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87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

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

WELL API NO. 30-045-24998
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Richardson
8. Well Number #5
9. OGRID Number 162928
10. Pool name or Wildcat Basin Mancos/Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator Energen Resources Corporation
3. Address of Operator 2010 Afton Place, Farmington, NM 87401
4. Well Location Unit Letter <u>A</u> : <u>1120'</u> feet from the <u>North</u> line and <u>790'</u> feet from the <u>East</u> line Section <u>10</u> Township <u>27N</u> Range <u>13W</u> NMPM County <u>San Juan</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6055' GR

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

NOTICE OF INTENTION TO:

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

OTHER: ☐

SUBSEQUENT REPORT OF:

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

OTHER: Notice to provide volumes ☒

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

This sundry is in follow up to the C-103 NOI dated 1/4/16. Please see the attached for the Basin Mancos and Basin Dakota allocation volumes.

OIL CONS. DIV DIST. 3

MAR 11 2016

DHC 3866 AZ

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Anna Stotts TITLE Regulatory Analyst DATE 3/10/16

astotts@energen.com

Type or print name Anna Stotts E-mail address: PHONE 324-4154

For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR DATE 3/14/16

Conditions of Approval (if any):

DISTRICT #3

N

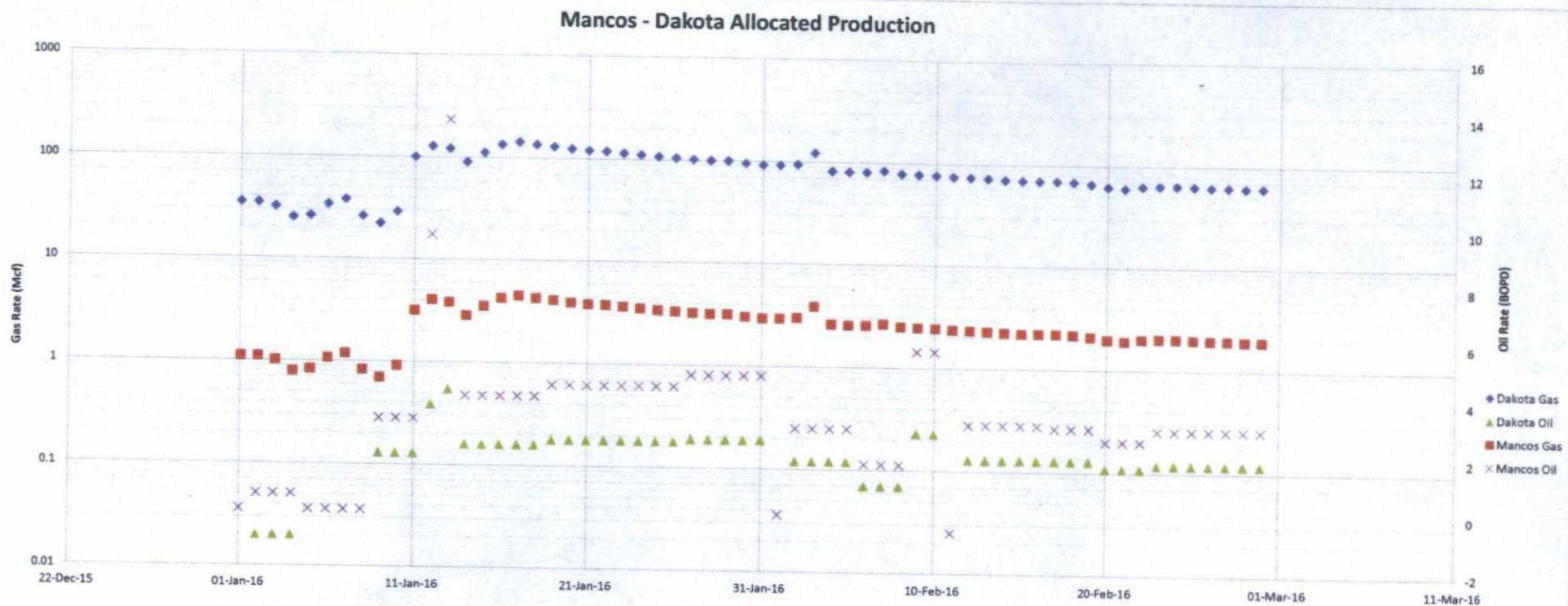


Figure 3





Richardson #5  
UL A, Section 10-27N-13W  
API#: 3004524998  
NMSF-077972  
DHC 3866AZ

On 12/29/2015, the subject well was DHC in the Basin Dakota and Basin Mancos Pools under DHC 3866AZ. Energen Resources proposes to use the following fixed allocation factors for the subject well:

	<u>Oil</u>	<u>Gas</u>	<u>Water</u>
Dakota	4%	97%	4%
Mancos	96%	3%	96%

Attached for your reference are historical production plots for both Dakota and Mancos formations. The Dakota production plot (Figure 1) represents data prior to bridge plug isolation and the Mancos recompletion. Figure 2, is the Mancos production. These figures were used to establish baseline allocation factors until production stabilized. Both these plots indicate relatively stable and constant line pressure at approximately 90 psig. Figure 3, shows the allocated production since both zones were commingled. The data indicates that production has stabilized sufficiently to utilized fixed allocation methodology. And finally, the data tables used to generate these plots are provided for your reference.

WELL: RICHARDSON 5 DK  
FIELD: DAKOTA

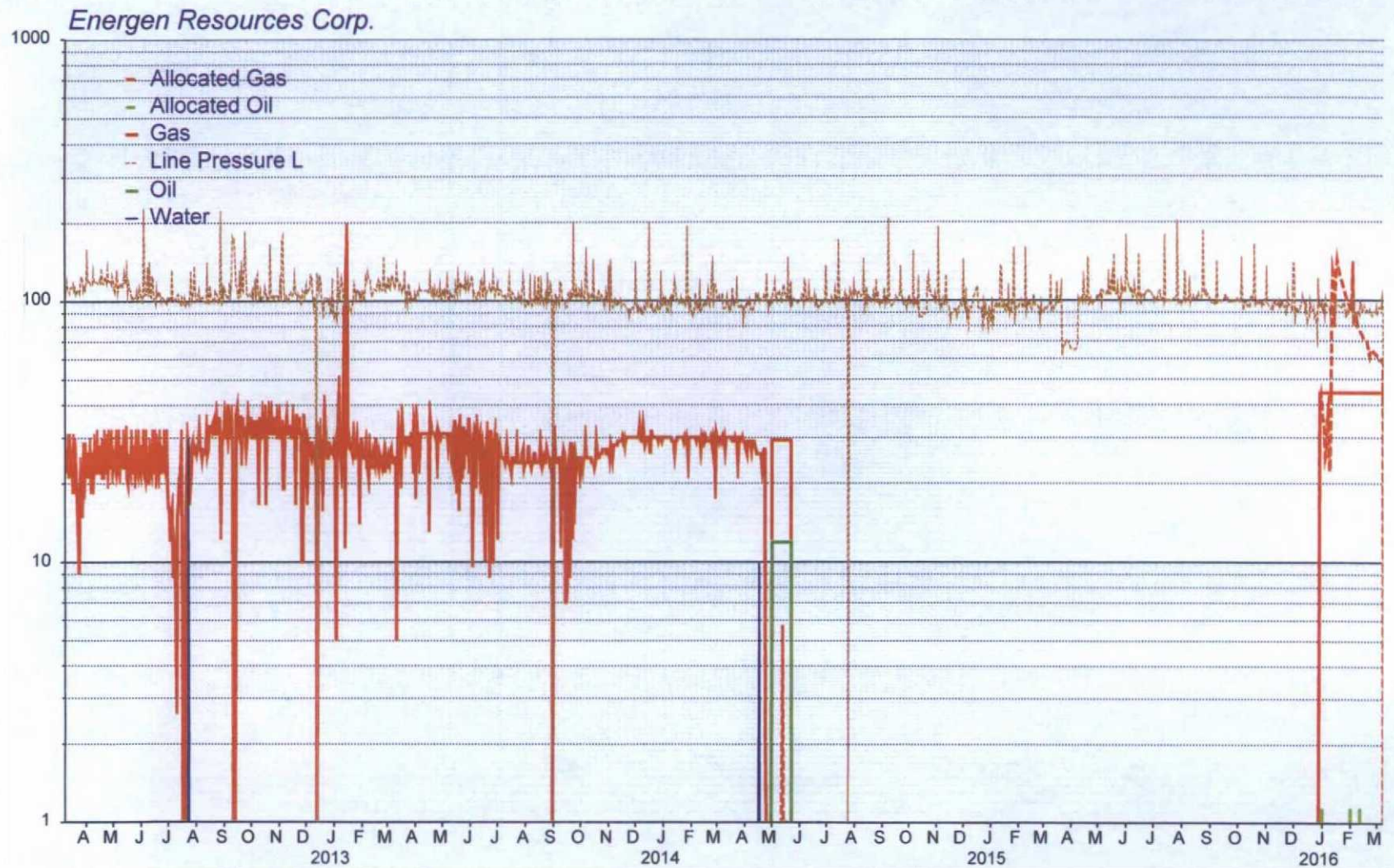


figure 1



WELL: RICHARDSON 5 MAN  
FIELD: ~~DAKOTA~~ Basin Maers

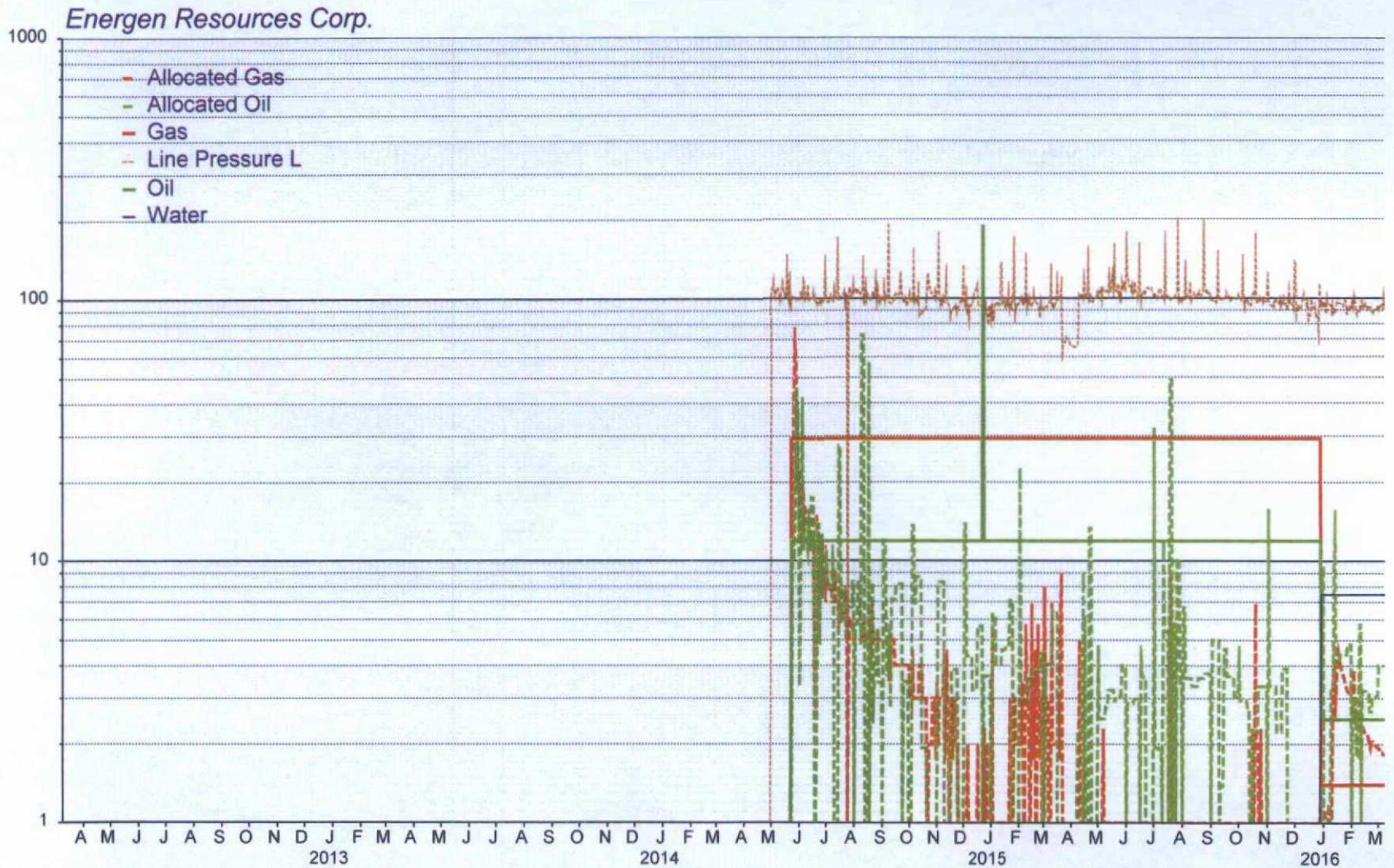


Figure 2



### Richardson #5 Dakota Production

Date	AllocGas	AllocOil
01-Jan-16	34.9	0
02-Jan-16	34.9	0.02
03-Jan-16	31.99	0.02
04-Jan-16	25.21	0.02
05-Jan-16	26.17	0
06-Jan-16	33.93	0
07-Jan-16	37.81	0
08-Jan-16	26.17	0
09-Jan-16	22.3	0.13
10-Jan-16	29.08	0.13
11-Jan-16	100.82	0.13
12-Jan-16	128.93	0.39
13-Jan-16	122.15	0.55
14-Jan-16	91.13	0.16
15-Jan-16	112.45	0.16
16-Jan-16	134.75	0.16
17-Jan-16	143.48	0.16
18-Jan-16	135.72	0.16
19-Jan-16	130.87	0.18
20-Jan-16	125.06	0.18
21-Jan-16	121.18	0.18
22-Jan-16	119.24	0.18
23-Jan-16	115.36	0.18
24-Jan-16	111.48	0.18
25-Jan-16	108.58	0.18
26-Jan-16	105.67	0.18
27-Jan-16	102.76	0.19
28-Jan-16	100.82	0.19
29-Jan-16	100.82	0.19
30-Jan-16	95.97	0.19
31-Jan-16	93.07	0.19
01-Feb-16	93.07	0
02-Feb-16	95	0.12
03-Feb-16	123.12	0.12
04-Feb-16	82.4	0.12
05-Feb-16	81.43	0.12
06-Feb-16	81.43	0.07
07-Feb-16	84.34	0.07
08-Feb-16	79.49	0.07
09-Feb-16	78.52	0.23

### Richardson #5 Mancos Production

AllocGas	AllocOil	
1.1	0	
1.1	0.54	
1.01	0.54	
0.79	0.54	
0.83	0	
1.07	0	
1.19	0	
0.83	0	
0.7	3.23	
0.92	3.23	
3.18	3.23	
4.07	9.69	
3.85	13.73	
2.87	4.04	
3.55	4.04	
4.25	4.04	
4.52	4.04	
4.28	4.04	
4.13	4.44	
3.94	4.44	
3.82	4.44	
3.76	4.44	
3.64	4.44	
3.52	4.44	
3.42	4.44	
3.33	4.44	
3.24	4.85	
3.18	4.85	
3.18	4.85	
3.03	4.85	
2.93	4.85	
2.93	0	
3	3.03	
3.88	3.03	
2.6	3.03	
2.57	3.03	
2.57	1.79	
2.66	1.79	
2.51	1.79	
2.48	5.77	

10-Feb-16	77.55	0.23
11-Feb-16	75.62	0
12-Feb-16	74.65	0.13
13-Feb-16	73.68	0.13
14-Feb-16	71.74	0.13
15-Feb-16	70.77	0.13
16-Feb-16	70.77	0.13
17-Feb-16	70.77	0.13
18-Feb-16	69.8	0.13
19-Feb-16	66.89	0.13
20-Feb-16	63.01	0.11
21-Feb-16	61.07	0.11
22-Feb-16	63.98	0.11
23-Feb-16	64.95	0.12
24-Feb-16	64.95	0.12
25-Feb-16	63.98	0.12
26-Feb-16	63.01	0.12
27-Feb-16	63.01	0.12
28-Feb-16	62.04	0.12
29-Feb-16	62.04	0.12

**2153.08**

**3.36**

2.45	5.77
2.38	0
2.35	3.22
2.32	3.22
2.26	3.22
2.23	3.22
2.23	3.22
2.23	3.13
2.2	3.13
2.11	3.13
1.99	2.68
1.93	2.68
2.02	2.68
2.05	3.07
2.05	3.07
2.02	3.07
1.99	3.07
1.99	3.07
1.96	3.07
1.96	3.07

**67.92**

**84.05**



# Richardson #5 Total Production:

Date	Gas	SCADA Gas	Line Pressure L	Oil
01-Jan-16	36	36	92.2	0
02-Jan-16	36	36	94.6	0.56
03-Jan-16	33	33	86.8	0.56
04-Jan-16	26	26	101.7	0.56
05-Jan-16	27	27	95.7	0
06-Jan-16	35	35	95.7	0
07-Jan-16	39	39	94.4	0
08-Jan-16	27	27	94.4	0
09-Jan-16	23	23	88.8	3.36
10-Jan-16	30	30	95.5	3.36
11-Jan-16	104	104	87.4	3.36
12-Jan-16	133	133	89	10.08
13-Jan-16	126	126	87.8	14.28
14-Jan-16	94	94	93	4.2
15-Jan-16	116	116	96.9	4.2
16-Jan-16	139	139	95.6	4.2
17-Jan-16	148	148	96	4.2
18-Jan-16	140	140	96.3	4.2
19-Jan-16	135	135	95.7	4.62
20-Jan-16	129	129	95.3	4.62
21-Jan-16	125	125	94.1	4.62
22-Jan-16	123	123	93	4.62
23-Jan-16	119	119	96.2	4.62
24-Jan-16	115	115	98.4	4.62
25-Jan-16	112	112	97.4	4.62
26-Jan-16	109	109	87.2	4.62
27-Jan-16	106	106	87	5.04
28-Jan-16	104	104	91.6	5.04
29-Jan-16	104	104	90.2	5.04
30-Jan-16	99	99	93.4	5.04
31-Jan-16	96	96	92.4	5.04
01-Feb-16	96	96	97.5	0
02-Feb-16	98	98	92.6	3.15
03-Feb-16	127	127	102.7	3.15
04-Feb-16	85	85	95.4	3.15
05-Feb-16	84	84	88.4	3.15
06-Feb-16	84	84	85.8	1.86
07-Feb-16	87	87	89.8	1.86
08-Feb-16	82	82	89.5	1.86
09-Feb-16	81	81	92.3	6



10-Feb-16	80	80	89.2	6
11-Feb-16	78	78	98.2	0
12-Feb-16	77	77	96	3.35
13-Feb-16	76	76	91.5	3.35
14-Feb-16	74	74	91.6	3.35
15-Feb-16	73	73	95.5	3.35
16-Feb-16	73	73	93.1	3.35
17-Feb-16	73	73	93.1	3.26
18-Feb-16	72	72	90.8	3.26
19-Feb-16	69	69	92.7	3.26
20-Feb-16	65	65	92.1	2.79
21-Feb-16	63	63	92.7	2.79
22-Feb-16	66	66	88.7	2.79
23-Feb-16	67	67	88.2	3.19
24-Feb-16	67	67	87.2	3.19
25-Feb-16	66	66	90.4	3.19
26-Feb-16	65	65	90.8	3.19
27-Feb-16	65	65	90.9	3.19
28-Feb-16	64	64	89.9	3.19
29-Feb-16	64	64	94.3	3.19

2221

87.41