

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 32340

Name: Bluegrass Energy, Inc.

Address 5727 S. Lewis Suite 260
Tulsa, OK 74105

City/State/Zip _____

Purchaser: _____

Operator Contact Person: Mark Repasky

Phone (918) 743-8060

Contractor: Name: Cheyenne Drilling

License: _____

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

4/29/1999 6/25/1999 8/30/1999
Spud Date Date Reached TD Completion Date

API NO. 15-

County Greeley

70' N of c. NW Sec. 12 Twp. 20S Rge. 40 X E/W

1250 Feet from SW (circle one) Line of Section

1320 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Watson E Well # 2-H

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3552 KB 3558

Total Depth 3271 MD PBTB 3271 MD

Amount of Surface Pipe Set and Cemented at 309 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2719

feet depth to surface w/ 360 sx cmt.

Drilling Fluid Management Plan AH-2 9-29-99 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 9600 ppm Fluid volume 300 bbls

Dewatering method used evaporation

Location of fluid disposal if haul off _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, re-completion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Andrew Wade

Title PRESIDENT Date 9/21/99

Subscribed and sworn to before me this 21st day of September, 1999.

Notary Public Deanna M. Wilson

Date Commission Expires 8/08/01

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

X

Operator Name Bluegrass Energy, Inc.

Lease Name Watson E

Well # 2-H

Sec. 12 Twp. 20S Rge. 40

East

County Greeley

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: Compenstaed Neutron Formation Density

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Base Of Stone Corral	2456	+1,102
Krider	2,772	+786
Winfield	2,813	+745

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24.00	309	Class H	185	2% CC, 1/4# floccel
Production	7 7/8"	5 1/2"	15.5	2719	Class H	360	1/4# floccel
Liner	4 1/2"	2 3/8"	4.7	2880	none	none	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	open hole	1000 gals 15% HCL	3271

TUBING RECORD Size 1 1/4" Set At 3279 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. well shut in evaluating Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil _____ Bbls. Gas _____ Mcf Water _____ Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACD-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____

JOB SUMMARY

ORIGINAL

REGION North America	NWA/COUNTRY	BDA/STATE KS	COUNTY Greeley
MU ID / EMP # MCE0112/105843	EMPLOYEE NAME R. CRIST	PSL DEPARTMENT 5002	
LOCATION Liberal	COMPANY Cheyenne Drilling	CUSTOMER REF / PHONE Damaso	
TICKET AMOUNT 3379.39	WELL TYPE 02	API / UWI #	
WELL LOCATION	DEPARTMENT 5002	JOB PURPOSE CODE 016	
LEASE / WELL # Watson E 2H	SEC / TWP / RANG 12-20S-40W		

HES EMP NAME/EMP#	EXPOSURE HOURS	HRS	HES EMP NAME/EMP#	EXPOSURE HOURS	HRS	HES EMP NAME/EMP#	EXPOSURE HOURS	HRS	HES EMP NAME/EMP#	EXPOSURE HOURS	HRS
R. Crist	105843	7									
J. Woodrow	105843	3									
D. Fulk		3									
J. Blum											

HES UNIT NUMBERS	RT MILES	HES UNIT NUMBERS	RT MILES	HES UNIT NUMBERS	RT MILES	HES UNIT NUMBERS	RT MILES
420621							
54218-78102							
52947-6612							

Form Name _____ Type _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

MATERIALS

Treat Fluid	Density	Lb/Gal
Disc. Fluid	Density	Lb/Gal
Prp. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	In
Perfor. Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
4-29-99	0200	4-29-99	0800	4-29-99	1117

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 5/8	61	309	
Liner						
Liner						
Top/D.P.						
Tbg/D.P.						
Open Hole			12 1/4		309	SHOTS/FT
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	
	Disp.	Overall
FEET 44	CEMENT LEFT IN PIPE	
	Reason	Shot Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	65	PP Lite	B	2% CC, 1/4# floccul	2.06	18.8
	100	C	B	2% CC, 1/4# FT	1.32	19.8

Circulating	Displacement	Pre/flush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkcn.	Gal - BBI	Pad. BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp. BBI - Gal
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	
	15 Min	Total Volume	Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *D. Astello*

JOB LOG 4239-5

ORIGINAL

REGION North America	NWA/COUNTRY	BOA / STATE	COUNTY
WELL ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC. TWP / RNG		

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
	2						
	2						

CHART NO	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	T _{bg}	C _{sg}	
	0200							Notified of Job
	0900							on location
	0940							Run 309' 8 1/2 C59
	1029							Hook up + Break circulation
	1030							Hook up to cement + Press Test
	1036	5	31			40		Pump Lead
	1039	5	23.5			40		Pump Tail
	1053							Drop Plug ✓
	1100	4	16					Pump Displacement
	1106					130		Bump Plug
								Shut in

SEP 24 1999

REGION: North America
 NW/COUNTRY: USA
 BDA / STATE: KS.
 COUNTY: Greeley
 MBU ID / EMP #: MCL50103 106304
 EMPLOYEE NAME: Tyce Davis
 PSL DEPARTMENT: ZI
 LOCATION: Liberal
 COMPANY: Bradshaw
 CUSTOMER REP / PHONE: Mark Kopuski
 TICKET AMOUNT: WELL TYPE: 02
 API / UWI:
 WELL LOCATION: Land E Tribune
 DEPARTMENT: ZI
 JOB PURPOSE CODE: 015
 LEASE / WELL #: Watson F
 SEC. TWP. RING: 12 20 40

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
T. Davis 106304 8 1/2			
J. Ender 106099 8 1/2			
S. Owens 106125 8 1/2			
J. Bond 8 1/2			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
5421F 7202	200						
	100						

Form Name _____ Type _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float 200 5/8	1	H
Float Shoe		
Guide Shoe 100	1	0
Centralizers 54	5	
Bottom Plug		W
Top Plug 54	1	
Head P.C.	1	L
Packer		
Other clamp	1	0

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid <td>Density</td> <td>Lb/Gal</td>	Density	Lb/Gal
Prop. Type <td>Size</td> <td>Lb.</td>	Size	Lb.
Prop. Type <td>Size</td> <td>Lb.</td>	Size	Lb.
Acid Type <td>Gal.</td> <td>%</td>	Gal.	%
Acid Type <td>Gal.</td> <td>%</td>	Gal.	%
Surfactant <td>Gal.</td> <td>in</td>	Gal.	in
NE Agent <td>Gal.</td> <td>in</td>	Gal.	in
Fluid Loss <td>Gal/Lb</td> <td>in</td>	Gal/Lb	in
Gelling Agent <td>Gal/Lb</td> <td>in</td>	Gal/Lb	in
Fric. Red. <td>Gal/Lb</td> <td>in</td>	Gal/Lb	in
Breaker <td>Gal/Lb</td> <td>in</td>	Gal/Lb	in
Blocking Agent <td>Gal/Lb</td> <td>in</td>	Gal/Lb	in
Pertpac Balls <td>Qty.</td> <td></td>	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
5-1-99	0600	5-1-99	1300	1700
				2000

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW.
Casing	N	15.5	5/8	KB	2719	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION	OPERATING HOURS		DESCRIPTION OF JOB
	DATE	HOURS	
			GRM
			5/8
			6.5
TOTAL	TOTAL		

HYDRAULIC HORSEPOWER
 ORDERED _____ Avg. _____ Used _____
AVERAGE RATES IN BPM
 TREATED _____ Disp. _____ Overall _____
CEMENT LEFT IN PIPE
 FEET 413 Reason S.T

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD LBS/GAL
1	300	P/M	0	1/4 Floccin	3.02 11.2
1	60	P/M	0	5" Colgel, 1/4 Floccin, 1/10% HG 14 d 722	1.35 15

Circulating _____	Displacement _____	Preflush _____ Gal (BB) 10	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____ Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment _____ Gal - BBI	Disp: (BB) Gal 63.5
Shut in: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____ Gal (BB) 1612.6	12.5
		Total Volume _____ Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE SIGNATURE: [Signature]

ORIGINAL

JOB LOG

ORDER NO. 70008

REGION North America	NWA/COUNTRY	SDA/STATE	COUNTY
MBL ID / EMP #	EMPLOYER NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REF / PHONE	
TICKET AMOUNT	WELL TYPE	AM / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNS		

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS

CHART NO.	TIME	RATE (BPM)	VOLUME (BB) GAL	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0600							called out for job
	0900							JOB PUT OFF till 1400
	1200							on LOC RIB L.D.O.A
	1400							OUT OF HOLE W/DP RIB UP LOGGERS.
	1645							OUT OF HOLE W/LOGS
	1700							Start 5 1/2 CSH & E.E.
	1820							CSH ON BOW HOOK UP 5 1/2 P.C. & CML FROM
	1825							brk cyl W/IRG.
	1827							Give to pit
	1825							then Give Hook Iron to PIT.
	1905					2000		lift out Iron.
	1910	4.5	16			170		pump mud flush.
	1914	6.5	161			250		pump 300.50 PPMc @ 11.2"
	1940	5.0	12			200		pump 500x PPMc @ 11.92 @ 15"
	1945	0	183			0		Shut down DDP PUMP
	1948	7.0	63.5			130		pump DISP.
	1952	7.0	63.5			300		30 bbls in unit to pit ✓
	1956	2.0	63.5			440		55 bbls in 510 rate.
	2000	2.0	63.5			500		Land flush
	2001	0	63.5			1300		release float - HELD.
	2030		63.5					Job over
								Thanks for calling HES
								TYC SCOT & CREW

Bluegrass Energy, Inc.

Watson E-2 (H) - Bradshaw Field, Greeley County, Kansas

Proposed Wellpath

ORIGINAL

Station	Measured Depth	Inclination Deg	Azimuth Deg	TVD Ft	N/S Ft	EW Ft	Departure Ft	Dog Leg Deg/ft	ROC FT
1	2771	3.1	46.9	2771.00	0.03	0.08	0.08		
2	2773	3.5	46.9	2773.00	0.11	0.16	0.19	0.20	286.48
3	2775	4.7	58.6	2774.99	0.20	0.27	0.34	0.73	78.66
4	2777	6.3	62	2776.98	0.29	0.44	0.53	0.82	70.21
5	2779	8	66.9	2778.97	0.40	0.66	0.77	0.90	63.50
6	2781	10.1	69.1	2780.94	0.52	0.96	1.09	1.08	53.85
7	2783	12.5	71.7	2782.90	0.65	1.33	1.47	1.23	46.72
8	2785	14.7	73	2784.85	0.79	1.77	1.94	1.11	51.59
9	2787	17.1	74.2	2786.77	0.94	2.30	2.49	1.21	47.31
10	2789	19.5	74.9	2788.67	1.11	2.90	3.11	1.21	47.55
11	2791	21.9	75.4	2790.54	1.29	3.59	3.81	1.20	47.62
12	2793	24	75.1	2792.38	1.49	4.34	4.59	1.05	54.48
13	2795	26.5	78.3	2794.19	1.69	5.17	5.44	1.42	40.24
14	2797	28.7	78	2795.96	1.88	6.08	6.36	1.10	51.98
15	2799	30.9	77.5	2797.70	2.09	7.05	7.35	1.11	51.76
16	2801	33.1	78.6	2799.39	2.31	8.09	8.41	1.14	50.35
17	2803	35.4	79.6	2801.05	2.52	9.19	9.53	1.18	48.40
18	2805	36.8	80.6	2802.66	2.72	10.35	10.71	0.76	75.44
19	2807	38.5	80.6	2804.25	2.92	11.56	11.92	0.85	67.41
20	2809	40.3	82.2	2805.79	3.11	12.81	13.19	1.03	55.45
21	2811	42.9	82.7	2807.29	3.29	14.13	14.51	1.31	43.72
22	2813	45.2	84	2808.73	3.45	15.51	15.89	1.24	46.37
23	2815	47.4	85.3	2810.11	3.58	16.95	17.33	1.20	47.90
24	2817	49.4	86.5	2811.44	3.69	18.44	18.81	1.10	52.28
25	2819	51.5	87.6	2812.71	3.77	19.98	20.34	1.13	50.60
26	2821	53.3	88.6	2813.93	3.82	21.57	21.90	0.98	58.27
27	2823	55.2	89.9	2815.10	3.84	23.19	23.51	1.09	52.73
28	2825	57.2	90.4	2816.21	3.84	24.85	25.15	1.02	56.10
29	2827	58.8	88.1	2817.27	3.86	26.55	26.83	1.26	45.42
30	2829	59.8	91.5	2818.29	3.87	28.27	28.53	1.54	37.09
31	2831	61.8	93.4	2819.27	3.79	30.01	30.25	1.30	44.11
32	2833	64.2	94.7	2820.17	3.67	31.79	32.00	1.33	43.00
33	2835	66.6	95.8	2821.01	3.50	33.60	33.78	1.30	44.07
34	2837	68.6	96.9	2821.77	3.30	35.44	35.59	1.12	51.07
35	2839	70.7	97.8	2822.47	3.06	37.30	37.42	1.13	50.63
36	2841	72.7	98.6	2823.09	2.79	39.18	39.28	1.07	53.56
37	2843	74.9	99.3	2823.65	2.49	41.07	41.15	1.15	49.81
38	2845	76.8	99.6	2824.14	2.17	42.99	43.04	0.96	59.62
39	2847	78.8	99.3	2824.56	1.85	44.92	44.95	1.01	56.69
40	2849	80.8	92.9	2824.92	1.64	46.87	46.90	3.30	17.34
41	2851	82.8	92.9	2825.20	1.54	48.85	48.87	1.00	57.30
42	2853	84.5	92.9	2825.42	1.44	50.83	50.85	0.85	67.41
43	2855	86.1	92.9	2825.59	1.34	52.83	52.84	0.80	71.62
44	2857	87.6	92.9	2825.70	1.24	54.82	54.83	0.75	76.39
45	2859	88.6	92.9	2825.76	1.13	56.82	56.83	0.50	114.59
46	2861	89.2	92.9	2825.80	1.03	58.81	58.82	0.30	190.99
47	2863	89.6	92.9	2825.82	0.93	60.81	60.82	0.20	286.48
48	2865	89.7	92.9	2825.84	0.83	62.81	62.81	0.05	1145.91
49	2867	89.6	92.9	2825.85	0.73	64.81	64.81	0.05	1145.91
50	2869	89.3	92.9	2825.87	0.63	66.80	66.81	0.15	381.97
51	2870	88.6	92.9	2825.88	0.58	67.80	67.80	0.70	81.85
52	2875	88.4	92.9	2826.02	0.32	72.79	72.79	0.04	1432.39
53	2880	88.6	92.9	2826.15	0.07	77.78	77.78	0.04	1432.39
54	2885	88.6	92.9	2826.27	-0.10	82.75	82.78	0.00	#DIV/0!
55	2890	88.1	92.9	2826.41	-0.43	87.77	87.77	0.10	572.96
56	2900	87.9	92.9	2826.76	-0.94	97.75	97.75	0.02	2864.78
57	2910	87.7	92.9	2827.15	-1.44	107.73	107.74	0.02	2864.78
58	2920	87.3	92.9	2827.58	-1.95	117.71	117.72	0.04	1432.39
58	2930	87	92.9	2828.08	-2.46	127.68	127.71	0.03	1909.85
60	2940	86.8	92.9	2828.62	-2.96	137.65	137.69	0.02	2864.78
61	2950	86.8	92.9	2829.18	-3.47	147.63	147.67	0.00	#####

62	2960	86.3	92.9	2829.78	ACTUAL	157.60	157.65	0.05	1145.91
63	2970	86.4	92.9	2830.42	-4.48	167.56	167.62	0.01	5729.56
64	2980	87.2	92.9	2830.98	-4.98	177.53	177.60	0.08	716.20
65	2981	87.2	92.9	2831.02	-5.03	178.53	178.60	0.00	#DIV/0!
66	2990	86.6	92.9	2831.51	-5.49	187.51	187.59	0.07	859.43
67	3000	86.7	92.9	2832.10	-5.99	197.48	197.57	0.01	5729.56
68	3010	86.7	92.9	2832.67	-6.50	207.45	207.55	0.00	#####
69	3020	86.6	92.9	2833.26	-7.00	217.42	217.53	0.01	5729.56
70	3030	86.9	92.9	2833.82	-7.51	227.39	227.51	0.03	1909.85
71	3040	87.3	92.9	2834.33	-8.01	237.36	237.50	0.04	1432.39
72	3050	86.9	92.9	2834.83	-8.52	247.34	247.48	0.04	1432.39
73	3060	87	92.9	2835.37	-9.02	257.31	257.47	0.01	5729.56
74	3070	86.8	92.9	2835.91	-9.53	267.28	267.45	0.02	2864.78
75	3078	87	92.9	2836.34	-9.93	275.26	275.44	0.03	2291.83
76	3085	87	92.9	2836.77	-10.28	282.24	282.43	0.00	16233.77
77	3090	87.9	92.9	2836.44	-10.54	287.26	287.45	0.02	3819.71
78	3095	88.8	92.9	2836.40	-10.79	292.26	292.46	0.03	2148.59
79	3100	89.3	92.9	2836.14	-11.04	297.26	297.47	0.03	1671.12
80	3105	89.5	92.9	2836.14	-11.30	302.25	302.47	0.03	1692.83
81	3109	90	92.9	2836.43	-11.50	306.24	306.46	0.05	1090.47
82	3120	91.5	92.9	2836.15	-12.08	317.23	317.46	0.08	763.94
83	3130	93.4	92.9	2835.80	-12.58	327.21	327.45	0.11	520.87
84	3140	93.8	92.9	2835.91	-13.07	337.18	337.43	0.11	522.40
85	3150	93.6	92.9	2836.43	-13.57	347.16	347.42	0.10	564.28
86	3160	93.4	92.9	2835.65	-14.08	357.16	357.44	0.08	729.22
87	3170	92.90	92.9	2835.42	-14.58	367.15	367.44	0.06	999.34
88	3180	92.5	92.9	2834.89	-15.09	377.15	377.45	0.04	1432.39
89	3190	92.7	92.9	2834.51	-15.60	387.13	387.44	0.04	1521.92
90	3200	92.7	92.9	2834.29	-16.10	397.10	397.43	0.03	1931.08
100	3210	92.4	92.9	2833.09	-16.61	407.06	407.40	0.01	5729.56
101	3220	92.1	92.9	2831.48	-17.11	416.99	417.34	0.01	3966.62
102	3230	92.6	92.9	2830.88	-17.61	426.93	427.29	0.01	4297.17
103	3234	93.4	92.9	2831.30	-17.81	430.89	431.26	0.00	24064.17
104	3240	93.4	92.9	2830.90	-18.12	436.92	437.29	0.00	#DIV/0!
105	3357	93.4	92.9	2825.14	-24.03	553.63	554.15	0.0	21428.57
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