



Texaco E & P

205 E. Bender Blvd.
Hobbs NM 88240
505 393 7191

1 P/16 N/R

July 27, 1999

New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Attn: Mr. David Catanach

**Re: Approval to Increase Injection Pressure
Getty "24" Federal #5
API #: 30 015 26848
C - 24 - 22S - 31E
Eddy County, New Mexico**

JUL 29 1999
NEW MEXICO OIL CONSERVATION DIVISION

Dear Mr. Catanach,

Texaco E & P Inc. respectfully requests approval to increase the maximum injection pressure on the Getty "24" Federal #5 SWD to 1,780 psig. Dowell Schlumberger performed a step rate injection test on the Getty 24 Federal #5 July 20th, 1999. The tabulated data and associated plot are attached. The requested pressure limit was determined to be 1,780 psig by taking the break-over point on the graph and subtracting 50 psig. A copy of Administrative Order **SWD-440** is also attached.

Thank you for your consideration of this proposal.

Sincerely,

Darrell J. Carriger
Production Engineer
Texaco E & P Inc.
Hobbs Operating Unit

/dj
file

cc: Mr. Tim Gum (NMOCD District II Director - Artesia)
Attachments

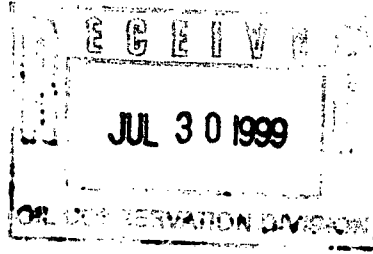


Texaco E & P

205 E. Bender Blvd.
Hobbs NM 88240
505 393 7191

July 27, 1999

New Mexico Oil Conservation Division
District II
811 South First
Artesia, NM 88210



Attn: Mr. Tim Gum
Division II Director

Re: **30-Day Temporary Approval to Increase Injection Pressure**
Getty "24" Federal #5
API #: 30 015 26848
C - 24 - 22S - 31E
Eddy County, New Mexico

Dear Mr. Gum,

Texaco E & P Inc. respectfully requests a 30-day temporary approval to increase the injection pressure on the above captioned well to 1,780 psig. An application requesting permanent approval for this increase was mailed to the Division Director in Santa Fe July 27th, 1999. The temporary 30-day approval will allow additional processing time for the Division Director as well as provide Texaco with additional disposal capacity with minimal production curtailment.

Dowell Schlumberger performed a step rate injection test on the Getty 24 Federal #5 July 20th, 1999. The tabulated data and associated plot are attached. The requested pressure limit was determined to be 1,780 psig by taking the break-over point on the graph and subtracting 50 psig. A copy of Administrative Order **SWD-440** is also attached.

Please indicate your approval by signing in the space provided below. If you have any questions regarding this matter I can be contacted at (505) 397-0426. Thank you for your consideration of this proposal.

Sincerely,

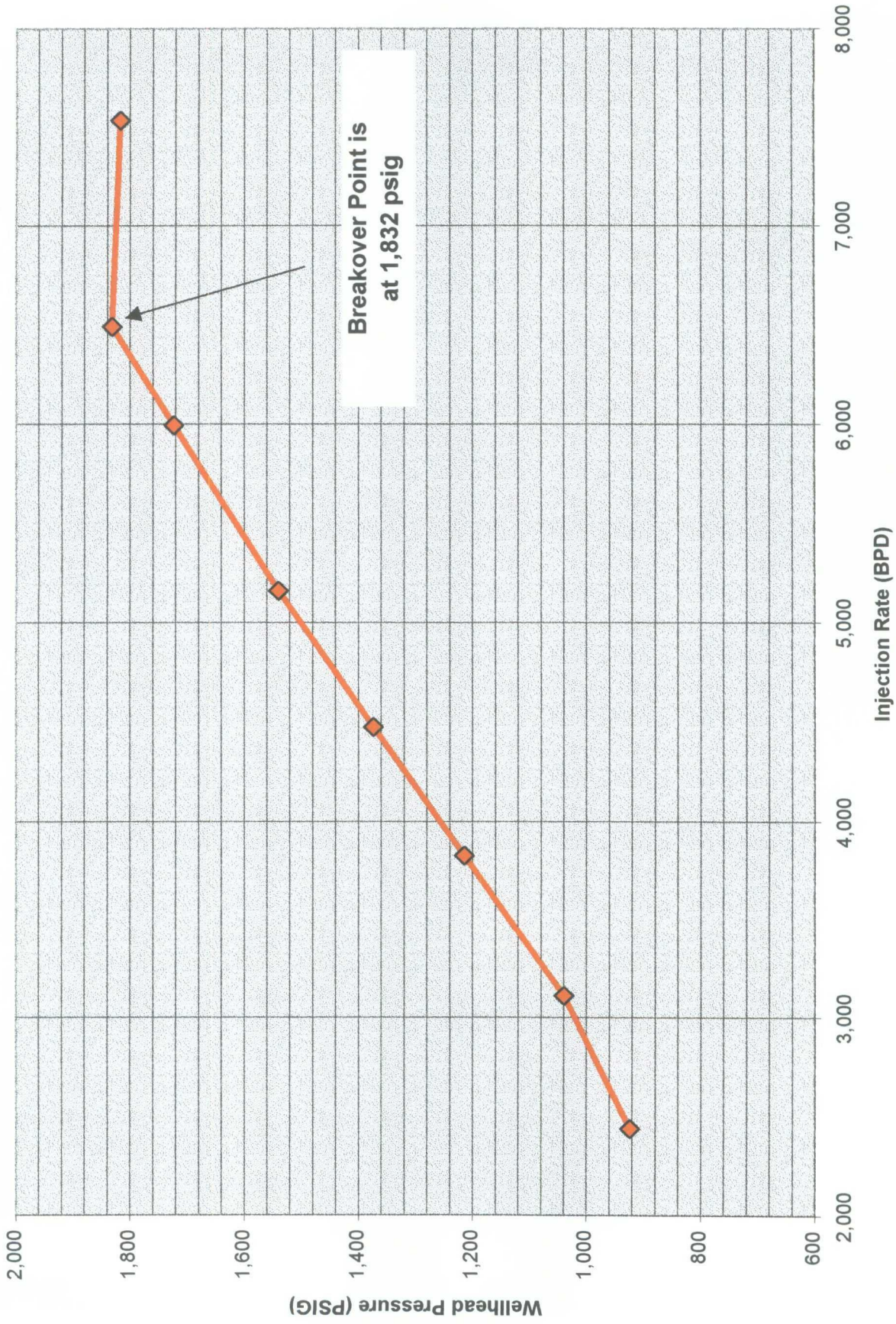
Darrell J. Carriger
Production Engineer
Texaco E & P Inc.

/djc
file

Approved By: _____

Date: _____

Step Rate Injection Test - Getty 24 Federal #4





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

BRUCE KING
GOVERNOR

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

ADMINISTRATIVE ORDER NO. SWD-440

APPLICATION OF TEXACO PRODUCING, INC.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Texaco Producing, Inc. made application to the New Mexico Oil Conservation Division on August 15, 1991, for permission to complete for salt water disposal its Getty "24" Federal Well No. 5 located in Unit C of Section 24, Township 22 South, Range 31 East, NMPM, Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations.
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

- (1) The applicant herein, Texaco Producing, Inc. is hereby authorized to complete its Getty "24" Federal Well No. 5 located in Unit C of Section 24, Township 22 South, Range 31 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Delaware formation at approximately 4500 feet to approximately 5000 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 4400 feet.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 900 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Delaware formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

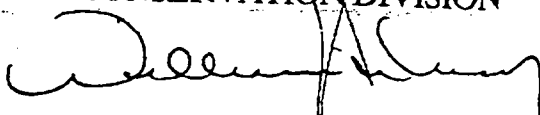
PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

Administrative Order No. SWD-440
Texaco Producing, Inc.
September 5, 1991
Page 3

The operator shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 5th day of September, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL

cc: Oil Conservation Division - Artesia
US Bureau of Land Management - Carlsbad

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
0.6732	969.408	745.9			
0.6867	988.848	746.1			
0.7002	1008.288	746.2	1.7	2,435	924
0.7092	1021.248	743.2	2.2	3,110	1,040
0.7167	1032.048	745.3	2.7	3,828	1,215
0.7222	1039.968	745	3.1	4,473	1,374
0.7265	1046.16	741.1	3.6	5,161	1,540
0.7298	1050.912	744.2	4.2	5,993	1,724
0.7324	1054.656	744	4.5	6,491	1,832
0.7343	1057.392	743.4	5.2	7,528	1,818
0.7358	1059.552	743.1			
0.7369	1061.136	741.3			
0.7378	1062.432	743.7			
0.7385	1063.44	742.3			
0.739	1064.16	741.1			
0.7397	1065.168	742.7			
0.7399	1065.456	743.2			
0.7402	1065.888	741.6			
0.7404	1066.176	742.5			
0.7405	1066.32	743.5			
0.7406	1066.464	742.6			
0.7406	1066.464	741.3			
0.7407	1066.608	743.9			
0.7242	1042.848	742.4			
0.7352	1058.688	741.2			
0.7334	1056.096	743.4			
0.7364	1060.416	740.7			
0.7368	1060.992	740.5			
0.738	1062.72	742.6			
0.7385	1063.44	738.6			
0.7391	1064.304	742.6			
0.7394	1064.736	741.1			
0.7233	1041.552	738.8			
0.7345	1057.68	742.2			
0.7328	1055.232	737.9			
0.736	1059.84	740.7			
0.7365	1060.56	741.7			
0.7383	1063.152	742.2			
0.7389	1064.016	739.4			
0.7228	1040.832	739.7			
0.7342	1057.248	741.9			
0.7326	1054.944	738.1			
0.7358	1059.552	740.7			
0.7364	1060.416	740.3			
0.7376	1062.144	737.9			
0.7382	1063.008	740			
0.7224	1040.256	738.5			
0.7338	1056.672	737.1			
0.7323	1054.512	739.2			
0.7356	1059.264	737.9			
0.7362	1060.128	738.2			
0.7375	1062	739.3			
0.7217	1039.248	735.3			
0.7333	1055.952	738.9			
0.7319	1053.936	738.7			
0.7353	1058.832	736.8			
0.736	1059.84	739.2			
0.7373	1061.712	737.8			
0.7222	1039.968	740.3			
0.7336	1056.384	736.6			
0.7322	1054.368	739.6			
0.7355	1059.12	739.4			
0.7361	1059.984	735.8			

} DATA POINTS
ON PLOT

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
0.721	1038.24	739			
0.7326	1054.944	737.4			
0.7314	1053.216	736.4			
0.7349	1058.256	740.1			
0.7357	1059.408	738			
0.7371	1061.424	738.5			
0.7378	1062.432	739.5			
0.7221	1039.824	735.4			
0.7335	1056.24	739			
0.7321	1054.224	737.3			
0.7354	1058.976	736.3			
0.7361	1059.984	738.5			
0.721	1038.24	737.4			
0.7326	1054.944	736.3			
0.7314	1053.216	740.1			
0.7349	1058.256	736.4			
0.7206	1037.664	740.3			
0.7323	1054.512	735.5			
0.7348	1058.112	737.4			
0.7205	1037.52	740.1			
0.7323	1054.512	738			
0.7312	1052.928	738.5			
0.7347	1057.968	741			
0.7355	1059.12	737.5			
0.7205	1037.52	740.2			
0.7322	1054.368	739.9			
0.7312	1052.928	737.6			
0.7347	1057.968	739.8			
0.7355	1059.12	739.8			
0.7205	1037.52	737.5			
0.7322	1054.368	741.3			
0.7312	1052.928	737.2			
0.7347	1057.968	738.6			
0.7355	1059.12	740.8			
0.7205	1037.52	737.4			
0.7322	1054.368	740.1			
0.7312	1052.928	739.8			
0.7347	1057.968	737.6			
0.7191	1035.504	739.8			
0.7315	1053.36	738.3			
0.7177	1033.488	736			
0.7296	1050.624	736.8			
0.7294	1050.336	739.8			
0.7332	1055.808	736.5			
0.7344	1057.536	739.4			
0.7197	1036.368	739.3			
0.7316	1053.504	737.2			
0.7307	1052.208	741			
0.7188	1035.072	738			
0.7313	1053.072	741.5			
0.7302	1051.488	739			
0.7341	1057.104	739.3			
0.7185	1034.64	741.6			
0.7311	1052.784	737.9			
0.7301	1051.344	740.5			
0.734	1056.96	741.7			
0.7185	1034.64	738.3			
0.731	1052.64	742.2			
0.7301	1051.344	740.8			
0.7339	1056.816	738.6			
0.7184	1034.496	742			
0.731	1052.64	739.3			
0.7301	1051.344	738.1			
0.7175	1033.2	741.3			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
0.7294	1050.336	737.4			
0.7292	1050.048	738.7			
0.7331	1055.664	740.9			
0.7343	1057.392	737.5			
0.7315	1053.36	741.4			
0.7306	1052.064	738.1			
0.7178	1033.632	742			
0.7297	1050.768	740.7			
0.7294	1050.336	738.5			
0.7168	1032.192	743.5			
0.729	1049.76	739.8			
0.7288	1049.472	740.2			
0.7177	1033.488	740.4			
0.7304	1051.776	742			
0.7296	1050.624	743			
0.7336	1056.384	739.3			
0.7182	1034.208	741.4			
0.7308	1052.352	742.4			
0.7299	1051.056	738.9			
0.7173	1032.912	742.6			
0.7293	1050.192	741.2			
0.7291	1049.904	738.9			
0.7166	1031.904	743.7			
0.7288	1049.472	741.5			
0.7287	1049.328	740.9			
0.7163	1031.472	744.5			
0.7286	1049.184	740.9			
0.7779	1120.176	753.2			
0.8313	1197.072	777.4			
0.8821	1270.224	769.7			
0.9288	1337.472	770.5			
0.9609	1383.696	775.3			
0.9756	1404.864	771.7			
0.9911	1427.184	775.2			
1.051	1513.44	787.4			
1.059	1524.96	792.6			
1.098	1581.12	789.3			
1.098	1581.12	789.9			
1.127	1622.88	793.6			
1.137	1637.28	793.5			
1.133	1631.52	793.1			
1.152	1658.88	794.5			
1.14	1641.6	796.4			
1.161	1671.84	794.9			
1.152	1658.88	795.9			
1.166	1679.04	795.9			
1.151	1657.44	796.3			
1.168	1681.92	796.4			
1.168	1681.92	798.1			
1.157	1666.08	797.1			
1.17	1684.8	795.9			
1.154	1661.76	796.6			
1.17	1684.8	796.5			
1.17	1684.8	795.2			
1.158	1667.52	796.2			
1.171	1686.24	796.1			
1.155	1663.2	796.4			
1.17	1684.8	796.6			
1.159	1668.96	796.7			
1.171	1686.24	796.7			
1.155	1663.2	795.3			
1.171	1686.24	796.3			
1.159	1668.96	796.5			
1.155	1663.2	798.7			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
1.171	1686.24	797.9			
1.17	1684.8	797.8			
1.159	1668.96	797.6			
1.171	1686.24	799			
1.155	1663.2	799.4			
1.171	1686.24	798.4			
1.17	1684.8	799.8			
1.159	1668.96	798.4			
1.171	1686.24	799.9			
1.155	1663.2	799.9			
1.171	1686.24	800.5			
1.154	1661.76	799.1			
1.17	1684.8	800.4			
1.153	1660.32	800.3			
1.169	1683.36	799.2			
1.169	1683.36	800.4			
1.158	1667.52	798.8			
1.155	1663.2	798.7			
1.17	1684.8	800.1			
1.154	1661.76	798.6			
1.153	1660.32	800.1			
1.169	1683.36	800.2			
1.158	1667.52	800.3			
1.171	1686.24	800.7			
1.17	1684.8	801			
1.17	1684.8	800.7			
1.153	1660.32	800.6			
1.169	1683.36	800.9			
1.153	1660.32	801			
1.169	1683.36	801.2			
1.152	1658.88	801.2			
1.169	1683.36	801.3			
1.169	1683.36	801.4			
1.158	1667.52	801.4			
1.171	1686.24	801.4			
1.155	1663.2	801.5			
1.17	1684.8	801.5			
1.154	1661.76	801.5			
1.17	1684.8	801.5			
1.153	1660.32	801.5			
1.169	1683.36	801.5			
1.153	1660.32	801.5			
1.169	1683.36	801.5			
1.152	1658.88	801.5			
1.169	1683.36	801.5			
1.169	1683.36	801.5			
1.152	1658.88	801.5			
1.152	1658.88	801.5			
1.163	1674.72	801.5			
1.167	1680.48	803.1			
1.155	1663.2	802			
1.148	1653.12	801.9			
1.162	1673.28	801.9			
1.148	1653.12	803.3			
1.165	1677.6	803.8			
1.15	1656	802.9			
1.167	1680.48	804.2			
1.151	1657.44	802.9			
1.168	1681.92	804.4			
1.151	1657.44	804.5			
1.152	1658.88	805			
1.163	1674.72	803.7			
1.166	1679.04	804.9			
1.155	1663.2	804.9			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
1.152	1658.88	805.3			
1.164	1676.16	805.4			
1.151	1657.44	805.6			
1.167	1680.48	804.2			
1.151	1657.44	805.3			
1.168	1681.92	805.2			
1.151	1657.44	804			
1.152	1658.88	805.1			
1.163	1674.72	805.1			
1.15	1656	803.9			
1.166	1679.04	805			
1.151	1657.44	806.5			
1.151	1657.44	804.4			
1.15	1656	805.4			
1.166	1679.04	805.7			
1.15	1656	807.3			
1.151	1657.44	806.4			
1.162	1673.28	806.6			
1.149	1654.56	806.3			
1.166	1679.04	806.3			
1.15	1656	806.3			
1.15	1656	804.7			
1.162	1673.28	805.7			
1.149	1654.56	807			
1.165	1677.6	806.3			
1.15	1656	806.5			
1.15	1656	806.3			
1.162	1673.28	804.8			
1.149	1654.56	805.7			
1.149	1654.56	805.5			
1.161	1671.84	805.8			
1.149	1654.56	807.3			
1.149	1654.56	806.4			
1.148	1653.12	806.4			
1.148	1653.12	806.4			
1.161	1671.84	807.8			
1.148	1653.12	806.8			
1.165	1677.6	808.4			
1.15	1656	807.7			
1.149	1654.56	809.1			
1.149	1654.56	808.1			
1.149	1654.56	809.4			
1.148	1653.12	809.8			
1.161	1671.84	808.4			
1.148	1653.12	808.1			
1.148	1653.12	809.1			
1.144	1647.36	807.8			
1.159	1668.96	809.2			
1.146	1650.24	809.2			
1.147	1651.68	808.2			
1.16	1670.4	807.8			
1.147	1651.68	807.4			
1.148	1653.12	808.6			
1.16	1670.4	808.9			
1.148	1653.12	809.4			
1.148	1653.12	809.7			
1.148	1653.12	810.1			
1.144	1647.36	810.3			
1.159	1668.96	810.4			
1.146	1650.24	810.5			
1.147	1651.68	810.5			
1.143	1645.92	810.6			
1.158	1667.52	810.6			
1.146	1650.24	810.6			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
1.147	1651.68	810.6			
1.158	1667.52	810.7			
1.146	1650.24	810.7			
1.146	1650.24	810.7			
1.143	1645.92	810.7			
1.158	1667.52	810.7			
1.145	1648.8	810.7			
1.146	1650.24	810.7			
1.143	1645.92	810.7			
1.158	1667.52	810.7			
1.145	1648.8	810.7			
1.146	1650.24	810.7			
1.143	1645.92	810.7			
1.142	1644.48	810.7			
1.156	1664.64	810.7			
1.145	1648.8	810.7			
1.146	1650.24	810.7			
1.142	1644.48	810.7			
1.141	1643.04	812.2			
1.156	1664.64	811.2			
1.144	1647.36	811.4			
1.145	1648.8	811.1			
1.142	1644.48	812.6			
1.14	1641.6	812.1			
1.155	1663.2	813.4			
1.143	1645.92	812.1			
1.145	1648.8	813.6			
1.141	1643.04	813.6			
1.141	1643.04	814.2			
1.139	1640.16	814.4			
1.155	1663.2	813.1			
1.143	1645.92	812.7			
1.145	1648.8	812.2			
1.141	1643.04	813.4			
1.141	1643.04	812.1			
1.139	1640.16	812			
1.138	1638.72	813.1			
1.138	1638.72	813.5			
1.154	1661.76	812.4			
1.142	1644.48	813.7			
1.144	1647.36	813.8			
1.141	1643.04	812.7			
1.14	1641.6	813.9			
1.139	1640.16	814			
1.209	1740.96	831.3			
1.216	1751.04	837.1			
1.269	1827.36	837.1			
1.306	1880.64	849.7			
1.369	1971.36	861.5			
1.385	1994.4	863.5			
1.443	2077.92	867.3			
1.478	2128.32	874.7			
1.533	2207.52	893.6			
1.58	2275.2	900.9			
1.597	2299.68	900.5			
1.635	2354.4	904.3			
1.637	2357.28	906.9			
1.667	2400.48	909.1			
1.661	2391.84	910.7			
1.685	2426.4	911.9			
1.692	2436.48	915.9			
1.685	2426.4	914.6			
1.702	2450.88	917.1			
1.69	2433.6	919.9			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
1.702	2450.88	917.8			
1.707	2458.08	918.8			
1.709	2460.96	918			
1.693	2437.92	919.2			
1.71	2462.4	917.7			
1.694	2439.36	919.2			
1.711	2463.84	919.2			
1.695	2440.8	918.1			
1.711	2463.84	920.8			
1.695	2440.8	919.9			
1.712	2465.28	918.9			
1.695	2440.8	919.8			
1.712	2465.28	919.8			
1.695	2440.8	918.5			
1.712	2465.28	919.6			
1.695	2440.8	918.1			
1.695	2440.8	919.4			
1.712	2465.28	918.3			
1.695	2440.8	920.9			
1.712	2465.28	919.9			
1.695	2440.8	920.5			
1.712	2465.28	920.4			
1.695	2440.8	920.5			
1.712	2465.28	920.5			
1.695	2440.8	922.1			
1.712	2465.28	919.5			
1.695	2440.8	920.7			
1.712	2465.28	921.8			
1.695	2440.8	921.1			
1.712	2465.28	922.7			
1.695	2440.8	921.4			
1.712	2465.28	921.6			
1.695	2440.8	921.2			
1.712	2465.28	921.1			
1.695	2440.8	921			
1.712	2465.28	922.4			
1.695	2440.8	921.3			
1.695	2440.8	922.7			
1.712	2465.28	921.6			
1.695	2440.8	923.1			
1.695	2440.8	921.8			
1.706	2456.64	921.8			
1.694	2439.36	921.4			
1.709	2460.96	922.8			
1.694	2439.36	921.6			
1.711	2463.84	924.7			
1.694	2439.36	922.3			
1.711	2463.84	924.1			
1.695	2440.8	922.3			
1.711	2463.84	922.3			
1.695	2440.8	923.3			
1.695	2440.8	923.6			
1.706	2456.64	922.5			
1.693	2437.92	923.8			
1.709	2460.96	922.3			
1.694	2439.36	922.2			
1.71	2462.4	923.2			
1.694	2439.36	923.6			
1.706	2456.64	922.2			
1.693	2437.92	923.3			
1.709	2460.96	922			
1.694	2439.36	925			
1.694	2439.36	922.6			
1.705	2455.2	924.3			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
1.693	2437.92	924			
1.709	2460.96	924.5			
1.693	2437.92	923			
1.71	2462.4	925.8			
1.694	2439.36	923.1			
1.694	2439.36	924.7			
1.706	2456.64	924.3			
1.693	2437.92	924.7			
1.693	2437.92	924.8			
1.705	2455.2	926.4			
1.692	2436.48	923.9			
1.708	2459.52	925.2			
1.693	2437.92	924.8			
1.693	2437.92	925			
1.705	2455.2	925			
1.692	2436.48	928.1			
1.704	2453.76	927.5			
1.692	2436.48	925.8			
1.692	2436.48	926.1			
1.704	2453.76	925.7			
1.691	2435.04	927.2			
1.708	2459.52	924.5			
1.693	2437.92	925.6			
1.693	2437.92	925.1			
1.688	2430.72	926.8			
1.703	2452.32	925.7			
1.69	2433.6	927.4			
1.707	2458.08	924.6			
1.692	2436.48	925.7			
1.693	2437.92	925.2			
1.688	2430.72	926.9			
1.703	2452.32	925.8			
1.69	2433.6	927.5			
1.707	2458.08	926.1			
1.692	2436.48	927.8			
1.693	2437.92	927.9			
1.688	2430.72	928.5			
1.69	2433.6	929			
1.691	2435.04	929.2			
1.703	2452.32	930.8			
1.691	2435.04	928.4			
1.691	2435.04	929.7			
1.687	2429.28	929.3			
1.702	2450.88	929.6			
1.689	2432.16	928			
1.69	2433.6	930.6			
1.703	2452.32	928			
1.691	2435.04	929.5			
1.691	2435.04	927.5			
1.687	2429.28	928.9			
1.685	2426.4	927.2			
1.7	2448	930.2			
1.688	2430.72	927.5			
1.689	2432.16	929.2			
1.685	2426.4	928.8			
1.701	2449.44	929.2			
1.688	2430.72	929.3			
1.686	2427.84	928			
1.685	2426.4	929.1			
1.7	2448	928.9			
1.688	2430.72	929.3			
1.689	2432.16	927.8			
1.685	2426.4	930.5			
1.684	2424.96	929.3			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
1.699	2446.56	929.9			
1.689	2432.16	930.3			
1.685	2426.4	930.4			
1.684	2424.96	931.7			
1.683	2423.52	932.1			
1.698	2445.12	931.2			
1.687	2429.28	931			
1.688	2430.72	930.7			
1.685	2426.4	930.5			
1.684	2424.96	930.3			
1.682	2422.08	930.2			
1.698	2445.12	931.6			
1.687	2429.28	930.5			
1.688	2430.72	932.2			
1.684	2424.96	933			
1.682	2422.08	933.2			
1.682	2422.08	933.5			
1.681	2420.64	933.7			
1.681	2420.64	932.3			
1.68	2419.2	933.5			
1.696	2442.24	933.4			
1.685	2426.4	933.7			
1.687	2429.28	933.8			
1.684	2424.96	934			
1.683	2423.52	934			
1.682	2422.08	934.1			
1.681	2420.64	934.2			
1.68	2419.2	932.7			
1.696	2442.24	933.8			
1.685	2426.4	933.6			
1.687	2429.28	933.9			
1.684	2424.96	934			
1.683	2423.52	931			
1.847	2659.68	980.4			
1.901	2737.44	1013			
1.99	2865.6	1011			
2.021	2910.24	1018			
2.078	2992.32	1027			
2.09	3009.6	1035			
2.114	3044.16	1037			
2.126	3061.44	1040			
2.154	3101.76	1042			
2.151	3097.44	1042			
2.159	3108.96	1043			
2.177	3134.88	1043			
2.17	3124.8	1045			
2.188	3150.72	1044			
2.178	3136.32	1043			
2.18	3139.2	1042			
2.177	3134.88	1042			
2.193	3157.92	1040			
2.181	3140.64	1040			
2.182	3142.08	1040			
2.179	3137.76	1038			
2.194	3159.36	1038			
2.182	3142.08	1037			
2.183	3143.52	1037			
2.179	3137.76	1038			
2.195	3160.8	1037			
2.182	3142.08	1036			
2.183	3143.52	1035			
2.179	3137.76	1035			
2.178	3136.32	1033			
2.177	3134.88	1033			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
2.192	3156.48	1033			
2.18	3139.2	1031			
2.181	3140.64	1031			
2.178	3136.32	1031			
2.177	3134.88	1031			
2.193	3157.92	1032			
2.181	3140.64	1033			
2.182	3142.08	1033			
2.179	3137.76	1034			
2.178	3136.32	1034			
2.176	3133.44	1032			
2.175	3132	1032			
2.174	3130.56	1033			
2.174	3130.56	1032			
2.19	3153.6	1032			
2.181	3140.64	1033			
2.177	3134.88	1032			
2.177	3134.88	1033			
2.176	3133.44	1033			
2.175	3132	1032			
2.175	3132	1034			
2.174	3130.56	1034			
2.174	3130.56	1034			
2.174	3130.56	1033			
2.173	3129.12	1034			
2.173	3129.12	1034			
2.173	3129.12	1033			
2.173	3129.12	1034			
2.173	3129.12	1034			
2.173	3129.12	1034			
2.173	3129.12	1034			
2.173	3129.12	1033			
2.173	3129.12	1034			
2.173	3129.12	1036			
2.173	3129.12	1035			
2.173	3129.12	1035			
2.156	3104.64	1035			
2.165	3117.6	1034			
2.169	3123.36	1033			
2.17	3124.8	1034			
2.171	3126.24	1034			
2.155	3103.2	1035			
2.166	3119.04	1035			
2.165	3117.6	1035			
2.168	3121.92	1036			
2.168	3121.92	1035			
2.153	3100.32	1036			
2.165	3117.6	1035			
2.164	3116.16	1035			
2.167	3120.48	1035			
2.168	3121.92	1037			
2.164	3116.16	1036			
2.163	3114.72	1037			
2.167	3120.48	1038			
2.151	3097.44	1038			
2.164	3116.16	1038			
2.162	3113.28	1039			
2.166	3119.04	1039			
2.167	3120.48	1039			
2.152	3098.88	1038			
2.164	3116.16	1037			
2.163	3114.72	1038			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
2.15	3096	1038			
2.162	3113.28	1039			
2.162	3113.28	1039			
2.165	3117.6	1039			
2.15	3096	1039			
2.145	3088.8	1039			
2.16	3110.4	1040			
2.164	3116.16	1040			
2.165	3117.6	1040			
2.151	3097.44	1040			
2.146	3090.24	1040			
2.161	3111.84	1040			
2.16	3110.4	1040			
2.148	3093.12	1040			
2.16	3110.4	1040			
2.144	3087.36	1040			
2.159	3108.96	1040			
2.142	3084.48	1041			
2.158	3107.52	1042			
2.158	3107.52	1042			
2.146	3090.24	1041			
2.159	3108.96	1041			
2.143	3085.92	1041			
2.158	3107.52	1042			
2.141	3083.04	1042			
2.141	3083.04	1043			
2.157	3106.08	1043			
2.14	3081.6	1044			
2.157	3106.08	1044			
2.14	3081.6	1044			
2.157	3106.08	1044			
2.14	3081.6	1044			
2.156	3104.64	1044			
2.14	3081.6	1044			
2.156	3104.64	1044			
2.14	3081.6	1044			
2.14	3081.6	1044			
2.156	3104.64	1046			
2.14	3081.6	1045			
2.14	3081.6	1045			
2.151	3097.44	1045			
2.138	3078.72	1045			
2.137	3077.28	1045			
2.149	3094.56	1044			
2.137	3077.28	1044			
2.153	3100.32	1044			
2.138	3078.72	1044			
2.154	3101.76	1044			
2.138	3078.72	1044			
2.139	3080.16	1044			
2.15	3096	1044			
2.137	3077.28	1044			
2.137	3077.28	1044			
2.149	3094.56	1044			
2.136	3075.84	1044			
2.136	3075.84	1046			
2.148	3093.12	1045			
2.136	3075.84	1045			
2.148	3093.12	1045			
2.136	3075.84	1045			
2.136	3075.84	1044			
2.148	3093.12	1046			
2.136	3075.84	1046			
2.136	3075.84	1047			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
2.148	3093.12	1047			
2.136	3075.84	1048			
2.136	3075.84	1050			
2.147	3091.68	1049			
2.134	3072.96	1049			
2.135	3074.4	1049			
2.131	3068.64	1049			
2.146	3090.24	1049			
2.133	3071.52	1047			
2.134	3072.96	1048			
2.13	3067.2	1048			
2.129	3065.76	1048			
2.144	3087.36	1049			
2.132	3070.08	1050			
2.133	3071.52	1051			
2.163	3114.72	1054			
2.189	3152.16	1071			
2.224	3202.56	1078			
2.228	3208.32	1078			
2.307	3322.08	1099			
2.367	3408.48	1118			
2.463	3546.72	1142			
2.499	3598.56	1159			
2.543	3661.92	1166			
2.569	3699.36	1175			
2.593	3733.92	1183			
2.626	3781.44	1189			
2.629	3785.76	1194			
2.64	3801.6	1197			
2.645	3808.8	1200			
2.651	3817.44	1202			
2.654	3821.76	1204			
2.657	3826.08	1205			
2.659	3828.96	1206			
2.661	3831.84	1208			
2.662	3833.28	1209			
2.663	3834.72	1210			
2.664	3836.16	1213			
2.681	3860.64	1212			
2.671	3846.24	1214			
2.673	3849.12	1215			
2.67	3844.8	1216			
2.67	3844.8	1216			
2.669	3843.36	1217			
2.684	3864.96	1217			
2.673	3849.12	1218			
2.675	3852	1218			
2.671	3846.24	1218			
2.671	3846.24	1218			
2.67	3844.8	1218			
2.685	3866.4	1218			
2.674	3850.56	1218			
2.675	3852	1218			
2.672	3847.68	1218			
2.671	3846.24	1218			
2.67	3844.8	1218			
2.669	3843.36	1218			
2.669	3843.36	1218			
2.668	3841.92	1218			
2.668	3841.92	1218			
2.684	3864.96	1218			
2.673	3849.12	1218			
2.671	3846.24	1217			
2.671	3846.24	1215			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
2.669	3843.36	1214			
2.669	3843.36	1212			
2.668	3841.92	1212			
2.668	3841.92	1211			
2.668	3841.92	1209			
2.684	3864.96	1208			
2.673	3849.12	1207			
2.674	3850.56	1207			
2.671	3846.24	1206			
2.671	3846.24	1207			
2.669	3843.36	1208			
2.669	3843.36	1210			
2.668	3841.92	1210			
2.668	3841.92	1211			
2.668	3841.92	1213			
2.667	3840.48	1214			
2.667	3840.48	1217			
2.667	3840.48	1218			
2.667	3840.48	1219			
2.667	3840.48	1221			
2.667	3840.48	1221			
2.667	3840.48	1222			
2.667	3840.48	1222			
2.667	3840.48	1222			
2.667	3840.48	1221			
2.667	3840.48	1220			
2.667	3840.48	1220			
2.667	3840.48	1220			
2.667	3840.48	1218			
2.667	3840.48	1217			
2.667	3840.48	1215			
2.667	3840.48	1214			
2.667	3840.48	1212			
2.667	3840.48	1213			
2.667	3840.48	1213			
2.667	3840.48	1213			
2.667	3840.48	1215			
2.667	3840.48	1216			
2.667	3840.48	1218			
2.667	3840.48	1219			
2.667	3840.48	1220			
2.667	3840.48	1221			
2.65	3816	1221			
2.661	3831.84	1222			
2.659	3828.96	1221			
2.662	3833.28	1220			
2.663	3834.72	1218			
2.664	3836.16	1216			
2.664	3836.16	1214			
2.665	3837.6	1213			
2.665	3837.6	1214			
2.649	3814.56	1214			
2.66	3830.4	1215			
2.659	3828.96	1217			
2.662	3833.28	1218			
2.662	3833.28	1220			
2.664	3836.16	1220			
2.664	3836.16	1221			
2.648	3813.12	1221			
2.66	3830.4	1220			
2.658	3827.52	1220			
2.661	3831.84	1218			
2.647	3811.68	1214			
2.658	3827.52	1215			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
2.657	3826.08	1214			
2.661	3831.84	1216			
2.662	3833.28	1218			
2.663	3834.72	1219			
2.647	3811.68	1220			
2.659	3828.96	1220			
2.658	3827.52	1220			
2.661	3831.84	1219			
2.645	3808.8	1219			
2.658	3827.52	1217			
2.656	3824.64	1215			
2.66	3830.4	1214			
2.657	3826.08	1216			
2.656	3824.64	1218			
2.66	3830.4	1219			
2.644	3807.36	1221			
2.657	3826.08	1221			
2.656	3824.64	1222			
2.66	3830.4	1220			
2.644	3807.36	1219			
2.657	3826.08	1216			
2.656	3824.64	1215			
2.643	3805.92	1215			
2.655	3823.2	1216			
2.655	3823.2	1218			
2.659	3828.96	1219			
2.656	3824.64	1223			
2.656	3824.64	1221			
2.643	3805.92	1221			
2.655	3823.2	1217			
2.655	3823.2	1216			
2.642	3804.48	1215			
2.655	3823.2	1216			
2.654	3821.76	1218			
2.642	3804.48	1221			
2.654	3821.76	1224			
2.654	3821.76	1222			
2.642	3804.48	1221			
2.654	3821.76	1219			
2.638	3798.72	1217			
2.653	3820.32	1217			
2.652	3818.88	1217			
2.641	3803.04	1219			
2.653	3820.32	1221			
2.637	3797.28	1223			
2.652	3818.88	1221			
2.635	3794.4	1219			
2.635	3794.4	1216			
2.634	3792.96	1215			
2.728	3928.32	1237			
2.94	4233.6	1326			
3.041	4379.04	1378			
3.146	4530.24	1405			
3.215	4629.6	1427			
3.206	4616.64	1431			
3.144	4527.36	1408			
2.973	4281.12	1340			
2.879	4145.76	1288			
2.79	4017.6	1272			
2.712	3905.28	1250			
2.805	4039.2	1270			
3.024	4354.56	1364			
3.128	4504.32	1417			
3.236	4659.84	1443			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
3.323	4785.12	1466			
3.395	4888.8	1490			
3.336	4803.84	1480			
3.177	4574.88	1394			
3.107	4474.08	1383			
3.066	4415.04	1368			
3.045	4384.8	1357			
2.994	4311.36	1341			
2.977	4286.88	1335			
2.978	4288.32	1332			
2.973	4281.12	1327			
2.955	4255.2	1326			
3.013	4338.72	1341			
3.055	4399.2	1362			
3.07	4420.8	1367			
3.095	4456.8	1372			
3.092	4452.48	1376			
3.116	4487.04	1377			
3.106	4472.64	1379			
3.111	4479.84	1381			
3.126	4501.44	1381			
3.116	4487.04	1382			
3.134	4512.96	1384			
3.12	4492.8	1383			
3.122	4495.68	1383			
3.134	4512.96	1383			
3.122	4495.68	1385			
3.139	4520.16	1384			
3.124	4498.56	1384			
3.141	4523.04	1385			
3.125	4500	1384			
3.126	4501.44	1383			
3.125	4500	1383			
3.124	4498.56	1383			
3.136	4515.84	1383			
3.124	4498.56	1383			
3.14	4521.6	1382			
3.125	4500	1383			
3.125	4500	1383			
3.137	4517.28	1381			
3.124	4498.56	1382			
3.141	4523.04	1382			
3.125	4500	1381			
3.126	4501.44	1381			
3.137	4517.28	1382			
3.125	4500	1382			
3.124	4498.56	1381			
3.124	4498.56	1380			
3.124	4498.56	1380			
3.136	4515.84	1381			
3.124	4498.56	1382			
3.119	4491.36	1380			
3.118	4489.92	1380			
3.12	4492.8	1381			
3.121	4494.24	1380			
3.134	4512.96	1380			
3.122	4495.68	1381			
3.122	4495.68	1378			
3.135	4514.4	1379			
3.123	4497.12	1380			
3.123	4497.12	1379			
3.135	4514.4	1379			
3.123	4497.12	1379			
3.135	4514.4	1379			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
3.123	4497.12	1379			
3.123	4497.12	1377			
3.136	4515.84	1378			
3.123	4497.12	1380			
3.123	4497.12	1377			
3.119	4491.36	1377			
3.134	4512.96	1378			
3.121	4494.24	1376			
3.122	4495.68	1377			
3.134	4512.96	1377			
3.121	4494.24	1377			
3.122	4495.68	1377			
3.118	4489.92	1376			
3.117	4488.48	1376			
3.132	4510.08	1377			
3.12	4492.8	1376			
3.121	4494.24	1375			
3.117	4488.48	1377			
3.133	4511.52	1377			
3.12	4492.8	1376			
3.121	4494.24	1376			
3.118	4489.92	1375			
3.117	4488.48	1376			
3.131	4508.64	1377			
3.12	4492.8	1376			
3.121	4494.24	1376			
3.117	4488.48	1375			
3.115	4485.6	1376			
3.13	4507.2	1375			
3.119	4491.36	1374			
3.12	4492.8	1374			
3.117	4488.48	1374			
3.116	4487.04	1374			
3.114	4484.16	1374			
3.114	4484.16	1373			
3.113	4482.72	1374			
3.113	4482.72	1375			
3.129	4505.76	1373			
3.117	4488.48	1374			
3.119	4491.36	1374			
3.116	4487.04	1372			
3.115	4485.6	1375			
3.114	4484.16	1372			
3.113	4482.72	1372			
3.113	4482.72	1373			
3.112	4481.28	1373			
3.112	4481.28	1372			
3.112	4481.28	1372			
3.111	4479.84	1373			
3.111	4479.84	1373			
3.111	4479.84	1372			
3.111	4479.84	1371			
3.111	4479.84	1371			
3.111	4479.84	1372			
3.111	4479.84	1371			
3.111	4479.84	1371			
3.111	4479.84	1372			
3.111	4479.84	1369			
3.111	4479.84	1372			
3.111	4479.84	1370			
3.111	4479.84	1369			
3.094	4455.36	1371			
3.105	4471.2	1368			
3.104	4469.76	1370			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
3.107	4474.08	1369			
3.107	4474.08	1369			
3.108	4475.52	1371			
3.109	4476.96	1368			
3.104	4469.76	1369			
3.106	4472.64	1369			
3.107	4474.08	1368			
3.108	4475.52	1369			
3.093	4453.92	1368			
3.103	4468.32	1367			
3.106	4472.64	1369			
3.091	4451.04	1368			
3.103	4468.32	1367			
3.102	4466.88	1367			
3.089	4448.16	1368			
3.1	4464	1366			
3.1	4464	1369			
3.104	4469.76	1365			
3.088	4446.72	1368			
3.101	4465.44	1368			
3.1	4464	1367			
3.088	4446.72	1366			
3.1	4464	1368			
3.099	4462.56	1368			
3.103	4468.32	1367			
3.088	4446.72	1368			
3.101	4465.44	1367			
3.1	4464	1366			
3.087	4445.28	1366			
3.099	4462.56	1366			
3.083	4439.52	1367			
3.098	4461.12	1364			
3.085	4442.4	1365			
3.098	4461.12	1366			
3.082	4438.08	1364			
3.097	4459.68	1366			
3.096	4458.24	1365			
3.085	4442.4	1367			
3.097	4459.68	1364			
3.081	4436.64	1365			
3.097	4459.68	1365			
3.096	4458.24	1366			
3.079	4433.76	1364			
3.095	4456.8	1367			
3.227	4646.88	1408			
3.309	4764.96	1456			
3.38	4867.2	1480			
3.431	4940.64	1493			
3.489	5024.16	1510			
3.508	5051.52	1520			
3.534	5088.96	1529			
3.565	5133.6	1534			
3.568	5137.92	1542			
3.596	5178.24	1544			
3.597	5179.68	1549			
3.613	5202.72	1551			
3.605	5191.2	1552			
3.611	5199.84	1555			
3.626	5221.44	1555			
3.615	5205.6	1553			
3.628	5224.32	1554			
3.616	5207.04	1556			
3.612	5201.28	1555			
3.611	5199.84	1556			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
3.609	5196.96	1556			
3.625	5220	1555			
3.613	5202.72	1553			
3.614	5204.16	1555			
3.627	5222.88	1555			
3.615	5205.6	1554			
3.612	5201.28	1555			
3.627	5222.88	1555			
3.615	5205.6	1553			
3.616	5207.04	1555			
3.612	5201.28	1555			
3.627	5222.88	1554			
3.614	5204.16	1553			
3.615	5205.6	1553			
3.612	5201.28	1553			
3.611	5199.84	1553			
3.609	5196.96	1551			
3.625	5220	1552			
3.613	5202.72	1552			
3.611	5199.84	1551			
3.61	5198.4	1550			
3.608	5195.52	1551			
3.608	5195.52	1551			
3.623	5217.12	1550			
3.612	5201.28	1550			
3.613	5202.72	1551			
3.61	5198.4	1551			
3.609	5196.96	1552			
3.608	5195.52	1550			
3.607	5194.08	1552			
3.607	5194.08	1550			
3.606	5192.64	1551			
3.606	5192.64	1550			
3.605	5191.2	1549			
3.605	5191.2	1548			
3.605	5191.2	1547			
3.605	5191.2	1546			
3.605	5191.2	1548			
3.605	5191.2	1549			
3.605	5191.2	1548			
3.605	5191.2	1547			
3.605	5191.2	1546			
3.605	5191.2	1547			
3.605	5191.2	1546			
3.605	5191.2	1548			
3.605	5191.2	1546			
3.605	5191.2	1546			
3.588	5166.72	1545			
3.599	5182.56	1545			
3.597	5179.68	1546			
3.6	5184	1545			
3.601	5185.44	1546			
3.602	5186.88	1545			
3.586	5163.84	1545			
3.598	5181.12	1543			
3.596	5178.24	1544			
3.6	5184	1545			
3.585	5162.4	1546			
3.597	5179.68	1544			
3.595	5176.8	1543			
3.599	5182.56	1542			
3.583	5159.52	1543			
3.596	5178.24	1543			
3.595	5176.8	1545			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
3.598	5181.12	1544			
3.599	5182.56	1544			
3.584	5160.96	1544			
3.595	5176.8	1542			
3.582	5158.08	1541			
3.594	5175.36	1540			
3.594	5175.36	1542			
3.581	5156.64	1542			
3.593	5173.92	1541			
3.593	5173.92	1542			
3.58	5155.2	1541			
3.593	5173.92	1541			
3.593	5173.92	1538			
3.58	5155.2	1538			
3.593	5173.92	1538			
3.576	5149.44	1537			
3.591	5171.04	1538			
3.574	5146.56	1539			
3.59	5169.6	1539			
3.578	5152.32	1541			
3.574	5146.56	1540			
3.586	5163.84	1542			
3.588	5166.72	1540			
3.59	5169.6	1538			
3.574	5146.56	1538			
3.59	5169.6	1538			
3.573	5145.12	1537			
3.573	5145.12	1536			
3.583	5159.52	1537			
3.586	5163.84	1536			
3.571	5142.24	1537			
3.571	5142.24	1536			
3.582	5158.08	1537			
3.585	5162.4	1536			
3.57	5140.8	1538			
3.57	5140.8	1538			
3.582	5158.08	1536			
3.569	5139.36	1538			
3.569	5139.36	1538			
3.581	5156.64	1537			
3.568	5137.92	1538			
3.568	5137.92	1538			
3.564	5132.16	1537			
3.579	5153.76	1538			
3.566	5135.04	1538			
3.567	5136.48	1537			
3.579	5153.76	1536			
3.567	5136.48	1536			
3.567	5136.48	1535			
3.563	5130.72	1535			
3.562	5129.28	1533			
3.577	5150.88	1533			
3.565	5133.6	1532			
3.562	5129.28	1530			
3.561	5127.84	1530			
3.559	5124.96	1530			
3.575	5148	1528			
3.565	5133.6	1529			
3.561	5127.84	1527			
3.559	5124.96	1529			
3.558	5123.52	1529			
3.557	5122.08	1529			
3.557	5122.08	1531			
3.557	5122.08	1531			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
3.556	5120.64	1531			
3.556	5120.64	1531			
3.556	5120.64	1530			
3.572	5143.68	1529			
3.545	5104.8	1528			
3.557	5122.08	1527			
3.553	5116.32	1527			
3.555	5119.2	1526			
3.554	5117.76	1528			
3.555	5119.2	1528			
3.555	5119.2	1528			
3.555	5119.2	1527			
3.555	5119.2	1527			
3.555	5119.2	1526			
3.555	5119.2	1525			
3.555	5119.2	1524			
3.539	5096.16	1526			
3.55	5112	1527			
3.548	5109.12	1526			
3.551	5113.44	1526			
3.551	5113.44	1526			
3.536	5091.84	1524			
3.548	5109.12	1523			
3.546	5106.24	1523			
3.55	5112	1524			
3.551	5113.44	1524			
3.535	5090.4	1523			
3.547	5107.68	1522			
3.546	5106.24	1520			
3.533	5087.52	1521			
3.545	5104.8	1522			
3.544	5103.36	1521			
3.565	5133.6	1526			
3.703	5332.32	1573			
3.822	5503.68	1638			
3.992	5748.48	1696			
4.032	5806.08	1715			
4.074	5866.56	1733			
4.101	5905.44	1745			
4.124	5938.56	1753			
4.141	5963.04	1758			
4.154	5981.76	1764			
4.181	6020.64	1768			
4.177	6014.88	1770			
4.185	6026.4	1772			
4.187	6029.28	1774			
4.19	6033.6	1773			
4.191	6035.04	1773			
4.194	6039.36	1775			
4.195	6040.8	1775			
4.212	6065.28	1774			
4.201	6049.44	1774			
4.203	6052.32	1772			
4.201	6049.44	1773			
4.2	6048	1771			
4.199	6046.56	1771			
4.199	6046.56	1771			
4.199	6046.56	1770			
4.198	6045.12	1768			
4.198	6045.12	1769			
4.198	6045.12	1768			
4.198	6045.12	1767			
4.198	6045.12	1766			
4.198	6045.12	1765			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
4.197	6043.68	1764			
4.197	6043.68	1764			
4.197	6043.68	1762			
4.197	6043.68	1762			
4.197	6043.68	1761			
4.197	6043.68	1760			
4.197	6043.68	1760			
4.197	6043.68	1760			
4.197	6043.68	1760			
4.197	6043.68	1758			
4.197	6043.68	1757			
4.197	6043.68	1756			
4.197	6043.68	1756			
4.197	6043.68	1757			
4.197	6043.68	1756			
4.197	6043.68	1756			
4.181	6020.64	1755			
4.192	6036.48	1753			
4.19	6033.6	1754			
4.193	6037.92	1754			
4.193	6037.92	1753			
4.195	6040.8	1751			
4.179	6017.76	1750			
4.191	6035.04	1750			
4.189	6032.16	1748			
4.192	6036.48	1748			
4.193	6037.92	1749			
4.178	6016.32	1747			
4.189	6032.16	1745			
4.188	6030.72	1746			
4.192	6036.48	1745			
4.176	6013.44	1744			
4.188	6030.72	1745			
4.187	6029.28	1743			
4.191	6035.04	1743			
4.175	6012	1744			
4.188	6030.72	1741			
4.187	6029.28	1742			
4.174	6010.56	1739			
4.186	6027.84	1739			
4.186	6027.84	1740			
4.173	6009.12	1738			
4.185	6026.4	1736			
4.185	6026.4	1735			
4.185	6026.4	1734			
4.185	6026.4	1733			
4.173	6009.12	1733			
4.169	6003.36	1730			
4.167	6000.48	1729			
4.166	5999.04	1727			
4.182	6022.08	1728			
4.165	5997.6	1727			
4.181	6020.64	1726			
4.165	5997.6	1725			
4.181	6020.64	1723			
4.165	5997.6	1723			
4.181	6020.64	1723			
4.165	5997.6	1723			
4.181	6020.64	1723			
4.164	5996.16	1721			
4.164	5996.16	1722			
4.175	6012	1720			
4.162	5993.28	1720			
4.161	5991.84	1719			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
4.173	6009.12	1718			
4.161	5991.84	1718			
4.177	6014.88	1718			
4.162	5993.28	1716			
4.174	6010.56	1716			
4.161	5991.84	1715			
4.157	5986.08	1715			
4.159	5988.96	1714			
4.159	5988.96	1713			
4.155	5983.2	1713			
4.154	5981.76	1712			
4.169	6003.36	1713			
4.157	5986.08	1712			
4.158	5987.52	1711			
4.154	5981.76	1711			
4.17	6004.8	1710			
4.157	5986.08	1708			
4.158	5987.52	1709			
4.155	5983.2	1708			
4.152	5978.88	1705			
4.151	5977.44	1707			
4.15	5976	1707			
4.15	5976	1705			
4.149	5974.56	1705			
4.149	5974.56	1703			
4.149	5974.56	1704			
4.148	5973.12	1702			
4.148	5973.12	1703			
4.148	5973.12	1701			
4.148	5973.12	1703			
4.148	5973.12	1701			
4.148	5973.12	1703			
4.148	5973.12	1700			
4.148	5973.12	1698			
4.148	5973.12	1701			
4.148	5973.12	1698			
4.148	5973.12	1699			
4.148	5973.12	1699			
4.148	5973.12	1699			
4.131	5948.64	1696			
4.142	5964.48	1698			
4.141	5963.04	1698			
4.144	5967.36	1696			
4.145	5968.8	1696			
4.129	5945.76	1697			
4.141	5963.04	1694			
4.139	5960.16	1697			
4.143	5965.92	1695			
4.127	5942.88	1696			
4.139	5960.16	1692			
4.138	5958.72	1694			
4.126	5941.44	1693			
4.139	5960.16	1692			
4.138	5958.72	1692			
4.125	5940	1693			
4.137	5957.28	1691			
4.137	5957.28	1693			
4.136	5955.84	1691			
4.124	5938.56	1691			
4.136	5955.84	1691			
4.119	5931.36	1689			
4.134	5952.96	1690			
4.117	5928.48	1691			
4.133	5951.52	1689			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
4.116	5927.04	1690			
4.133	5951.52	1688			
4.116	5927.04	1689			
4.132	5950.08	1688			
4.115	5925.6	1686			
4.115	5925.6	1685			
4.132	5950.08	1686			
4.115	5925.6	1686			
4.115	5925.6	1684			
4.126	5941.44	1685			
4.113	5922.72	1685			
4.129	5945.76	1684			
4.114	5924.16	1685			
4.114	5924.16	1683			
4.125	5940	1683			
4.112	5921.28	1684			
4.112	5921.28	1683			
4.124	5938.56	1684			
4.112	5921.28	1682			
4.111	5919.84	1682			
4.107	5914.08	1683			
4.106	5912.64	1679			
4.12	5932.8	1681			
4.109	5916.96	1679			
4.121	5934.24	1681			
4.158	5987.52	1692			
4.274	6154.56	1746			
4.325	6228	1778			
4.38	6307.2	1793			
4.416	6359.04	1807			
4.447	6403.68	1818			
4.485	6458.4	1828			
4.491	6467.04	1834			
4.514	6500.16	1841			
4.521	6510.24	1845			
4.526	6517.44	1845			
4.533	6527.52	1848			
4.535	6530.4	1849			
4.538	6534.72	1850			
4.54	6537.6	1849			
4.541	6539.04	1850			
4.525	6516	1848			
4.536	6531.84	1849			
4.535	6530.4	1848			
4.538	6534.72	1851			
4.539	6536.16	1848			
4.54	6537.6	1851			
4.54	6537.6	1848			
4.541	6539.04	1852			
4.525	6516	1849			
4.536	6531.84	1850			
4.535	6530.4	1848			
4.538	6534.72	1850			
4.539	6536.16	1849			
4.54	6537.6	1850			
4.54	6537.6	1850			
4.525	6516	1848			
4.536	6531.84	1850			
4.535	6530.4	1848			
4.538	6534.72	1849			
4.522	6511.68	1848			
4.533	6527.52	1846			
4.537	6533.28	1847			
4.521	6510.24	1845			

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Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
4.534	6528.96	1846			
4.533	6527.52	1844			
4.52	6508.8	1844			
4.532	6526.08	1844			
4.532	6526.08	1843			
4.519	6507.36	1844			
4.531	6524.64	1841			
4.515	6501.6	1844			
4.53	6523.2	1841			
4.529	6521.76	1842			
4.517	6504.48	1840			
4.53	6523.2	1841			
4.514	6500.16	1839			
4.529	6521.76	1839			
4.512	6497.28	1838			
4.528	6520.32	1838			
4.511	6495.84	1838			
4.522	6511.68	1836			
4.524	6514.56	1836			
4.509	6492.96	1835			
4.509	6492.96	1836			
4.52	6508.8	1834			
4.508	6491.52	1834			
4.507	6490.08	1833			
4.507	6490.08	1834			
4.506	6488.64	1832			
4.519	6507.36	1833			
4.506	6488.64	1829			
4.506	6488.64	1831			
4.518	6505.92	1829			
4.506	6488.64	1831			
4.506	6488.64	1829			
4.517	6504.48	1829			
4.504	6485.76	1828			
4.505	6487.2	1827			
4.501	6481.44	1829			
4.5	6480	1826			
4.498	6477.12	1826			
4.514	6500.16	1825			
4.502	6482.88	1825			
4.503	6484.32	1826			
4.499	6478.56	1824			
4.499	6478.56	1824			
4.497	6475.68	1824			
4.496	6474.24	1824			
4.496	6474.24	1825			
4.479	6449.76	1824			
4.506	6488.64	1824			
4.497	6475.68	1823			
4.495	6472.8	1823			
4.495	6472.8	1823			
4.494	6471.36	1823			
4.494	6471.36	1822			
4.494	6471.36	1821			
4.494	6471.36	1823			
4.494	6471.36	1821			
4.494	6471.36	1821			
4.477	6446.88	1822			
4.488	6462.72	1820			
4.489	6464.16	1818			
4.49	6465.6	1820			
4.491	6467.04	1819			
4.491	6467.04	1819			
4.492	6468.48	1819			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
4.476	6445.44	1819			
4.487	6461.28	1819			
4.486	6459.84	1819			
4.489	6464.16	1819			
4.489	6464.16	1818			
4.491	6467.04	1818			
4.475	6444	1815			
4.485	6458.4	1817			
4.472	6439.68	1816			
4.483	6455.52	1816			
4.483	6455.52	1815			
4.47	6436.8	1815			
4.482	6454.08	1818			
4.482	6454.08	1815			
4.469	6435.36	1816			
4.482	6454.08	1815			
4.482	6454.08	1813			
4.469	6435.36	1812			
4.481	6452.64	1812			
4.465	6429.6	1811			
4.48	6451.2	1811			
4.479	6449.76	1811			
4.478	6448.32	1810			
4.467	6432.48	1810			
4.463	6426.72	1810			
4.475	6444	1811			
4.477	6446.88	1809			
4.462	6425.28	1809			
4.46	6422.4	1807			
4.46	6422.4	1806			
4.46	6422.4	1806			
4.455	6415.2	1804			
4.321	6222.24	1750			
4.604	6629.76	1831			
4.769	6867.36	1943			
4.869	7011.36	2020			
4.431	6380.64	1846			
4.252	6122.88	1695			
4.261	6135.84	1719			
4.401	6337.44	1820			
4.484	6456.96	1849			
4.575	6588	1867			
4.633	6671.52	1891			
4.682	6742.08	1909			
4.702	6770.88	1918			
4.741	6827.04	1928			
4.761	6855.84	1934			
4.863	7002.72	1962			
5.183	7463.52	2094			
5.324	7666.56	2204			
5.356	7712.64	2187			
5.334	7680.96	2180			
5.325	7668	2179			
5.314	7652.16	2175			
5.324	7666.56	2166			
5.307	7642.08	2152			
5.288	7614.72	2137			
5.26	7574.4	2126			
5.245	7552.8	2120			
5.23	7531.2	2101			
5.22	7516.8	2097			
5.212	7505.28	2096			
5.205	7495.2	2078			
5.201	7489.44	2077			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
5.181	7460.64	2078			
5.189	7472.16	2064			
5.185	7466.4	2062			
5.186	7467.84	2064			
5.185	7466.4	2049			
5.185	7466.4	2041			
5.185	7466.4	2038			
5.191	7475.04	1985			
5.209	7500.96	1977			
5.213	7506.72	1952			
5.214	7508.16	1927			
5.217	7512.48	1942			
5.202	7490.88	1921			
5.218	7513.92	1894			
5.218	7513.92	1907			
5.207	7498.08	1914			
5.22	7516.8	1890			
5.204	7493.76	1903			
5.203	7492.32	1927			
5.197	7483.68	1924			
5.195	7480.8	1925			
5.192	7476.48	1933			
5.191	7475.04	1927			
5.189	7472.16	1921			
5.188	7470.72	1919			
5.188	7470.72	1915			
5.203	7492.32	1892			
5.192	7476.48	1878			
5.21	7502.4	1889			
5.213	7506.72	1828			
5.214	7508.16	1852			
5.221	7518.24	1837			
5.223	7521.12	1808			
5.21	7502.4	1795			
5.222	7519.68	1818			
5.222	7519.68	1800			
5.226	7525.44	1759			
5.228	7528.32	1748			
5.213	7506.72	1781			
5.225	7524	1775			
5.224	7522.56	1750			
5.228	7528.32	1738			
5.229	7529.76	1761			
5.231	7532.64	1728			
5.232	7534.08	1708			
5.216	7511.04	1730			
5.227	7526.88	1744			
5.226	7525.44	1728			
5.229	7529.76	1701			
5.23	7531.2	1708			
5.231	7532.64	1729			
5.232	7534.08	1706			
5.232	7534.08	1662			
5.233	7535.52	1668			
5.217	7512.48	1701			
5.228	7528.32	1706			
5.226	7525.44	1684			
5.229	7529.76	1666			
5.23	7531.2	1684			
5.231	7532.64	1692			
5.232	7534.08	1672			
5.232	7534.08	1644			
5.233	7535.52	1658			
5.233	7535.52	1675			

Getty 24 #5 - Step Rate Raw Data

Rate (BPM)	Rate (BPD)	Pressure (PSIG)	BPM	BPD	PSIG
5.234	7536.96	1625			
5.234	7536.96	1620			
5.234	7536.96	1647			
5.234	7536.96	1652			
5.234	7536.96	1608			
5.234	7536.96	1577			
5.234	7536.96	1610			
5.234	7536.96	1641			
5.234	7536.96	1630			
5.218	7513.92	1611			
5.229	7529.76	1613			
5.227	7526.88	1635			
5.23	7531.2	1628			
5.23	7531.2	1605			
5.232	7534.08	1592			
5.232	7534.08	1617			
5.233	7535.52	1594			
5.234	7536.96	1589			
5.234	7536.96	1603			
5.234	7536.96	1603			
5.217	7512.48	1591			
5.229	7529.76	1579			
5.26	7574.4	1477			
5.257	7570.08	1467			
5.25	7560	1532			
5.247	7555.68	1524			