg F
09/22	07:30:00	24.0000	PRESSURED UP LUBRICATOR	18.47	52.13
09/22	07:30:45	24.7500	R.I.H. W/TANDEM ELEC. MEMORY INST.	2245.39	52.22
09/22	07:57:00	51.0000	INST. @ 4405' KB - INJECTING WATER	3954.82	71.20
09/22	10:06:15	180.2500	INJECTION RATE 190-198 BW/HR.	3939.63	72.79
09/22	10:15:30	189.5000	SHUT WELL IN - BEGAN FALL-OFF	3925.80	73.13
09/25	10:02:00	4496.0000	TANDEM ELEC. MEMORY INST. OFF BOTTOM	3545.27	82.97
09/25	10:14:45	4508.7500	STOP @ 4000'	3366.72	108.73
09/25	10:28:00	4522.0000	STOP @ 3000'	2941.37	103.83
09/25	10:42:45	4536.7500	STOP @ 2000'	2505.51	90.26
09/25	10:56:45	4550.7500	STOP @ 1000'	2069.66	73.34
09/25	11:11:00	4565.0000	SURFACE STOP	1644.78	69.79

COMPANY: KEY ENERGY SERVICES, LLC

PAGE 1 OF 10

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date MM/DD	Time hh:mm:ss	Test Time mm:ss.ss	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
09/22	07:06:00	.0000	.01	63.76		
09/22	07:13:00	7.0000	.01	60.21	.00	
09/22	07:17:00	11.0000	.01	56.80	.00	
09/22	07:23:00	17.0000	.01	53.59	.00	
09/22	07:30:00	24.0000	18.47	52.13	18.46	PRESSURED UP LUBRICATOR
09/22	07:30:15	24.2500	42.21	52.16	23.74	
09/22	07:30:30	24.5000	162.15	52.19	119.94	
09/22	07:30:45	24.7500	2245.39	52.22	2083.25	R.I.H. W/TANDEM ELEC. MEMORY INST.
09/22	07:31:45	25.7500	2253.33	53.25	7.94	
09/22	07:32:00	26.0000	2272.94	53.64	19.61	
09/22	07:32:15	26.2500	2288.45	54.03	15.51	
09/22	07:32:30	26.5000	2298.02	54.42	9.57	
09/22	07:32:45	26.7500	2312.91	54.81	14.89	
09/22	07:33:00	27.0000	2328.17	55.20	15.26	
09/22	07:33:15	27.2500	2352.96	55.60	24.80	
09/22	07:33:30	27.5000	2382.84	55.99	29.88	
09/22	07:33:45	27.7500	2414.70	56.38	31.86	
09/22	07:34:00	28.0000	2444.20	56.78	29.49	
09/22	07:34:15	28.2500	2473.19	57.19	28.99	
09/22	07:34:30	28.5000	2507.05	57.52	33.87	
09/22	07:34:45	28.7500	2538.31	57.86	31.26	
09/22	07:35:00	29.0000	2568.94	58.20	30.63	
09/22	07:35:15	29.2500	2602.30	58.54	33.36	
09/22	07:35:30	29.5000	2634.30	58.87	32.00	
09/22	07:35:45	29.7500	2659.96	59.22	25.66	
09/22	07:36:00	30.0000	2686.98	59.56	27.03	
09/22	07:36:15	30.2500	2713.76	59.89	26.78	
09/22	07:36:30	30.5000	2741.90	60.23	28.14	
09/22	07:36:45	30.7500	2770.90	60.57	29.00	
09/22	07:37:00	31.0000	2794.69	60.91	23.79	
09/22	07:37:15	31.2500	2820.26	61.19	25.57	
09/22	07:37:30	31.5000	2846.62	61.40	26.36	
09/22	07:37:45	31.7500	2874.21	61.62	27.59	
09/22	07:38:00	32.0000	2903.28	61.84	29.07	
09/22	07:38:15	32.2500	2933.35	62.06	30.06	
09/22	07:38:30	32.5000	2964.16	62.27	30.81	
09/22	07:38:45	32.7500	2994.72	62.49	30.56	
09/22	07:39:00	33.0000	3017.84	62.71	23.12	
09/22	07:39:15	33.2500	3035.01	62.93	17.17	
09/22	07:39:30	33.5000	3058.39	63.14	23.37	
09/22	07:39:45	33.7500	3082.49	63.36	24.11	
09/22	07:40:00	34.0000	3106.97	63.58	24.48	
09/22	07:40:15	34.2500	3132.10	63.76	25.13	
09/22	07:40:30	34.5000	3157.63	63.91	25.52	
09/22	07:40:45	34.7500	3184.62	64.07	26.99	
09/22	07:41:00	35.0000	3211.37	64.24	26.75	
09/22	07:41:15	35.2500	3239.11	64.39	27.74	
09/22	07:41:30	35.5000	3266.61	64.56	27.49	
09/22	07:41:45	35.7500	3295.22	64.72	28.61	
09/22	07:42:00	36.0000	3326.30	64.89	31.08	
09/22	07:42:15	36.2500	3357.51	65.04	31.22	
09/22	07:42:30	36.5000	3384.75	65.21	27.24	
09/22	07:42:45	36.7500	3415.22	65.37	30.47	
09/22	07:43:00	37.0000	3446.67	65.53	31.46	
09/22	07:43:15	37.2500	3478.38	65.68	31.71	
09/22	07:43:30	37.5000	3508.98	65.83	30.60	
09/22	07:43:45	37.7500	3540.07	65.98	31.09	
09/22	07:44:00	38.0000	3572.03	66.13	31.96	
09/22	07:44:15	38.2500	3603.25	66.28	31.22	
09/22	07:44:30	38.5000	3630.75	66.43	27.50	
09/22	07:44:45	38.7500	3659.49	66.57	28.74	
09/22	07:45:00	39.0000	3688.48	66.72	28.98	
09/22	07:45:15	39.2500	3716.47	66.87	27.99	
09/22	07:45:30	39.5000	3742.85	67.02	26.38	
09/22	07:45:45	39.7500	3769.23	67.17	26.38	

COMPANY: KEY ENERGY SERVICES, LLC

PAGE 2 OF 10

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date MM/DD hh:mm:ss	Time mm:ss	Test Time mm:ss	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
09/22 07:46:00		40.0000	3796.23	67.32	27.00	
09/22 07:46:15		40.2500	3822.98	67.47	26.75	
09/22 07:46:30		40.5000	3849.12	67.61	26.14	
09/22 07:46:45		40.7500	3872.16	67.75	23.04	
09/22 07:47:00		41.0000	3892.36	67.88	20.20	
09/22 07:47:15		41.2500	3914.40	68.03	22.04	
09/22 07:47:30		41.5000	3928.03	68.17	13.63	
09/22 07:47:45		41.7500	3942.14	68.30	14.11	
09/22 07:57:00		51.0000	3954.82	71.20	12.68	INST. @ 4405' KB - INJECTING WATER
09/22 08:07:00		61.0000	3955.82	72.04	1.00	
09/22 08:17:00		71.0000	3956.16	72.35	.34	
09/22 08:27:00		81.0000	3956.46	72.47	.30	
09/22 08:37:00		91.0000	3956.45	72.56	-.00	
09/22 08:47:00		101.0000	3956.63	72.64	.18	
09/22 08:57:00		111.0000	3957.12	72.71	.49	
09/22 09:07:00		121.0000	3957.25	72.61	.13	
09/22 09:17:00		131.0000	3957.03	72.47	-.22	
09/22 09:27:00		141.0000	3957.03	72.39	-.00	
09/22 09:37:00		151.0000	3957.08	72.35	.06	
09/22 09:47:00		161.0000	3957.16	72.43	.07	
09/22 09:57:00		171.0000	3957.22	72.61	.06	
09/22 10:06:15		180.2500	3939.63	72.79	-17.59	INJECTION RATE 190-198 BW/HR.
09/22 10:15:30		189.5000	3925.80	73.13	-13.82	SHUT WELL IN - BEGAN FALL-OFF
09/22 10:24:45		198.7500	3915.59	73.90	-10.21	
09/22 10:34:00		208.0000	3907.02	74.43	-8.57	
09/22 10:43:15		217.2500	3899.44	74.75	-7.58	
09/22 10:52:30		226.5000	3892.60	74.88	-6.85	
09/22 11:02:00		236.0000	3886.22	74.92	-6.38	
09/22 11:12:00		246.0000	3879.79	74.97	-6.42	
09/22 11:22:00		256.0000	3873.99	75.04	-5.81	
09/22 11:32:00		266.0000	3868.54	75.10	-5.45	
09/22 11:42:00		276.0000	3863.38	75.19	-5.16	
09/22 11:52:00		286.0000	3858.47	75.28	-4.51	
09/22 12:02:00		296.0000	3853.97	75.39	-4.49	
09/22 12:12:00		306.0000	3849.61	75.48	-4.36	
09/22 12:22:00		316.0000	3845.49	75.53	-4.13	
09/22 12:32:00		326.0000	3841.47	75.59	-4.02	
09/22 12:42:00		336.0000	3837.76	75.66	-3.71	
09/22 12:52:00		346.0000	3834.08	75.75	-3.67	
09/22 13:02:00		356.0000	3830.61	75.83	-3.48	
09/22 13:12:00		366.0000	3827.19	75.91	-3.42	
09/22 13:22:00		376.0000	3823.80	76.00	-3.39	
09/22 13:32:00		386.0000	3820.63	76.08	-3.17	
09/22 13:42:00		396.0000	3817.81	76.17	-2.82	
09/22 13:52:00		406.0000	3814.79	76.23	-3.02	
09/22 14:02:00		416.0000	3811.79	76.31	-3.00	
09/22 14:12:00		426.0000	3809.19	76.39	-2.59	
09/22 14:22:00		436.0000	3806.41	76.47	-2.78	
09/22 14:32:00		446.0000	3803.97	76.54	-2.44	
09/22 14:42:00		456.0000	3801.10	76.59	-2.86	
09/22 14:52:00		466.0000	3798.59	76.66	-2.51	
09/22 15:02:00		476.0000	3796.46	76.72	-2.14	
09/22 15:12:00		486.0000	3794.05	76.79	-2.41	
09/22 15:22:00		496.0000	3791.72	76.85	-2.33	
09/22 15:32:00		506.0000	3789.40	76.91	-2.32	
09/22 15:42:00		516.0000	3787.18	76.96	-2.22	
09/22 15:52:00		526.0000	3785.04	77.03	-2.14	
09/22 16:02:00		536.0000	3782.86	77.08	-2.19	
09/22 16:12:00		546.0000	3780.81	77.14	-2.04	
09/22 16:22:00		556.0000	3778.72	77.21	-2.09	
09/22 16:32:00		566.0000	3776.75	77.28	-1.97	
09/22 16:42:00		576.0000	3774.77	77.34	-1.98	
09/22 16:52:00		586.0000	3772.78	77.41	-1.99	
09/22 17:02:00		596.0000	3770.96	77.48	-1.83	
09/22 17:12:00		606.0000	3769.04	77.53	-1.92	

COMPANY: KEY ENERGY SERVICES, LLC

PAGE 3 OF 10

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD hh:mm:ss		mm:ss	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
09/22 17:22:00		616.0000	3767.21	77.60	-1.82	
09/22 17:32:00		626.0000	3765.27	77.68	-1.94	
09/22 17:42:00		636.0000	3763.68	77.73	-1.59	
09/22 17:52:00		646.0000	3761.99	77.79	-1.69	
09/22 18:02:00		656.0000	3760.24	77.85	-1.75	
09/22 18:12:00		666.0000	3758.55	77.91	-1.69	
09/22 18:22:00		676.0000	3756.96	77.95	-1.55	
09/22 18:32:00		686.0000	3755.26	78.00	-1.70	
09/22 18:42:00		696.0000	3753.60	78.04	-1.66	
09/22 18:52:00		706.0000	3752.08	78.09	-1.52	
09/22 19:02:00		716.0000	3750.54	78.12	-1.54	
09/22 19:12:00		726.0000	3748.96	78.16	-1.58	
09/22 19:22:00		736.0000	3747.46	78.20	-1.50	
09/22 19:32:00		746.0000	3745.93	78.24	-1.53	
09/22 19:42:00		756.0000	3744.48	78.27	-1.45	
09/22 19:52:00		766.0000	3742.99	78.31	-1.49	
09/22 20:02:00		776.0000	3741.70	78.34	-1.29	
09/22 20:12:00		786.0000	3740.19	78.37	-1.51	
09/22 20:22:00		796.0000	3738.75	78.40	-1.43	
09/22 20:32:00		806.0000	3737.39	78.43	-1.36	
09/22 20:42:00		816.0000	3736.05	78.47	-1.34	
09/22 20:52:00		826.0000	3734.64	78.50	-1.42	
09/22 21:02:00		836.0000	3733.32	78.52	-1.31	
09/22 21:12:00		846.0000	3732.05	78.56	-1.27	
09/22 21:22:00		856.0000	3730.60	78.58	-1.45	
09/22 21:32:00		866.0000	3729.13	78.61	-1.47	
09/22 21:42:00		876.0000	3728.15	78.63	-.98	
09/22 21:52:00		886.0000	3727.44	78.66	-.71	
09/22 22:02:00		896.0000	3726.23	78.69	-1.21	
09/22 22:12:00		906.0000	3724.85	78.71	-1.38	
09/22 22:22:00		916.0000	3723.55	78.74	-1.30	
09/22 22:32:00		926.0000	3722.41	78.77	-1.15	
09/22 22:42:00		936.0000	3721.25	78.79	-1.16	
09/22 22:52:00		946.0000	3720.03	78.81	-1.22	
09/22 23:02:00		956.0000	3718.78	78.84	-1.25	
09/22 23:12:00		966.0000	3717.74	78.86	-1.04	
09/22 23:22:00		976.0000	3716.49	78.89	-1.26	
09/22 23:32:00		986.0000	3715.40	78.91	-1.09	
09/22 23:42:00		996.0000	3714.33	78.94	-1.07	
09/22 23:52:00		1006.0000	3713.25	78.95	-1.08	
09/23 00:02:00		1016.0000	3712.20	78.98	-1.05	
09/23 00:12:00		1026.0000	3711.15	79.00	-1.05	
09/23 00:22:00		1036.0000	3710.03	79.02	-1.12	
09/23 00:32:00		1046.0000	3709.11	79.05	-.92	
09/23 00:42:00		1056.0000	3708.01	79.06	-1.11	
09/23 00:52:00		1066.0000	3707.02	79.08	-.99	
09/23 01:02:00		1076.0000	3705.88	79.10	-1.15	
09/23 01:12:00		1086.0000	3705.00	79.11	-.87	
09/23 01:22:00		1096.0000	3703.90	79.13	-1.11	
09/23 01:32:00		1106.0000	3702.98	79.15	-.92	
09/23 01:42:00		1116.0000	3701.96	79.17	-1.01	
09/23 01:52:00		1126.0000	3700.99	79.19	-.97	
09/23 02:02:00		1136.0000	3700.06	79.20	-.93	
09/23 02:12:00		1146.0000	3699.07	79.22	-.99	
09/23 02:22:00		1156.0000	3698.15	79.24	-.93	
09/23 02:32:00		1166.0000	3697.21	79.26	-.93	
09/23 02:42:00		1176.0000	3696.29	79.26	-.93	
09/23 02:52:00		1186.0000	3695.39	79.29	-.90	
09/23 03:02:00		1196.0000	3694.48	79.29	-.91	
09/23 03:12:00		1206.0000	3693.55	79.31	-.93	
09/23 03:22:00		1216.0000	3692.66	79.33	-.89	
09/23 03:32:00		1226.0000	3691.68	79.35	-.98	
09/23 03:42:00		1236.0000	3690.88	79.37	-.80	
09/23 03:52:00		1246.0000	3690.00	79.38	-.87	
09/23 04:02:00		1256.0000	3689.13	79.40	-.88	

COMPANY: KEY ENERGY SERVICES, LLC

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WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmmmm.mmmmm	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
09/23	04:12:00	1266.0000	3688.31	79.43	-.82	
09/23	04:22:00	1276.0000	3687.46	79.45	-.85	
09/23	04:32:00	1286.0000	3686.53	79.47	-.93	
09/23	04:42:00	1296.0000	3685.78	79.48	-.76	
09/23	04:52:00	1306.0000	3684.94	79.49	-.84	
09/23	05:02:00	1316.0000	3684.05	79.52	-.89	
09/23	05:12:00	1326.0000	3683.27	79.54	-.79	
09/23	05:22:00	1336.0000	3682.50	79.56	-.77	
09/23	05:32:00	1346.0000	3681.67	79.58	-.83	
09/23	05:42:00	1356.0000	3680.83	79.61	-.84	
09/23	05:52:00	1366.0000	3680.06	79.61	-.77	
09/23	06:02:00	1376.0000	3679.23	79.64	-.83	
09/23	06:12:00	1386.0000	3678.49	79.65	-.74	
09/23	06:22:00	1396.0000	3677.69	79.68	-.80	
09/23	06:32:00	1406.0000	3676.96	79.68	-.74	
09/23	06:42:00	1416.0000	3676.12	79.70	-.84	
09/23	06:52:00	1426.0000	3675.37	79.72	-.74	
09/23	07:02:00	1436.0000	3674.63	79.74	-.75	
09/23	07:12:00	1446.0000	3673.88	79.76	-.74	
09/23	07:22:00	1456.0000	3673.10	79.78	-.78	
09/23	07:32:00	1466.0000	3672.43	79.79	-.67	
09/23	07:42:00	1476.0000	3671.69	79.81	-.74	
09/23	07:52:00	1486.0000	3670.93	79.82	-.77	
09/23	08:02:00	1496.0000	3670.18	79.84	-.75	
09/23	08:12:00	1506.0000	3669.51	79.86	-.67	
09/23	08:22:00	1516.0000	3668.75	79.88	-.77	
09/23	08:32:00	1526.0000	3668.04	79.89	-.70	
09/23	08:42:00	1536.0000	3667.37	79.91	-.67	
09/23	08:52:00	1546.0000	3666.67	79.93	-.70	
09/23	09:02:00	1556.0000	3665.98	79.95	-.70	
09/23	09:12:00	1566.0000	3665.29	79.97	-.69	
09/23	09:22:00	1576.0000	3664.62	79.97	-.68	
09/23	09:32:00	1586.0000	3663.90	79.98	-.71	
09/23	09:42:00	1596.0000	3663.19	80.00	-.72	
09/23	09:52:00	1606.0000	3662.51	80.02	-.67	
09/23	10:02:00	1616.0000	3661.86	80.04	-.65	
09/23	10:12:00	1626.0000	3661.17	80.05	-.70	
09/23	10:22:00	1636.0000	3660.51	80.07	-.66	
09/23	10:32:00	1646.0000	3659.83	80.09	-.68	
09/23	10:42:00	1656.0000	3659.18	80.11	-.65	
09/23	10:52:00	1666.0000	3658.48	80.14	-.70	
09/23	11:02:00	1676.0000	3657.83	80.15	-.66	
09/23	11:12:00	1686.0000	3657.20	80.18	-.63	
09/23	11:22:00	1696.0000	3656.53	80.20	-.67	
09/23	11:32:00	1706.0000	3655.88	80.21	-.65	
09/23	11:42:00	1716.0000	3655.25	80.24	-.64	
09/23	11:52:00	1726.0000	3654.63	80.26	-.62	
09/23	12:02:00	1736.0000	3653.98	80.27	-.65	
09/23	12:12:00	1746.0000	3653.39	80.29	-.59	
09/23	12:22:00	1756.0000	3652.74	80.31	-.65	
09/23	12:32:00	1766.0000	3652.06	80.32	-.58	
09/23	12:42:00	1776.0000	3651.47	80.34	-.58	
09/23	12:52:00	1786.0000	3650.87	80.36	-.60	
09/23	13:02:00	1796.0000	3650.22	80.38	-.65	
09/23	13:12:00	1806.0000	3649.61	80.38	-.61	
09/23	13:22:00	1816.0000	3649.03	80.40	-.58	
09/23	13:32:00	1826.0000	3648.41	80.43	-.61	
09/23	13:42:00	1836.0000	3647.82	80.43	-.59	
09/23	13:52:00	1846.0000	3647.23	80.45	-.59	
09/23	14:02:00	1856.0000	3646.60	80.47	-.63	
09/23	14:12:00	1866.0000	3646.03	80.49	-.57	
09/23	14:22:00	1876.0000	3645.52	80.50	-.52	
09/23	14:32:00	1886.0000	3644.88	80.52	-.64	
09/23	14:42:00	1896.0000	3644.28	80.52	-.60	
09/23	14:52:00	1906.0000	3643.73	80.54	-.55	

COMPANY: KEY ENERGY SERVICES, LLC

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WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date MM/DD	Time hh:mm:ss	Test Time mm:ss	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
09/23	15:02:00	1916.0000	3643.13	80.55	-.60	
09/23	15:12:00	1926.0000	3642.63	80.56	-.50	
09/23	15:22:00	1936.0000	3642.02	80.58	-.61	
09/23	15:32:00	1946.0000	3641.50	80.60	-.51	
09/23	15:42:00	1956.0000	3640.89	80.61	-.61	
09/23	15:52:00	1966.0000	3640.35	80.61	-.54	
09/23	16:02:00	1976.0000	3639.79	80.63	-.56	
09/23	16:12:00	1986.0000	3639.18	80.65	-.61	
09/23	16:22:00	1996.0000	3638.65	80.66	-.53	
09/23	16:32:00	2006.0000	3638.10	80.68	-.54	
09/23	16:42:00	2016.0000	3637.54	80.70	-.56	
09/23	16:52:00	2026.0000	3637.03	80.70	-.51	
09/23	17:02:00	2036.0000	3636.47	80.72	-.56	
09/23	17:12:00	2046.0000	3635.96	80.73	-.51	
09/23	17:22:00	2056.0000	3635.42	80.75	-.54	
09/23	17:32:00	2066.0000	3634.85	80.75	-.57	
09/23	17:42:00	2076.0000	3634.29	80.77	-.55	
09/23	17:52:00	2086.0000	3633.79	80.79	-.51	
09/23	18:02:00	2096.0000	3633.26	80.79	-.52	
09/23	18:12:00	2106.0000	3632.74	80.81	-.53	
09/23	18:22:00	2116.0000	3632.27	80.82	-.47	
09/23	18:32:00	2126.0000	3631.72	80.83	-.55	
09/23	18:42:00	2136.0000	3631.22	80.83	-.50	
09/23	18:52:00	2146.0000	3630.65	80.85	-.57	
09/23	19:02:00	2156.0000	3630.16	80.86	-.49	
09/23	19:12:00	2166.0000	3629.63	80.86	-.53	
09/23	19:22:00	2176.0000	3629.14	80.88	-.49	
09/23	19:32:00	2186.0000	3628.64	80.89	-.50	
09/23	19:42:00	2196.0000	3628.14	80.90	-.50	
09/23	19:52:00	2206.0000	3627.68	80.91	-.46	
09/23	20:02:00	2216.0000	3627.15	80.92	-.52	
09/23	20:12:00	2226.0000	3626.67	80.93	-.49	
09/23	20:22:00	2236.0000	3626.16	80.94	-.50	
09/23	20:32:00	2246.0000	3625.66	80.95	-.50	
09/23	20:42:00	2256.0000	3625.17	80.96	-.49	
09/23	20:52:00	2266.0000	3624.69	80.96	-.48	
09/23	21:02:00	2276.0000	3624.23	80.98	-.46	
09/23	21:12:00	2286.0000	3623.76	81.00	-.48	
09/23	21:22:00	2296.0000	3623.21	81.00	-.54	
09/23	21:32:00	2306.0000	3622.71	81.02	-.50	
09/23	21:42:00	2316.0000	3622.29	81.02	-.43	
09/23	21:52:00	2326.0000	3621.81	81.02	-.47	
09/23	22:02:00	2336.0000	3621.29	81.04	-.52	
09/23	22:12:00	2346.0000	3620.82	81.05	-.47	
09/23	22:22:00	2356.0000	3620.35	81.05	-.47	
09/23	22:32:00	2366.0000	3619.88	81.06	-.47	
09/23	22:42:00	2376.0000	3619.38	81.07	-.50	
09/23	22:52:00	2386.0000	3618.97	81.09	-.41	
09/23	23:02:00	2396.0000	3618.48	81.10	-.49	
09/23	23:12:00	2406.0000	3618.04	81.10	-.44	
09/23	23:22:00	2416.0000	3617.56	81.11	-.47	
09/23	23:32:00	2426.0000	3617.07	81.13	-.50	
09/23	23:42:00	2436.0000	3616.62	81.13	-.45	
09/23	23:52:00	2446.0000	3616.17	81.13	-.45	
09/24	00:02:00	2456.0000	3615.72	81.15	-.45	
09/24	00:12:00	2466.0000	3615.28	81.16	-.44	
09/24	00:22:00	2476.0000	3614.83	81.16	-.45	
09/24	00:32:00	2486.0000	3614.38	81.18	-.45	
09/24	00:42:00	2496.0000	3613.95	81.18	-.43	
09/24	00:52:00	2506.0000	3613.48	81.19	-.47	
09/24	01:02:00	2516.0000	3613.02	81.20	-.46	
09/24	01:12:00	2526.0000	3612.57	81.20	-.45	
09/24	01:22:00	2536.0000	3612.16	81.22	-.41	
09/24	01:32:00	2546.0000	3611.68	81.23	-.47	
09/24	01:42:00	2556.0000	3611.30	81.23	-.39	

COMPANY: KEY ENERGY SERVICES, LLC

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WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD hh:mm:ss	mmmmmm.mmmmm	Psig	Deg F	Psi		Ga. Press Ref. to 14.7 Psi Atm.
09/24	01:52:00	2566.0000	3610.89	81.23	-.41	
09/24	02:02:00	2576.0000	3610.40	81.25	-.49	
09/24	02:12:00	2586.0000	3609.96	81.24	-.43	
09/24	02:22:00	2596.0000	3609.57	81.26	-.40	
09/24	02:32:00	2606.0000	3609.08	81.27	-.48	
09/24	02:42:00	2616.0000	3608.69	81.27	-.40	
09/24	02:52:00	2626.0000	3608.23	81.28	-.45	
09/24	03:02:00	2636.0000	3607.85	81.28	-.39	
09/24	03:12:00	2646.0000	3607.42	81.28	-.43	
09/24	03:22:00	2656.0000	3606.98	81.29	-.44	
09/24	03:32:00	2666.0000	3606.60	81.29	-.38	
09/24	03:42:00	2676.0000	3606.17	81.32	-.43	
09/24	03:52:00	2686.0000	3605.73	81.32	-.44	
09/24	04:02:00	2696.0000	3605.31	81.33	-.42	
09/24	04:12:00	2706.0000	3604.89	81.34	-.42	
09/24	04:22:00	2716.0000	3604.49	81.34	-.40	
09/24	04:32:00	2726.0000	3604.05	81.35	-.44	
09/24	04:42:00	2736.0000	3603.64	81.36	-.42	
09/24	04:52:00	2746.0000	3603.25	81.36	-.39	
09/24	05:02:00	2756.0000	3602.81	81.36	-.44	
09/24	05:12:00	2766.0000	3602.42	81.38	-.39	
09/24	05:22:00	2776.0000	3602.01	81.38	-.41	
09/24	05:32:00	2786.0000	3601.64	81.39	-.37	
09/24	05:42:00	2796.0000	3601.17	81.40	-.47	
09/24	05:52:00	2806.0000	3600.84	81.41	-.33	
09/24	06:02:00	2816.0000	3600.41	81.41	-.44	
09/24	06:12:00	2826.0000	3600.03	81.42	-.37	
09/24	06:22:00	2836.0000	3599.66	81.43	-.37	
09/24	06:32:00	2846.0000	3599.23	81.44	-.43	
09/24	06:42:00	2856.0000	3598.85	81.44	-.38	
09/24	06:52:00	2866.0000	3598.42	81.45	-.44	
09/24	07:02:00	2876.0000	3598.13	81.45	-.28	
09/24	07:12:00	2886.0000	3597.71	81.45	-.43	
09/24	07:22:00	2896.0000	3597.24	81.47	-.46	
09/24	07:32:00	2906.0000	3596.86	81.48	-.38	
09/24	07:42:00	2916.0000	3596.55	81.48	-.32	
09/24	07:52:00	2926.0000	3596.17	81.48	-.38	
09/24	08:02:00	2936.0000	3595.76	81.50	-.40	
09/24	08:12:00	2946.0000	3595.39	81.51	-.38	
09/24	08:22:00	2956.0000	3595.02	81.51	-.36	
09/24	08:32:00	2966.0000	3594.63	81.52	-.39	
09/24	08:42:00	2976.0000	3594.24	81.52	-.39	
09/24	08:52:00	2986.0000	3593.84	81.53	-.39	
09/24	09:02:00	2996.0000	3593.46	81.54	-.39	
09/24	09:12:00	3006.0000	3593.12	81.54	-.34	
09/24	09:22:00	3016.0000	3592.70	81.55	-.42	
09/24	09:32:00	3026.0000	3592.31	81.55	-.39	
09/24	09:42:00	3036.0000	3591.99	81.57	-.32	
09/24	09:52:00	3046.0000	3591.59	81.57	-.41	
09/24	10:02:00	3056.0000	3591.23	81.58	-.36	
09/24	10:12:00	3066.0000	3590.86	81.58	-.37	
09/24	10:22:00	3076.0000	3590.48	81.59	-.38	
09/24	10:32:00	3086.0000	3590.16	81.60	-.32	
09/24	10:42:00	3096.0000	3589.79	81.61	-.36	
09/24	10:52:00	3106.0000	3589.38	81.61	-.41	
09/24	11:02:00	3116.0000	3589.04	81.62	-.34	
09/24	11:12:00	3126.0000	3588.64	81.61	-.40	
09/24	11:22:00	3136.0000	3588.23	81.63	-.41	
09/24	11:32:00	3146.0000	3587.92	81.63	-.31	
09/24	11:42:00	3156.0000	3587.52	81.64	-.40	
09/24	11:52:00	3166.0000	3587.18	81.64	-.34	
09/24	12:02:00	3176.0000	3586.86	81.65	-.31	
09/24	12:12:00	3186.0000	3586.40	81.66	-.46	
09/24	12:22:00	3196.0000	3586.13	81.67	-.27	
09/24	12:32:00	3206.0000	3585.73	81.66	-.40	

COMPANY: KEY ENERGY SERVICES, LLC

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WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mm:ss.ss	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
09/24	12:42:00	3216.0000	3585.38	81.68	-.36	
09/24	12:52:00	3226.0000	3584.97	81.68	-.41	
09/24	13:02:00	3236.0000	3584.62	81.69	-.35	
09/24	13:12:00	3246.0000	3584.28	81.70	-.33	
09/24	13:22:00	3256.0000	3583.93	81.71	-.35	
09/24	13:32:00	3266.0000	3583.61	81.71	-.32	
09/24	13:42:00	3276.0000	3583.21	81.71	-.40	
09/24	13:52:00	3286.0000	3582.86	81.71	-.36	
09/24	14:02:00	3296.0000	3582.51	81.73	-.35	
09/24	14:12:00	3306.0000	3582.16	81.74	-.34	
09/24	14:22:00	3316.0000	3581.81	81.75	-.36	
09/24	14:32:00	3326.0000	3581.46	81.75	-.35	
09/24	14:42:00	3336.0000	3581.07	81.75	-.39	
09/24	14:52:00	3346.0000	3580.75	81.76	-.33	
09/24	15:02:00	3356.0000	3580.45	81.76	-.29	
09/24	15:12:00	3366.0000	3580.02	81.78	-.43	
09/24	15:22:00	3376.0000	3579.73	81.78	-.29	
09/24	15:32:00	3386.0000	3579.37	81.78	-.36	
09/24	15:42:00	3396.0000	3579.05	81.79	-.32	
09/24	15:52:00	3406.0000	3578.63	81.79	-.43	
09/24	16:02:00	3416.0000	3578.31	81.79	-.31	
09/24	16:12:00	3426.0000	3577.96	81.81	-.35	
09/24	16:22:00	3436.0000	3577.62	81.81	-.34	
09/24	16:32:00	3446.0000	3577.30	81.82	-.32	
09/24	16:42:00	3456.0000	3576.95	81.82	-.35	
09/24	16:52:00	3466.0000	3576.61	81.83	-.34	
09/24	17:02:00	3476.0000	3576.30	81.83	-.31	
09/24	17:12:00	3486.0000	3575.92	81.84	-.38	
09/24	17:22:00	3496.0000	3575.61	81.84	-.31	
09/24	17:32:00	3506.0000	3575.28	81.84	-.33	
09/24	17:42:00	3516.0000	3574.94	81.85	-.34	
09/24	17:52:00	3526.0000	3574.59	81.86	-.34	
09/24	18:02:00	3536.0000	3574.30	81.86	-.30	
09/24	18:12:00	3546.0000	3573.94	81.87	-.36	
09/24	18:22:00	3556.0000	3573.59	81.87	-.35	
09/24	18:32:00	3566.0000	3573.24	81.87	-.35	
09/24	18:42:00	3576.0000	3572.95	81.89	-.29	
09/24	18:52:00	3586.0000	3572.59	81.88	-.35	
09/24	19:02:00	3596.0000	3572.27	81.89	-.32	
09/24	19:12:00	3606.0000	3571.92	81.89	-.36	
09/24	19:22:00	3616.0000	3571.58	81.91	-.34	
09/24	19:32:00	3626.0000	3571.29	81.91	-.29	
09/24	19:42:00	3636.0000	3570.96	81.91	-.33	
09/24	19:52:00	3646.0000	3570.61	81.92	-.34	
09/24	20:02:00	3656.0000	3570.30	81.92	-.31	
09/24	20:12:00	3666.0000	3569.97	81.93	-.33	
09/24	20:22:00	3676.0000	3569.66	81.93	-.31	
09/24	20:32:00	3686.0000	3569.33	81.95	-.33	
09/24	20:42:00	3696.0000	3569.03	81.95	-.30	
09/24	20:52:00	3706.0000	3568.61	81.96	-.42	
09/24	21:02:00	3716.0000	3568.32	81.96	-.29	
09/24	21:12:00	3726.0000	3567.99	81.97	-.33	
09/24	21:22:00	3736.0000	3567.72	81.97	-.28	
09/24	21:32:00	3746.0000	3567.37	81.98	-.35	
09/24	21:42:00	3756.0000	3567.06	81.98	-.30	
09/24	21:52:00	3766.0000	3566.70	81.99	-.36	
09/24	22:02:00	3776.0000	3566.38	81.99	-.33	
09/24	22:12:00	3786.0000	3566.10	82.00	-.28	
09/24	22:22:00	3796.0000	3565.79	82.00	-.31	
09/24	22:32:00	3806.0000	3565.50	82.01	-.29	
09/24	22:42:00	3816.0000	3565.19	82.01	-.31	
09/24	22:52:00	3826.0000	3564.87	82.01	-.32	
09/24	23:02:00	3836.0000	3564.56	82.03	-.32	
09/24	23:12:00	3846.0000	3564.32	82.03	-.23	
09/24	23:22:00	3856.0000	3563.98	82.03	-.35	

COMPANY: KEY ENERGY SERVICES, LLC

PAGE 8 OF 10

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmmmm.mmmmm	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
09/24	23:32:00	3866.0000	3563.66	82.04	-.31	
09/24	23:42:00	3876.0000	3563.31	82.05	-.35	
09/24	23:52:00	3886.0000	3563.04	82.04	-.27	
09/25	00:02:00	3896.0000	3562.72	82.05	-.33	
09/25	00:12:00	3906.0000	3562.42	82.07	-.30	
09/25	00:22:00	3916.0000	3562.08	82.07	-.33	
09/25	00:32:00	3926.0000	3561.81	82.07	-.28	
09/25	00:42:00	3936.0000	3561.52	82.08	-.23	
09/25	00:52:00	3946.0000	3561.19	82.09	-.33	
09/25	01:02:00	3956.0000	3560.89	82.09	-.30	
09/25	01:12:00	3966.0000	3560.60	82.10	-.28	
09/25	01:22:00	3976.0000	3560.28	82.10	-.32	
09/25	01:32:00	3986.0000	3559.96	82.11	-.33	
09/25	01:42:00	3996.0000	3559.69	82.11	-.27	
09/25	01:52:00	4006.0000	3559.40	82.12	-.28	
09/25	02:02:00	4016.0000	3559.11	82.12	-.29	
09/25	02:12:00	4026.0000	3558.81	82.13	-.30	
09/25	02:22:00	4036.0000	3558.51	82.13	-.30	
09/25	02:32:00	4046.0000	3558.26	82.14	-.25	
09/25	02:42:00	4056.0000	3557.94	82.14	-.32	
09/25	02:52:00	4066.0000	3557.64	82.15	-.30	
09/25	03:02:00	4076.0000	3557.34	82.15	-.30	
09/25	03:12:00	4086.0000	3557.08	82.15	-.26	
09/25	03:22:00	4096.0000	3556.76	82.16	-.32	
09/25	03:32:00	4106.0000	3556.54	82.16	-.22	
09/25	03:42:00	4116.0000	3556.18	82.18	-.37	
09/25	03:52:00	4126.0000	3555.92	82.17	-.26	
09/25	04:02:00	4136.0000	3555.58	82.18	-.34	
09/25	04:12:00	4146.0000	3555.35	82.18	-.23	
09/25	04:22:00	4156.0000	3555.03	82.20	-.32	
09/25	04:32:00	4166.0000	3554.76	82.21	-.27	
09/25	04:42:00	4176.0000	3554.50	82.21	-.26	
09/25	04:52:00	4186.0000	3554.20	82.21	-.30	
09/25	05:02:00	4196.0000	3553.94	82.21	-.26	
09/25	05:12:00	4206.0000	3553.68	82.21	-.25	
09/25	05:22:00	4216.0000	3553.39	82.23	-.29	
09/25	05:32:00	4226.0000	3553.10	82.23	-.29	
09/25	05:42:00	4236.0000	3552.83	82.24	-.27	
09/25	05:52:00	4246.0000	3552.53	82.25	-.30	
09/25	06:02:00	4256.0000	3552.20	82.25	-.33	
09/25	06:12:00	4266.0000	3551.94	82.25	-.26	
09/25	06:22:00	4276.0000	3551.72	82.26	-.23	
09/25	06:32:00	4286.0000	3551.44	82.27	-.28	
09/25	06:42:00	4296.0000	3551.14	82.27	-.30	
09/25	06:52:00	4306.0000	3550.86	82.28	-.28	
09/25	07:02:00	4316.0000	3550.59	82.28	-.27	
09/25	07:12:00	4326.0000	3550.36	82.29	-.23	
09/25	07:22:00	4336.0000	3550.06	82.29	-.30	
09/25	07:32:00	4346.0000	3549.80	82.30	-.26	
09/25	07:42:00	4356.0000	3549.52	82.30	-.28	
09/25	07:52:00	4366.0000	3549.28	82.31	-.25	
09/25	08:02:00	4376.0000	3549.01	82.31	-.26	
09/25	08:12:00	4386.0000	3548.72	82.31	-.29	
09/25	08:22:00	4396.0000	3548.42	82.32	-.31	
09/25	08:32:00	4406.0000	3548.21	82.33	-.21	
09/25	08:42:00	4416.0000	3547.91	82.34	-.31	
09/25	08:52:00	4426.0000	3547.59	82.35	-.32	
09/25	09:02:00	4436.0000	3547.35	82.35	-.24	
09/25	09:12:00	4446.0000	3547.07	82.36	-.28	
09/25	09:22:00	4456.0000	3546.81	82.37	-.26	
09/25	09:32:00	4466.0000	3546.50	82.38	-.31	
09/25	09:42:00	4476.0000	3546.30	82.38	-.20	
09/25	09:52:00	4486.0000	3546.05	82.38	-.25	
09/25	10:02:00	4496.0000	3545.27	82.97	-.78	
09/25	10:03:00	4497.0000	3490.35	83.26	-54.93	

TANDEM ELEC. MEMORY INST. OFF BOTTOM

COMPANY: KEY ENERGY SERVICES, LLC

PAGE 9 OF 10

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mm:ss.ss	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
09/25	10:03:15	4497.2500	3472.08	84.30	-18.27	
09/25	10:03:30	4497.5000	3452.78	85.24	-19.29	
09/25	10:03:45	4497.7500	3433.26	86.18	-19.53	
09/25	10:04:00	4498.0000	3412.99	87.13	-20.26	
09/25	10:04:15	4498.2500	3392.26	88.07	-20.74	
09/25	10:04:30	4498.5000	3372.14	89.02	-20.12	
09/25	10:05:30	4499.5000	3365.48	92.81	-6.66	
09/25	10:06:30	4500.5000	3362.74	96.07	-2.74	
09/25	10:08:00	4502.0000	3363.47	99.60	.73	
09/25	10:09:30	4503.5000	3364.75	102.75	1.28	
09/25	10:11:45	4505.7500	3367.28	105.89	2.53	
09/25	10:14:45	4508.7500	3366.72	108.73	-.56	STOP @ 4000'
09/25	10:15:00	4509.0000	3347.43	108.96	-19.30	
09/25	10:15:15	4509.2500	3326.46	109.14	-20.97	
09/25	10:15:30	4509.5000	3305.29	109.11	-21.17	
09/25	10:15:45	4509.7500	3283.88	109.08	-21.41	
09/25	10:16:00	4510.0000	3261.97	109.05	-21.90	
09/25	10:16:15	4510.2500	3239.46	109.02	-22.51	
09/25	10:16:30	4510.5000	3217.07	108.99	-22.39	
09/25	10:16:45	4510.7500	3194.55	108.97	-22.52	
09/25	10:17:00	4511.0000	3171.42	108.94	-23.12	
09/25	10:17:15	4511.2500	3148.05	108.91	-23.37	
09/25	10:17:30	4511.5000	3124.44	108.88	-23.61	
09/25	10:17:45	4511.7500	3100.83	108.85	-23.61	
09/25	10:18:00	4512.0000	3077.09	108.82	-23.73	
09/25	10:18:15	4512.2500	3053.04	108.73	-24.06	
09/25	10:18:30	4512.5000	3028.92	108.55	-24.12	
09/25	10:18:45	4512.7500	3004.43	108.38	-24.49	
09/25	10:19:00	4513.0000	2979.94	108.21	-24.49	
09/25	10:19:15	4513.2500	2956.19	108.03	-23.75	
09/25	10:24:15	4518.2500	2942.14	105.01	-14.05	
09/25	10:28:00	4522.0000	2941.37	103.83	-.77	STOP @ 3000'
09/25	10:29:00	4523.0000	2921.24	103.62	-20.13	
09/25	10:29:15	4523.2500	2902.04	103.56	-19.20	
09/25	10:29:30	4523.5000	2883.05	103.36	-18.99	
09/25	10:29:45	4523.7500	2863.70	103.16	-19.35	
09/25	10:30:00	4524.0000	2844.10	102.96	-19.60	
09/25	10:30:15	4524.2500	2824.25	102.76	-19.85	
09/25	10:30:30	4524.5000	2803.67	102.56	-20.58	
09/25	10:30:45	4524.7500	2782.35	102.36	-21.32	
09/25	10:31:00	4525.0000	2759.93	102.16	-22.42	
09/25	10:31:15	4525.2500	2734.80	101.97	-25.13	
09/25	10:31:30	4525.5000	2709.92	101.77	-24.88	
09/25	10:31:45	4525.7500	2684.68	101.57	-25.25	
09/25	10:32:00	4526.0000	2658.94	101.37	-25.74	
09/25	10:32:15	4526.2500	2632.67	101.03	-26.27	
09/25	10:32:30	4526.5000	2606.93	100.63	-25.74	
09/25	10:32:45	4526.7500	2580.56	100.24	-26.37	
09/25	10:33:00	4527.0000	2554.07	99.85	-26.49	
09/25	10:33:15	4527.2500	2528.68	99.46	-25.39	
09/25	10:35:15	4529.2500	2509.86	96.37	-18.82	
09/25	10:38:15	4532.2500	2509.18	93.21	-.69	
09/25	10:42:45	4536.7500	2505.51	90.26	-3.66	STOP @ 2000'
09/25	10:43:00	4537.0000	2485.34	90.09	-20.18	
09/25	10:43:15	4537.2500	2461.72	89.92	-23.62	
09/25	10:43:30	4537.5000	2438.10	89.75	-23.62	
09/25	10:43:45	4537.7500	2414.11	89.58	-23.99	
09/25	10:44:00	4538.0000	2389.51	89.41	-24.60	
09/25	10:44:15	4538.2500	2364.01	89.08	-25.50	
09/25	10:44:30	4538.5000	2338.46	88.63	-25.56	
09/25	10:44:45	4538.7500	2312.16	88.18	-26.30	
09/25	10:45:00	4539.0000	2285.48	87.73	-26.67	
09/25	10:45:15	4539.2500	2258.07	87.28	-27.42	
09/25	10:45:30	4539.5000	2230.77	86.83	-27.30	
09/25	10:45:45	4539.7500	2203.60	86.37	-27.17	

COMPANY: KEY ENERGY SERVICES, LLC

PAGE 10 OF 10

WELL NAME : SUNCO 'SWD' NO. 1

DATE : 09/29/09

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F252925.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mm:ss	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
09/25	10:46:00	4540.0000	2175.55	85.93	-28.05	
09/25	10:46:15	4540.2500	2147.50	85.47	-28.04	
09/25	10:46:30	4540.5000	2118.96	85.02	-28.55	
09/25	10:46:45	4540.7500	2093.73	84.57	-25.23	
09/25	10:47:00	4541.0000	2076.73	84.12	-17.00	
09/25	10:47:15	4541.2500	2073.92	83.59	-2.81	
09/25	10:49:15	4543.2500	2074.56	80.23	.64	
09/25	10:51:45	4545.7500	2073.37	77.10	-1.19	
09/25	10:55:45	4549.7500	2071.85	74.00	-1.52	
09/25	10:56:45	4550.7500	2069.66	73.34	-2.20	STOP @ 1000'
09/25	10:57:00	4551.0000	2051.86	73.16	-17.79	
09/25	10:57:15	4551.2500	2029.64	72.97	-22.23	
09/25	10:57:30	4551.5000	2006.79	72.79	-22.85	
09/25	10:57:45	4551.7500	1983.82	72.60	-22.97	
09/25	10:58:00	4552.0000	1960.10	72.42	-23.71	
09/25	10:58:15	4552.2500	1935.89	72.23	-24.21	
09/25	10:58:30	4552.5000	1911.56	72.04	-24.33	
09/25	10:58:45	4552.7500	1887.10	71.86	-24.46	
09/25	10:59:00	4553.0000	1861.41	71.67	-25.69	
09/25	10:59:15	4553.2500	1835.76	71.40	-25.65	
09/25	10:59:30	4553.5000	1809.47	71.15	-26.28	
09/25	10:59:45	4553.7500	1783.44	70.89	-26.04	
09/25	11:00:00	4554.0000	1759.99	70.63	-23.45	
09/25	11:00:15	4554.2500	1738.89	70.37	-21.11	
09/25	11:00:30	4554.5000	1719.13	70.12	-19.75	
09/25	11:00:45	4554.7500	1699.01	69.86	-20.12	
09/25	11:01:00	4555.0000	1679.75	69.60	-19.26	
09/25	11:01:15	4555.2500	1663.70	69.34	-16.05	
09/25	11:11:00	4565.0000	1644.78	69.79	-18.92	SURFACE STOP
09/25	11:12:45	4566.7500	1646.27	70.35	1.49	
09/25	11:13:00	4567.0000	1594.44	70.43	-51.83	
09/25	11:14:15	4568.2500	1611.66	70.85	17.22	
09/25	11:14:30	4568.5000	1615.21	70.93	3.55	
09/25	11:15:00	4569.0000	1621.18	71.10	5.97	
09/25	11:15:15	4569.2500	.01	71.18	-1621.17	
09/25	11:24:30	4578.5000	.01	73.24	.00	

Company: KEY ENERGY SERVICES, LLC
Well: SUNCO 'SWD' NO. 1
Field: MESA VERDE FORMATION
Engineer: NEIL TEFTELLER
Gauge Type: ELECTRONIC MEMORY
Gauge Range: 0 - 5000
Gauge Depth: 4405 ft
Serial No.: 252

County: SAN JUAN
State: NEW MEXICO
Date: 09/25/2009
Well Type: SWD
Test Type: GRADIENT
Status: INJECTION
File Name: 61578

Tubing: 2-7/8" TO
Tubing: TO
Casing: TO
Perfs.: 4350' - 4460'

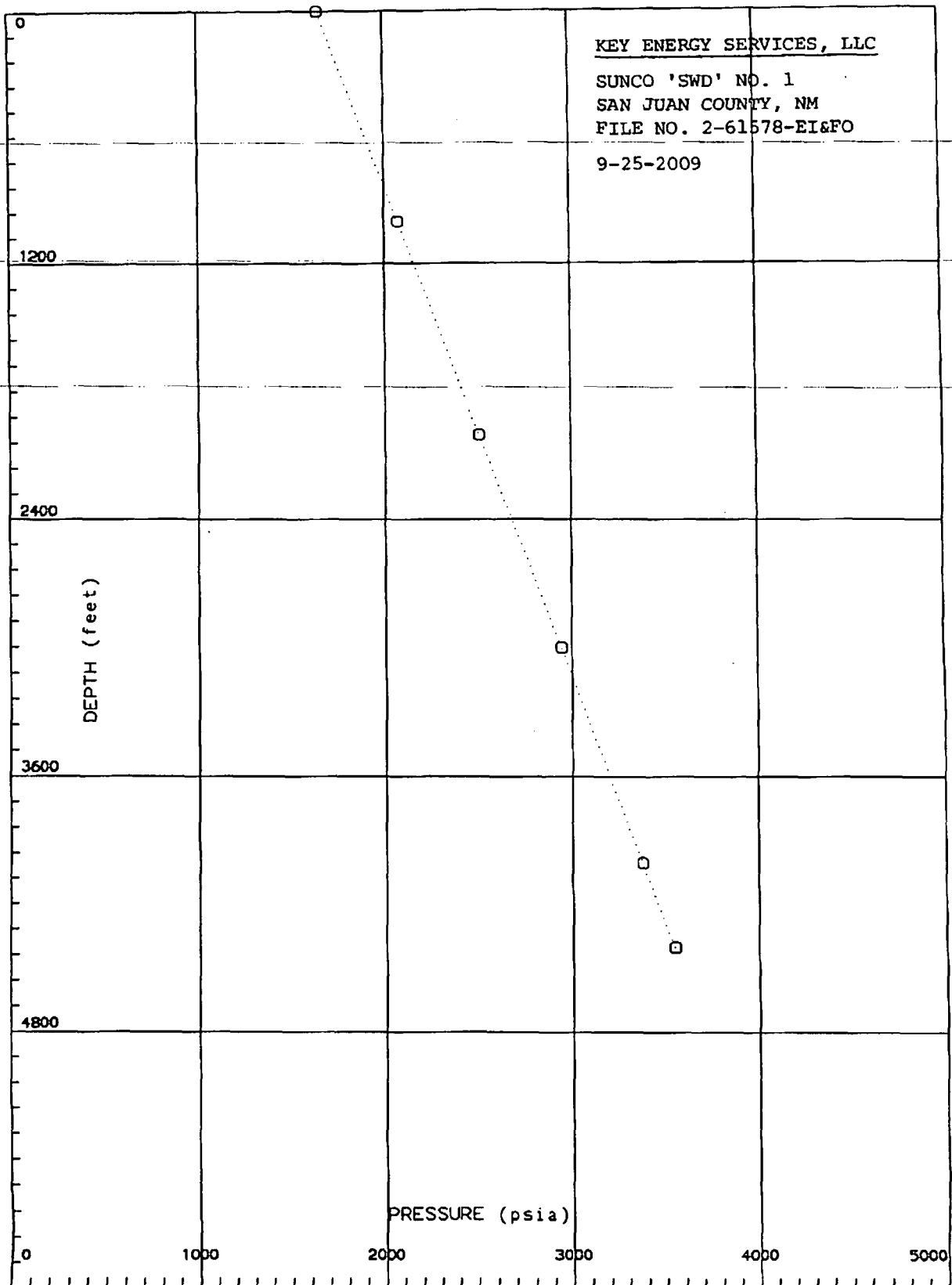
Oil Level
H2O Level

~~Flowing BHP 2645 @ 4405 ft Flowing BHT 282 F @ 4405 ft.~~

[Tefteller Incorporated]

#	MD	TVD	PRESSURE	PSI/ft
1	0	0	1645.00	
2	1000	1000	2072.00	0.427
3	2000	2000	2508.00	0.436
4	3000	3000	2941.00	0.433
5	4000	4000	3369.00	0.428
6	4405	4405	3545.00	0.435

INJECTING 190-198 BW/HR

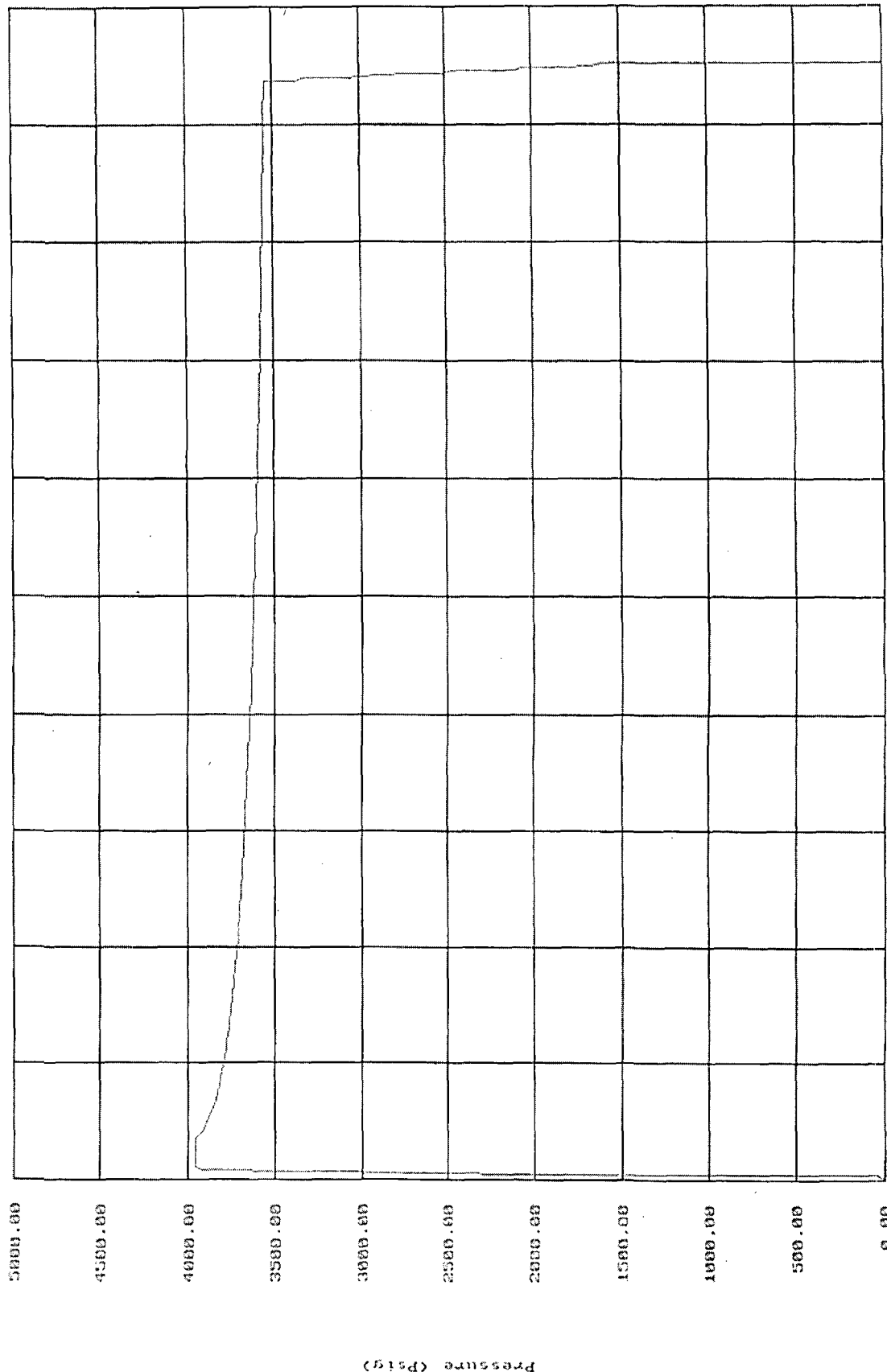


KEY ENERGY SERVICES, LLC

SUNCO SUD NO. 1
SAN JUAN COUNTY, NM
F252925.RED

TEETELLER, INC.
9-22-09
INJECTION & PRESSURE FALL-OFF TEST

Pressure vs. dt



Key Energy Services

Sunco SWD #1

San Juan County, NM

Fall-Off Test: September 22-25, 2009

Elapsed Time <i>mmmm.mm</i>	Delta F-O Time <i>Minutes</i>	Pressure <i>Psig</i>	Temperature <i>Deg F</i>
0.00		0.01	63.76
2.25		0.01	63.76
2.50		0.01	63.61
2.75		0.01	63.41
3.00		0.01	63.23
3.25		0.01	63.05
3.50		0.01	62.87
3.75		0.01	62.69
4.00		0.01	62.51
4.25		0.01	62.34
4.50		0.01	62.18
4.75		0.01	62.00
5.00		0.01	61.80
6.00		0.01	61.11
7.00		0.01	60.21
8.00		0.01	59.30
9.00		0.01	58.40
10.00		0.01	57.50
11.00		0.01	56.80
12.00		0.01	56.10
13.00		0.01	55.41
14.00		0.01	54.97
15.00		0.01	54.46
16.00		0.01	54.02
17.00		0.01	53.59
18.00		0.01	53.22
19.00		0.01	52.90
20.00		0.01	52.59
21.00		0.01	52.28
22.00		0.30	52.01
22.25		0.02	51.95
22.50		0.01	51.97
22.75		0.01	52.00
23.00		0.01	52.03
23.25		0.26	52.05
23.50		1.78	52.08
23.75		5.37	52.11
24.00		18.47	52.13

24.25		42.21	52.16
24.50		162.15	52.19
24.75		2245.39	52.22
25.00		2243.89	52.24
25.25		2243.49	52.47
25.50		2243.45	52.86
25.75		2253.33	53.25
26.00		2272.94	53.64
26.25		2288.45	54.04
26.50		2298.02	54.42
26.75		2312.91	54.81
27.00		2328.17	55.20
27.25		2352.96	55.60
27.50		2382.84	55.99
27.75		2414.70	56.38
28.00		2444.20	56.78
28.25		2473.19	57.19
28.50		2507.05	57.52
28.75		2538.31	57.86
29.00		2568.94	58.20
29.25		2602.30	58.54
29.50		2634.30	58.87
29.75		2659.96	59.22
30.00		2686.98	59.56
30.25		2713.76	59.89
30.50		2741.90	60.23
30.75		2770.90	60.57
31.00		2794.69	60.91
31.25		2820.26	61.19
31.50		2846.62	61.41
31.75		2874.21	61.62
32.00		2903.28	61.84
32.25		2933.35	62.06
32.50		2964.16	62.27
32.75		2994.72	62.49
33.00		3017.84	62.71
33.25		3035.01	62.93
33.50		3058.39	63.14
33.75		3082.49	63.36
34.00		3106.97	63.58
34.25		3132.10	63.76
34.50		3157.63	63.91
34.75		3184.62	64.08
35.00		3211.37	64.24
35.25		3239.11	64.40
35.50		3266.61	64.56
35.75		3295.22	64.72

36.00		3326.30	64.89
36.25		3357.51	65.04
36.50		3384.75	65.21
36.75		3415.22	65.37
37.00		3446.67	65.53
37.25		3478.38	65.68
37.50		3508.98	65.83
37.75		3540.07	65.98
38.00		3572.03	66.13
38.25		3603.25	66.28
38.50		3630.75	66.43
38.75		3659.49	66.57
39.00		3688.48	66.72
39.25		3716.47	66.87
39.50		3742.85	67.02
39.75		3769.23	67.17
40.00		3796.23	67.32
40.25		3822.98	67.47
40.50		3849.12	67.61
40.75		3872.16	67.75
41.00		3892.36	67.88
41.25		3914.40	68.03
41.50		3928.03	68.17
41.75		3942.14	68.30
42.00		3952.66	68.44
42.25		3952.67	68.58
42.50		3952.64	68.72
42.75		3952.66	68.86
43.00		3952.68	69.00
43.25		3952.71	69.12
43.50		3952.80	69.21
43.75		3952.87	69.31
44.00		3952.98	69.41
44.25		3953.10	69.49
44.50		3953.18	69.59
44.75		3953.24	69.69
45.00		3953.28	69.78
45.25		3953.32	69.87
45.50		3953.36	69.97
45.75		3953.44	70.06
46.00		3953.51	70.15
46.25		3953.58	70.22
46.50		3953.65	70.28
46.75		3953.71	70.35
47.00		3953.77	70.41
47.25		3953.85	70.47
47.50		3953.96	70.53

47.75		3954.06	70.59
48.00		3954.14	70.65
48.25		3954.19	70.71
48.50		3954.19	70.77
48.75		3954.18	70.83
49.00		3954.16	70.90
50.00		3954.43	71.07
51.00		3954.82	71.20
52.00		3954.84	71.34
53.00		3955.13	71.48
54.00		3955.12	71.59
55.00		3955.21	71.66
56.00		3955.30	71.75
57.00		3955.37	71.82
58.00		3955.45	71.89
59.00		3955.57	71.94
60.00		3955.70	72.00
61.00		3955.82	72.04
62.00		3955.91	72.08
63.00		3955.96	72.13
64.00		3955.95	72.16
65.00		3955.97	72.20
66.00		3955.99	72.24
67.00		3956.04	72.26
68.00		3956.08	72.28
69.00		3956.12	72.30
70.00		3956.14	72.33
71.00		3956.16	72.35
72.00		3956.19	72.36
73.00		3956.20	72.38
74.00		3956.24	72.39
75.00		3956.29	72.40
76.00		3956.33	72.42
77.00		3956.36	72.42
78.00		3956.39	72.44
79.00		3956.42	72.45
80.00		3956.44	72.46
81.00		3956.46	72.47
82.00		3956.47	72.48
83.00		3956.48	72.48
84.00		3956.49	72.50
85.00		3956.50	72.50
86.00		3956.50	72.51
87.00		3956.50	72.51
88.00		3956.50	72.52
89.00		3956.50	72.53
90.00		3956.51	72.54

91.00		3956.45	72.56
92.00		3956.47	72.57
93.00		3956.47	72.58
94.00		3956.47	72.59
95.00		3956.49	72.59
96.00		3956.51	72.60
97.00		3956.52	72.61
98.00		3956.54	72.61
99.00		3956.58	72.62
100.00		3956.60	72.63
101.00		3956.63	72.64
102.00		3956.65	72.64
103.00		3956.65	72.65
104.00		3956.66	72.66
105.00		3956.66	72.67
106.00		3956.66	72.67
107.00		3956.66	72.68
108.00		3956.70	72.69
109.00		3956.91	72.70
110.00		3957.04	72.71
111.00		3957.12	72.71
112.00		3957.12	72.72
113.00		3957.15	72.72
114.00		3957.16	72.73
115.00		3957.16	72.72
116.00		3957.21	72.71
117.00		3957.21	72.70
118.00		3957.21	72.68
119.00		3957.22	72.66
120.00		3957.24	72.63
121.00		3957.25	72.61
122.00		3957.26	72.59
123.00		3957.29	72.57
124.00		3957.31	72.55
125.00		3957.41	72.53
126.00		3957.22	72.53
127.00		3957.11	72.52
128.00		3957.07	72.50
129.00		3957.05	72.50
130.00		3957.04	72.48
131.00		3957.03	72.47
132.00		3957.02	72.46
133.00		3957.02	72.45
134.00		3957.02	72.45
135.00		3957.03	72.44
136.00		3957.03	72.43
137.00		3957.02	72.42

138.00		3957.02	72.42
139.00		3957.02	72.41
140.00		3957.02	72.41
141.00		3957.03	72.39
142.00		3957.03	72.39
143.00		3957.04	72.38
144.00		3957.04	72.37
145.00		3957.05	72.36
146.00		3957.06	72.36
147.00		3957.06	72.36
148.00		3957.07	72.36
149.00		3957.07	72.35
150.00		3957.08	72.35
151.00		3957.08	72.35
152.00		3957.09	72.35
153.00		3957.09	72.36
154.00		3957.10	72.36
155.00		3957.10	72.37
156.00		3957.10	72.37
157.00		3957.12	72.38
158.00		3957.13	72.38
159.00		3957.13	72.39
160.00		3957.14	72.41
161.00		3957.16	72.43
162.00		3957.18	72.44
163.00		3957.19	72.46
164.00		3957.21	72.48
165.00		3957.23	72.50
166.00		3957.24	72.53
167.00		3957.23	72.54
168.00		3957.23	72.56
169.00		3957.23	72.57
170.00		3957.24	72.59
171.00		3957.22	72.61
172.00		3957.24	72.63
173.00		3957.26	72.65
174.00		3957.28	72.67
175.00	0.00	3957.32	72.68
176.00	1.00	3951.49	72.70
176.25	1.25	3950.25	72.70
176.50	1.50	3949.14	72.70
176.75	1.75	3948.60	72.71
177.00	2.00	3947.74	72.72
177.25	2.25	3946.93	72.72
177.50	2.50	3946.13	72.72
177.75	2.75	3945.37	72.73

178.00	3.00	3944.69	72.74
178.25	3.25	3944.07	72.74
178.50	3.50	3943.44	72.75
178.75	3.75	3942.82	72.75
179.00	4.00	3942.20	72.75
179.25	4.25	3941.69	72.77
179.50	4.50	3941.19	72.77
179.75	4.75	3940.63	72.78
180.00	5.00	3940.12	72.79
180.25	5.25	3939.63	72.79
180.50	5.50	3939.19	72.80
180.75	5.75	3938.74	72.81
181.00	6.00	3938.24	72.81
181.25	6.25	3937.80	72.82
181.50	6.50	3937.36	72.83
181.75	6.75	3936.86	72.84
182.00	7.00	3936.42	72.84
182.25	7.25	3936.06	72.84
182.50	7.50	3935.43	72.85
182.75	7.75	3935.23	72.86
183.00	8.00	3934.85	72.86
183.25	8.25	3934.40	72.88
183.50	8.50	3933.79	72.88
183.75	8.75	3933.59	72.89
184.00	9.00	3933.27	72.90
184.25	9.25	3932.89	72.91
184.50	9.50	3932.50	72.92
184.75	9.75	3932.13	72.92
185.00	10.00	3931.74	72.94
185.25	10.25	3931.36	72.95
185.50	10.50	3930.98	72.96
185.75	10.75	3930.45	72.97
186.00	11.00	3930.29	72.97
186.25	11.25	3929.82	72.98
186.50	11.50	3929.65	72.99
186.75	11.75	3929.33	73.00
187.00	12.00	3928.80	73.01
187.25	12.25	3928.66	73.01
187.50	12.50	3928.39	73.02
187.75	12.75	3928.06	73.03
188.00	13.00	3927.54	73.03
188.25	13.25	3927.35	73.06
188.50	13.50	3926.89	73.07
188.75	13.75	3926.74	73.08
189.00	14.00	3926.45	73.10
189.25	14.25	3925.97	73.12
189.50	14.50	3925.80	73.13

189.75	14.75	3925.47	73.15
190.00	15.00	3924.93	73.17
190.25	15.25	3924.78	73.18
190.50	15.50	3924.57	73.20
190.75	15.75	3924.24	73.21
191.00	16.00	3923.76	73.23
191.25	16.25	3923.60	73.25
191.50	16.50	3923.37	73.28
191.75	16.75	3923.13	73.30
192.00	17.00	3922.88	73.32
192.25	17.25	3922.50	73.34
192.50	17.50	3922.01	73.37
192.75	17.75	3921.85	73.39
193.00	18.00	3921.63	73.41
193.25	18.25	3921.40	73.43
193.50	18.50	3921.03	73.46
193.75	18.75	3920.57	73.48
194.00	19.00	3920.42	73.50
194.25	19.25	3920.03	73.52
194.50	19.50	3919.89	73.54
194.75	19.75	3919.46	73.57
195.00	20.00	3919.32	73.59
195.25	20.25	3919.14	73.61
195.50	20.50	3918.93	73.63
195.75	20.75	3918.70	73.66
196.00	21.00	3918.32	73.68
196.25	21.25	3917.88	73.70
196.50	21.50	3917.73	73.72
196.75	21.75	3917.34	73.74
197.00	22.00	3917.19	73.77
197.25	22.25	3916.77	73.79
197.50	22.50	3916.62	73.81
197.75	22.75	3916.45	73.83
198.00	23.00	3916.24	73.85
198.25	23.25	3916.02	73.87
198.50	23.50	3915.81	73.89
198.75	23.75	3915.60	73.90
199.00	24.00	3915.35	73.92
199.25	24.25	3915.09	73.94
199.50	24.50	3914.83	73.97
199.75	24.75	3914.61	73.99
200.00	25.00	3914.38	74.01
200.25	25.25	3914.14	74.02
200.50	25.50	3913.76	74.04
200.75	25.75	3913.29	74.06
201.00	26.00	3913.15	74.07
201.25	26.25	3912.98	74.09

201.50	26.50	3912.78	74.10
201.75	26.75	3912.54	74.12
202.00	27.00	3912.31	74.13
202.25	27.25	3912.09	74.15
202.50	27.50	3911.86	74.17
202.75	27.75	3911.64	74.18
203.00	28.00	3911.43	74.20
203.25	28.25	3911.22	74.21
203.50	28.50	3911.02	74.22
203.75	28.75	3910.82	74.23
204.00	29.00	3910.53	74.25
204.25	29.25	3910.12	74.26
204.50	29.50	3909.96	74.28
204.75	29.75	3909.78	74.28
205.00	30.00	3909.57	74.30
205.25	30.25	3909.38	74.31
205.50	30.50	3909.19	74.32
205.75	30.75	3908.98	74.34
206.00	31.00	3908.79	74.35
206.25	31.25	3908.58	74.36
206.50	31.50	3908.36	74.37
206.75	31.75	3908.05	74.38
207.00	32.00	3907.64	74.39
207.25	32.25	3907.50	74.40
207.50	32.50	3907.35	74.41
207.75	32.75	3907.20	74.42
208.00	33.00	3907.02	74.43
208.25	33.25	3906.84	74.44
208.50	33.50	3906.65	74.45
208.75	33.75	3906.36	74.46
209.00	34.00	3905.95	74.47
209.25	34.25	3905.82	74.48
209.50	34.50	3905.65	74.49
209.75	34.75	3905.47	74.50
210.00	35.00	3905.28	74.51
210.25	35.25	3905.09	74.52
210.50	35.50	3904.90	74.53
210.75	35.75	3904.70	74.54
211.00	36.00	3904.51	74.55
211.25	36.25	3904.30	74.56
211.50	36.50	3904.06	74.57
211.75	36.75	3903.83	74.58
212.00	37.00	3903.63	74.59
212.25	37.25	3903.48	74.59
212.50	37.50	3903.31	74.61
212.75	37.75	3903.12	74.61
213.00	38.00	3902.89	74.62

213.25	38.25	3902.65	74.63
213.50	38.50	3902.43	74.64
213.75	38.75	3902.26	74.65
214.00	39.00	3902.07	74.66
214.25	39.25	3901.87	74.67
214.50	39.50	3901.67	74.68
214.75	39.75	3901.46	74.68
215.00	40.00	3901.23	74.70
215.25	40.25	3901.04	74.70
215.50	40.50	3900.82	74.70
215.75	40.75	3900.60	74.71
216.00	41.00	3900.40	74.72
216.25	41.25	3900.20	74.72
216.50	41.50	3900.02	74.73
216.75	41.75	3899.85	74.74
217.00	42.00	3899.66	74.75
217.25	42.25	3899.44	74.75
217.50	42.50	3899.24	74.76
217.75	42.75	3899.04	74.77
218.00	43.00	3898.86	74.77
218.25	43.25	3898.70	74.77
218.50	43.50	3898.52	74.78
218.75	43.75	3898.34	74.78
219.00	44.00	3898.13	74.79
219.25	44.25	3897.92	74.79
219.50	44.50	3897.74	74.79
219.75	44.75	3897.58	74.79
220.00	45.00	3897.42	74.80
220.25	45.25	3897.24	74.80
220.50	45.50	3897.03	74.81
220.75	45.75	3896.84	74.81
221.00	46.00	3896.65	74.81
221.25	46.25	3896.47	74.81
221.50	46.50	3896.30	74.82
221.75	46.75	3896.13	74.82
222.00	47.00	3895.94	74.83
222.25	47.25	3895.74	74.83
222.50	47.50	3895.53	74.84
222.75	47.75	3895.35	74.84
223.00	48.00	3895.17	74.84
223.25	48.25	3895.00	74.84
223.50	48.50	3894.80	74.85
223.75	48.75	3894.62	74.85
224.00	49.00	3894.43	74.86
224.25	49.25	3894.24	74.86
224.50	49.50	3894.06	74.86
224.75	49.75	3893.86	74.86

225.00	50.00	3893.64	74.86
225.25	50.25	3893.44	74.87
225.50	50.50	3893.25	74.87
225.75	50.75	3893.07	74.87
226.00	51.00	3892.93	74.87
226.25	51.25	3892.77	74.88
226.50	51.50	3892.60	74.88
226.75	51.75	3892.42	74.88
227.00	52.00	3892.24	74.88
227.25	52.25	3892.07	74.88
227.50	52.50	3891.93	74.88
227.75	52.75	3891.78	74.88
228.00	53.00	3891.59	74.88
228.25	53.25	3891.38	74.89
228.50	53.50	3891.21	74.89
228.75	53.75	3891.05	74.89
229.00	54.00	3890.90	74.89
229.25	54.25	3890.71	74.90
229.50	54.50	3890.50	74.90
229.75	54.75	3890.33	74.90
230.00	55.00	3890.18	74.90
230.25	55.25	3890.02	74.90
230.50	55.50	3889.85	74.91
230.75	55.75	3889.67	74.91
231.00	56.00	3889.49	74.91
231.25	56.25	3889.32	74.91
231.50	56.50	3889.16	74.91
231.75	56.75	3888.99	74.91
232.00	57.00	3888.81	74.91
232.25	57.25	3888.62	74.91
232.50	57.50	3888.44	74.91
232.75	57.75	3888.27	74.91
233.00	58.00	3888.03	74.92
234.00	59.00	3887.57	74.92
235.00	60.00	3886.84	74.92
236.00	61.00	3886.22	74.92
237.00	62.00	3885.54	74.92
238.00	63.00	3884.86	74.92
239.00	64.00	3884.24	74.92
240.00	65.00	3883.55	74.93
241.00	66.00	3882.93	74.93
242.00	67.00	3882.35	74.95
243.00	68.00	3881.67	74.95
244.00	69.00	3881.06	74.95
245.00	70.00	3880.50	74.95
246.00	71.00	3879.80	74.97
247.00	72.00	3879.18	74.97

248.00	73.00	3878.68	74.98
249.00	74.00	3878.11	74.99
250.00	75.00	3877.42	74.99
251.00	76.00	3876.81	74.99
252.00	77.00	3876.24	75.00
253.00	78.00	3875.62	75.00
254.00	79.00	3875.05	75.02
255.00	80.00	3874.55	75.03
256.00	81.00	3873.99	75.04
257.00	82.00	3873.36	75.04
258.00	83.00	3872.80	75.05
259.00	84.00	3872.23	75.06
260.00	85.00	3871.67	75.06
261.00	86.00	3871.17	75.07
262.00	87.00	3870.60	75.08
263.00	88.00	3870.04	75.08
264.00	89.00	3869.54	75.09
265.00	90.00	3869.04	75.10
266.00	91.00	3868.54	75.10
267.00	92.00	3867.97	75.11
268.00	93.00	3867.47	75.12
269.00	94.00	3866.96	75.13
270.00	95.00	3866.41	75.13
271.00	96.00	3865.89	75.15
272.00	97.00	3865.33	75.15
273.00	98.00	3864.76	75.17
274.00	99.00	3864.27	75.17
275.00	100.00	3863.83	75.18
276.00	101.00	3863.38	75.19
277.00	102.00	3862.88	75.20
278.00	103.00	3862.37	75.21
279.00	104.00	3861.88	75.21
280.00	105.00	3861.36	75.23
281.00	106.00	3860.86	75.24
282.00	107.00	3860.35	75.25
283.00	108.00	3859.91	75.26
284.00	109.00	3859.47	75.27
285.00	110.00	3858.96	75.28
286.00	111.00	3858.47	75.28
287.00	112.00	3858.02	75.30
288.00	113.00	3857.58	75.30
289.00	114.00	3857.13	75.32
290.00	115.00	3856.62	75.33
291.00	116.00	3856.13	75.34
292.00	117.00	3855.74	75.35
293.00	118.00	3855.30	75.36
294.00	119.00	3854.86	75.37

295.00	120.00	3854.41	75.38
296.00	121.00	3853.97	75.39
297.00	122.00	3853.59	75.40
298.00	123.00	3853.15	75.41
299.00	124.00	3852.71	75.42
300.00	125.00	3852.20	75.43
301.00	126.00	3851.70	75.44
302.00	127.00	3851.31	75.46
303.00	128.00	3850.94	75.46
304.00	129.00	3850.50	75.46
305.00	130.00	3850.07	75.46
306.00	131.00	3849.62	75.48
307.00	132.00	3849.19	75.48
308.00	133.00	3848.82	75.48
309.00	134.00	3848.38	75.48
310.00	135.00	3847.93	75.50
311.00	136.00	3847.56	75.50
312.00	137.00	3846.95	75.51
313.00	138.00	3846.76	75.51
314.00	139.00	3846.37	75.51
315.00	140.00	3845.93	75.52
316.00	141.00	3845.49	75.53
317.00	142.00	3845.06	75.53
318.00	143.00	3844.69	75.53
319.00	144.00	3844.30	75.54
320.00	145.00	3843.92	75.55
321.00	146.00	3843.55	75.55
322.00	147.00	3842.93	75.56
323.00	148.00	3842.74	75.56
324.00	149.00	3842.35	75.57
325.00	150.00	3841.93	75.57
326.00	151.00	3841.47	75.59
327.00	152.00	3841.04	75.59
328.00	153.00	3840.51	75.60
329.00	154.00	3840.34	75.61
330.00	155.00	3840.03	75.61
331.00	156.00	3839.65	75.62
332.00	157.00	3839.20	75.63
333.00	158.00	3838.77	75.64
334.00	159.00	3838.25	75.64
335.00	160.00	3838.08	75.65
336.00	161.00	3837.76	75.66
337.00	162.00	3837.38	75.67
338.00	163.00	3837.01	75.66
339.00	164.00	3836.62	75.68
340.00	165.00	3836.25	75.68
341.00	166.00	3835.86	75.70

342.00	167.00	3835.48	75.71
343.00	168.00	3834.96	75.72
344.00	169.00	3834.79	75.73
345.00	170.00	3834.47	75.73
346.00	171.00	3834.08	75.75
347.00	172.00	3833.71	75.75
348.00	173.00	3833.19	75.76
349.00	174.00	3833.02	75.77
350.00	175.00	3832.56	75.77
351.00	176.00	3832.38	75.79
352.00	177.00	3832.07	75.80
353.00	178.00	3831.68	75.81
354.00	179.00	3831.30	75.81
355.00	180.00	3830.78	75.82
356.00	181.00	3830.61	75.83
357.00	182.00	3830.05	75.84
358.00	183.00	3829.86	75.84
359.00	184.00	3829.39	75.85
360.00	185.00	3829.22	75.86
361.00	186.00	3828.90	75.87
362.00	187.00	3828.52	75.89
363.00	188.00	3827.99	75.89
364.00	189.00	3827.82	75.90
365.00	190.00	3827.35	75.91
366.00	191.00	3827.19	75.91
367.00	192.00	3826.87	75.92
368.00	193.00	3826.34	75.93
369.00	194.00	3826.17	75.94
370.00	195.00	3825.86	75.94
371.00	196.00	3825.33	75.95
372.00	197.00	3825.19	75.96
373.00	198.00	3824.91	75.98
374.00	199.00	3824.44	75.98
375.00	200.00	3824.27	75.99
376.00	201.00	3823.80	76.00
377.00	202.00	3823.64	76.00
378.00	203.00	3823.18	76.00
379.00	204.00	3823.01	76.02
380.00	205.00	3822.69	76.02
381.00	206.00	3822.30	76.04
382.00	207.00	3821.79	76.04
383.00	208.00	3821.65	76.05
384.00	209.00	3821.42	76.07
385.00	210.00	3821.16	76.07
386.00	211.00	3820.63	76.08
387.00	212.00	3820.49	76.09
388.00	213.00	3820.21	76.10

389.00	214.00	3819.89	76.11
390.00	215.00	3819.40	76.11
391.00	216.00	3819.26	76.13
392.00	217.00	3819.00	76.13
393.00	218.00	3818.49	76.15
394.00	219.00	3818.37	76.15
395.00	220.00	3817.96	76.16
396.00	221.00	3817.81	76.17
397.00	222.00	3817.53	76.18
398.00	223.00	3817.01	76.18
399.00	224.00	3816.85	76.19
400.00	225.00	3816.44	76.20
401.00	226.00	3816.28	76.20
402.00	227.00	3815.81	76.21
403.00	228.00	3815.66	76.22
404.00	229.00	3815.39	76.22
405.00	230.00	3814.93	76.23
406.00	231.00	3814.79	76.23
407.00	232.00	3814.51	76.24
408.00	233.00	3814.07	76.25
409.00	234.00	3813.93	76.27
410.00	235.00	3813.53	76.27
411.00	236.00	3813.38	76.28
412.00	237.00	3813.17	76.29
413.00	238.00	3812.96	76.29
414.00	239.00	3812.61	76.29
415.00	240.00	3812.27	76.31
416.00	241.00	3811.79	76.31
417.00	242.00	3811.64	76.33
418.00	243.00	3811.26	76.34
419.00	244.00	3811.13	76.35
420.00	245.00	3810.72	76.36
421.00	246.00	3810.58	76.36
422.00	247.00	3810.31	76.36
423.00	248.00	3809.87	76.38
424.00	249.00	3809.74	76.38
425.00	250.00	3809.32	76.40
426.00	251.00	3809.19	76.39
427.00	252.00	3808.99	76.40
428.00	253.00	3808.76	76.41
429.00	254.00	3808.40	76.42
430.00	255.00	3807.93	76.43
431.00	256.00	3807.79	76.44
432.00	257.00	3807.60	76.45
433.00	258.00	3807.32	76.45
434.00	259.00	3807.06	76.46
435.00	260.00	3806.54	76.46

436.00	261.00	3806.41	76.47
437.00	262.00	3806.19	76.47
438.00	263.00	3805.81	76.48
439.00	264.00	3805.69	76.48
440.00	265.00	3805.28	76.49
441.00	266.00	3805.14	76.49
442.00	267.00	3804.93	76.51
443.00	268.00	3804.71	76.51
444.00	269.00	3804.47	76.52
445.00	270.00	3804.22	76.53
446.00	271.00	3803.97	76.54
447.00	272.00	3803.60	76.54
448.00	273.00	3803.16	76.54
449.00	274.00	3803.05	76.54
450.00	275.00	3802.87	76.56
451.00	276.00	3802.67	76.56
452.00	277.00	3802.43	76.57
453.00	278.00	3802.19	76.57
454.00	279.00	3801.94	76.58
455.00	280.00	3801.57	76.58
456.00	281.00	3801.10	76.59
457.00	282.00	3800.98	76.59
458.00	283.00	3800.82	76.60
459.00	284.00	3800.62	76.61
460.00	285.00	3800.30	76.62
461.00	286.00	3799.84	76.63
462.00	287.00	3799.69	76.63
463.00	288.00	3799.48	76.64
464.00	289.00	3799.27	76.65
465.00	290.00	3798.97	76.65
466.00	291.00	3798.59	76.66
467.00	292.00	3798.47	76.67
468.00	293.00	3798.31	76.67
469.00	294.00	3798.10	76.68
470.00	295.00	3797.87	76.69
471.00	296.00	3797.64	76.69
472.00	297.00	3797.32	76.70
473.00	298.00	3796.94	76.71
474.00	299.00	3796.83	76.72
475.00	300.00	3796.67	76.72
476.00	301.00	3796.46	76.72
477.00	302.00	3796.23	76.72
478.00	303.00	3795.85	76.74
479.00	304.00	3795.45	76.74
480.00	305.00	3795.37	76.75
481.00	306.00	3795.22	76.76
482.00	307.00	3794.76	76.76

483.00	308.00	3794.63	76.77
484.00	309.00	3794.46	76.78
485.00	310.00	3794.27	76.78
486.00	311.00	3794.05	76.79
487.00	312.00	3793.81	76.79
488.00	313.00	3793.58	76.80
489.00	314.00	3793.39	76.80
490.00	315.00	3793.13	76.81
491.00	316.00	3792.73	76.81
492.00	317.00	3792.59	76.82
493.00	318.00	3792.39	76.82
494.00	319.00	3792.16	76.83
495.00	320.00	3791.93	76.84
496.00	321.00	3791.72	76.85
497.00	322.00	3791.52	76.85
498.00	323.00	3791.33	76.86
499.00	324.00	3791.04	76.86
500.00	325.00	3790.60	76.87
501.00	326.00	3790.49	76.87
502.00	327.00	3790.33	76.88
503.00	328.00	3790.12	76.88
504.00	329.00	3789.89	76.89
505.00	330.00	3789.65	76.89
506.00	331.00	3789.40	76.91
507.00	332.00	3789.20	76.91
508.00	333.00	3788.98	76.92
509.00	334.00	3788.75	76.92
510.00	335.00	3788.51	76.93
511.00	336.00	3788.30	76.94
512.00	337.00	3788.09	76.94
513.00	338.00	3787.87	76.95
514.00	339.00	3787.67	76.95
515.00	340.00	3787.46	76.96
516.00	341.00	3787.18	76.96
517.00	342.00	3786.80	76.97
518.00	343.00	3786.68	76.98
519.00	344.00	3786.52	76.98
520.00	345.00	3786.32	76.99
521.00	346.00	3786.09	76.99
522.00	347.00	3785.84	77.01
523.00	348.00	3785.64	77.01
524.00	349.00	3785.44	77.01
525.00	350.00	3785.25	77.01
526.00	351.00	3785.04	77.03
527.00	352.00	3784.86	77.03
528.00	353.00	3784.66	77.03
529.00	354.00	3784.43	77.03

530.00	355.00	3784.19	77.05
531.00	356.00	3783.99	77.05
532.00	357.00	3783.78	77.06
533.00	358.00	3783.50	77.06
534.00	359.00	3783.12	77.07
535.00	360.00	3783.01	77.08
536.00	361.00	3782.86	77.08
537.00	362.00	3782.61	77.09
538.00	363.00	3782.26	77.10
539.00	364.00	3782.18	77.10
540.00	365.00	3782.04	77.11
541.00	366.00	3781.84	77.12
542.00	367.00	3781.64	77.12
543.00	368.00	3781.44	77.12
544.00	369.00	3781.23	77.13
545.00	370.00	3781.02	77.13
546.00	371.00	3780.81	77.14
547.00	372.00	3780.61	77.15
548.00	373.00	3780.32	77.16
549.00	374.00	3779.94	77.17
550.00	375.00	3779.84	77.17
551.00	376.00	3779.68	77.18
552.00	377.00	3779.30	77.19
553.00	378.00	3779.19	77.19
554.00	379.00	3779.04	77.19
555.00	380.00	3778.88	77.20
556.00	381.00	3778.72	77.21
557.00	382.00	3778.54	77.21
558.00	383.00	3778.33	77.21
559.00	384.00	3778.13	77.23
560.00	385.00	3777.94	77.23
561.00	386.00	3777.73	77.25
562.00	387.00	3777.54	77.25
563.00	388.00	3777.36	77.26
564.00	389.00	3777.16	77.26
565.00	390.00	3776.97	77.27
566.00	391.00	3776.75	77.28
567.00	392.00	3776.53	77.28
568.00	393.00	3776.30	77.29
569.00	394.00	3776.10	77.30
570.00	395.00	3775.95	77.29
571.00	396.00	3775.74	77.30
572.00	397.00	3775.53	77.31
573.00	398.00	3775.34	77.32
574.00	399.00	3775.17	77.32
575.00	400.00	3774.97	77.33
576.00	401.00	3774.77	77.34

577.00	402.00	3774.52	77.35
578.00	403.00	3774.19	77.36
579.00	404.00	3774.09	77.37
580.00	405.00	3773.98	77.37
581.00	406.00	3773.84	77.38
582.00	407.00	3773.62	77.37
583.00	408.00	3773.18	77.39
584.00	409.00	3773.08	77.39
585.00	410.00	3772.94	77.41
586.00	411.00	3772.79	77.41
587.00	412.00	3772.63	77.41
588.00	413.00	3772.47	77.42
589.00	414.00	3772.27	77.43
590.00	415.00	3772.07	77.44
591.00	416.00	3771.88	77.44
592.00	417.00	3771.71	77.45
593.00	418.00	3771.52	77.46
594.00	419.00	3771.34	77.46
595.00	420.00	3771.15	77.47
596.00	421.00	3770.96	77.48
597.00	422.00	3770.77	77.48
598.00	423.00	3770.60	77.48
599.00	424.00	3770.43	77.49
600.00	425.00	3770.24	77.50
601.00	426.00	3770.02	77.51
602.00	427.00	3769.83	77.52
603.00	428.00	3769.59	77.52
604.00	429.00	3769.25	77.53
605.00	430.00	3769.18	77.53
606.00	431.00	3769.04	77.53
607.00	432.00	3768.86	77.55
608.00	433.00	3768.72	77.55
609.00	434.00	3768.53	77.57
610.00	435.00	3768.34	77.57
611.00	436.00	3768.17	77.57
612.00	437.00	3768.02	77.58
613.00	438.00	3767.80	77.59
614.00	439.00	3767.42	77.59
615.00	440.00	3767.33	77.59
616.00	441.00	3767.21	77.60
617.00	442.00	3767.04	77.60
618.00	443.00	3766.68	77.62
619.00	444.00	3766.63	77.62
620.00	445.00	3766.52	77.63
621.00	446.00	3766.37	77.63
622.00	447.00	3766.16	77.64
623.00	448.00	3765.95	77.65

624.00	449.00	3765.69	77.66
625.00	450.00	3765.38	77.66
626.00	451.00	3765.27	77.68
627.00	452.00	3765.16	77.68
628.00	453.00	3765.03	77.68
629.00	454.00	3764.87	77.68
630.00	455.00	3764.70	77.70
631.00	456.00	3764.55	77.71
632.00	457.00	3764.40	77.71
633.00	458.00	3764.23	77.72
634.00	459.00	3764.05	77.72
635.00	460.00	3763.86	77.73
636.00	461.00	3763.68	77.73
637.00	462.00	3763.48	77.74
638.00	463.00	3763.30	77.75
639.00	464.00	3763.16	77.75
640.00	465.00	3763.01	77.76
641.00	466.00	3762.86	77.77
642.00	467.00	3762.67	77.77
643.00	468.00	3762.49	77.77
644.00	469.00	3762.33	77.78
645.00	470.00	3762.18	77.78
646.00	471.00	3761.99	77.80
647.00	472.00	3761.80	77.80
648.00	473.00	3761.60	77.81
649.00	474.00	3761.44	77.82
650.00	475.00	3761.26	77.82
651.00	476.00	3761.08	77.82
652.00	477.00	3760.94	77.83
653.00	478.00	3760.81	77.83
654.00	479.00	3760.62	77.84
655.00	480.00	3760.43	77.84
656.00	481.00	3760.24	77.85
657.00	482.00	3760.10	77.85
658.00	483.00	3759.94	77.86
659.00	484.00	3759.77	77.86
660.00	485.00	3759.59	77.87
661.00	486.00	3759.40	77.87
662.00	487.00	3759.22	77.89
663.00	488.00	3759.06	77.89
664.00	489.00	3758.88	77.89
665.00	490.00	3758.72	77.89
666.00	491.00	3758.55	77.91
667.00	492.00	3758.41	77.91
668.00	493.00	3758.24	77.91
669.00	494.00	3758.06	77.91
670.00	495.00	3757.89	77.92

671.00	496.00	3757.73	77.93
672.00	497.00	3757.58	77.93
673.00	498.00	3757.42	77.94
674.00	499.00	3757.28	77.94
675.00	500.00	3757.13	77.95
676.00	501.00	3756.96	77.95
677.00	502.00	3756.77	77.96
678.00	503.00	3756.58	77.96
679.00	504.00	3756.39	77.96
680.00	505.00	3756.23	77.97
681.00	506.00	3756.08	77.97
682.00	507.00	3755.94	77.98
683.00	508.00	3755.78	77.98
684.00	509.00	3755.58	77.99
685.00	510.00	3755.42	77.99
686.00	511.00	3755.26	78.00
687.00	512.00	3755.11	78.00
688.00	513.00	3754.94	78.00
689.00	514.00	3754.77	78.01
690.00	515.00	3754.60	78.02
691.00	516.00	3754.44	78.02
692.00	517.00	3754.30	78.02
693.00	518.00	3754.14	78.02
694.00	519.00	3753.94	78.04
695.00	520.00	3753.76	78.04
696.00	521.00	3753.60	78.05
697.00	522.00	3753.43	78.05
698.00	523.00	3753.27	78.05
699.00	524.00	3753.16	78.05
700.00	525.00	3753.04	78.06
701.00	526.00	3752.87	78.06
702.00	527.00	3752.69	78.07
703.00	528.00	3752.54	78.07
704.00	529.00	3752.38	78.08
705.00	530.00	3752.23	78.08
706.00	531.00	3752.08	78.09
707.00	532.00	3751.93	78.09
708.00	533.00	3751.77	78.09
709.00	534.00	3751.61	78.09
710.00	535.00	3751.44	78.10
711.00	536.00	3751.25	78.11
712.00	537.00	3751.09	78.11
713.00	538.00	3750.95	78.11
714.00	539.00	3750.82	78.11
715.00	540.00	3750.69	78.11
716.00	541.00	3750.54	78.12
717.00	542.00	3750.37	78.12

718.00	543.00	3750.19	78.14
719.00	544.00	3750.02	78.14
720.00	545.00	3749.89	78.14
721.00	546.00	3749.76	78.14
722.00	547.00	3749.60	78.15
723.00	548.00	3749.44	78.15
724.00	549.00	3749.28	78.16
725.00	550.00	3749.11	78.16
726.00	551.00	3748.96	78.16
727.00	552.00	3748.84	78.17
728.00	553.00	3748.70	78.17
729.00	554.00	3748.53	78.18
730.00	555.00	3748.37	78.18
731.00	556.00	3748.23	78.18
732.00	557.00	3748.08	78.18
733.00	558.00	3747.92	78.19
734.00	559.00	3747.76	78.19
735.00	560.00	3747.61	78.19
736.00	561.00	3747.46	78.20
737.00	562.00	3747.32	78.20
738.00	563.00	3747.16	78.20
739.00	564.00	3747.00	78.21
740.00	565.00	3746.83	78.21
741.00	566.00	3746.67	78.22
742.00	567.00	3746.52	78.23
743.00	568.00	3746.39	78.23
744.00	569.00	3746.25	78.23
745.00	570.00	3746.11	78.23
746.00	571.00	3745.93	78.24
747.00	572.00	3745.79	78.24
748.00	573.00	3745.66	78.25
749.00	574.00	3745.53	78.25
750.00	575.00	3745.38	78.25
751.00	576.00	3745.23	78.25
752.00	577.00	3745.07	78.25
753.00	578.00	3744.90	78.26
754.00	579.00	3744.74	78.27
755.00	580.00	3744.61	78.27
756.00	581.00	3744.48	78.27
757.00	582.00	3744.34	78.27
758.00	583.00	3744.16	78.29
759.00	584.00	3744.00	78.29
760.00	585.00	3743.86	78.29
761.00	586.00	3743.73	78.29
762.00	587.00	3743.60	78.29
763.00	588.00	3743.47	78.29
764.00	589.00	3743.34	78.29

765.00	590.00	3743.16	78.30
766.00	591.00	3742.99	78.31
767.00	592.00	3742.84	78.31
768.00	593.00	3742.68	78.32
769.00	594.00	3742.55	78.32
770.00	595.00	3742.44	78.32
771.00	596.00	3742.27	78.32
772.00	597.00	3741.92	78.33
773.00	598.00	3741.86	78.33
774.00	599.00	3741.78	78.34
775.00	600.00	3741.73	78.34
776.00	601.00	3741.70	78.34
777.00	602.00	3741.52	78.34
778.00	603.00	3741.35	78.35
779.00	604.00	3741.21	78.35
780.00	605.00	3741.07	78.36
781.00	606.00	3740.92	78.36
782.00	607.00	3740.76	78.36
783.00	608.00	3740.60	78.36
784.00	609.00	3740.46	78.36
785.00	610.00	3740.32	78.37
786.00	611.00	3740.19	78.37
787.00	612.00	3740.05	78.37
788.00	613.00	3739.89	78.38
789.00	614.00	3739.77	78.38
790.00	615.00	3739.65	78.38
791.00	616.00	3739.49	78.38
792.00	617.00	3739.34	78.38
793.00	618.00	3739.19	78.39
794.00	619.00	3739.04	78.40
795.00	620.00	3738.89	78.40
796.00	621.00	3738.75	78.41
797.00	622.00	3738.64	78.41
798.00	623.00	3738.51	78.41
799.00	624.00	3738.35	78.41
800.00	625.00	3738.20	78.41
801.00	626.00	3738.05	78.42
802.00	627.00	3737.92	78.42
803.00	628.00	3737.77	78.43
804.00	629.00	3737.62	78.43
805.00	630.00	3737.50	78.43
806.00	631.00	3737.39	78.43
807.00	632.00	3737.26	78.44
808.00	633.00	3737.24	78.44
809.00	634.00	3737.04	78.45
810.00	635.00	3736.89	78.44
811.00	636.00	3736.73	78.45

812.00	637.00	3736.58	78.45
813.00	638.00	3736.44	78.45
814.00	639.00	3736.41	78.46
815.00	640.00	3736.23	78.46
816.00	641.00	3736.05	78.47
817.00	642.00	3735.91	78.47
818.00	643.00	3735.78	78.47
819.00	644.00	3735.64	78.47
820.00	645.00	3735.52	78.47
821.00	646.00	3735.39	78.48
822.00	647.00	3735.24	78.49
823.00	648.00	3735.07	78.49
824.00	649.00	3734.91	78.49
825.00	650.00	3734.78	78.49
826.00	651.00	3734.64	78.50
827.00	652.00	3734.50	78.50
828.00	653.00	3734.40	78.50
829.00	654.00	3734.37	78.50
830.00	655.00	3734.19	78.52
831.00	656.00	3734.03	78.52
832.00	657.00	3733.87	78.52
833.00	658.00	3733.71	78.52
834.00	659.00	3733.58	78.52
835.00	660.00	3733.46	78.52
836.00	661.00	3733.32	78.52
837.00	662.00	3733.28	78.53
838.00	663.00	3733.09	78.53
839.00	664.00	3732.91	78.53
840.00	665.00	3732.77	78.54
841.00	666.00	3732.61	78.54
842.00	667.00	3732.32	78.55
843.00	668.00	3732.26	78.55
844.00	669.00	3732.18	78.55
845.00	670.00	3732.08	78.55
846.00	671.00	3732.05	78.56
847.00	672.00	3731.89	78.57
848.00	673.00	3731.73	78.57
849.00	674.00	3731.56	78.57
850.00	675.00	3731.45	78.57
851.00	676.00	3731.33	78.57
852.00	677.00	3731.21	78.57
853.00	678.00	3731.17	78.58
854.00	679.00	3730.96	78.58
855.00	680.00	3730.77	78.58
856.00	681.00	3730.60	78.59
857.00	682.00	3730.44	78.59
858.00	683.00	3730.30	78.59

859.00	684.00	3730.16	78.59
860.00	685.00	3730.04	78.59
861.00	686.00	3729.87	78.60
862.00	687.00	3729.68	78.60
863.00	688.00	3729.50	78.61
864.00	689.00	3729.37	78.61
865.00	690.00	3729.26	78.61
866.00	691.00	3729.13	78.61
867.00	692.00	3728.99	78.61
868.00	693.00	3728.99	78.62
869.00	694.00	3728.84	78.62
870.00	695.00	3728.79	78.62
871.00	696.00	3728.71	78.63
872.00	697.00	3728.63	78.63
873.00	698.00	3728.45	78.63
874.00	699.00	3728.39	78.63
875.00	700.00	3728.31	78.63
876.00	701.00	3728.15	78.63
877.00	702.00	3728.09	78.64
878.00	703.00	3728.02	78.64
879.00	704.00	3727.94	78.65
880.00	705.00	3727.86	78.65
881.00	706.00	3727.79	78.66
882.00	707.00	3727.71	78.65
883.00	708.00	3727.64	78.66
884.00	709.00	3727.58	78.66
885.00	710.00	3727.49	78.66
886.00	711.00	3727.44	78.66
887.00	712.00	3727.37	78.67
888.00	713.00	3727.30	78.67
889.00	714.00	3727.21	78.68
890.00	715.00	3727.03	78.67
891.00	716.00	3726.89	78.68
892.00	717.00	3726.79	78.68
893.00	718.00	3726.74	78.68
894.00	719.00	3726.55	78.68
895.00	720.00	3726.39	78.69
896.00	721.00	3726.23	78.69
897.00	722.00	3726.07	78.70
898.00	723.00	3725.95	78.70
899.00	724.00	3725.84	78.70
900.00	725.00	3725.71	78.70
901.00	726.00	3725.55	78.70
902.00	727.00	3725.39	78.70
903.00	728.00	3725.25	78.71
904.00	729.00	3725.14	78.71
905.00	730.00	3725.00	78.72

906.00	731.00	3724.85	78.71
907.00	732.00	3724.69	78.72
908.00	733.00	3724.55	78.72
909.00	734.00	3724.44	78.72
910.00	735.00	3724.41	78.72
911.00	736.00	3724.24	78.72
912.00	737.00	3724.09	78.73
913.00	738.00	3724.06	78.73
914.00	739.00	3723.88	78.73
915.00	740.00	3723.70	78.74
916.00	741.00	3723.55	78.74
917.00	742.00	3723.42	78.75
918.00	743.00	3723.28	78.74
919.00	744.00	3723.16	78.75
920.00	745.00	3723.04	78.75
921.00	746.00	3722.92	78.75
922.00	747.00	3722.89	78.76
923.00	748.00	3722.72	78.76
924.00	749.00	3722.57	78.77
925.00	750.00	3722.54	78.77
926.00	751.00	3722.41	78.77
927.00	752.00	3722.35	78.77
928.00	753.00	3722.28	78.77
929.00	754.00	3722.08	78.78
930.00	755.00	3721.93	78.77
931.00	756.00	3721.78	78.78
932.00	757.00	3721.66	78.78
933.00	758.00	3721.63	78.79
934.00	759.00	3721.48	78.78
935.00	760.00	3721.43	78.79
936.00	761.00	3721.25	78.79
937.00	762.00	3721.10	78.79
938.00	763.00	3720.95	78.79
939.00	764.00	3720.80	78.80
940.00	765.00	3720.78	78.80
941.00	766.00	3720.60	78.81
942.00	767.00	3720.56	78.81
943.00	768.00	3720.49	78.81
944.00	769.00	3720.30	78.81
945.00	770.00	3720.24	78.81
946.00	771.00	3720.03	78.81
947.00	772.00	3719.87	78.82
948.00	773.00	3719.74	78.82
949.00	774.00	3719.61	78.83
950.00	775.00	3719.60	78.82
951.00	776.00	3719.53	78.83
952.00	777.00	3719.36	78.83

953.00	778.00	3719.29	78.84
954.00	779.00	3719.09	78.84
955.00	780.00	3718.92	78.84
956.00	781.00	3718.78	78.84
957.00	782.00	3718.66	78.85
958.00	783.00	3718.55	78.84
959.00	784.00	3718.52	78.85
960.00	785.00	3718.46	78.85
961.00	786.00	3718.27	78.86
962.00	787.00	3718.22	78.86
963.00	788.00	3718.03	78.86
964.00	789.00	3717.88	78.86
965.00	790.00	3717.76	78.86
966.00	791.00	3717.74	78.86
967.00	792.00	3717.67	78.87
968.00	793.00	3717.48	78.87
969.00	794.00	3717.43	78.88
970.00	795.00	3717.26	78.88
971.00	796.00	3717.11	78.88
972.00	797.00	3717.07	78.88
973.00	798.00	3716.90	78.88
974.00	799.00	3716.75	78.88
975.00	800.00	3716.60	78.89
976.00	801.00	3716.49	78.89
977.00	802.00	3716.48	78.90
978.00	803.00	3716.41	78.89
979.00	804.00	3716.33	78.90
980.00	805.00	3716.25	78.90
981.00	806.00	3716.16	78.90
982.00	807.00	3715.96	78.90
983.00	808.00	3715.79	78.90
984.00	809.00	3715.74	78.91
985.00	810.00	3715.55	78.91
986.00	811.00	3715.40	78.91
987.00	812.00	3715.37	78.92
988.00	813.00	3715.24	78.92
989.00	814.00	3715.19	78.93
990.00	815.00	3715.14	78.92
991.00	816.00	3715.06	78.93
992.00	817.00	3714.97	78.93
993.00	818.00	3714.77	78.93
994.00	819.00	3714.60	78.94
995.00	820.00	3714.46	78.94
996.00	821.00	3714.33	78.94
997.00	822.00	3714.20	78.94
998.00	823.00	3714.08	78.95
999.00	824.00	3714.07	78.95

1000.00	825.00	3714.00	78.95
1001.00	826.00	3713.82	78.95
1002.00	827.00	3713.77	78.95
1003.00	828.00	3713.61	78.95
1004.00	829.00	3713.47	78.95
1005.00	830.00	3713.41	78.96
1006.00	831.00	3713.25	78.95
1007.00	832.00	3713.09	78.96
1008.00	833.00	3712.96	78.96
1009.00	834.00	3712.83	78.97
1010.00	835.00	3712.82	78.97
1011.00	836.00	3712.76	78.97
1012.00	837.00	3712.68	78.97
1013.00	838.00	3712.59	78.97
1014.00	839.00	3712.39	78.97
1015.00	840.00	3712.24	78.98
1016.00	841.00	3712.20	78.98
1017.00	842.00	3712.03	78.99
1018.00	843.00	3711.99	78.98
1019.00	844.00	3711.92	78.99
1020.00	845.00	3711.85	78.99
1021.00	846.00	3711.75	79.00
1022.00	847.00	3711.55	79.00
1023.00	848.00	3711.51	79.00
1024.00	849.00	3711.34	79.00
1025.00	850.00	3711.20	79.00
1026.00	851.00	3711.15	79.00
1027.00	852.00	3710.98	79.00
1028.00	853.00	3710.82	79.01
1029.00	854.00	3710.69	79.01
1030.00	855.00	3710.57	79.01
1031.00	856.00	3710.56	79.01
1032.00	857.00	3710.50	79.02
1033.00	858.00	3710.44	79.02
1034.00	859.00	3710.36	79.02
1035.00	860.00	3710.17	79.02
1036.00	861.00	3710.03	79.02
1037.00	862.00	3709.98	79.03
1038.00	863.00	3709.83	79.04
1039.00	864.00	3709.79	79.04
1040.00	865.00	3709.73	79.04
1041.00	866.00	3709.54	79.04
1042.00	867.00	3709.50	79.04
1043.00	868.00	3709.44	79.04
1044.00	869.00	3709.26	79.04
1045.00	870.00	3709.20	79.04
1046.00	871.00	3709.12	79.05

1047.00	872.00	3708.93	79.05
1048.00	873.00	3708.75	79.05
1049.00	874.00	3708.60	79.05
1050.00	875.00	3708.49	79.05
1051.00	876.00	3708.38	79.06
1052.00	877.00	3708.35	79.06
1053.00	878.00	3708.29	79.06
1054.00	879.00	3708.11	79.06
1055.00	880.00	3708.07	79.06
1056.00	881.00	3708.01	79.06
1057.00	882.00	3707.93	79.06
1058.00	883.00	3707.84	79.06
1059.00	884.00	3707.75	79.07
1060.00	885.00	3707.54	79.07
1061.00	886.00	3707.47	79.08
1062.00	887.00	3707.40	79.07
1063.00	888.00	3707.23	79.08
1064.00	889.00	3707.18	79.08
1065.00	890.00	3707.11	79.09
1066.00	891.00	3707.02	79.08
1067.00	892.00	3706.93	79.09
1068.00	893.00	3706.75	79.09
1069.00	894.00	3706.69	79.09
1070.00	895.00	3706.62	79.09
1071.00	896.00	3706.53	79.09
1072.00	897.00	3706.45	79.09
1073.00	898.00	3706.24	79.10
1074.00	899.00	3706.09	79.09
1075.00	900.00	3706.05	79.10
1076.00	901.00	3705.88	79.10
1077.00	902.00	3705.83	79.11
1078.00	903.00	3705.76	79.10
1079.00	904.00	3705.57	79.11
1080.00	905.00	3705.53	79.11
1081.00	906.00	3705.47	79.11
1082.00	907.00	3705.39	79.11
1083.00	908.00	3705.30	79.11
1084.00	909.00	3705.22	79.11
1085.00	910.00	3705.05	79.12
1086.00	911.00	3705.00	79.11
1087.00	912.00	3704.93	79.12
1088.00	913.00	3704.86	79.12
1089.00	914.00	3704.76	79.13
1090.00	915.00	3704.68	79.12
1091.00	916.00	3704.46	79.13
1092.00	917.00	3704.30	79.13
1093.00	918.00	3704.16	79.13

1094.00	919.00	3704.03	79.13
1095.00	920.00	3703.91	79.13
1096.00	921.00	3703.90	79.13
1097.00	922.00	3703.83	79.14
1098.00	923.00	3703.77	79.13
1099.00	924.00	3703.68	79.14
1100.00	925.00	3703.61	79.14
1101.00	926.00	3703.52	79.15
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1103.00	928.00	3703.35	79.15
1104.00	929.00	3703.25	79.15
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1106.00	931.00	3702.98	79.15
1107.00	932.00	3702.82	79.15
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1109.00	934.00	3702.70	79.16
1110.00	935.00	3702.63	79.15
1111.00	936.00	3702.53	79.16
1112.00	937.00	3702.35	79.16
1113.00	938.00	3702.29	79.17
1114.00	939.00	3702.22	79.16
1115.00	940.00	3702.01	79.17
1116.00	941.00	3701.96	79.17
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1120.00	945.00	3701.63	79.18
1121.00	946.00	3701.55	79.18
1122.00	947.00	3701.36	79.18
1123.00	948.00	3701.21	79.18
1124.00	949.00	3701.19	79.18
1125.00	950.00	3701.05	79.18
1126.00	951.00	3700.99	79.19
1127.00	952.00	3700.93	79.19
1128.00	953.00	3700.77	79.19
1129.00	954.00	3700.72	79.19
1130.00	955.00	3700.64	79.19
1131.00	956.00	3700.56	79.20
1132.00	957.00	3700.48	79.20
1133.00	958.00	3700.39	79.20
1134.00	959.00	3700.31	79.19
1135.00	960.00	3700.10	79.20
1136.00	961.00	3700.06	79.20
1137.00	962.00	3699.91	79.20
1138.00	963.00	3699.86	79.20
1139.00	964.00	3699.79	79.20
1140.00	965.00	3699.71	79.21

1141.00	966.00	3699.62	79.21
1142.00	967.00	3699.52	79.22
1143.00	968.00	3699.32	79.22
1144.00	969.00	3699.17	79.22
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1146.00	971.00	3699.08	79.22
1147.00	972.00	3698.99	79.22
1148.00	973.00	3698.90	79.22
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1150.00	975.00	3698.73	79.22
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1153.00	978.00	3698.48	79.23
1154.00	979.00	3698.38	79.24
1155.00	980.00	3698.20	79.24
1156.00	981.00	3698.15	79.24
1157.00	982.00	3698.08	79.24
1158.00	983.00	3698.01	79.23
1159.00	984.00	3697.91	79.24
1160.00	985.00	3697.73	79.24
1161.00	986.00	3697.67	79.25
1162.00	987.00	3697.50	79.24
1163.00	988.00	3697.41	79.25
1164.00	989.00	3697.37	79.25
1165.00	990.00	3697.30	79.25
1166.00	991.00	3697.21	79.26
1167.00	992.00	3697.03	79.26
1168.00	993.00	3696.89	79.26
1169.00	994.00	3696.87	79.26
1170.00	995.00	3696.80	79.27
1171.00	996.00	3696.72	79.27
1172.00	997.00	3696.63	79.27
1173.00	998.00	3696.55	79.27
1174.00	999.00	3696.47	79.26
1175.00	1000.00	3696.38	79.27
1176.00	1001.00	3696.29	79.27
1177.00	1002.00	3696.21	79.27
1178.00	1003.00	3696.13	79.27
1179.00	1004.00	3696.05	79.27
1180.00	1005.00	3695.96	79.27
1181.00	1006.00	3695.87	79.28
1182.00	1007.00	3695.80	79.27
1183.00	1008.00	3695.60	79.28
1184.00	1009.00	3695.55	79.28
1185.00	1010.00	3695.46	79.29
1186.00	1011.00	3695.39	79.29
1187.00	1012.00	3695.30	79.29

1188.00	1013.00	3695.22	79.29
1189.00	1014.00	3695.12	79.29
1190.00	1015.00	3694.94	79.29
1191.00	1016.00	3694.89	79.29
1192.00	1017.00	3694.82	79.29
1193.00	1018.00	3694.73	79.30
1194.00	1019.00	3694.66	79.29
1195.00	1020.00	3694.58	79.29
1196.00	1021.00	3694.48	79.29
1197.00	1022.00	3694.39	79.30
1198.00	1023.00	3694.29	79.31
1199.00	1024.00	3694.20	79.31
1200.00	1025.00	3694.10	79.31
1201.00	1026.00	3694.01	79.31
1202.00	1027.00	3693.92	79.31
1203.00	1028.00	3693.83	79.31
1204.00	1029.00	3693.73	79.31
1205.00	1030.00	3693.63	79.32
1206.00	1031.00	3693.55	79.31
1207.00	1032.00	3693.45	79.32
1208.00	1033.00	3693.36	79.32
1209.00	1034.00	3693.26	79.33
1210.00	1035.00	3693.20	79.32
1211.00	1036.00	3693.10	79.33
1212.00	1037.00	3693.02	79.33
1213.00	1038.00	3692.94	79.34
1214.00	1039.00	3692.85	79.33
1215.00	1040.00	3692.76	79.34
1216.00	1041.00	3692.66	79.34
1217.00	1042.00	3692.56	79.34
1218.00	1043.00	3692.48	79.34
1219.00	1044.00	3692.39	79.34
1220.00	1045.00	3692.30	79.34
1221.00	1046.00	3692.21	79.35
1222.00	1047.00	3692.13	79.34
1223.00	1048.00	3691.93	79.35
1224.00	1049.00	3691.89	79.35
1225.00	1050.00	3691.72	79.36
1226.00	1051.00	3691.68	79.35
1227.00	1052.00	3691.61	79.36
1228.00	1053.00	3691.56	79.36
1229.00	1054.00	3691.49	79.36
1230.00	1055.00	3691.42	79.36
1231.00	1056.00	3691.34	79.36
1232.00	1057.00	3691.16	79.36
1233.00	1058.00	3691.11	79.37
1234.00	1059.00	3691.05	79.36

1235.00	1060.00	3690.96	79.37
1236.00	1061.00	3690.88	79.37
1237.00	1062.00	3690.79	79.38
1238.00	1063.00	3690.70	79.37
1239.00	1064.00	3690.61	79.38
1240.00	1065.00	3690.52	79.38
1241.00	1066.00	3690.43	79.38
1242.00	1067.00	3690.33	79.39
1243.00	1068.00	3690.24	79.39
1244.00	1069.00	3690.17	79.39
1245.00	1070.00	3690.08	79.39
1246.00	1071.00	3690.00	79.38
1247.00	1072.00	3689.92	79.39
1248.00	1073.00	3689.85	79.39
1249.00	1074.00	3689.77	79.40
1250.00	1075.00	3689.69	79.39
1251.00	1076.00	3689.60	79.40
1252.00	1077.00	3689.41	79.40
1253.00	1078.00	3689.29	79.40
1254.00	1079.00	3689.25	79.40
1255.00	1080.00	3689.19	79.40
1256.00	1081.00	3689.13	79.40
1257.00	1082.00	3689.05	79.41
1258.00	1083.00	3688.99	79.40
1259.00	1084.00	3688.91	79.41
1260.00	1085.00	3688.84	79.41
1261.00	1086.00	3688.75	79.42
1262.00	1087.00	3688.67	79.42
1263.00	1088.00	3688.59	79.42
1264.00	1089.00	3688.50	79.43
1265.00	1090.00	3688.40	79.43
1266.00	1091.00	3688.31	79.43
1267.00	1092.00	3688.22	79.43
1268.00	1093.00	3688.15	79.43
1269.00	1094.00	3688.08	79.43
1270.00	1095.00	3687.99	79.44
1271.00	1096.00	3687.91	79.44
1272.00	1097.00	3687.74	79.44
1273.00	1098.00	3687.70	79.44
1274.00	1099.00	3687.62	79.45
1275.00	1100.00	3687.54	79.45
1276.00	1101.00	3687.46	79.45
1277.00	1102.00	3687.39	79.45
1278.00	1103.00	3687.31	79.45
1279.00	1104.00	3687.22	79.45
1280.00	1105.00	3687.15	79.45
1281.00	1106.00	3687.06	79.45

1282.00	1107.00	3686.90	79.45
1283.00	1108.00	3686.84	79.46
1284.00	1109.00	3686.77	79.46
1285.00	1110.00	3686.59	79.47
1286.00	1111.00	3686.54	79.47
1287.00	1112.00	3686.47	79.47
1288.00	1113.00	3686.39	79.47
1289.00	1114.00	3686.31	79.47
1290.00	1115.00	3686.24	79.47
1291.00	1116.00	3686.17	79.47
1292.00	1117.00	3686.10	79.47
1293.00	1118.00	3686.02	79.48
1294.00	1119.00	3685.94	79.48
1295.00	1120.00	3685.87	79.48
1296.00	1121.00	3685.78	79.48
1297.00	1122.00	3685.68	79.48
1298.00	1123.00	3685.60	79.48
1299.00	1124.00	3685.51	79.49
1300.00	1125.00	3685.43	79.49
1301.00	1126.00	3685.34	79.49
1302.00	1127.00	3685.25	79.49
1303.00	1128.00	3685.18	79.49
1304.00	1129.00	3685.10	79.49
1305.00	1130.00	3685.01	79.50
1306.00	1131.00	3684.94	79.49
1307.00	1132.00	3684.85	79.50
1308.00	1133.00	3684.77	79.50
1309.00	1134.00	3684.68	79.51
1310.00	1135.00	3684.60	79.50
1311.00	1136.00	3684.51	79.51
1312.00	1137.00	3684.43	79.51
1313.00	1138.00	3684.33	79.52
1314.00	1139.00	3684.14	79.52
1315.00	1140.00	3684.11	79.52
1316.00	1141.00	3684.06	79.52
1317.00	1142.00	3683.97	79.53
1318.00	1143.00	3683.90	79.52
1319.00	1144.00	3683.82	79.53
1320.00	1145.00	3683.75	79.53
1321.00	1146.00	3683.57	79.54
1322.00	1147.00	3683.53	79.53
1323.00	1148.00	3683.46	79.54
1324.00	1149.00	3683.40	79.54
1325.00	1150.00	3683.33	79.54
1326.00	1151.00	3683.27	79.54
1327.00	1152.00	3683.19	79.54
1328.00	1153.00	3683.11	79.55

1329.00	1154.00	3683.03	79.55
1330.00	1155.00	3682.96	79.55
1331.00	1156.00	3682.88	79.55
1332.00	1157.00	3682.79	79.56
1333.00	1158.00	3682.72	79.56
1334.00	1159.00	3682.65	79.56
1335.00	1160.00	3682.58	79.56
1336.00	1161.00	3682.50	79.56
1337.00	1162.00	3682.41	79.57
1338.00	1163.00	3682.32	79.58
1339.00	1164.00	3682.24	79.58
1340.00	1165.00	3682.16	79.58
1341.00	1166.00	3682.08	79.58
1342.00	1167.00	3682.00	79.57
1343.00	1168.00	3681.92	79.58
1344.00	1169.00	3681.84	79.58
1345.00	1170.00	3681.75	79.59
1346.00	1171.00	3681.67	79.59
1347.00	1172.00	3681.58	79.59
1348.00	1173.00	3681.49	79.59
1349.00	1174.00	3681.40	79.60
1350.00	1175.00	3681.24	79.59
1351.00	1176.00	3681.19	79.60
1352.00	1177.00	3681.13	79.60
1353.00	1178.00	3681.05	79.61
1354.00	1179.00	3680.98	79.60
1355.00	1180.00	3680.92	79.60
1356.00	1181.00	3680.83	79.61
1357.00	1182.00	3680.75	79.61
1358.00	1183.00	3680.67	79.61
1359.00	1184.00	3680.60	79.61
1360.00	1185.00	3680.52	79.61
1361.00	1186.00	3680.45	79.61
1362.00	1187.00	3680.37	79.61
1363.00	1188.00	3680.21	79.62
1364.00	1189.00	3680.16	79.62
1365.00	1190.00	3680.10	79.63
1366.00	1191.00	3680.06	79.61
1367.00	1192.00	3679.97	79.62
1368.00	1193.00	3679.80	79.62
1369.00	1194.00	3679.75	79.63
1370.00	1195.00	3679.68	79.63
1371.00	1196.00	3679.60	79.63
1372.00	1197.00	3679.52	79.63
1373.00	1198.00	3679.46	79.63
1374.00	1199.00	3679.38	79.63
1375.00	1200.00	3679.30	79.64

1376.00	1201.00	3679.23	79.64
1377.00	1202.00	3679.15	79.65
1378.00	1203.00	3679.09	79.63
1379.00	1204.00	3679.00	79.64
1380.00	1205.00	3678.93	79.64
1381.00	1206.00	3678.85	79.65
1382.00	1207.00	3678.79	79.64
1383.00	1208.00	3678.72	79.65
1384.00	1209.00	3678.65	79.65
1385.00	1210.00	3678.57	79.65
1386.00	1211.00	3678.49	79.65
1387.00	1212.00	3678.41	79.65
1388.00	1213.00	3678.32	79.65
1389.00	1214.00	3678.23	79.66
1390.00	1215.00	3678.17	79.65
1391.00	1216.00	3678.09	79.66
1392.00	1217.00	3678.03	79.66
1393.00	1218.00	3677.95	79.67
1394.00	1219.00	3677.79	79.67
1395.00	1220.00	3677.76	79.68
1396.00	1221.00	3677.69	79.68
1397.00	1222.00	3677.61	79.68
1398.00	1223.00	3677.54	79.67
1399.00	1224.00	3677.47	79.68
1400.00	1225.00	3677.41	79.68
1401.00	1226.00	3677.33	79.68
1402.00	1227.00	3677.26	79.69
1403.00	1228.00	3677.19	79.69
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1406.00	1231.00	3676.96	79.68
1407.00	1232.00	3676.77	79.69
1408.00	1233.00	3676.72	79.69
1409.00	1234.00	3676.65	79.70
1410.00	1235.00	3676.58	79.69
1411.00	1236.00	3676.49	79.70
1412.00	1237.00	3676.42	79.70
1413.00	1238.00	3676.34	79.70
1414.00	1239.00	3676.26	79.70
1415.00	1240.00	3676.19	79.70
1416.00	1241.00	3676.12	79.70
1417.00	1242.00	3676.02	79.71
1418.00	1243.00	3675.95	79.70
1419.00	1244.00	3675.86	79.71
1420.00	1245.00	3675.79	79.71
1421.00	1246.00	3675.71	79.72
1422.00	1247.00	3675.64	79.72

1423.00	1248.00	3675.58	79.72
1424.00	1249.00	3675.51	79.72
1425.00	1250.00	3675.44	79.72
1426.00	1251.00	3675.37	79.72
1427.00	1252.00	3675.28	79.72
1428.00	1253.00	3675.22	79.72
1429.00	1254.00	3675.14	79.73
1430.00	1255.00	3675.06	79.74
1431.00	1256.00	3675.00	79.74
1432.00	1257.00	3674.93	79.74
1433.00	1258.00	3674.87	79.74
1434.00	1259.00	3674.79	79.74
1435.00	1260.00	3674.71	79.74
1436.00	1261.00	3674.63	79.74
1437.00	1262.00	3674.54	79.74
1438.00	1263.00	3674.45	79.75
1439.00	1264.00	3674.38	79.75
1440.00	1265.00	3674.31	79.75
1441.00	1266.00	3674.24	79.75
1442.00	1267.00	3674.18	79.74
1443.00	1268.00	3674.09	79.75
1444.00	1269.00	3674.02	79.75
1445.00	1270.00	3673.95	79.76
1446.00	1271.00	3673.88	79.76
1447.00	1272.00	3673.81	79.77
1448.00	1273.00	3673.74	79.77
1449.00	1274.00	3673.67	79.77
1450.00	1275.00	3673.50	79.77
1451.00	1276.00	3673.46	79.77
1452.00	1277.00	3673.40	79.77
1453.00	1278.00	3673.33	79.77
1454.00	1279.00	3673.26	79.77
1455.00	1280.00	3673.17	79.78
1456.00	1281.00	3673.10	79.78
1457.00	1282.00	3673.01	79.79
1458.00	1283.00	3672.96	79.77
1459.00	1284.00	3672.88	79.78
1460.00	1285.00	3672.82	79.78
1461.00	1286.00	3672.76	79.79
1462.00	1287.00	3672.70	79.79
1463.00	1288.00	3672.64	79.79
1464.00	1289.00	3672.57	79.79
1465.00	1290.00	3672.50	79.79
1466.00	1291.00	3672.43	79.79
1467.00	1292.00	3672.34	79.80
1468.00	1293.00	3672.27	79.80
1469.00	1294.00	3672.19	79.81

1470.00	1295.00	3672.13	79.81
1471.00	1296.00	3672.05	79.81
1472.00	1297.00	3671.98	79.81
1473.00	1298.00	3671.91	79.81
1474.00	1299.00	3671.85	79.80
1475.00	1300.00	3671.77	79.81
1476.00	1301.00	3671.69	79.81
1477.00	1302.00	3671.64	79.81
1478.00	1303.00	3671.55	79.82
1479.00	1304.00	3671.48	79.82
1480.00	1305.00	3671.33	79.82
1481.00	1306.00	3671.28	79.82
1482.00	1307.00	3671.22	79.83
1483.00	1308.00	3671.15	79.83
1484.00	1309.00	3671.08	79.83
1485.00	1310.00	3671.00	79.83
1486.00	1311.00	3670.93	79.82
1487.00	1312.00	3670.84	79.83
1488.00	1313.00	3670.75	79.83
1489.00	1314.00	3670.67	79.84
1490.00	1315.00	3670.59	79.84
1491.00	1316.00	3670.53	79.84
1492.00	1317.00	3670.45	79.84
1493.00	1318.00	3670.38	79.84
1494.00	1319.00	3670.32	79.84
1495.00	1320.00	3670.25	79.84
1496.00	1321.00	3670.18	79.84
1497.00	1322.00	3670.09	79.85
1498.00	1323.00	3670.02	79.86
1499.00	1324.00	3669.96	79.86
1500.00	1325.00	3669.89	79.86
1501.00	1326.00	3669.82	79.86
1502.00	1327.00	3669.77	79.85
1503.00	1328.00	3669.71	79.86
1504.00	1329.00	3669.64	79.86
1505.00	1330.00	3669.58	79.86
1506.00	1331.00	3669.51	79.86
1507.00	1332.00	3669.44	79.86
1508.00	1333.00	3669.37	79.86
1509.00	1334.00	3669.27	79.87
1510.00	1335.00	3669.10	79.86
1511.00	1336.00	3669.04	79.87
1512.00	1337.00	3668.99	79.87
1513.00	1338.00	3668.91	79.88
1514.00	1339.00	3668.86	79.87
1515.00	1340.00	3668.80	79.88
1516.00	1341.00	3668.75	79.88

1517.00	1342.00	3668.68	79.88
1518.00	1343.00	3668.61	79.88
1519.00	1344.00	3668.54	79.88
1520.00	1345.00	3668.47	79.88
1521.00	1346.00	3668.39	79.89
1522.00	1347.00	3668.32	79.88
1523.00	1348.00	3668.25	79.89
1524.00	1349.00	3668.18	79.89
1525.00	1350.00	3668.10	79.90
1526.00	1351.00	3668.05	79.89
1527.00	1352.00	3667.97	79.90
1528.00	1353.00	3667.90	79.90
1529.00	1354.00	3667.83	79.90
1530.00	1355.00	3667.76	79.90
1531.00	1356.00	3667.70	79.90
1532.00	1357.00	3667.63	79.90
1533.00	1358.00	3667.56	79.91
1534.00	1359.00	3667.50	79.90
1535.00	1360.00	3667.44	79.91
1536.00	1361.00	3667.37	79.91
1537.00	1362.00	3667.30	79.92
1538.00	1363.00	3667.23	79.93
1539.00	1364.00	3667.17	79.93
1540.00	1365.00	3667.12	79.93
1541.00	1366.00	3667.05	79.93
1542.00	1367.00	3666.98	79.92
1543.00	1368.00	3666.90	79.93
1544.00	1369.00	3666.83	79.93
1545.00	1370.00	3666.75	79.93
1546.00	1371.00	3666.67	79.93
1547.00	1372.00	3666.59	79.93
1548.00	1373.00	3666.53	79.93
1549.00	1374.00	3666.45	79.94
1550.00	1375.00	3666.39	79.93
1551.00	1376.00	3666.31	79.94
1552.00	1377.00	3666.25	79.94
1553.00	1378.00	3666.17	79.95
1554.00	1379.00	3666.13	79.94
1555.00	1380.00	3666.05	79.94
1556.00	1381.00	3665.98	79.95
1557.00	1382.00	3665.91	79.95
1558.00	1383.00	3665.83	79.95
1559.00	1384.00	3665.75	79.95
1560.00	1385.00	3665.69	79.95
1561.00	1386.00	3665.62	79.95
1562.00	1387.00	3665.55	79.96
1563.00	1388.00	3665.49	79.96

1564.00	1389.00	3665.42	79.96
1565.00	1390.00	3665.36	79.96
1566.00	1391.00	3665.29	79.97
1567.00	1392.00	3665.24	79.97
1568.00	1393.00	3665.18	79.97
1569.00	1394.00	3665.13	79.97
1570.00	1395.00	3665.06	79.97
1571.00	1396.00	3664.98	79.97
1572.00	1397.00	3664.90	79.97
1573.00	1398.00	3664.82	79.97
1574.00	1399.00	3664.75	79.97
1575.00	1400.00	3664.68	79.97
1576.00	1401.00	3664.62	79.97
1577.00	1402.00	3664.54	79.98
1578.00	1403.00	3664.48	79.98
1579.00	1404.00	3664.41	79.98
1580.00	1405.00	3664.33	79.98
1581.00	1406.00	3664.25	79.98
1582.00	1407.00	3664.17	79.99
1583.00	1408.00	3664.10	79.99
1584.00	1409.00	3664.02	79.99
1585.00	1410.00	3663.96	79.99
1586.00	1411.00	3663.90	79.98
1587.00	1412.00	3663.84	79.99
1588.00	1413.00	3663.77	79.99
1589.00	1414.00	3663.70	79.99
1590.00	1415.00	3663.62	79.99
1591.00	1416.00	3663.55	79.99
1592.00	1417.00	3663.48	79.99
1593.00	1418.00	3663.40	79.99
1594.00	1419.00	3663.32	79.99
1595.00	1420.00	3663.25	80.00
1596.00	1421.00	3663.19	80.00
1597.00	1422.00	3663.11	80.01
1598.00	1423.00	3663.05	80.00
1599.00	1424.00	3662.98	80.01
1600.00	1425.00	3662.92	80.01
1601.00	1426.00	3662.85	80.02
1602.00	1427.00	3662.79	80.01
1603.00	1428.00	3662.72	80.02
1604.00	1429.00	3662.65	80.02
1605.00	1430.00	3662.58	80.02
1606.00	1431.00	3662.51	80.02
1607.00	1432.00	3662.45	80.02
1608.00	1433.00	3662.38	80.02
1609.00	1434.00	3662.33	80.02
1610.00	1435.00	3662.26	80.02

1611.00	1436.00	3662.19	80.03
1612.00	1437.00	3662.13	80.03
1613.00	1438.00	3662.06	80.04
1614.00	1439.00	3662.00	80.03
1615.00	1440.00	3661.94	80.04
1616.00	1441.00	3661.86	80.04
1617.00	1442.00	3661.80	80.04
1618.00	1443.00	3661.73	80.04
1619.00	1444.00	3661.67	80.04
1620.00	1445.00	3661.60	80.04
1621.00	1446.00	3661.52	80.05
1622.00	1447.00	3661.47	80.04
1623.00	1448.00	3661.38	80.05
1624.00	1449.00	3661.30	80.05
1625.00	1450.00	3661.22	80.06
1626.00	1451.00	3661.17	80.05
1627.00	1452.00	3661.09	80.06
1628.00	1453.00	3661.03	80.06
1629.00	1454.00	3660.97	80.06
1630.00	1455.00	3660.91	80.06
1631.00	1456.00	3660.84	80.06
1632.00	1457.00	3660.79	80.06
1633.00	1458.00	3660.70	80.07
1634.00	1459.00	3660.65	80.06
1635.00	1460.00	3660.57	80.07
1636.00	1461.00	3660.51	80.07
1637.00	1462.00	3660.43	80.08
1638.00	1463.00	3660.36	80.09
1639.00	1464.00	3660.30	80.09
1640.00	1465.00	3660.24	80.09
1641.00	1466.00	3660.17	80.09
1642.00	1467.00	3660.11	80.09
1643.00	1468.00	3660.05	80.09
1644.00	1469.00	3659.97	80.09
1645.00	1470.00	3659.89	80.09
1646.00	1471.00	3659.83	80.09
1647.00	1472.00	3659.76	80.10
1648.00	1473.00	3659.69	80.10
1649.00	1474.00	3659.61	80.11
1650.00	1475.00	3659.56	80.10
1651.00	1476.00	3659.48	80.11
1652.00	1477.00	3659.42	80.11
1653.00	1478.00	3659.36	80.11
1654.00	1479.00	3659.30	80.11
1655.00	1480.00	3659.24	80.11
1656.00	1481.00	3659.18	80.11
1657.00	1482.00	3659.10	80.12

1658.00	1483.00	3659.03	80.12
1659.00	1484.00	3658.95	80.13
1660.00	1485.00	3658.88	80.13
1661.00	1486.00	3658.80	80.13
1662.00	1487.00	3658.73	80.13
1663.00	1488.00	3658.67	80.13
1664.00	1489.00	3658.60	80.13
1665.00	1490.00	3658.54	80.14
1666.00	1491.00	3658.48	80.14
1667.00	1492.00	3658.42	80.14
1668.00	1493.00	3658.37	80.14
1669.00	1494.00	3658.29	80.14
1670.00	1495.00	3658.21	80.15
1671.00	1496.00	3658.13	80.15
1672.00	1497.00	3658.06	80.15
1673.00	1498.00	3658.00	80.14
1674.00	1499.00	3657.93	80.15
1675.00	1500.00	3657.87	80.15
1676.00	1501.00	3657.83	80.15
1677.00	1502.00	3657.77	80.16
1678.00	1503.00	3657.72	80.16
1679.00	1504.00	3657.66	80.17
1680.00	1505.00	3657.60	80.17
1681.00	1506.00	3657.52	80.18
1682.00	1507.00	3657.47	80.18
1683.00	1508.00	3657.40	80.18
1684.00	1509.00	3657.34	80.18
1685.00	1510.00	3657.27	80.18
1686.00	1511.00	3657.20	80.18
1687.00	1512.00	3657.12	80.18
1688.00	1513.00	3657.04	80.18
1689.00	1514.00	3656.96	80.18
1690.00	1515.00	3656.91	80.18
1691.00	1516.00	3656.84	80.19
1692.00	1517.00	3656.78	80.19
1693.00	1518.00	3656.71	80.20
1694.00	1519.00	3656.66	80.20
1695.00	1520.00	3656.60	80.20
1696.00	1521.00	3656.53	80.20
1697.00	1522.00	3656.47	80.20
1698.00	1523.00	3656.42	80.19
1699.00	1524.00	3656.34	80.20
1700.00	1525.00	3656.27	80.20
1701.00	1526.00	3656.20	80.20
1702.00	1527.00	3656.14	80.20
1703.00	1528.00	3656.07	80.21
1704.00	1529.00	3656.01	80.21

1705.00	1530.00	3655.93	80.22
1706.00	1531.00	3655.88	80.21
1707.00	1532.00	3655.82	80.22
1708.00	1533.00	3655.77	80.22
1709.00	1534.00	3655.72	80.22
1710.00	1535.00	3655.66	80.22
1711.00	1536.00	3655.62	80.22
1712.00	1537.00	3655.56	80.22
1713.00	1538.00	3655.48	80.23
1714.00	1539.00	3655.39	80.24
1715.00	1540.00	3655.32	80.24
1716.00	1541.00	3655.25	80.24
1717.00	1542.00	3655.17	80.24
1718.00	1543.00	3655.10	80.24
1719.00	1544.00	3655.04	80.24
1720.00	1545.00	3654.99	80.25
1721.00	1546.00	3654.92	80.25
1722.00	1547.00	3654.86	80.25
1723.00	1548.00	3654.80	80.25
1724.00	1549.00	3654.74	80.25
1725.00	1550.00	3654.69	80.25
1726.00	1551.00	3654.63	80.26
1727.00	1552.00	3654.57	80.26
1728.00	1553.00	3654.50	80.26
1729.00	1554.00	3654.44	80.26
1730.00	1555.00	3654.36	80.27
1731.00	1556.00	3654.30	80.27
1732.00	1557.00	3654.23	80.27
1733.00	1558.00	3654.17	80.27
1734.00	1559.00	3654.12	80.27
1735.00	1560.00	3654.05	80.27
1736.00	1561.00	3653.98	80.27
1737.00	1562.00	3653.90	80.28
1738.00	1563.00	3653.83	80.28
1739.00	1564.00	3653.76	80.28
1740.00	1565.00	3653.70	80.28
1741.00	1566.00	3653.65	80.28
1742.00	1567.00	3653.59	80.29
1743.00	1568.00	3653.54	80.29
1744.00	1569.00	3653.49	80.29
1745.00	1570.00	3653.44	80.29
1746.00	1571.00	3653.39	80.29
1747.00	1572.00	3653.32	80.29
1748.00	1573.00	3653.26	80.29
1749.00	1574.00	3653.19	80.30
1750.00	1575.00	3653.14	80.30
1751.00	1576.00	3653.09	80.30

1752.00	1577.00	3653.03	80.30
1753.00	1578.00	3652.97	80.30
1754.00	1579.00	3652.90	80.31
1755.00	1580.00	3652.81	80.31
1756.00	1581.00	3652.74	80.31
1757.00	1582.00	3652.66	80.31
1758.00	1583.00	3652.57	80.32
1759.00	1584.00	3652.49	80.32
1760.00	1585.00	3652.43	80.32
1761.00	1586.00	3652.36	80.32
1762.00	1587.00	3652.31	80.31
1763.00	1588.00	3652.23	80.32
1764.00	1589.00	3652.17	80.32
1765.00	1590.00	3652.10	80.33
1766.00	1591.00	3652.06	80.32
1767.00	1592.00	3651.99	80.33
1768.00	1593.00	3651.94	80.33
1769.00	1594.00	3651.89	80.34
1770.00	1595.00	3651.84	80.34
1771.00	1596.00	3651.79	80.34
1772.00	1597.00	3651.73	80.34
1773.00	1598.00	3651.67	80.34
1774.00	1599.00	3651.59	80.35
1775.00	1600.00	3651.54	80.34
1776.00	1601.00	3651.47	80.34
1777.00	1602.00	3651.43	80.34
1778.00	1603.00	3651.35	80.35
1779.00	1604.00	3651.30	80.35
1780.00	1605.00	3651.24	80.35
1781.00	1606.00	3651.18	80.35
1782.00	1607.00	3651.12	80.35
1783.00	1608.00	3651.04	80.36
1784.00	1609.00	3650.98	80.36
1785.00	1610.00	3650.93	80.36
1786.00	1611.00	3650.87	80.36
1787.00	1612.00	3650.82	80.36
1788.00	1613.00	3650.77	80.36
1789.00	1614.00	3650.71	80.36
1790.00	1615.00	3650.64	80.36
1791.00	1616.00	3650.57	80.37
1792.00	1617.00	3650.50	80.37
1793.00	1618.00	3650.42	80.38
1794.00	1619.00	3650.36	80.37
1795.00	1620.00	3650.29	80.38
1796.00	1621.00	3650.22	80.38
1797.00	1622.00	3650.15	80.38
1798.00	1623.00	3650.09	80.38

1799.00	1624.00	3650.03	80.38
1800.00	1625.00	3649.97	80.38
1801.00	1626.00	3649.91	80.38
1802.00	1627.00	3649.84	80.39
1803.00	1628.00	3649.79	80.39
1804.00	1629.00	3649.74	80.39
1805.00	1630.00	3649.67	80.39
1806.00	1631.00	3649.61	80.38
1807.00	1632.00	3649.55	80.39
1808.00	1633.00	3649.49	80.39
1809.00	1634.00	3649.42	80.40
1810.00	1635.00	3649.38	80.39
1811.00	1636.00	3649.33	80.40
1812.00	1637.00	3649.28	80.40
1813.00	1638.00	3649.22	80.40
1814.00	1639.00	3649.16	80.40
1815.00	1640.00	3649.09	80.40
1816.00	1641.00	3649.03	80.40
1817.00	1642.00	3648.96	80.41
1818.00	1643.00	3648.91	80.41
1819.00	1644.00	3648.85	80.41
1820.00	1645.00	3648.80	80.41
1821.00	1646.00	3648.75	80.41
1822.00	1647.00	3648.68	80.42
1823.00	1648.00	3648.63	80.42
1824.00	1649.00	3648.55	80.42
1825.00	1650.00	3648.49	80.42
1826.00	1651.00	3648.41	80.43
1827.00	1652.00	3648.36	80.43
1828.00	1653.00	3648.30	80.43
1829.00	1654.00	3648.24	80.43
1830.00	1655.00	3648.19	80.43
1831.00	1656.00	3648.14	80.43
1832.00	1657.00	3648.08	80.43
1833.00	1658.00	3648.01	80.43
1834.00	1659.00	3647.94	80.43
1835.00	1660.00	3647.88	80.43
1836.00	1661.00	3647.82	80.43
1837.00	1662.00	3647.76	80.44
1838.00	1663.00	3647.69	80.45
1839.00	1664.00	3647.63	80.45
1840.00	1665.00	3647.57	80.45
1841.00	1666.00	3647.49	80.45
1842.00	1667.00	3647.43	80.45
1843.00	1668.00	3647.37	80.45
1844.00	1669.00	3647.32	80.45
1845.00	1670.00	3647.28	80.45

1846.00	1671.00	3647.23	80.45
1847.00	1672.00	3647.20	80.45
1848.00	1673.00	3647.15	80.45
1849.00	1674.00	3647.07	80.46
1850.00	1675.00	3647.01	80.45
1851.00	1676.00	3646.93	80.46
1852.00	1677.00	3646.85	80.46
1853.00	1678.00	3646.77	80.47
1854.00	1679.00	3646.72	80.46
1855.00	1680.00	3646.66	80.47
1856.00	1681.00	3646.60	80.47
1857.00	1682.00	3646.55	80.47
1858.00	1683.00	3646.51	80.47
1859.00	1684.00	3646.47	80.47
1860.00	1685.00	3646.42	80.47
1861.00	1686.00	3646.37	80.47
1862.00	1687.00	3646.31	80.47
1863.00	1688.00	3646.17	80.47
1864.00	1689.00	3646.14	80.47
1865.00	1690.00	3646.09	80.48
1866.00	1691.00	3646.03	80.49
1867.00	1692.00	3645.99	80.49
1868.00	1693.00	3645.95	80.49
1869.00	1694.00	3645.89	80.49
1870.00	1695.00	3645.84	80.48
1871.00	1696.00	3645.77	80.49
1872.00	1697.00	3645.72	80.49
1873.00	1698.00	3645.67	80.50
1874.00	1699.00	3645.62	80.49
1875.00	1700.00	3645.58	80.50
1876.00	1701.00	3645.52	80.50
1877.00	1702.00	3645.44	80.50
1878.00	1703.00	3645.37	80.50
1879.00	1704.00	3645.31	80.50
1880.00	1705.00	3645.24	80.50
1881.00	1706.00	3645.18	80.50
1882.00	1707.00	3645.12	80.51
1883.00	1708.00	3645.06	80.51
1884.00	1709.00	3645.01	80.51
1885.00	1710.00	3644.96	80.51
1886.00	1711.00	3644.88	80.52
1887.00	1712.00	3644.82	80.52
1888.00	1713.00	3644.75	80.52
1889.00	1714.00	3644.69	80.52
1890.00	1715.00	3644.63	80.51
1891.00	1716.00	3644.56	80.52
1892.00	1717.00	3644.50	80.52

1893.00	1718.00	3644.45	80.52
1894.00	1719.00	3644.39	80.52
1895.00	1720.00	3644.34	80.52
1896.00	1721.00	3644.29	80.52
1897.00	1722.00	3644.24	80.52
1898.00	1723.00	3644.19	80.52
1899.00	1724.00	3644.13	80.52
1900.00	1725.00	3644.07	80.53
1901.00	1726.00	3644.01	80.53
1902.00	1727.00	3643.96	80.52
1903.00	1728.00	3643.89	80.53
1904.00	1729.00	3643.83	80.53
1905.00	1730.00	3643.78	80.54
1906.00	1731.00	3643.73	80.54
1907.00	1732.00	3643.68	80.54
1908.00	1733.00	3643.64	80.54
1909.00	1734.00	3643.59	80.54
1910.00	1735.00	3643.54	80.54
1911.00	1736.00	3643.48	80.54
1912.00	1737.00	3643.40	80.54
1913.00	1738.00	3643.31	80.55
1914.00	1739.00	3643.25	80.54
1915.00	1740.00	3643.18	80.55
1916.00	1741.00	3643.13	80.55
1917.00	1742.00	3643.07	80.56
1918.00	1743.00	3643.04	80.54
1919.00	1744.00	3642.99	80.55
1920.00	1745.00	3642.94	80.55
1921.00	1746.00	3642.87	80.56
1922.00	1747.00	3642.82	80.56
1923.00	1748.00	3642.77	80.56
1924.00	1749.00	3642.72	80.56
1925.00	1750.00	3642.67	80.56
1926.00	1751.00	3642.63	80.56
1927.00	1752.00	3642.58	80.56
1928.00	1753.00	3642.52	80.56
1929.00	1754.00	3642.45	80.57
1930.00	1755.00	3642.40	80.57
1931.00	1756.00	3642.34	80.57
1932.00	1757.00	3642.27	80.57
1933.00	1758.00	3642.21	80.57
1934.00	1759.00	3642.14	80.58
1935.00	1760.00	3642.08	80.58
1936.00	1761.00	3642.02	80.58
1937.00	1762.00	3641.97	80.58
1938.00	1763.00	3641.91	80.58
1939.00	1764.00	3641.86	80.59

1940.00	1765.00	3641.81	80.59
1941.00	1766.00	3641.77	80.59
1942.00	1767.00	3641.71	80.59
1943.00	1768.00	3641.66	80.59
1944.00	1769.00	3641.61	80.59
1945.00	1770.00	3641.56	80.59
1946.00	1771.00	3641.50	80.60
1947.00	1772.00	3641.46	80.60
1948.00	1773.00	3641.42	80.60
1949.00	1774.00	3641.37	80.60
1950.00	1775.00	3641.33	80.59
1951.00	1776.00	3641.26	80.60
1952.00	1777.00	3641.20	80.60
1953.00	1778.00	3641.12	80.61
1954.00	1779.00	3641.04	80.61
1955.00	1780.00	3640.97	80.61
1956.00	1781.00	3640.89	80.61
1957.00	1782.00	3640.83	80.61
1958.00	1783.00	3640.78	80.60
1959.00	1784.00	3640.72	80.61
1960.00	1785.00	3640.67	80.61
1961.00	1786.00	3640.62	80.61
1962.00	1787.00	3640.57	80.61
1963.00	1788.00	3640.53	80.61
1964.00	1789.00	3640.48	80.61
1965.00	1790.00	3640.41	80.62
1966.00	1791.00	3640.35	80.61
1967.00	1792.00	3640.28	80.62
1968.00	1793.00	3640.21	80.62
1969.00	1794.00	3640.13	80.63
1970.00	1795.00	3640.07	80.62
1971.00	1796.00	3640.00	80.63
1972.00	1797.00	3639.97	80.63
1973.00	1798.00	3639.92	80.63
1974.00	1799.00	3639.88	80.63
1975.00	1800.00	3639.84	80.63
1976.00	1801.00	3639.79	80.63
1977.00	1802.00	3639.74	80.63
1978.00	1803.00	3639.67	80.64
1979.00	1804.00	3639.61	80.64
1980.00	1805.00	3639.55	80.64
1981.00	1806.00	3639.49	80.64
1982.00	1807.00	3639.42	80.64
1983.00	1808.00	3639.35	80.65
1984.00	1809.00	3639.29	80.65
1985.00	1810.00	3639.23	80.66
1986.00	1811.00	3639.18	80.66

1987.00	1812.00	3639.13	80.66
1988.00	1813.00	3639.08	80.66
1989.00	1814.00	3639.03	80.66
1990.00	1815.00	3638.98	80.65
1991.00	1816.00	3638.93	80.66
1992.00	1817.00	3638.88	80.66
1993.00	1818.00	3638.82	80.66
1994.00	1819.00	3638.78	80.66
1995.00	1820.00	3638.70	80.66
1996.00	1821.00	3638.65	80.66
1997.00	1822.00	3638.58	80.67
1998.00	1823.00	3638.54	80.66
1999.00	1824.00	3638.48	80.67
2000.00	1825.00	3638.43	80.67
2001.00	1826.00	3638.40	80.68
2002.00	1827.00	3638.35	80.68
2003.00	1828.00	3638.30	80.68
2004.00	1829.00	3638.24	80.68
2005.00	1830.00	3638.17	80.68
2006.00	1831.00	3638.11	80.68
2007.00	1832.00	3638.04	80.68
2008.00	1833.00	3637.98	80.68
2009.00	1834.00	3637.94	80.68
2010.00	1835.00	3637.89	80.68
2011.00	1836.00	3637.84	80.68
2012.00	1837.00	3637.78	80.69
2013.00	1838.00	3637.72	80.69
2014.00	1839.00	3637.64	80.70
2015.00	1840.00	3637.59	80.70
2016.00	1841.00	3637.54	80.70
2017.00	1842.00	3637.48	80.70
2018.00	1843.00	3637.44	80.69
2019.00	1844.00	3637.38	80.70
2020.00	1845.00	3637.33	80.70
2021.00	1846.00	3637.27	80.70
2022.00	1847.00	3637.22	80.70
2023.00	1848.00	3637.17	80.70
2024.00	1849.00	3637.13	80.70
2025.00	1850.00	3637.07	80.71
2026.00	1851.00	3637.03	80.70
2027.00	1852.00	3636.98	80.71
2028.00	1853.00	3636.93	80.71
2029.00	1854.00	3636.86	80.72
2030.00	1855.00	3636.81	80.72
2031.00	1856.00	3636.75	80.72
2032.00	1857.00	3636.70	80.72
2033.00	1858.00	3636.64	80.72

2034.00	1859.00	3636.59	80.71
2035.00	1860.00	3636.53	80.72
2036.00	1861.00	3636.47	80.72
2037.00	1862.00	3636.41	80.72
2038.00	1863.00	3636.35	80.73
2039.00	1864.00	3636.32	80.72
2040.00	1865.00	3636.27	80.72
2041.00	1866.00	3636.22	80.72
2042.00	1867.00	3636.16	80.73
2043.00	1868.00	3636.11	80.73
2044.00	1869.00	3636.06	80.73
2045.00	1870.00	3636.01	80.73
2046.00	1871.00	3635.96	80.73
2047.00	1872.00	3635.90	80.73
2048.00	1873.00	3635.82	80.74
2049.00	1874.00	3635.77	80.74
2050.00	1875.00	3635.72	80.73
2051.00	1876.00	3635.65	80.74
2052.00	1877.00	3635.60	80.74
2053.00	1878.00	3635.56	80.75
2054.00	1879.00	3635.52	80.74
2055.00	1880.00	3635.46	80.75
2056.00	1881.00	3635.42	80.75
2057.00	1882.00	3635.37	80.75
2058.00	1883.00	3635.31	80.75
2059.00	1884.00	3635.25	80.75
2060.00	1885.00	3635.19	80.75
2061.00	1886.00	3635.13	80.75
2062.00	1887.00	3635.06	80.76
2063.00	1888.00	3635.00	80.76
2064.00	1889.00	3634.94	80.76
2065.00	1890.00	3634.89	80.76
2066.00	1891.00	3634.85	80.75
2067.00	1892.00	3634.79	80.76
2068.00	1893.00	3634.73	80.76
2069.00	1894.00	3634.67	80.77
2070.00	1895.00	3634.62	80.77
2071.00	1896.00	3634.57	80.77
2072.00	1897.00	3634.51	80.77
2073.00	1898.00	3634.45	80.77
2074.00	1899.00	3634.40	80.76
2075.00	1900.00	3634.33	80.77
2076.00	1901.00	3634.29	80.77
2077.00	1902.00	3634.24	80.77
2078.00	1903.00	3634.18	80.77
2079.00	1904.00	3634.13	80.77
2080.00	1905.00	3634.10	80.77

2081.00	1906.00	3634.06	80.77
2082.00	1907.00	3634.00	80.78
2083.00	1908.00	3633.96	80.78
2084.00	1909.00	3633.90	80.78
2085.00	1910.00	3633.85	80.78
2086.00	1911.00	3633.79	80.79
2087.00	1912.00	3633.74	80.79
2088.00	1913.00	3633.70	80.79
2089.00	1914.00	3633.65	80.79
2090.00	1915.00	3633.61	80.79
2091.00	1916.00	3633.58	80.79
2092.00	1917.00	3633.52	80.79
2093.00	1918.00	3633.45	80.79
2094.00	1919.00	3633.39	80.79
2095.00	1920.00	3633.33	80.79
2096.00	1921.00	3633.26	80.79
2097.00	1922.00	3633.21	80.79
2098.00	1923.00	3633.15	80.80
2099.00	1924.00	3633.11	80.80
2100.00	1925.00	3633.06	80.80
2101.00	1926.00	3633.01	80.80
2102.00	1927.00	3632.97	80.79
2103.00	1928.00	3632.91	80.80
2104.00	1929.00	3632.86	80.80
2105.00	1930.00	3632.79	80.81
2106.00	1931.00	3632.74	80.81
2107.00	1932.00	3632.69	80.81
2108.00	1933.00	3632.64	80.81
2109.00	1934.00	3632.59	80.81
2110.00	1935.00	3632.55	80.82
2111.00	1936.00	3632.50	80.81
2112.00	1937.00	3632.45	80.81
2113.00	1938.00	3632.42	80.80
2114.00	1939.00	3632.37	80.82
2115.00	1940.00	3632.32	80.82
2116.00	1941.00	3632.27	80.82
2117.00	1942.00	3632.21	80.82
2118.00	1943.00	3632.16	80.81
2119.00	1944.00	3632.12	80.82
2120.00	1945.00	3632.06	80.82
2121.00	1946.00	3631.99	80.82
2122.00	1947.00	3631.94	80.81
2123.00	1948.00	3631.89	80.82
2124.00	1949.00	3631.84	80.82
2125.00	1950.00	3631.78	80.82
2126.00	1951.00	3631.72	80.83
2127.00	1952.00	3631.66	80.83

2128.00	1953.00	3631.60	80.83
2129.00	1954.00	3631.54	80.83
2130.00	1955.00	3631.49	80.83
2131.00	1956.00	3631.44	80.83
2132.00	1957.00	3631.40	80.83
2133.00	1958.00	3631.35	80.83
2134.00	1959.00	3631.31	80.82
2135.00	1960.00	3631.26	80.83
2136.00	1961.00	3631.22	80.83
2137.00	1962.00	3631.16	80.84
2138.00	1963.00	3631.11	80.84
2139.00	1964.00	3631.05	80.84
2140.00	1965.00	3631.00	80.84
2141.00	1966.00	3630.94	80.84
2142.00	1967.00	3630.88	80.83
2143.00	1968.00	3630.82	80.84
2144.00	1969.00	3630.76	80.84
2145.00	1970.00	3630.71	80.84
2146.00	1971.00	3630.65	80.85
2147.00	1972.00	3630.60	80.85
2148.00	1973.00	3630.55	80.85
2149.00	1974.00	3630.49	80.85
2150.00	1975.00	3630.45	80.84
2151.00	1976.00	3630.41	80.84
2152.00	1977.00	3630.36	80.84
2153.00	1978.00	3630.30	80.85
2154.00	1979.00	3630.24	80.86
2155.00	1980.00	3630.20	80.86
2156.00	1981.00	3630.16	80.86
2157.00	1982.00	3630.11	80.86
2158.00	1983.00	3630.07	80.85
2159.00	1984.00	3630.02	80.86
2160.00	1985.00	3629.97	80.86
2161.00	1986.00	3629.91	80.86
2162.00	1987.00	3629.85	80.85
2163.00	1988.00	3629.79	80.86
2164.00	1989.00	3629.73	80.86
2165.00	1990.00	3629.67	80.86
2166.00	1991.00	3629.63	80.86
2167.00	1992.00	3629.58	80.86
2168.00	1993.00	3629.52	80.86
2169.00	1994.00	3629.46	80.87
2170.00	1995.00	3629.42	80.87
2171.00	1996.00	3629.36	80.87
2172.00	1997.00	3629.31	80.87
2173.00	1998.00	3629.26	80.87
2174.00	1999.00	3629.21	80.88

2175.00	2000.00	3629.17	80.88
2176.00	2001.00	3629.14	80.88
2177.00	2002.00	3629.10	80.88
2178.00	2003.00	3629.06	80.88
2179.00	2004.00	3629.01	80.88
2180.00	2005.00	3628.96	80.88
2181.00	2006.00	3628.90	80.88
2182.00	2007.00	3628.84	80.88
2183.00	2008.00	3628.79	80.88
2184.00	2009.00	3628.75	80.88
2185.00	2010.00	3628.69	80.89
2186.00	2011.00	3628.64	80.89
2187.00	2012.00	3628.59	80.89
2188.00	2013.00	3628.54	80.89
2189.00	2014.00	3628.48	80.89
2190.00	2015.00	3628.44	80.88
2191.00	2016.00	3628.39	80.89
2192.00	2017.00	3628.34	80.89
2193.00	2018.00	3628.29	80.90
2194.00	2019.00	3628.25	80.90
2195.00	2020.00	3628.20	80.90
2196.00	2021.00	3628.14	80.90
2197.00	2022.00	3628.09	80.90
2198.00	2023.00	3628.04	80.91
2199.00	2024.00	3627.99	80.91
2200.00	2025.00	3627.94	80.91
2201.00	2026.00	3627.88	80.91
2202.00	2027.00	3627.84	80.91
2203.00	2028.00	3627.81	80.91
2204.00	2029.00	3627.78	80.91
2205.00	2030.00	3627.72	80.90
2206.00	2031.00	3627.68	80.91
2207.00	2032.00	3627.64	80.91
2208.00	2033.00	3627.59	80.91
2209.00	2034.00	3627.53	80.91
2210.00	2035.00	3627.47	80.92
2211.00	2036.00	3627.42	80.92
2212.00	2037.00	3627.37	80.92
2213.00	2038.00	3627.31	80.92
2214.00	2039.00	3627.27	80.91
2215.00	2040.00	3627.21	80.92
2216.00	2041.00	3627.15	80.92
2217.00	2042.00	3627.09	80.93
2218.00	2043.00	3627.04	80.93
2219.00	2044.00	3626.99	80.93
2220.00	2045.00	3626.94	80.93
2221.00	2046.00	3626.88	80.93

2222.00	2047.00	3626.84	80.92
2223.00	2048.00	3626.78	80.93
2224.00	2049.00	3626.75	80.93
2225.00	2050.00	3626.71	80.93
2226.00	2051.00	3626.67	80.93
2227.00	2052.00	3626.62	80.93
2228.00	2053.00	3626.59	80.93
2229.00	2054.00	3626.53	80.94
2230.00	2055.00	3626.48	80.93
2231.00	2056.00	3626.42	80.93
2232.00	2057.00	3626.38	80.93
2233.00	2058.00	3626.32	80.94
2234.00	2059.00	3626.26	80.94
2235.00	2060.00	3626.21	80.94
2236.00	2061.00	3626.16	80.94
2237.00	2062.00	3626.11	80.94
2238.00	2063.00	3626.05	80.95
2239.00	2064.00	3626.00	80.95
2240.00	2065.00	3625.96	80.95
2241.00	2066.00	3625.91	80.95
2242.00	2067.00	3625.87	80.95
2243.00	2068.00	3625.84	80.95
2244.00	2069.00	3625.78	80.95
2245.00	2070.00	3625.73	80.94
2246.00	2071.00	3625.66	80.95
2247.00	2072.00	3625.62	80.95
2248.00	2073.00	3625.56	80.95
2249.00	2074.00	3625.49	80.96
2250.00	2075.00	3625.45	80.95
2251.00	2076.00	3625.41	80.95
2252.00	2077.00	3625.37	80.95
2253.00	2078.00	3625.31	80.96
2254.00	2079.00	3625.26	80.96
2255.00	2080.00	3625.22	80.96
2256.00	2081.00	3625.17	80.96
2257.00	2082.00	3625.12	80.96
2258.00	2083.00	3625.07	80.96
2259.00	2084.00	3625.03	80.96
2260.00	2085.00	3624.98	80.96
2261.00	2086.00	3624.93	80.96
2262.00	2087.00	3624.87	80.97
2263.00	2088.00	3624.81	80.97
2264.00	2089.00	3624.77	80.97
2265.00	2090.00	3624.73	80.97
2266.00	2091.00	3624.69	80.96
2267.00	2092.00	3624.63	80.97
2268.00	2093.00	3624.59	80.97

2269.00	2094.00	3624.55	80.97
2270.00	2095.00	3624.50	80.97
2271.00	2096.00	3624.46	80.97
2272.00	2097.00	3624.42	80.97
2273.00	2098.00	3624.37	80.98
2274.00	2099.00	3624.33	80.98
2275.00	2100.00	3624.28	80.98
2276.00	2101.00	3624.23	80.98
2277.00	2102.00	3624.18	80.98
2278.00	2103.00	3624.13	80.97
2279.00	2104.00	3624.07	80.98
2280.00	2105.00	3624.01	80.98
2281.00	2106.00	3623.95	80.99
2282.00	2107.00	3623.92	80.98
2283.00	2108.00	3623.87	80.99
2284.00	2109.00	3623.84	80.99
2285.00	2110.00	3623.79	81.00
2286.00	2111.00	3623.76	81.00
2287.00	2112.00	3623.70	81.00
2288.00	2113.00	3623.63	81.00
2289.00	2114.00	3623.57	81.00
2290.00	2115.00	3623.53	80.99
2291.00	2116.00	3623.46	81.00
2292.00	2117.00	3623.41	81.00
2293.00	2118.00	3623.36	81.00
2294.00	2119.00	3623.32	81.00
2295.00	2120.00	3623.27	81.00
2296.00	2121.00	3623.21	81.00
2297.00	2122.00	3623.15	81.00
2298.00	2123.00	3623.10	81.00
2299.00	2124.00	3623.04	81.00
2300.00	2125.00	3622.99	81.00
2301.00	2126.00	3622.94	81.01
2302.00	2127.00	3622.90	81.01
2303.00	2128.00	3622.86	81.01
2304.00	2129.00	3622.82	81.01
2305.00	2130.00	3622.77	81.01
2306.00	2131.00	3622.71	81.02
2307.00	2132.00	3622.67	81.02
2308.00	2133.00	3622.63	81.02
2309.00	2134.00	3622.58	81.02
2310.00	2135.00	3622.55	81.02
2311.00	2136.00	3622.51	81.02
2312.00	2137.00	3622.48	81.02
2313.00	2138.00	3622.44	81.02
2314.00	2139.00	3622.40	81.01
2315.00	2140.00	3622.34	81.02

2316.00	2141.00	3622.29	81.02
2317.00	2142.00	3622.23	81.02
2318.00	2143.00	3622.18	81.02
2319.00	2144.00	3622.13	81.02
2320.00	2145.00	3622.08	81.02
2321.00	2146.00	3622.02	81.03
2322.00	2147.00	3621.97	81.03
2323.00	2148.00	3621.93	81.03
2324.00	2149.00	3621.89	81.03
2325.00	2150.00	3621.86	81.03
2326.00	2151.00	3621.81	81.02
2327.00	2152.00	3621.77	81.03
2328.00	2153.00	3621.72	81.03
2329.00	2154.00	3621.65	81.04
2330.00	2155.00	3621.61	81.02
2331.00	2156.00	3621.55	81.03
2332.00	2157.00	3621.51	81.03
2333.00	2158.00	3621.45	81.04
2334.00	2159.00	3621.40	81.04
2335.00	2160.00	3621.35	81.04
2336.00	2161.00	3621.30	81.04
2337.00	2162.00	3621.25	81.04
2338.00	2163.00	3621.22	81.04
2339.00	2164.00	3621.18	81.04
2340.00	2165.00	3621.14	81.04
2341.00	2166.00	3621.09	81.04
2342.00	2167.00	3621.05	81.04
2343.00	2168.00	3621.00	81.04
2344.00	2169.00	3620.94	81.04
2345.00	2170.00	3620.88	81.04
2346.00	2171.00	3620.82	81.05
2347.00	2172.00	3620.76	81.05
2348.00	2173.00	3620.71	81.05
2349.00	2174.00	3620.65	81.05
2350.00	2175.00	3620.60	81.04
2351.00	2176.00	3620.55	81.05
2352.00	2177.00	3620.50	81.05
2353.00	2178.00	3620.45	81.06
2354.00	2179.00	3620.42	81.04
2355.00	2180.00	3620.39	81.05
2356.00	2181.00	3620.35	81.05
2357.00	2182.00	3620.30	81.06
2358.00	2183.00	3620.25	81.07
2359.00	2184.00	3620.22	81.06
2360.00	2185.00	3620.18	81.06
2361.00	2186.00	3620.14	81.05
2362.00	2187.00	3620.07	81.06

2363.00	2188.00	3620.02	81.07
2364.00	2189.00	3619.98	81.07
2365.00	2190.00	3619.92	81.07
2366.00	2191.00	3619.88	81.06
2367.00	2192.00	3619.83	81.07
2368.00	2193.00	3619.78	81.07
2369.00	2194.00	3619.72	81.07
2370.00	2195.00	3619.69	81.07
2371.00	2196.00	3619.63	81.07
2372.00	2197.00	3619.58	81.07
2373.00	2198.00	3619.53	81.08
2374.00	2199.00	3619.51	81.07
2375.00	2200.00	3619.44	81.07
2376.00	2201.00	3619.38	81.07
2377.00	2202.00	3619.32	81.08
2378.00	2203.00	3619.28	81.07
2379.00	2204.00	3619.21	81.08
2380.00	2205.00	3619.17	81.08
2381.00	2206.00	3619.13	81.09
2382.00	2207.00	3619.10	81.08
2383.00	2208.00	3619.06	81.09
2384.00	2209.00	3619.03	81.09
2385.00	2210.00	3619.01	81.09
2386.00	2211.00	3618.97	81.09
2387.00	2212.00	3618.93	81.09
2388.00	2213.00	3618.90	81.09
2389.00	2214.00	3618.86	81.08
2390.00	2215.00	3618.80	81.09
2391.00	2216.00	3618.76	81.09
2392.00	2217.00	3618.71	81.09
2393.00	2218.00	3618.64	81.10
2394.00	2219.00	3618.58	81.10
2395.00	2220.00	3618.53	81.10
2396.00	2221.00	3618.48	81.10
2397.00	2222.00	3618.43	81.10
2398.00	2223.00	3618.39	81.09
2399.00	2224.00	3618.34	81.10
2400.00	2225.00	3618.31	81.10
2401.00	2226.00	3618.27	81.11
2402.00	2227.00	3618.23	81.10
2403.00	2228.00	3618.18	81.11
2404.00	2229.00	3618.14	81.11
2405.00	2230.00	3618.09	81.11
2406.00	2231.00	3618.04	81.10
2407.00	2232.00	3617.99	81.11
2408.00	2233.00	3617.94	81.11
2409.00	2234.00	3617.90	81.11

2410.00	2235.00	3617.85	81.11
2411.00	2236.00	3617.80	81.11
2412.00	2237.00	3617.75	81.11
2413.00	2238.00	3617.70	81.11
2414.00	2239.00	3617.65	81.11
2415.00	2240.00	3617.61	81.11
2416.00	2241.00	3617.56	81.11
2417.00	2242.00	3617.51	81.12
2418.00	2243.00	3617.46	81.12
2419.00	2244.00	3617.42	81.12
2420.00	2245.00	3617.37	81.12
2421.00	2246.00	3617.32	81.12
2422.00	2247.00	3617.27	81.12
2423.00	2248.00	3617.22	81.12
2424.00	2249.00	3617.17	81.12
2425.00	2250.00	3617.13	81.12
2426.00	2251.00	3617.07	81.13
2427.00	2252.00	3617.02	81.13
2428.00	2253.00	3616.97	81.13
2429.00	2254.00	3616.92	81.13
2430.00	2255.00	3616.87	81.13
2431.00	2256.00	3616.83	81.13
2432.00	2257.00	3616.79	81.13
2433.00	2258.00	3616.75	81.13
2434.00	2259.00	3616.70	81.13
2435.00	2260.00	3616.66	81.13
2436.00	2261.00	3616.62	81.13
2437.00	2262.00	3616.57	81.13
2438.00	2263.00	3616.52	81.13
2439.00	2264.00	3616.49	81.13
2440.00	2265.00	3616.45	81.13
2441.00	2266.00	3616.41	81.13
2442.00	2267.00	3616.36	81.14
2443.00	2268.00	3616.31	81.14
2444.00	2269.00	3616.26	81.14
2445.00	2270.00	3616.20	81.14
2446.00	2271.00	3616.17	81.13
2447.00	2272.00	3616.11	81.14
2448.00	2273.00	3616.07	81.14
2449.00	2274.00	3616.03	81.15
2450.00	2275.00	3616.00	81.15
2451.00	2276.00	3615.96	81.15
2452.00	2277.00	3615.91	81.15
2453.00	2278.00	3615.87	81.15
2454.00	2279.00	3615.81	81.16
2455.00	2280.00	3615.76	81.16
2456.00	2281.00	3615.72	81.16

2457.00	2282.00	3615.68	81.16
2458.00	2283.00	3615.65	81.16
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2461.00	2286.00	3615.52	81.16
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2465.00	2290.00	3615.33	81.16
2466.00	2291.00	3615.28	81.16
2467.00	2292.00	3615.23	81.16
2468.00	2293.00	3615.18	81.16
2469.00	2294.00	3615.14	81.16
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2471.00	2296.00	3615.06	81.16
2472.00	2297.00	3615.02	81.16
2473.00	2298.00	3614.99	81.16
2474.00	2299.00	3614.93	81.16
2475.00	2300.00	3614.88	81.16
2476.00	2301.00	3614.83	81.16
2477.00	2302.00	3614.77	81.17
2478.00	2303.00	3614.72	81.17
2479.00	2304.00	3614.67	81.17
2480.00	2305.00	3614.63	81.17
2481.00	2306.00	3614.60	81.17
2482.00	2307.00	3614.57	81.16
2483.00	2308.00	3614.53	81.17
2484.00	2309.00	3614.48	81.17
2485.00	2310.00	3614.43	81.18
2486.00	2311.00	3614.38	81.18
2487.00	2312.00	3614.33	81.18
2488.00	2313.00	3614.27	81.18
2489.00	2314.00	3614.22	81.18
2490.00	2315.00	3614.17	81.18
2491.00	2316.00	3614.14	81.18
2492.00	2317.00	3614.10	81.18
2493.00	2318.00	3614.06	81.18
2494.00	2319.00	3614.04	81.17
2495.00	2320.00	3613.99	81.18
2496.00	2321.00	3613.95	81.18
2497.00	2322.00	3613.91	81.18
2498.00	2323.00	3613.86	81.18
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2500.00	2325.00	3613.75	81.18
2501.00	2326.00	3613.69	81.18
2502.00	2327.00	3613.63	81.19
2503.00	2328.00	3613.59	81.19

2504.00	2329.00	3613.55	81.19
2505.00	2330.00	3613.51	81.19
2506.00	2331.00	3613.48	81.19
2507.00	2332.00	3613.43	81.19
2508.00	2333.00	3613.38	81.19
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2510.00	2335.00	3613.27	81.20
2511.00	2336.00	3613.21	81.20
2512.00	2337.00	3613.17	81.20
2513.00	2338.00	3613.13	81.20
2514.00	2339.00	3613.11	81.19
2515.00	2340.00	3613.06	81.20
2516.00	2341.00	3613.02	81.20
2517.00	2342.00	3612.97	81.20
2518.00	2343.00	3612.95	81.20
2519.00	2344.00	3612.90	81.20
2520.00	2345.00	3612.86	81.20
2521.00	2346.00	3612.81	81.20
2522.00	2347.00	3612.76	81.20
2523.00	2348.00	3612.71	81.20
2524.00	2349.00	3612.66	81.20
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2526.00	2351.00	3612.57	81.20
2527.00	2352.00	3612.52	81.21
2528.00	2353.00	3612.49	81.21
2529.00	2354.00	3612.44	81.22
2530.00	2355.00	3612.42	81.20
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2532.00	2357.00	3612.33	81.21
2533.00	2358.00	3612.28	81.22
2534.00	2359.00	3612.24	81.22
2535.00	2360.00	3612.19	81.22
2536.00	2361.00	3612.16	81.22
2537.00	2362.00	3612.11	81.22
2538.00	2363.00	3612.06	81.23
2539.00	2364.00	3612.01	81.23
2540.00	2365.00	3611.96	81.23
2541.00	2366.00	3611.91	81.23
2542.00	2367.00	3611.86	81.23
2543.00	2368.00	3611.83	81.23
2544.00	2369.00	3611.78	81.23
2545.00	2370.00	3611.73	81.22
2546.00	2371.00	3611.68	81.23
2547.00	2372.00	3611.65	81.23
2548.00	2373.00	3611.60	81.23
2549.00	2374.00	3611.57	81.23
2550.00	2375.00	3611.53	81.23

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2552.00	2377.00	3611.44	81.23
2553.00	2378.00	3611.40	81.23
2554.00	2379.00	3611.38	81.23
2555.00	2380.00	3611.34	81.23
2556.00	2381.00	3611.30	81.23
2557.00	2382.00	3611.25	81.24
2558.00	2383.00	3611.22	81.23
2559.00	2384.00	3611.15	81.23
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2561.00	2386.00	3611.04	81.24
2562.00	2387.00	3611.00	81.24
2563.00	2388.00	3610.97	81.23
2564.00	2389.00	3610.94	81.23
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2566.00	2391.00	3610.89	81.23
2567.00	2392.00	3610.85	81.24
2568.00	2393.00	3610.80	81.24
2569.00	2394.00	3610.74	81.25
2570.00	2395.00	3610.69	81.25
2571.00	2396.00	3610.63	81.25
2572.00	2397.00	3610.58	81.25
2573.00	2398.00	3610.52	81.25
2574.00	2399.00	3610.47	81.25
2575.00	2400.00	3610.43	81.25
2576.00	2401.00	3610.40	81.25
2577.00	2402.00	3610.36	81.25
2578.00	2403.00	3610.32	81.24
2579.00	2404.00	3610.28	81.25
2580.00	2405.00	3610.23	81.25
2581.00	2406.00	3610.17	81.25
2582.00	2407.00	3610.13	81.24
2583.00	2408.00	3610.08	81.25
2584.00	2409.00	3610.03	81.25
2585.00	2410.00	3609.99	81.25
2586.00	2411.00	3609.96	81.24
2587.00	2412.00	3609.92	81.25
2588.00	2413.00	3609.88	81.25
2589.00	2414.00	3609.84	81.25
2590.00	2415.00	3609.80	81.25
2591.00	2416.00	3609.76	81.25
2592.00	2417.00	3609.73	81.25
2593.00	2418.00	3609.69	81.26
2594.00	2419.00	3609.65	81.26
2595.00	2420.00	3609.61	81.26
2596.00	2421.00	3609.57	81.26
2597.00	2422.00	3609.53	81.26

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2599.00	2424.00	3609.44	81.26
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2601.00	2426.00	3609.36	81.26
2602.00	2427.00	3609.32	81.25
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2606.00	2431.00	3609.09	81.27
2607.00	2432.00	3609.03	81.27
2608.00	2433.00	3608.98	81.27
2609.00	2434.00	3608.93	81.27
2610.00	2435.00	3608.90	81.27
2611.00	2436.00	3608.87	81.27
2612.00	2437.00	3608.83	81.27
2613.00	2438.00	3608.80	81.27
2614.00	2439.00	3608.76	81.27
2615.00	2440.00	3608.73	81.27
2616.00	2441.00	3608.69	81.27
2617.00	2442.00	3608.65	81.26
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2621.00	2446.00	3608.48	81.27
2622.00	2447.00	3608.43	81.28
2623.00	2448.00	3608.40	81.27
2624.00	2449.00	3608.36	81.27
2625.00	2450.00	3608.30	81.27
2626.00	2451.00	3608.23	81.28
2627.00	2452.00	3608.18	81.28
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2631.00	2456.00	3607.99	81.28
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2637.00	2462.00	3607.81	81.29
2638.00	2463.00	3607.77	81.29
2639.00	2464.00	3607.72	81.29
2640.00	2465.00	3607.67	81.29
2641.00	2466.00	3607.63	81.29
2642.00	2467.00	3607.59	81.28
2643.00	2468.00	3607.55	81.29
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2646.00	2471.00	3607.42	81.28
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2648.00	2473.00	3607.34	81.29
2649.00	2474.00	3607.31	81.29
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2654.00	2479.00	3607.08	81.29
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2656.00	2481.00	3606.98	81.29
2657.00	2482.00	3606.95	81.29
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2671.00	2496.00	3606.36	81.31
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2673.00	2498.00	3606.27	81.32
2674.00	2499.00	3606.24	81.32
2675.00	2500.00	3606.21	81.32
2676.00	2501.00	3606.17	81.32
2677.00	2502.00	3606.13	81.32
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2683.00	2508.00	3605.84	81.32
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2686.00	2511.00	3605.73	81.32
2687.00	2512.00	3605.70	81.32
2688.00	2513.00	3605.66	81.32
2689.00	2514.00	3605.63	81.32
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2691.00	2516.00	3605.53	81.32

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2693.00	2518.00	3605.44	81.33
2694.00	2519.00	3605.39	81.33
2695.00	2520.00	3605.35	81.33
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2697.00	2522.00	3605.27	81.33
2698.00	2523.00	3605.23	81.33
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2700.00	2525.00	3605.13	81.33
2701.00	2526.00	3605.09	81.33
2702.00	2527.00	3605.05	81.32
2703.00	2528.00	3605.01	81.33
2704.00	2529.00	3604.97	81.33
2705.00	2530.00	3604.93	81.34
2706.00	2531.00	3604.89	81.34
2707.00	2532.00	3604.85	81.34
2708.00	2533.00	3604.82	81.34
2709.00	2534.00	3604.77	81.34
2710.00	2535.00	3604.73	81.34
2711.00	2536.00	3604.68	81.34
2712.00	2537.00	3604.64	81.34
2713.00	2538.00	3604.61	81.33
2714.00	2539.00	3604.56	81.34
2715.00	2540.00	3604.53	81.34
2716.00	2541.00	3604.49	81.34
2717.00	2542.00	3604.46	81.34
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2719.00	2544.00	3604.38	81.34
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2721.00	2546.00	3604.28	81.34
2722.00	2547.00	3604.23	81.35
2723.00	2548.00	3604.18	81.35
2724.00	2549.00	3604.13	81.35
2725.00	2550.00	3604.10	81.35
2726.00	2551.00	3604.05	81.35
2727.00	2552.00	3604.02	81.35
2728.00	2553.00	3603.97	81.35
2729.00	2554.00	3603.95	81.35
2730.00	2555.00	3603.91	81.34
2731.00	2556.00	3603.86	81.35
2732.00	2557.00	3603.81	81.35
2733.00	2558.00	3603.76	81.36
2734.00	2559.00	3603.72	81.36
2735.00	2560.00	3603.67	81.36
2736.00	2561.00	3603.64	81.36
2737.00	2562.00	3603.59	81.36
2738.00	2563.00	3603.56	81.35

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2740.00	2565.00	3603.49	81.36
2741.00	2566.00	3603.45	81.36
2742.00	2567.00	3603.43	81.35
2743.00	2568.00	3603.38	81.36
2744.00	2569.00	3603.35	81.36
2745.00	2570.00	3603.30	81.36
2746.00	2571.00	3603.25	81.36
2747.00	2572.00	3603.21	81.36
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2749.00	2574.00	3603.11	81.36
2750.00	2575.00	3603.06	81.36
2751.00	2576.00	3603.02	81.36
2752.00	2577.00	3602.98	81.36
2753.00	2578.00	3602.93	81.36
2754.00	2579.00	3602.89	81.37
2755.00	2580.00	3602.85	81.36
2756.00	2581.00	3602.81	81.36
2757.00	2582.00	3602.77	81.36
2758.00	2583.00	3602.72	81.37
2759.00	2584.00	3602.68	81.37
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2767.00	2592.00	3602.37	81.38
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2773.00	2598.00	3602.12	81.38
2774.00	2599.00	3602.08	81.37
2775.00	2600.00	3602.04	81.38
2776.00	2601.00	3602.02	81.38
2777.00	2602.00	3601.98	81.39
2778.00	2603.00	3601.94	81.39
2779.00	2604.00	3601.90	81.39
2780.00	2605.00	3601.86	81.39
2781.00	2606.00	3601.83	81.39
2782.00	2607.00	3601.78	81.38
2783.00	2608.00	3601.75	81.39
2784.00	2609.00	3601.72	81.39
2785.00	2610.00	3601.67	81.39

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2787.00	2612.00	3601.61	81.39
2788.00	2613.00	3601.57	81.39
2789.00	2614.00	3601.52	81.39
2790.00	2615.00	3601.47	81.40
2791.00	2616.00	3601.42	81.40
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2793.00	2618.00	3601.30	81.40
2794.00	2619.00	3601.26	81.40
2795.00	2620.00	3601.21	81.40
2796.00	2621.00	3601.17	81.40
2797.00	2622.00	3601.13	81.40
2798.00	2623.00	3601.10	81.39
2799.00	2624.00	3601.06	81.40
2800.00	2625.00	3601.02	81.40
2801.00	2626.00	3600.99	81.41
2802.00	2627.00	3600.95	81.41
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2804.00	2629.00	3600.90	81.41
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2813.00	2638.00	3600.52	81.41
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2816.00	2641.00	3600.41	81.41
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2822.00	2647.00	3600.19	81.42
2823.00	2648.00	3600.16	81.42
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2825.00	2650.00	3600.08	81.42
2826.00	2651.00	3600.03	81.42
2827.00	2652.00	3599.99	81.42
2828.00	2653.00	3599.95	81.42
2829.00	2654.00	3599.92	81.42
2830.00	2655.00	3599.88	81.43
2831.00	2656.00	3599.84	81.43
2832.00	2657.00	3599.81	81.43

2833.00	2658.00	3599.78	81.43
2834.00	2659.00	3599.73	81.43
2835.00	2660.00	3599.70	81.43
2836.00	2661.00	3599.66	81.43
2837.00	2662.00	3599.63	81.43
2838.00	2663.00	3599.59	81.43
2839.00	2664.00	3599.55	81.43
2840.00	2665.00	3599.51	81.43
2841.00	2666.00	3599.46	81.43
2842.00	2667.00	3599.41	81.43
2843.00	2668.00	3599.36	81.43
2844.00	2669.00	3599.33	81.43
2845.00	2670.00	3599.28	81.44
2846.00	2671.00	3599.23	81.44
2847.00	2672.00	3599.20	81.43
2848.00	2673.00	3599.17	81.43
2849.00	2674.00	3599.13	81.43
2850.00	2675.00	3599.08	81.44
2851.00	2676.00	3599.04	81.44
2852.00	2677.00	3599.01	81.44
2853.00	2678.00	3598.97	81.44
2854.00	2679.00	3598.93	81.44
2855.00	2680.00	3598.89	81.44
2856.00	2681.00	3598.85	81.44
2857.00	2682.00	3598.81	81.44
2858.00	2683.00	3598.77	81.43
2859.00	2684.00	3598.72	81.44
2860.00	2685.00	3598.68	81.44
2861.00	2686.00	3598.63	81.45
2862.00	2687.00	3598.58	81.45
2863.00	2688.00	3598.54	81.45
2864.00	2689.00	3598.50	81.45
2865.00	2690.00	3598.45	81.45
2866.00	2691.00	3598.42	81.45
2867.00	2692.00	3598.40	81.45
2868.00	2693.00	3598.37	81.45
2869.00	2694.00	3598.33	81.45
2870.00	2695.00	3598.30	81.45
2871.00	2696.00	3598.27	81.45
2872.00	2697.00	3598.24	81.45
2873.00	2698.00	3598.20	81.45
2874.00	2699.00	3598.18	81.45
2875.00	2700.00	3598.16	81.45
2876.00	2701.00	3598.13	81.45
2877.00	2702.00	3598.10	81.45
2878.00	2703.00	3598.05	81.45
2879.00	2704.00	3598.01	81.45

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2881.00	2706.00	3597.88	81.46
2882.00	2707.00	3597.85	81.45
2883.00	2708.00	3597.81	81.46
2884.00	2709.00	3597.77	81.46
2885.00	2710.00	3597.72	81.47
2886.00	2711.00	3597.71	81.45
2887.00	2712.00	3597.66	81.46
2888.00	2713.00	3597.61	81.46
2889.00	2714.00	3597.55	81.47
2890.00	2715.00	3597.52	81.46
2891.00	2716.00	3597.47	81.47
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2893.00	2718.00	3597.35	81.48
2894.00	2719.00	3597.31	81.48
2895.00	2720.00	3597.28	81.48
2896.00	2721.00	3597.24	81.48
2897.00	2722.00	3597.21	81.48
2898.00	2723.00	3597.20	81.46
2899.00	2724.00	3597.17	81.47
2900.00	2725.00	3597.12	81.47
2901.00	2726.00	3597.07	81.48
2902.00	2727.00	3597.03	81.47
2903.00	2728.00	3596.99	81.48
2904.00	2729.00	3596.95	81.48
2905.00	2730.00	3596.90	81.48
2906.00	2731.00	3596.87	81.48
2907.00	2732.00	3596.83	81.48
2908.00	2733.00	3596.80	81.48
2909.00	2734.00	3596.79	81.47
2910.00	2735.00	3596.76	81.48
2911.00	2736.00	3596.73	81.48
2912.00	2737.00	3596.71	81.48
2913.00	2738.00	3596.68	81.48
2914.00	2739.00	3596.63	81.48
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2916.00	2741.00	3596.55	81.48
2917.00	2742.00	3596.51	81.48
2918.00	2743.00	3596.47	81.48
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2922.00	2747.00	3596.34	81.48
2923.00	2748.00	3596.29	81.49
2924.00	2749.00	3596.25	81.49
2925.00	2750.00	3596.19	81.50
2926.00	2751.00	3596.17	81.48

2927.00	2752.00	3596.12	81.49
2928.00	2753.00	3596.07	81.49
2929.00	2754.00	3596.02	81.50
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2931.00	2756.00	3595.95	81.49
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2934.00	2759.00	3595.83	81.50
2935.00	2760.00	3595.79	81.50
2936.00	2761.00	3595.77	81.50
2937.00	2762.00	3595.74	81.50
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2946.00	2771.00	3595.39	81.51
2947.00	2772.00	3595.35	81.51
2948.00	2773.00	3595.31	81.51
2949.00	2774.00	3595.27	81.51
2950.00	2775.00	3595.24	81.51
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2952.00	2777.00	3595.19	81.51
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2954.00	2779.00	3595.11	81.51
2955.00	2780.00	3595.07	81.51
2956.00	2781.00	3595.02	81.51
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2959.00	2784.00	3594.88	81.52
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2968.00	2793.00	3594.54	81.52
2969.00	2794.00	3594.49	81.52
2970.00	2795.00	3594.45	81.52
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2972.00	2797.00	3594.36	81.52
2973.00	2798.00	3594.32	81.52

2974.00	2799.00	3594.29	81.52
2975.00	2800.00	3594.26	81.52
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2978.00	2803.00	3594.19	81.52
2979.00	2804.00	3594.16	81.52
2980.00	2805.00	3594.13	81.52
2981.00	2806.00	3594.09	81.53
2982.00	2807.00	3594.05	81.53
2983.00	2808.00	3594.00	81.53
2984.00	2809.00	3593.95	81.53
2985.00	2810.00	3593.90	81.53
2986.00	2811.00	3593.84	81.53
2987.00	2812.00	3593.79	81.53
2988.00	2813.00	3593.74	81.53
2989.00	2814.00	3593.70	81.53
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2991.00	2816.00	3593.62	81.53
2992.00	2817.00	3593.59	81.53
2993.00	2818.00	3593.57	81.52
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2995.00	2820.00	3593.49	81.54
2996.00	2821.00	3593.46	81.54
2997.00	2822.00	3593.41	81.54
2998.00	2823.00	3593.37	81.55
2999.00	2824.00	3593.33	81.54
3000.00	2825.00	3593.30	81.54
3001.00	2826.00	3593.28	81.53
3002.00	2827.00	3593.25	81.55
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3007.00	2832.00	3593.08	81.55
3008.00	2833.00	3593.05	81.55
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3011.00	2836.00	3592.92	81.55
3012.00	2837.00	3592.87	81.55
3013.00	2838.00	3592.82	81.55
3014.00	2839.00	3592.77	81.55
3015.00	2840.00	3592.74	81.55
3016.00	2841.00	3592.70	81.55
3017.00	2842.00	3592.66	81.55
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3019.00	2844.00	3592.60	81.55
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3027.00	2852.00	3592.31	81.56
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3032.00	2857.00	3592.17	81.57
3033.00	2858.00	3592.13	81.57
3034.00	2859.00	3592.09	81.57
3035.00	2860.00	3592.04	81.57
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3037.00	2862.00	3591.96	81.57
3038.00	2863.00	3591.92	81.57
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3062.00	2887.00	3591.04	81.57
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3076.00	2901.00	3590.48	81.59
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3093.00	2918.00	3589.89	81.61
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3108.00	2933.00	3589.31	81.61
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3110.00	2935.00	3589.25	81.61
3111.00	2936.00	3589.22	81.61
3112.00	2937.00	3589.19	81.61
3113.00	2938.00	3589.15	81.62
3114.00	2939.00	3589.11	81.62

3115.00	2940.00	3589.07	81.62
3116.00	2941.00	3589.04	81.62
3117.00	2942.00	3588.99	81.62
3118.00	2943.00	3588.95	81.62
3119.00	2944.00	3588.90	81.62
3120.00	2945.00	3588.85	81.62
3121.00	2946.00	3588.80	81.62
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3124.00	2949.00	3588.70	81.62
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3141.00	2966.00	3588.08	81.64
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3149.00	2974.00	3587.79	81.64
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3177.00	3002.00	3586.81	81.66
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3192.00	3017.00	3586.24	81.66
3193.00	3018.00	3586.24	81.67
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3198.00	3023.00	3586.06	81.67
3199.00	3024.00	3586.02	81.67
3200.00	3025.00	3585.97	81.67
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3202.00	3027.00	3585.89	81.67
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3205.00	3030.00	3585.77	81.67
3206.00	3031.00	3585.73	81.66
3207.00	3032.00	3585.69	81.67
3208.00	3033.00	3585.66	81.67

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3221.00	3046.00	3585.21	81.68
3222.00	3047.00	3585.17	81.68
3223.00	3048.00	3585.11	81.68
3224.00	3049.00	3585.06	81.68
3225.00	3050.00	3585.01	81.68
3226.00	3051.00	3584.97	81.68
3227.00	3052.00	3584.94	81.68
3228.00	3053.00	3584.92	81.68
3229.00	3054.00	3584.89	81.68
3230.00	3055.00	3584.85	81.69
3231.00	3056.00	3584.82	81.69
3232.00	3057.00	3584.79	81.69
3233.00	3058.00	3584.74	81.69
3234.00	3059.00	3584.70	81.68
3235.00	3060.00	3584.66	81.69
3236.00	3061.00	3584.62	81.69
3237.00	3062.00	3584.58	81.70
3238.00	3063.00	3584.56	81.68
3239.00	3064.00	3584.52	81.69
3240.00	3065.00	3584.49	81.69
3241.00	3066.00	3584.45	81.70
3242.00	3067.00	3584.44	81.68
3243.00	3068.00	3584.39	81.69
3244.00	3069.00	3584.36	81.69
3245.00	3070.00	3584.32	81.70
3246.00	3071.00	3584.28	81.70
3247.00	3072.00	3584.24	81.70
3248.00	3073.00	3584.20	81.70
3249.00	3074.00	3584.16	81.70
3250.00	3075.00	3584.13	81.69
3251.00	3076.00	3584.08	81.70
3252.00	3077.00	3584.04	81.70
3253.00	3078.00	3584.00	81.71
3254.00	3079.00	3583.98	81.71
3255.00	3080.00	3583.96	81.71

3256.00	3081.00	3583.93	81.71
3257.00	3082.00	3583.91	81.71
3258.00	3083.00	3583.89	81.71
3259.00	3084.00	3583.86	81.71
3260.00	3085.00	3583.83	81.71
3261.00	3086.00	3583.79	81.71
3262.00	3087.00	3583.74	81.71
3263.00	3088.00	3583.72	81.71
3264.00	3089.00	3583.69	81.71
3265.00	3090.00	3583.66	81.70
3266.00	3091.00	3583.61	81.71
3267.00	3092.00	3583.58	81.71
3268.00	3093.00	3583.53	81.71
3269.00	3094.00	3583.49	81.71
3270.00	3095.00	3583.44	81.71
3271.00	3096.00	3583.40	81.71
3272.00	3097.00	3583.36	81.71
3273.00	3098.00	3583.32	81.71
3274.00	3099.00	3583.30	81.71
3275.00	3100.00	3583.24	81.71
3276.00	3101.00	3583.21	81.71
3277.00	3102.00	3583.17	81.72
3278.00	3103.00	3583.14	81.72
3279.00	3104.00	3583.12	81.72
3280.00	3105.00	3583.10	81.72
3281.00	3106.00	3583.07	81.72
3282.00	3107.00	3583.03	81.72
3283.00	3108.00	3582.99	81.72
3284.00	3109.00	3582.94	81.72
3285.00	3110.00	3582.89	81.72
3286.00	3111.00	3582.86	81.71
3287.00	3112.00	3582.81	81.72
3288.00	3113.00	3582.78	81.72
3289.00	3114.00	3582.74	81.73
3290.00	3115.00	3582.72	81.73
3291.00	3116.00	3582.69	81.73
3292.00	3117.00	3582.65	81.73
3293.00	3118.00	3582.61	81.73
3294.00	3119.00	3582.58	81.73
3295.00	3120.00	3582.54	81.73
3296.00	3121.00	3582.51	81.73
3297.00	3122.00	3582.49	81.72
3298.00	3123.00	3582.45	81.73
3299.00	3124.00	3582.42	81.73
3300.00	3125.00	3582.38	81.73
3301.00	3126.00	3582.33	81.74
3302.00	3127.00	3582.30	81.73

3303.00	3128.00	3582.27	81.73
3304.00	3129.00	3582.23	81.73
3305.00	3130.00	3582.19	81.73
3306.00	3131.00	3582.16	81.74
3307.00	3132.00	3582.14	81.74
3308.00	3133.00	3582.11	81.74
3309.00	3134.00	3582.07	81.74
3310.00	3135.00	3582.03	81.74
3311.00	3136.00	3582.01	81.74
3312.00	3137.00	3581.98	81.74
3313.00	3138.00	3581.94	81.74
3314.00	3139.00	3581.89	81.75
3315.00	3140.00	3581.86	81.75
3316.00	3141.00	3581.81	81.75
3317.00	3142.00	3581.76	81.75
3318.00	3143.00	3581.74	81.73
3319.00	3144.00	3581.70	81.74
3320.00	3145.00	3581.66	81.74
3321.00	3146.00	3581.62	81.75
3322.00	3147.00	3581.59	81.75
3323.00	3148.00	3581.55	81.75
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3325.00	3150.00	3581.49	81.75
3326.00	3151.00	3581.46	81.75
3327.00	3152.00	3581.42	81.75
3328.00	3153.00	3581.39	81.75
3329.00	3154.00	3581.37	81.74
3330.00	3155.00	3581.32	81.75
3331.00	3156.00	3581.28	81.75
3332.00	3157.00	3581.25	81.75
3333.00	3158.00	3581.21	81.75
3334.00	3159.00	3581.16	81.75
3335.00	3160.00	3581.12	81.75
3336.00	3161.00	3581.07	81.75
3337.00	3162.00	3581.03	81.75
3338.00	3163.00	3580.98	81.76
3339.00	3164.00	3580.95	81.76
3340.00	3165.00	3580.92	81.76
3341.00	3166.00	3580.89	81.76
3342.00	3167.00	3580.86	81.76
3343.00	3168.00	3580.83	81.76
3344.00	3169.00	3580.80	81.76
3345.00	3170.00	3580.77	81.76
3346.00	3171.00	3580.75	81.76
3347.00	3172.00	3580.72	81.76
3348.00	3173.00	3580.69	81.76
3349.00	3174.00	3580.68	81.76

3350.00	3175.00	3580.66	81.76
3351.00	3176.00	3580.63	81.76
3352.00	3177.00	3580.61	81.76
3353.00	3178.00	3580.58	81.76
3354.00	3179.00	3580.55	81.75
3355.00	3180.00	3580.50	81.76
3356.00	3181.00	3580.45	81.76
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3358.00	3183.00	3580.34	81.77
3359.00	3184.00	3580.29	81.77
3360.00	3185.00	3580.25	81.77
3361.00	3186.00	3580.21	81.77
3362.00	3187.00	3580.17	81.77
3363.00	3188.00	3580.13	81.77
3364.00	3189.00	3580.08	81.77
3365.00	3190.00	3580.05	81.77
3366.00	3191.00	3580.02	81.78
3367.00	3192.00	3580.00	81.78
3368.00	3193.00	3579.99	81.78
3369.00	3194.00	3579.97	81.78
3370.00	3195.00	3579.94	81.78
3371.00	3196.00	3579.91	81.78
3372.00	3197.00	3579.87	81.78
3373.00	3198.00	3579.84	81.78
3374.00	3199.00	3579.79	81.78
3375.00	3200.00	3579.76	81.78
3376.00	3201.00	3579.73	81.78
3377.00	3202.00	3579.69	81.78
3378.00	3203.00	3579.65	81.78
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3381.00	3206.00	3579.56	81.78
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3383.00	3208.00	3579.49	81.78
3384.00	3209.00	3579.45	81.78
3385.00	3210.00	3579.41	81.78
3386.00	3211.00	3579.37	81.78
3387.00	3212.00	3579.33	81.78
3388.00	3213.00	3579.30	81.78
3389.00	3214.00	3579.26	81.79
3390.00	3215.00	3579.23	81.79
3391.00	3216.00	3579.21	81.79
3392.00	3217.00	3579.19	81.79
3393.00	3218.00	3579.16	81.79
3394.00	3219.00	3579.13	81.78
3395.00	3220.00	3579.09	81.79
3396.00	3221.00	3579.06	81.79

3397.00	3222.00	3579.00	81.80
3398.00	3223.00	3578.95	81.79
3399.00	3224.00	3578.91	81.79
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3402.00	3227.00	3578.78	81.80
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3405.00	3230.00	3578.67	81.80
3406.00	3231.00	3578.63	81.80
3407.00	3232.00	3578.59	81.80
3408.00	3233.00	3578.55	81.80
3409.00	3234.00	3578.50	81.80
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3412.00	3237.00	3578.42	81.80
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3426.00	3251.00	3577.96	81.81
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3436.00	3261.00	3577.62	81.81
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3448.00	3273.00	3577.22	81.82
3449.00	3274.00	3577.19	81.82
3450.00	3275.00	3577.17	81.81
3451.00	3276.00	3577.13	81.82
3452.00	3277.00	3577.11	81.82
3453.00	3278.00	3577.08	81.82
3454.00	3279.00	3577.04	81.82
3455.00	3280.00	3577.00	81.82
3456.00	3281.00	3576.95	81.82
3457.00	3282.00	3576.92	81.82
3458.00	3283.00	3576.89	81.82
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3466.00	3291.00	3576.61	81.83
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3477.00	3302.00	3576.26	81.83
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3483.00	3308.00	3576.04	81.83
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3489.00	3314.00	3575.83	81.84
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3491.00	3316.00	3575.77	81.84
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3502.00	3327.00	3575.41	81.84
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3504.00	3329.00	3575.33	81.84
3505.00	3330.00	3575.30	81.84
3506.00	3331.00	3575.28	81.84
3507.00	3332.00	3575.26	81.84
3508.00	3333.00	3575.21	81.84
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3512.00	3337.00	3575.05	81.84
3513.00	3338.00	3575.01	81.85
3514.00	3339.00	3574.98	81.85
3515.00	3340.00	3574.96	81.85
3516.00	3341.00	3574.94	81.85
3517.00	3342.00	3574.92	81.85
3518.00	3343.00	3574.90	81.84
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3521.00	3346.00	3574.80	81.86
3522.00	3347.00	3574.76	81.86
3523.00	3348.00	3574.73	81.85
3524.00	3349.00	3574.69	81.85
3525.00	3350.00	3574.66	81.84
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3527.00	3352.00	3574.57	81.86
3528.00	3353.00	3574.53	81.86
3529.00	3354.00	3574.49	81.86
3530.00	3355.00	3574.43	81.87
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3535.00	3360.00	3574.30	81.86
3536.00	3361.00	3574.30	81.86
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3542.00	3367.00	3574.07	81.87
3543.00	3368.00	3574.03	81.87
3544.00	3369.00	3574.00	81.87
3545.00	3370.00	3573.97	81.87
3546.00	3371.00	3573.94	81.87
3547.00	3372.00	3573.90	81.87
3548.00	3373.00	3573.87	81.87
3549.00	3374.00	3573.83	81.87
3550.00	3375.00	3573.79	81.87
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3556.00	3381.00	3573.59	81.87
3557.00	3382.00	3573.55	81.88
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3573.00	3398.00	3573.02	81.89
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3577.00	3402.00	3572.92	81.89
3578.00	3403.00	3572.88	81.89
3579.00	3404.00	3572.85	81.89
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3581.00	3406.00	3572.76	81.89
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3583.00	3408.00	3572.67	81.89
3584.00	3409.00	3572.64	81.89

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3588.00	3413.00	3572.53	81.89
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3595.00	3420.00	3572.30	81.89
3596.00	3421.00	3572.27	81.89
3597.00	3422.00	3572.24	81.89
3598.00	3423.00	3572.21	81.89
3599.00	3424.00	3572.18	81.89
3600.00	3425.00	3572.14	81.89
3601.00	3426.00	3572.10	81.90
3602.00	3427.00	3572.07	81.89
3603.00	3428.00	3572.03	81.89
3604.00	3429.00	3571.98	81.89
3605.00	3430.00	3571.94	81.90
3606.00	3431.00	3571.92	81.89
3607.00	3432.00	3571.88	81.90
3608.00	3433.00	3571.85	81.90
3609.00	3434.00	3571.81	81.91
3610.00	3435.00	3571.80	81.89
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3612.00	3437.00	3571.72	81.90
3613.00	3438.00	3571.68	81.91
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3628.00	3453.00	3571.22	81.91
3629.00	3454.00	3571.19	81.91
3630.00	3455.00	3571.15	81.91
3631.00	3456.00	3571.12	81.91

3632.00	3457.00	3571.09	81.91
3633.00	3458.00	3571.05	81.92
3634.00	3459.00	3571.03	81.91
3635.00	3460.00	3570.99	81.91
3636.00	3461.00	3570.96	81.91
3637.00	3462.00	3570.92	81.91
3638.00	3463.00	3570.88	81.91
3639.00	3464.00	3570.84	81.91
3640.00	3465.00	3570.80	81.91
3641.00	3466.00	3570.74	81.92
3642.00	3467.00	3570.71	81.92
3643.00	3468.00	3570.67	81.92
3644.00	3469.00	3570.64	81.92
3645.00	3470.00	3570.63	81.92
3646.00	3471.00	3570.61	81.92
3647.00	3472.00	3570.58	81.92
3648.00	3473.00	3570.56	81.92
3649.00	3474.00	3570.53	81.92
3650.00	3475.00	3570.50	81.91
3651.00	3476.00	3570.44	81.92
3652.00	3477.00	3570.40	81.92
3653.00	3478.00	3570.37	81.93
3654.00	3479.00	3570.36	81.91
3655.00	3480.00	3570.33	81.92
3656.00	3481.00	3570.30	81.92
3657.00	3482.00	3570.26	81.93
3658.00	3483.00	3570.24	81.92
3659.00	3484.00	3570.19	81.93
3660.00	3485.00	3570.15	81.93
3661.00	3486.00	3570.11	81.94
3662.00	3487.00	3570.08	81.94
3663.00	3488.00	3570.05	81.94
3664.00	3489.00	3570.03	81.94
3665.00	3490.00	3570.00	81.94
3666.00	3491.00	3569.97	81.94
3667.00	3492.00	3569.94	81.93
3668.00	3493.00	3569.92	81.93
3669.00	3494.00	3569.89	81.92
3670.00	3495.00	3569.84	81.94
3671.00	3496.00	3569.81	81.94
3672.00	3497.00	3569.78	81.94
3673.00	3498.00	3569.75	81.94
3674.00	3499.00	3569.70	81.94
3675.00	3500.00	3569.68	81.94
3676.00	3501.00	3569.66	81.94
3677.00	3502.00	3569.63	81.93
3678.00	3503.00	3569.59	81.94

3679.00	3504.00	3569.58	81.94
3680.00	3505.00	3569.56	81.94
3681.00	3506.00	3569.53	81.93
3682.00	3507.00	3569.49	81.94
3683.00	3508.00	3569.47	81.94
3684.00	3509.00	3569.42	81.94
3685.00	3510.00	3569.38	81.94
3686.00	3511.00	3569.33	81.95
3687.00	3512.00	3569.29	81.95
3688.00	3513.00	3569.25	81.95
3689.00	3514.00	3569.20	81.95
3690.00	3515.00	3569.16	81.95
3691.00	3516.00	3569.14	81.95
3692.00	3517.00	3569.11	81.95
3693.00	3518.00	3569.08	81.95
3694.00	3519.00	3569.07	81.94
3695.00	3520.00	3569.06	81.95
3696.00	3521.00	3569.03	81.95
3697.00	3522.00	3568.99	81.96
3698.00	3523.00	3568.96	81.95
3699.00	3524.00	3568.92	81.95
3700.00	3525.00	3568.88	81.95
3701.00	3526.00	3568.83	81.95
3702.00	3527.00	3568.78	81.96
3703.00	3528.00	3568.73	81.96
3704.00	3529.00	3568.69	81.96
3705.00	3530.00	3568.65	81.96
3706.00	3531.00	3568.61	81.96
3707.00	3532.00	3568.60	81.96
3708.00	3533.00	3568.58	81.96
3709.00	3534.00	3568.56	81.96
3710.00	3535.00	3568.54	81.96
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3712.00	3537.00	3568.49	81.96
3713.00	3538.00	3568.44	81.96
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3718.00	3543.00	3568.26	81.96
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3722.00	3547.00	3568.14	81.96
3723.00	3548.00	3568.10	81.96
3724.00	3549.00	3568.06	81.96
3725.00	3550.00	3568.03	81.96

3726.00	3551.00	3567.99	81.97
3727.00	3552.00	3567.96	81.96
3728.00	3553.00	3567.94	81.96
3729.00	3554.00	3567.92	81.96
3730.00	3555.00	3567.89	81.96
3731.00	3556.00	3567.86	81.96
3732.00	3557.00	3567.84	81.96
3733.00	3558.00	3567.80	81.97
3734.00	3559.00	3567.78	81.96
3735.00	3560.00	3567.75	81.97
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3737.00	3562.00	3567.67	81.98
3738.00	3563.00	3567.65	81.97
3739.00	3564.00	3567.63	81.97
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3741.00	3566.00	3567.57	81.97
3742.00	3567.00	3567.53	81.98
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3754.00	3579.00	3567.13	81.98
3755.00	3580.00	3567.10	81.98
3756.00	3581.00	3567.06	81.98
3757.00	3582.00	3567.03	81.97
3758.00	3583.00	3566.99	81.98
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3767.00	3592.00	3566.67	81.98
3768.00	3593.00	3566.64	81.98
3769.00	3594.00	3566.62	81.98
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3771.00	3596.00	3566.56	81.99
3772.00	3597.00	3566.52	81.99

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3774.00	3599.00	3566.44	81.99
3775.00	3600.00	3566.41	81.99
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3777.00	3602.00	3566.35	81.99
3778.00	3603.00	3566.33	81.98
3779.00	3604.00	3566.30	81.99
3780.00	3605.00	3566.27	81.99
3781.00	3606.00	3566.23	82.00
3782.00	3607.00	3566.19	82.00
3783.00	3608.00	3566.18	82.00
3784.00	3609.00	3566.15	82.00
3785.00	3610.00	3566.12	82.00
3786.00	3611.00	3566.10	82.00
3787.00	3612.00	3566.07	82.00
3788.00	3613.00	3566.04	82.00
3789.00	3614.00	3566.01	82.00
3790.00	3615.00	3565.98	82.00
3791.00	3616.00	3565.95	82.00
3792.00	3617.00	3565.92	82.00
3793.00	3618.00	3565.89	82.00
3794.00	3619.00	3565.85	82.00
3795.00	3620.00	3565.82	82.00
3796.00	3621.00	3565.80	82.00
3797.00	3622.00	3565.77	82.00
3798.00	3623.00	3565.75	82.00
3799.00	3624.00	3565.73	82.00
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3802.00	3627.00	3565.64	82.00
3803.00	3628.00	3565.61	82.00
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3805.00	3630.00	3565.53	82.01
3806.00	3631.00	3565.50	82.01
3807.00	3632.00	3565.48	82.01
3808.00	3633.00	3565.46	82.01
3809.00	3634.00	3565.42	82.01
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3811.00	3636.00	3565.34	82.01
3812.00	3637.00	3565.31	82.01
3813.00	3638.00	3565.27	82.01
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3815.00	3640.00	3565.21	82.01
3816.00	3641.00	3565.19	82.01
3817.00	3642.00	3565.15	82.02
3818.00	3643.00	3565.13	82.00
3819.00	3644.00	3565.10	82.01

3820.00	3645.00	3565.05	82.01
3821.00	3646.00	3565.00	82.02
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3826.00	3651.00	3564.87	82.01
3827.00	3652.00	3564.87	82.02
3828.00	3653.00	3564.83	82.02
3829.00	3654.00	3564.78	82.03
3830.00	3655.00	3564.74	82.03
3831.00	3656.00	3564.72	82.02
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3834.00	3659.00	3564.60	82.03
3835.00	3660.00	3564.58	82.03
3836.00	3661.00	3564.56	82.03
3837.00	3662.00	3564.53	82.03
3838.00	3663.00	3564.51	82.03
3839.00	3664.00	3564.50	82.03
3840.00	3665.00	3564.48	82.03
3841.00	3666.00	3564.45	82.03
3842.00	3667.00	3564.43	82.03
3843.00	3668.00	3564.41	82.03
3844.00	3669.00	3564.39	82.03
3845.00	3670.00	3564.36	82.03
3846.00	3671.00	3564.32	82.03
3847.00	3672.00	3564.29	82.03
3848.00	3673.00	3564.25	82.03
3849.00	3674.00	3564.22	82.03
3850.00	3675.00	3564.18	82.03
3851.00	3676.00	3564.14	82.03
3852.00	3677.00	3564.11	82.03
3853.00	3678.00	3564.08	82.03
3854.00	3679.00	3564.04	82.04
3855.00	3680.00	3564.01	82.03
3856.00	3681.00	3563.98	82.03
3857.00	3682.00	3563.94	82.03
3858.00	3683.00	3563.89	82.04
3859.00	3684.00	3563.87	82.04
3860.00	3685.00	3563.84	82.04
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3862.00	3687.00	3563.76	82.05
3863.00	3688.00	3563.76	82.04
3864.00	3689.00	3563.73	82.04
3865.00	3690.00	3563.71	82.03
3866.00	3691.00	3563.66	82.04

3867.00	3692.00	3563.64	82.04
3868.00	3693.00	3563.62	82.04
3869.00	3694.00	3563.58	82.04
3870.00	3695.00	3563.54	82.03
3871.00	3696.00	3563.49	82.04
3872.00	3697.00	3563.47	82.04
3873.00	3698.00	3563.43	82.05
3874.00	3699.00	3563.38	82.05
3875.00	3700.00	3563.34	82.05
3876.00	3701.00	3563.31	82.05
3877.00	3702.00	3563.28	82.05
3878.00	3703.00	3563.25	82.04
3879.00	3704.00	3563.22	82.05
3880.00	3705.00	3563.20	82.05
3881.00	3706.00	3563.17	82.05
3882.00	3707.00	3563.16	82.04
3883.00	3708.00	3563.12	82.05
3884.00	3709.00	3563.10	82.05
3885.00	3710.00	3563.07	82.05
3886.00	3711.00	3563.04	82.04
3887.00	3712.00	3563.01	82.05
3888.00	3713.00	3562.97	82.05
3889.00	3714.00	3562.94	82.05
3890.00	3715.00	3562.91	82.05
3891.00	3716.00	3562.88	82.05
3892.00	3717.00	3562.84	82.05
3893.00	3718.00	3562.81	82.05
3894.00	3719.00	3562.78	82.05
3895.00	3720.00	3562.75	82.05
3896.00	3721.00	3562.72	82.05
3897.00	3722.00	3562.66	82.06
3898.00	3723.00	3562.63	82.06
3899.00	3724.00	3562.59	82.06
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3901.00	3726.00	3562.54	82.06
3902.00	3727.00	3562.52	82.06
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3904.00	3729.00	3562.47	82.06
3905.00	3730.00	3562.45	82.06
3906.00	3731.00	3562.42	82.07
3907.00	3732.00	3562.39	82.07
3908.00	3733.00	3562.37	82.07
3909.00	3734.00	3562.36	82.07
3910.00	3735.00	3562.33	82.07
3911.00	3736.00	3562.29	82.07
3912.00	3737.00	3562.26	82.07
3913.00	3738.00	3562.21	82.07

3914.00	3739.00	3562.16	82.06
3915.00	3740.00	3562.12	82.07
3916.00	3741.00	3562.08	82.07
3917.00	3742.00	3562.05	82.07
3918.00	3743.00	3562.05	82.06
3919.00	3744.00	3562.04	82.07
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3921.00	3746.00	3561.96	82.07
3922.00	3747.00	3561.93	82.07
3923.00	3748.00	3561.90	82.07
3924.00	3749.00	3561.86	82.07
3925.00	3750.00	3561.83	82.07
3926.00	3751.00	3561.81	82.07
3927.00	3752.00	3561.78	82.07
3928.00	3753.00	3561.76	82.07
3929.00	3754.00	3561.74	82.07
3930.00	3755.00	3561.70	82.08
3931.00	3756.00	3561.67	82.08
3932.00	3757.00	3561.65	82.08
3933.00	3758.00	3561.62	82.08
3934.00	3759.00	3561.59	82.08
3935.00	3760.00	3561.56	82.08
3936.00	3761.00	3561.52	82.08
3937.00	3762.00	3561.49	82.08
3938.00	3763.00	3561.43	82.09
3939.00	3764.00	3561.40	82.09
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3942.00	3767.00	3561.33	82.07
3943.00	3768.00	3561.30	82.08
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3945.00	3770.00	3561.23	82.09
3946.00	3771.00	3561.19	82.09
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3952.00	3777.00	3560.98	82.10
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3954.00	3779.00	3560.93	82.08
3955.00	3780.00	3560.90	82.09
3956.00	3781.00	3560.89	82.09
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3971.00	3796.00	3560.45	82.10
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3975.00	3800.00	3560.32	82.10
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3977.00	3802.00	3560.25	82.10
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3979.00	3804.00	3560.18	82.10
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3981.00	3806.00	3560.10	82.11
3982.00	3807.00	3560.08	82.10
3983.00	3808.00	3560.04	82.10
3984.00	3809.00	3560.01	82.10
3985.00	3810.00	3559.98	82.11
3986.00	3811.00	3559.96	82.11
3987.00	3812.00	3559.93	82.11
3988.00	3813.00	3559.92	82.11
3989.00	3814.00	3559.90	82.11
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3995.00	3820.00	3559.72	82.11
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3997.00	3822.00	3559.64	82.12
3998.00	3823.00	3559.61	82.10
3999.00	3824.00	3559.56	82.11
4000.00	3825.00	3559.53	82.11
4001.00	3826.00	3559.48	82.12
4002.00	3827.00	3559.45	82.12
4003.00	3828.00	3559.44	82.12
4004.00	3829.00	3559.42	82.12
4005.00	3830.00	3559.41	82.12
4006.00	3831.00	3559.40	82.12
4007.00	3832.00	3559.38	82.12

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4009.00	3834.00	3559.32	82.12
4010.00	3835.00	3559.28	82.12
4011.00	3836.00	3559.25	82.12
4012.00	3837.00	3559.22	82.12
4013.00	3838.00	3559.19	82.12
4014.00	3839.00	3559.16	82.12
4015.00	3840.00	3559.14	82.12
4016.00	3841.00	3559.11	82.12
4017.00	3842.00	3559.08	82.12
4018.00	3843.00	3559.05	82.12
4019.00	3844.00	3559.03	82.12
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4023.00	3848.00	3558.90	82.12
4024.00	3849.00	3558.88	82.12
4025.00	3850.00	3558.85	82.12
4026.00	3851.00	3558.81	82.13
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4041.00	3866.00	3558.38	82.14
4042.00	3867.00	3558.38	82.12
4043.00	3868.00	3558.38	82.13
4044.00	3869.00	3558.33	82.13
4045.00	3870.00	3558.29	82.14
4046.00	3871.00	3558.26	82.14
4047.00	3872.00	3558.22	82.14
4048.00	3873.00	3558.18	82.14
4049.00	3874.00	3558.14	82.14
4050.00	3875.00	3558.11	82.14
4051.00	3876.00	3558.07	82.14
4052.00	3877.00	3558.04	82.14
4053.00	3878.00	3558.03	82.13
4054.00	3879.00	3557.99	82.14

4055.00	3880.00	3557.97	82.14
4056.00	3881.00	3557.94	82.14
4057.00	3882.00	3557.91	82.14
4058.00	3883.00	3557.88	82.14
4059.00	3884.00	3557.85	82.14
4060.00	3885.00	3557.82	82.14
4061.00	3886.00	3557.79	82.15
4062.00	3887.00	3557.77	82.14
4063.00	3888.00	3557.75	82.14
4064.00	3889.00	3557.72	82.14
4065.00	3890.00	3557.69	82.15
4066.00	3891.00	3557.64	82.15
4067.00	3892.00	3557.61	82.15
4068.00	3893.00	3557.57	82.15
4069.00	3894.00	3557.54	82.15
4070.00	3895.00	3557.52	82.15
4071.00	3896.00	3557.49	82.15
4072.00	3897.00	3557.46	82.15
4073.00	3898.00	3557.42	82.15
4074.00	3899.00	3557.39	82.15
4075.00	3900.00	3557.37	82.15
4076.00	3901.00	3557.34	82.15
4077.00	3902.00	3557.31	82.15
4078.00	3903.00	3557.28	82.16
4079.00	3904.00	3557.26	82.16
4080.00	3905.00	3557.24	82.16
4081.00	3906.00	3557.21	82.16
4082.00	3907.00	3557.18	82.16
4083.00	3908.00	3557.16	82.16
4084.00	3909.00	3557.14	82.16
4085.00	3910.00	3557.11	82.16
4086.00	3911.00	3557.08	82.15
4087.00	3912.00	3557.04	82.16
4088.00	3913.00	3557.01	82.16
4089.00	3914.00	3556.97	82.16
4090.00	3915.00	3556.93	82.16
4091.00	3916.00	3556.90	82.16
4092.00	3917.00	3556.86	82.16
4093.00	3918.00	3556.83	82.16
4094.00	3919.00	3556.81	82.16
4095.00	3920.00	3556.78	82.16
4096.00	3921.00	3556.76	82.16
4097.00	3922.00	3556.72	82.17
4098.00	3923.00	3556.72	82.16
4099.00	3924.00	3556.70	82.16
4100.00	3925.00	3556.67	82.16
4101.00	3926.00	3556.65	82.16

4102.00	3927.00	3556.62	82.17
4103.00	3928.00	3556.60	82.17
4104.00	3929.00	3556.58	82.17
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4106.00	3931.00	3556.54	82.16
4107.00	3932.00	3556.51	82.17
4108.00	3933.00	3556.47	82.17
4109.00	3934.00	3556.41	82.18
4110.00	3935.00	3556.38	82.17
4111.00	3936.00	3556.33	82.17
4112.00	3937.00	3556.30	82.17
4113.00	3938.00	3556.26	82.17
4114.00	3939.00	3556.22	82.18
4115.00	3940.00	3556.20	82.18
4116.00	3941.00	3556.18	82.18
4117.00	3942.00	3556.16	82.18
4118.00	3943.00	3556.12	82.18
4119.00	3944.00	3556.11	82.18
4120.00	3945.00	3556.08	82.18
4121.00	3946.00	3556.05	82.18
4122.00	3947.00	3556.03	82.18
4123.00	3948.00	3556.00	82.18
4124.00	3949.00	3555.97	82.18
4125.00	3950.00	3555.94	82.18
4126.00	3951.00	3555.92	82.17
4127.00	3952.00	3555.89	82.18
4128.00	3953.00	3555.87	82.18
4129.00	3954.00	3555.84	82.19
4130.00	3955.00	3555.81	82.19
4131.00	3956.00	3555.77	82.19
4132.00	3957.00	3555.73	82.19
4133.00	3958.00	3555.69	82.19
4134.00	3959.00	3555.65	82.19
4135.00	3960.00	3555.62	82.19
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4138.00	3963.00	3555.53	82.19
4139.00	3964.00	3555.51	82.19
4140.00	3965.00	3555.49	82.19
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4142.00	3967.00	3555.44	82.19
4143.00	3968.00	3555.42	82.19
4144.00	3969.00	3555.40	82.19
4145.00	3970.00	3555.38	82.19
4146.00	3971.00	3555.35	82.19
4147.00	3972.00	3555.33	82.19
4148.00	3973.00	3555.28	82.19

4149.00	3974.00	3555.24	82.20
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4151.00	3976.00	3555.17	82.19
4152.00	3977.00	3555.15	82.19
4153.00	3978.00	3555.10	82.20
4154.00	3979.00	3555.08	82.20
4155.00	3980.00	3555.05	82.20
4156.00	3981.00	3555.03	82.20
4157.00	3982.00	3555.01	82.20
4158.00	3983.00	3554.98	82.20
4159.00	3984.00	3554.97	82.20
4160.00	3985.00	3554.95	82.20
4161.00	3986.00	3554.93	82.20
4162.00	3987.00	3554.91	82.19
4163.00	3988.00	3554.88	82.20
4164.00	3989.00	3554.84	82.20
4165.00	3990.00	3554.79	82.21
4166.00	3991.00	3554.76	82.21
4167.00	3992.00	3554.72	82.21
4168.00	3993.00	3554.69	82.21
4169.00	3994.00	3554.67	82.21
4170.00	3995.00	3554.66	82.20
4171.00	3996.00	3554.63	82.21
4172.00	3997.00	3554.61	82.21
4173.00	3998.00	3554.58	82.21
4174.00	3999.00	3554.56	82.20
4175.00	4000.00	3554.53	82.21
4176.00	4001.00	3554.50	82.21
4177.00	4002.00	3554.47	82.21
4178.00	4003.00	3554.44	82.21
4179.00	4004.00	3554.42	82.21
4180.00	4005.00	3554.39	82.21
4181.00	4006.00	3554.37	82.21
4182.00	4007.00	3554.35	82.20
4183.00	4008.00	3554.31	82.21
4184.00	4009.00	3554.26	82.21
4185.00	4010.00	3554.23	82.21
4186.00	4011.00	3554.20	82.21
4187.00	4012.00	3554.18	82.21
4188.00	4013.00	3554.17	82.21
4189.00	4014.00	3554.14	82.22
4190.00	4015.00	3554.13	82.21
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4192.00	4017.00	3554.08	82.21
4193.00	4018.00	3554.04	82.22
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4195.00	4020.00	3553.97	82.21

4196.00	4021.00	3553.94	82.21
4197.00	4022.00	3553.89	82.22
4198.00	4023.00	3553.88	82.21
4199.00	4024.00	3553.85	82.22
4200.00	4025.00	3553.83	82.22
4201.00	4026.00	3553.83	82.23
4202.00	4027.00	3553.83	82.22
4203.00	4028.00	3553.82	82.22
4204.00	4029.00	3553.75	82.22
4205.00	4030.00	3553.71	82.22
4206.00	4031.00	3553.68	82.21
4207.00	4032.00	3553.62	82.22
4208.00	4033.00	3553.57	82.22
4209.00	4034.00	3553.52	82.23
4210.00	4035.00	3553.48	82.23
4211.00	4036.00	3553.46	82.23
4212.00	4037.00	3553.44	82.23
4213.00	4038.00	3553.43	82.23
4214.00	4039.00	3553.43	82.22
4215.00	4040.00	3553.41	82.23
4216.00	4041.00	3553.39	82.23
4217.00	4042.00	3553.36	82.23
4218.00	4043.00	3553.33	82.22
4219.00	4044.00	3553.29	82.23
4220.00	4045.00	3553.26	82.23
4221.00	4046.00	3553.22	82.23
4222.00	4047.00	3553.19	82.23
4223.00	4048.00	3553.17	82.23
4224.00	4049.00	3553.15	82.23
4225.00	4050.00	3553.13	82.23
4226.00	4051.00	3553.10	82.23
4227.00	4052.00	3553.07	82.23
4228.00	4053.00	3553.03	82.23
4229.00	4054.00	3553.01	82.23
4230.00	4055.00	3552.97	82.24
4231.00	4056.00	3552.95	82.24
4232.00	4057.00	3552.92	82.24
4233.00	4058.00	3552.89	82.24
4234.00	4059.00	3552.87	82.24
4235.00	4060.00	3552.85	82.24
4236.00	4061.00	3552.83	82.24
4237.00	4062.00	3552.81	82.24
4238.00	4063.00	3552.78	82.25
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4241.00	4066.00	3552.72	82.23
4242.00	4067.00	3552.68	82.24

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4244.00	4069.00	3552.61	82.24
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4246.00	4071.00	3552.53	82.25
4247.00	4072.00	3552.49	82.25
4248.00	4073.00	3552.45	82.25
4249.00	4074.00	3552.42	82.25
4250.00	4075.00	3552.39	82.24
4251.00	4076.00	3552.36	82.25
4252.00	4077.00	3552.32	82.25
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4254.00	4079.00	3552.27	82.26
4255.00	4080.00	3552.24	82.26
4256.00	4081.00	3552.20	82.26
4257.00	4082.00	3552.16	82.26
4258.00	4083.00	3552.13	82.26
4259.00	4084.00	3552.10	82.26
4260.00	4085.00	3552.08	82.26
4261.00	4086.00	3552.06	82.26
4262.00	4087.00	3552.04	82.26
4263.00	4088.00	3552.02	82.26
4264.00	4089.00	3551.99	82.26
4265.00	4090.00	3551.97	82.26
4266.00	4091.00	3551.94	82.26
4267.00	4092.00	3551.93	82.26
4268.00	4093.00	3551.91	82.26
4269.00	4094.00	3551.89	82.26
4270.00	4095.00	3551.87	82.25
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4272.00	4097.00	3551.83	82.26
4273.00	4098.00	3551.79	82.26
4274.00	4099.00	3551.77	82.26
4275.00	4100.00	3551.74	82.26
4276.00	4101.00	3551.72	82.26
4277.00	4102.00	3551.69	82.26
4278.00	4103.00	3551.64	82.27
4279.00	4104.00	3551.61	82.26
4280.00	4105.00	3551.59	82.26
4281.00	4106.00	3551.56	82.26
4282.00	4107.00	3551.54	82.26
4283.00	4108.00	3551.53	82.26
4284.00	4109.00	3551.49	82.26
4285.00	4110.00	3551.49	82.27
4286.00	4111.00	3551.44	82.27
4287.00	4112.00	3551.41	82.27
4288.00	4113.00	3551.37	82.27
4289.00	4114.00	3551.34	82.27

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4291.00	4116.00	3551.28	82.27
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4294.00	4119.00	3551.19	82.27
4295.00	4120.00	3551.16	82.27
4296.00	4121.00	3551.14	82.27
4297.00	4122.00	3551.10	82.27
4298.00	4123.00	3551.07	82.28
4299.00	4124.00	3551.05	82.28
4300.00	4125.00	3551.02	82.28
4301.00	4126.00	3551.00	82.28
4302.00	4127.00	3550.97	82.28
4303.00	4128.00	3550.94	82.28
4304.00	4129.00	3550.91	82.28
4305.00	4130.00	3550.89	82.28
4306.00	4131.00	3550.86	82.28
4307.00	4132.00	3550.84	82.28
4308.00	4133.00	3550.82	82.28
4309.00	4134.00	3550.79	82.28
4310.00	4135.00	3550.76	82.28
4311.00	4136.00	3550.74	82.28
4312.00	4137.00	3550.71	82.28
4313.00	4138.00	3550.68	82.27
4314.00	4139.00	3550.65	82.28
4315.00	4140.00	3550.62	82.28
4316.00	4141.00	3550.59	82.28
4317.00	4142.00	3550.57	82.28
4318.00	4143.00	3550.55	82.28
4319.00	4144.00	3550.53	82.28
4320.00	4145.00	3550.51	82.28
4321.00	4146.00	3550.49	82.28
4322.00	4147.00	3550.46	82.28
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4328.00	4153.00	3550.30	82.29
4329.00	4154.00	3550.27	82.29
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4332.00	4157.00	3550.17	82.29
4333.00	4158.00	3550.14	82.29
4334.00	4159.00	3550.11	82.30
4335.00	4160.00	3550.09	82.29
4336.00	4161.00	3550.06	82.29

4337.00	4162.00	3550.04	82.28
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4339.00	4164.00	3549.98	82.29
4340.00	4165.00	3549.95	82.29
4341.00	4166.00	3549.91	82.30
4342.00	4167.00	3549.89	82.30
4343.00	4168.00	3549.87	82.30
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4363.00	4188.00	3549.37	82.30
4364.00	4189.00	3549.35	82.30
4365.00	4190.00	3549.31	82.31
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4368.00	4193.00	3549.21	82.31
4369.00	4194.00	3549.18	82.31
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4373.00	4198.00	3549.08	82.31
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4378.00	4203.00	3548.96	82.32
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4380.00	4205.00	3548.91	82.31
4381.00	4206.00	3548.89	82.30
4382.00	4207.00	3548.87	82.30
4383.00	4208.00	3548.83	82.31

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4385.00	4210.00	3548.75	82.32
4386.00	4211.00	3548.72	82.31
4387.00	4212.00	3548.69	82.32
4388.00	4213.00	3548.67	82.32
4389.00	4214.00	3548.64	82.33
4390.00	4215.00	3548.62	82.33
4391.00	4216.00	3548.60	82.32
4392.00	4217.00	3548.57	82.32
4393.00	4218.00	3548.54	82.31
4394.00	4219.00	3548.49	82.33
4395.00	4220.00	3548.45	82.33
4396.00	4221.00	3548.42	82.33
4397.00	4222.00	3548.38	82.33
4398.00	4223.00	3548.35	82.32
4399.00	4224.00	3548.35	82.32
4400.00	4225.00	3548.32	82.33
4401.00	4226.00	3548.32	82.33
4402.00	4227.00	3548.32	82.33
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4410.00	4235.00	3548.11	82.33
4411.00	4236.00	3548.08	82.33
4412.00	4237.00	3548.05	82.33
4413.00	4238.00	3548.01	82.34
4414.00	4239.00	3547.98	82.34
4415.00	4240.00	3547.94	82.34
4416.00	4241.00	3547.91	82.34
4417.00	4242.00	3547.86	82.34
4418.00	4243.00	3547.84	82.33
4419.00	4244.00	3547.84	82.34
4420.00	4245.00	3547.80	82.34
4421.00	4246.00	3547.77	82.35
4422.00	4247.00	3547.74	82.35
4423.00	4248.00	3547.72	82.34
4424.00	4249.00	3547.68	82.34
4425.00	4250.00	3547.65	82.33
4426.00	4251.00	3547.59	82.35
4427.00	4252.00	3547.56	82.35
4428.00	4253.00	3547.54	82.35
4429.00	4254.00	3547.53	82.35
4430.00	4255.00	3547.52	82.34

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4432.00	4257.00	3547.45	82.35
4433.00	4258.00	3547.43	82.35
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4435.00	4260.00	3547.37	82.35
4436.00	4261.00	3547.35	82.35
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4439.00	4264.00	3547.26	82.35
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4441.00	4266.00	3547.19	82.35
4442.00	4267.00	3547.16	82.36
4443.00	4268.00	3547.14	82.36
4444.00	4269.00	3547.11	82.36
4445.00	4270.00	3547.09	82.36
4446.00	4271.00	3547.07	82.36
4447.00	4272.00	3547.05	82.36
4448.00	4273.00	3547.02	82.36
4449.00	4274.00	3546.99	82.36
4450.00	4275.00	3546.96	82.37
4451.00	4276.00	3546.94	82.37
4452.00	4277.00	3546.91	82.37
4453.00	4278.00	3546.88	82.37
4454.00	4279.00	3546.86	82.37
4455.00	4280.00	3546.84	82.37
4456.00	4281.00	3546.81	82.37
4457.00	4282.00	3546.79	82.37
4458.00	4283.00	3546.76	82.36
4459.00	4284.00	3546.73	82.37
4460.00	4285.00	3546.71	82.37
4461.00	4286.00	3546.67	82.37
4462.00	4287.00	3546.63	82.37
4463.00	4288.00	3546.60	82.37
4464.00	4289.00	3546.57	82.37
4465.00	4290.00	3546.54	82.37
4466.00	4291.00	3546.50	82.38
4467.00	4292.00	3546.49	82.37
4468.00	4293.00	3546.47	82.37
4469.00	4294.00	3546.44	82.37
4470.00	4295.00	3546.42	82.37
4471.00	4296.00	3546.39	82.37
4472.00	4297.00	3546.39	82.37
4473.00	4298.00	3546.38	82.38
4474.00	4299.00	3546.38	82.38
4475.00	4300.00	3546.32	82.38
4476.00	4301.00	3546.30	82.38
4477.00	4302.00	3546.26	82.38

4478.00	4303.00	3546.22	82.39
4479.00	4304.00	3546.19	82.39
4480.00	4305.00	3546.16	82.39
4481.00	4306.00	3546.14	82.39
4482.00	4307.00	3546.15	82.37
4483.00	4308.00	3546.14	82.38
4484.00	4309.00	3546.10	82.38
4485.00	4310.00	3546.07	82.39
4486.00	4311.00	3546.05	82.38
4487.00	4312.00	3546.01	82.39
4488.00	4313.00	3545.98	82.39
4489.00	4314.00	3545.95	82.39
4490.00	4315.00	3545.92	82.39
4491.00	4316.00	3545.89	82.39
4492.00	4317.00	3545.87	82.39
4493.00	4318.00	3545.85	82.39
4494.00	4319.00	3545.82	82.39
4495.00	4320.00	3545.78	82.69
4496.00	4321.00	3545.27	82.97
4497.00		3490.35	83.27
4497.25		3472.08	84.30
4497.50		3452.78	85.24
4497.75		3433.26	86.18
4498.00		3412.99	87.13
4498.25		3392.26	88.07
4498.50		3372.14	89.02
4498.75		3366.45	89.96
4499.00		3365.74	90.91
4499.25		3365.73	91.72
4499.50		3365.48	92.81
4499.75		3365.15	93.76
4500.00		3363.09	94.71
4500.25		3362.78	95.48
4500.50		3362.74	96.07
4500.75		3362.82	96.66
4501.00		3362.91	97.24
4501.25		3362.98	97.84
4501.50		3363.13	98.42
4501.75		3363.27	99.01
4502.00		3363.47	99.60
4502.25		3363.67	100.19
4502.50		3363.88	100.78
4502.75		3364.08	101.37
4503.00		3364.15	101.97
4503.25		3364.42	102.41
4503.50		3364.75	102.75
4503.75		3365.09	103.10

4504.00		3365.42	103.45
4504.25		3365.76	103.80
4504.50		3366.09	104.15
4504.75		3366.30	104.50
4505.00		3366.58	104.85
4505.25		3366.85	105.20
4505.50		3367.06	105.55
4505.75		3367.28	105.90
4506.00		3367.49	106.24
4506.25		3367.70	106.51
4506.50		3367.95	106.74
4506.75		3368.20	106.96
4507.00		3368.46	107.18
4507.25		3368.71	107.40
4507.50		3368.89	107.63
4507.75		3369.23	107.85
4508.00		3369.22	108.07
4508.25		3369.35	108.29
4508.50		3369.54	108.51
4508.75		3366.72	108.73
4509.00		3347.43	108.96
4509.25		3326.46	109.14
4509.50		3305.29	109.11
4509.75		3283.88	109.08
4510.00		3261.97	109.05
4510.25		3239.46	109.02
4510.50		3217.07	108.99
4510.75		3194.55	108.97
4511.00		3171.42	108.94
4511.25		3148.05	108.91
4511.50		3124.44	108.88
4511.75		3100.83	108.85
4512.00		3077.09	108.82
4512.25		3053.04	108.73
4512.50		3028.92	108.55
4512.75		3004.43	108.38
4513.00		2979.94	108.21
4513.25		2956.19	108.03
4513.50		2940.75	107.86
4513.75		2940.78	107.69
4514.00		2940.78	107.54
4514.25		2940.82	107.34
4514.50		2940.89	107.17
4514.75		2940.96	107.00
4515.00		2941.05	106.82
4515.25		2941.16	106.65
4515.50		2941.26	106.51

4515.75		2941.37	106.37
4516.00		2941.47	106.25
4516.25		2941.57	106.09
4516.50		2941.67	105.95
4516.75		2941.77	105.82
4517.00		2941.85	105.67
4517.25		2942.28	105.54
4517.50		2942.29	105.40
4517.75		2942.30	105.26
4518.00		2942.29	105.12
4518.25		2942.14	105.01
4518.50		2942.03	104.94
4518.75		2941.97	104.85
4519.00		2941.92	104.76
4519.25		2941.92	104.68
4519.50		2941.86	104.59
4519.75		2941.86	104.51
4520.00		2941.87	104.42
4520.25		2941.74	104.34
4520.50		2941.63	104.25
4520.75		2941.55	104.17
4521.00		2941.44	104.09
4522.00		2941.37	103.83
4523.00		2921.24	103.62
4523.25		2902.04	103.56
4523.50		2883.05	103.36
4523.75		2863.70	103.16
4524.00		2844.10	102.96
4524.25		2824.25	102.76
4524.50		2803.67	102.56
4524.75		2782.35	102.36
4525.00		2759.93	102.16
4525.25		2734.80	101.97
4525.50		2709.92	101.77
4525.75		2684.68	101.57
4526.00		2658.94	101.37
4526.25		2632.67	101.03
4526.50		2606.93	100.63
4526.75		2580.56	100.24
4527.00		2554.07	99.85
4527.25		2528.68	99.46
4527.50		2509.54	99.06
4527.75		2509.05	98.67
4528.00		2509.18	98.28
4528.25		2509.33	97.89
4528.50		2509.47	97.49
4528.75		2509.51	97.10

4529.00		2509.57	96.71
4529.25		2509.86	96.37
4529.50		2509.83	96.11
4529.75		2509.80	95.84
4530.00		2509.78	95.57
4530.25		2509.75	95.30
4530.50		2509.73	95.03
4530.75		2509.68	94.77
4531.00		2509.61	94.50
4531.25		2509.54	94.23
4531.50		2509.46	93.96
4531.75		2509.37	93.69
4532.00		2509.28	93.43
4532.25		2509.18	93.22
4532.50		2508.96	93.05
4532.75		2508.65	92.89
4533.00		2508.63	92.72
4533.25		2508.58	92.56
4533.50		2508.50	92.40
4533.75		2508.42	92.23
4534.00		2508.32	92.07
4534.25		2508.21	91.91
4534.50		2508.11	91.74
4534.75		2508.02	91.58
4535.00		2507.93	91.41
4535.25		2507.80	91.29
4535.50		2507.71	91.11
4535.75		2507.68	90.94
4536.00		2507.65	90.78
4536.25		2507.58	90.60
4536.50		2507.37	90.43
4536.75		2505.51	90.26
4537.00		2485.34	90.09
4537.25		2461.72	89.92
4537.50		2438.10	89.75
4537.75		2414.12	89.58
4538.00		2389.51	89.41
4538.25		2364.01	89.08
4538.50		2338.46	88.63
4538.75		2312.16	88.18
4539.00		2285.48	87.73
4539.25		2258.07	87.28
4539.50		2230.77	86.83
4539.75		2203.60	86.37
4540.00		2175.55	85.93
4540.25		2147.50	85.47
4540.50		2118.96	85.02

4540.75		2093.73	84.57
4541.00		2076.73	84.12
4541.25		2073.92	83.59
4541.50		2073.94	83.17
4541.75		2074.19	82.75
4542.00		2074.30	82.33
4542.25		2074.29	81.97
4542.50		2074.52	81.49
4542.75		2074.52	81.07
4543.00		2074.54	80.66
4543.25		2074.56	80.23
4543.50		2074.58	79.81
4543.75		2074.50	79.40
4544.00		2074.29	78.97
4544.25		2074.32	78.65
4544.50		2074.06	78.38
4544.75		2074.05	78.13
4545.00		2073.98	77.87
4545.25		2073.89	77.62
4545.50		2073.67	77.36
4545.75		2073.37	77.10
4546.00		2073.37	76.85
4546.25		2073.11	76.59
4546.50		2073.11	76.33
4546.75		2073.09	76.08
4547.00		2073.03	75.82
4547.25		2072.91	75.62
4547.50		2072.77	75.46
4547.75		2072.66	75.30
4548.00		2072.55	75.13
4548.25		2072.45	74.97
4548.50		2072.38	74.81
4548.75		2072.27	74.65
4549.00		2072.14	74.48
4549.25		2072.01	74.32
4549.50		2071.93	74.16
4549.75		2071.86	74.00
4550.00		2071.77	73.83
4550.25		2071.63	73.72
4550.50		2071.40	73.53
4550.75		2069.66	73.34
4551.00		2051.87	73.16
4551.25		2029.64	72.97
4551.50		2006.79	72.79
4551.75		1983.82	72.60
4552.00		1960.11	72.42
4552.25		1935.89	72.23

4552.50		1911.56	72.04
4552.75		1887.10	71.86
4553.00		1861.41	71.67
4553.25		1835.76	71.40
4553.50		1809.47	71.15
4553.75		1783.44	70.89
4554.00		1759.99	70.63
4554.25		1738.89	70.37
4554.50		1719.13	70.12
4554.75		1699.01	69.86
4555.00		1679.75	69.60
4555.25		1663.70	69.34
4555.50		1653.56	69.09
4555.75		1648.48	68.83
4556.00		1648.33	68.58
4556.25		1648.30	68.43
4556.50		1648.22	68.40
4556.75		1648.12	68.38
4557.00		1647.98	68.36
4557.25		1647.83	68.33
4557.50		1647.66	68.30
4557.75		1647.49	68.28
4558.00		1647.32	68.25
4558.25		1647.16	68.23
4558.50		1647.01	68.21
4558.75		1646.85	68.18
4559.00		1646.69	68.15
4559.25		1646.51	68.20
4559.50		1646.33	68.25
4559.75		1646.18	68.32
4560.00		1646.05	68.37
4560.25		1645.91	68.43
4560.50		1645.91	68.49
4560.75		1645.89	68.55
4561.00		1645.71	68.60
4561.25		1645.61	68.67
4561.50		1645.51	68.72
4561.75		1645.50	68.78
4562.00		1645.34	68.84
4563.00		1645.16	69.14
4564.00		1644.96	69.47
4565.00		1644.78	69.79
4566.00		1640.94	70.11
4566.25		1643.99	70.18
4566.50		1647.65	70.27
4566.75		1646.27	70.35
4567.00		1594.44	70.43

4567.25		1598.23	70.52
4567.50		1601.40	70.60
4567.75		1604.82	70.68
4568.00		1608.37	70.76
4568.25		1611.66	70.85
4568.50		1615.21	70.93
4568.75		1618.26	71.01
4569.00		1621.18	71.10
4569.25		0.01	71.18
4569.50		0.01	71.22
4569.75		0.01	71.28
4570.00		0.01	71.33
4570.25		0.01	71.38
4570.50		0.01	71.43
4570.75		0.01	71.49
4571.00		0.01	71.53
4571.25		0.01	71.59
4571.50		0.01	71.64
4571.75		0.01	71.69
4572.00		0.01	71.74
4572.25		0.01	71.79
4572.50		0.01	71.84
4572.75		0.01	71.89
4573.00		0.01	71.94
4573.25		0.01	71.98
4573.50		0.01	72.04
4573.75		0.01	72.08
4574.00		0.01	72.13
4574.25		0.01	72.18
4574.50		0.01	72.23
4574.75		0.01	72.28
4575.00		0.01	72.32
4575.25		0.01	72.42
4575.50		0.01	72.47
4575.75		0.01	72.55
4576.00		0.01	72.61
4576.25		0.01	72.67
4576.50		0.01	72.72
4576.75		0.01	72.77
4577.00		0.01	72.83
4577.25		0.01	72.89
4577.50		0.01	72.94
4577.75		0.01	73.00
4578.00		0.01	73.06
4578.25		0.01	73.11
4578.50		0.01	73.24
4578.75		0.01	73.31

4579.00		0.01	73.40
4579.25		0.01	73.50
4579.50		0.01	73.59
4579.75		0.01	73.67
4580.00		0.01	73.76
4580.25		0.01	73.84
4580.50		0.01	73.92
4580.75		0.01	74.00
4581.00		0.01	74.08

[illegible]

Injecting ~4560 bbl/day

Open crown valve to pressure-up lubricator

Run into hole with pressure bombs

[illegible]

Bombs at mid-perf 4405', hold for stablized injection pressure

[illegible]

[illegible]

[illegible][illegible]

	Delta F-O Time	Pressure
	Minutes	Psig
Final stabilized bottomhole injection pressure at mid-perfs	0.00	3911.63
Shut down injection, SI wellhead valves for 72-hr fall-off test	1.00	3903.55
	1.25	3903.10
	1.50	3902.23
	1.75	3901.43
	2.00	3900.69
	2.25	3899.95
	2.50	3899.28
	2.75	3898.59

	3.00	3897.92
	3.25	3897.30
	3.50	3896.75
	3.75	3896.19
	4.00	3895.64
	4.25	3895.08
	4.50	3894.46
	4.75	3893.97
	5.00	3893.54
	5.25	3893.04
	5.50	3892.55
	5.75	3892.12
	6.00	3891.75
	6.25	3891.31
	6.50	3890.82
	6.75	3890.39
	7.00	3889.95
	7.25	3889.53
	7.50	3889.16
	7.75	3888.72
	8.00	3888.29
	8.25	3887.92
	8.50	3887.55
	8.75	3886.94
	9.00	3886.75
	9.25	3886.20
	9.50	3886.01
	9.75	3885.70
	10.00	3885.25
	10.25	3884.68
	10.50	3884.51
	10.75	3884.20
	11.00	3883.68
	11.25	3883.52
	11.50	3883.21
	11.75	3882.84
	12.00	3882.47
	12.25	3881.95
	12.50	3881.79
	12.75	3881.33
	13.00	3881.17
	13.25	3880.62
	13.50	3880.47
	13.75	3880.19
	14.00	3879.87
	14.25	3879.35
	14.50	3879.21

	14.75	3879.01
	15.00	3878.70
	15.25	3878.23
	15.50	3878.07
	15.75	3877.76
	16.00	3877.24
	16.25	3877.10
	16.50	3876.90
	16.75	3876.68
	17.00	3876.33
	17.25	3875.77
	17.50	3875.63
	17.75	3875.47
	18.00	3875.21
	18.25	3874.89
	18.50	3874.37
	18.75	3874.23
	19.00	3874.04
	19.25	3873.82
	19.50	3873.59
	19.75	3873.28
	20.00	3872.88
	20.25	3872.73
	20.50	3872.46
	20.75	3872.01
	21.00	3871.87
	21.25	3871.67
	21.50	3871.45
	21.75	3871.22
	22.00	3870.97
	22.25	3870.74
	22.50	3870.48
	22.75	3870.23
	23.00	3869.86
	23.25	3869.40
	23.50	3869.27
	23.75	3869.12
	24.00	3868.93
	24.25	3868.71
	24.50	3868.48
	24.75	3868.24
	25.00	3867.99
	25.25	3867.74
	25.50	3867.50
	25.75	3867.25
	26.00	3867.00
	26.25	3866.77

	26.50	3866.57
	26.75	3866.35
	27.00	3866.11
	27.25	3865.88
	27.50	3865.64
	27.75	3865.39
	28.00	3865.14
	28.25	3864.92
	28.50	3864.71
	28.75	3864.49
	29.00	3864.28
	29.25	3864.08
	29.50	3863.87
	29.75	3863.65
	30.00	3863.41
	30.25	3863.17
	30.50	3862.92
	30.75	3862.69
	31.00	3862.48
	31.25	3862.27
	31.50	3862.03
	31.75	3861.79
	32.00	3861.57
	32.25	3861.36
	32.50	3861.17
	32.75	3860.98
	33.00	3860.77
	33.25	3860.55
	33.50	3860.31
	33.75	3860.10
	34.00	3859.82
	34.25	3859.49
	34.50	3859.36
	34.75	3859.20
	35.00	3859.01
	35.25	3858.81
	35.50	3858.62
	35.75	3858.42
	36.00	3858.21
	36.25	3858.03
	36.50	3857.78
	36.75	3857.41
	37.00	3857.30
	37.25	3857.14
	37.50	3856.95
	37.75	3856.76
	38.00	3856.57

	38.25	3856.39
	38.50	3856.20
	38.75	3856.02
	39.00	3855.82
	39.25	3855.61
	39.50	3855.41
	39.75	3855.21
	40.00	3854.99
	40.25	3854.81
	40.50	3854.63
	40.75	3854.45
	41.00	3854.28
	41.25	3854.12
	41.50	3853.93
	41.75	3853.73
	42.00	3853.54
	42.25	3853.34
	42.50	3853.14
	42.75	3852.89
	43.00	3852.54
	43.25	3852.42
	43.50	3852.28
	43.75	3852.15
	44.00	3852.01
	44.25	3851.84
	44.50	3851.68
	44.75	3851.53
	45.00	3851.35
	45.25	3851.18
	45.50	3850.98
	45.75	3850.77
	46.00	3850.57
	46.25	3850.38
	46.50	3850.18
	46.75	3849.99
	47.00	3849.82
	47.25	3849.59
	47.50	3849.25
	47.75	3849.18
	48.00	3849.05
	48.25	3848.87
	48.50	3848.71
	48.75	3848.55
	49.00	3848.36
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	49.75	3847.82

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	55.00	3844.31
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	4198.00	3511.47
	4199.00	3511.45
	4200.00	3511.43
	4201.00	3511.40
	4202.00	3511.37
	4203.00	3511.33
	4204.00	3511.31
	4205.00	3511.29
	4206.00	3511.26
	4207.00	3511.25
	4208.00	3511.23
	4209.00	3511.19
	4210.00	3511.15
	4211.00	3511.12
	4212.00	3511.07
	4213.00	3511.03
	4214.00	3511.01
	4215.00	3510.99
	4216.00	3510.97
	4217.00	3510.95
	4218.00	3510.93
	4219.00	3510.91
	4220.00	3510.89
	4221.00	3510.87
	4222.00	3510.84
	4223.00	3510.82
	4224.00	3510.79
	4225.00	3510.75
	4226.00	3510.70

[illegible]

[illegible]

Pressure gradient stop at 4000'

[illegible]

pressure gradient stop at 2000'

[illegible]

Pressure gradient stop at surface

[illegible]

[illegible]