KOLAR Document ID: 1403594

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Name:	
Feet from   North /   South Li	
City: State: Zip:	∃ast
Contact Person:	ne of Section
Phone: ()         NE NW SE SW           CONTRACTOR: License #	ne of Section
CONTRACTOR: License #	
Name:	
Name:	
Wellsite Geologist:	xxx.xxxxx)
Purchaser:	
Designate Type of Completion:	_
New Well Re-Entry Workover Field Name:	
Producing Formation:	
Gas DH EOR	
OG GSW Total Vertical Depth: Plug Back Total Depth:	
CM (Coal Bed Methane)  Amount of Surface Pipe Set and Cemented at:	Feet
☐ Cathodic ☐ Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? ☐ Yes ☐ No	
If Workover/Re-entry: Old Well Info as follows:	Feet
Operator: If Alternate II completion, cement circulated from:	
Well Name: feet depth to:w/	sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD ☐ Drilling Fluid Management Plan	
Plug Back Liner Conv. to GSW Conv. to Producer (Data must be collected from the Reserve Pit)	
Chloride content:ppm Fluid volume:	bbls
Commingled Permit #: Dewatering method used:	
SWD Permit #: Location of fluid disposal if hauled offsite:	
EOR Permit #:	
GSW Permit #: Operator Name:	
Lease Name: License #:	
Spud Date or Date Reached TD Completion Date or Quarter Sec. Twp. S. R	East  West
Recompletion Date Recompletion Date Countv: Permit #:	

#### **AFFIDAVIT**

I am the affiant and I hereby certify that 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.

**Submitted Electronically** 

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
☐ Wireline Log Received ☐ Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II III Approved by: Date:

KOLAR Document ID: 1403594

#### Page Two

Operator Name: _				Lease Name:			Well #:		
Sec Twp.	S. R.	E	ast West	County:					
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,	
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log	
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample	
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No						
		B	CASING eport all strings set-c		New Used	ion, etc.			
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD				
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives				
Perforate Protect Casi Plug Back T									
Plug Off Zor									
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,	
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity	
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom	
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT	
,	,			B.11 B1					
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record	
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:					
TODING RECORD:	. 3126.	Set	n.	i donei Al.					

Form	ACO1 - Well Completion
Operator	Three Rivers Exploration, LLC
Well Name	BIG SPRINGS 21
Doc ID	1403594

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.5	24	150	Pozmix	75	А
Production	7.875	5.5	15	2654	Thick Set	225	А

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561



**Cement or Acid Field Report** 3690 Ticket No.

Foreman Kevin McCoy

Camp EUREKA

API "15-01	7-20927-0	00-00	
Date	Cust. ID#	Lease & Well Number	

Date	Cust. ID#	Leas	se & Well Number		Section	To	wnship	Range	County		State
1-11-18	1128	B19 51	PRIN95 # 21		36	2,	25	9E	Chase		Ks
Customer		, ,		Safety	Unit #		Driv	ver	Unit #		Driver
THREE	RIVERS	Exploration	N 666	Meeting	100		DAVE	6.			
Mailing Address			,	KM	110		Alan	m			attraction of
	2 1 22			DG	112		JA501	NH.			
335 K	CoAd 20		_	AM	145		Steve	m.		e liebe	
City		State	Zip Code	AB	141		Allen	B.			
Olpe		KS	66865	sm							3227
					2	9 RH	LEAD				

Job Type Longstring	Hole Depth 2658 6.4.	Slurry Vol. 38 BbL TAIL	Tubing
Casing Depth 2654 6.L.	Hole Size 7 <sup>7</sup> / <sub>8</sub>	Slurry Wt. <u>12.8* - 13.7</u> *	Drill Pipe
Casing Size & Wt. 51/2 15.50#	Cement Left in Casing	Water Gal/SK	Other
Displacement 75 566	Displacement PSI 1250	Bump Plug to 1750 Pst	BPM

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C /07	30	Mileage	3.95	118.50
C 204	100 sks	50/50 Pozmix Cement	11.25	1125.00
C 206	500 #	Gel 6% / Lead Coment	.20 #	100.00
C 208	200 #	Pheno Seal 2#/sk	1.25 #	250.00
C 201	125 5KS	THICK Set Cement	19.50	2437.50
C 207	625 #	KOL-SEAL 5#/SK > TAIL CEMENT	. 45 #	281.25
c 208	250 #	Pheno Seal 2#/SK	1.25 #	312.50
C 108 B	11.0 TONS	Ton Mileage 30 miles	1.35	445,50
C 113	4 HRS	80 BBL VAC TRUCK # 1415	85.00	340.00
C113	4/ HRS	80 BBL VAC TRUCK # 141	85.00	340.00
C 224	6600 9Als	City water	10.00/1000	66.00
C 661	1	51/2 AFU FlOAT Shoe	294.00	294.00
C 421	1	5/2 LATCH down Plug	230.00	230.00
C 604	2	51/2 Cement BASkets	225.00	450.00
C 504	6	51/2 × 71/8 Centralizers	48.00	288.00
			Sub TotAL	8128.25
		IHANK YOU,	Less 5%	428.29
		7.5%	Sales Tax	437.57
Authoriz	ration	Title	Total	8137.53

810 E 7<sup>TH</sup> PO Box 92 EUREKA, KS 67045 (620) 583-5561



Cement or Acid Field Report
Ticket No. 3678
Foreman Kevin McGy

Camp EuReka

THREE RIVERS EXPLORATION LLC  Meeting KM AM 110 DAVE 6.  State Zip Code  OLPE  Lob Type Surface  Hole Depth 156 6.4. Slurry Vol 18 864 Tubing	State
Customer  THREE RIVERS EXPLORATION LLC  Mailing Address  538 Road 20  City  OLpe  Safety  Unit # Driver  Unit #  Driver  Unit	
Customer	Ks
Mailing Address  538 Road 20  City State Zip Code  OLpe Ks 66865  Hole Depth 156 6.4. Slurry Vol 18 864 Tubing	Driver
Address  538 Road 20  State Zip Code  OLpe K5 66865  Tubing	militario especialisti promo periodi de la composició de
City   State   Zip Code   Code	
of type Surface Hole Depth 156 6.4. Slurry Vol 18 864 Tubing	
of type Surface Hole Depth 156 6.4. Slurry Vol 18 864 Tubing	
Joh Type Surface Hole Depth 156 6.4. Slurry Vol 18 864 Tubing	
Casing Size & Wt. 85/8 Cement Left in Casing 15 Water Gal/SK 6.5 Other Displacement 9 BLL Displacement PSI Bump Plug to BPM  Remarks: SAFETY Meeting: Rig up to 85/8 Casing. Break Circulation w/ 5 BbL fresh w Mixed 75 sks Class "A" Cement w/ 3% Caclz 2% Gel 14 * fio-Seal / sk @ 14.8 * / gal =  Slurry. Displace w/ 9 BbL fresh water. Shut Casing in. 1 BbL Cement Slurry to  Job Complete. Rig down.	

Code	Qty or Units	Description of Product or Services	Unit Price	Total
/0/	1	Pump Charge	840.00	840.00
: 107	30	Mileage	3.95	118.50
200	75 sks	Class A" Cement	15.00	1125.00
205	210 *	CACLZ 3%	.60 #	126.00
206	140 #	Gel 2%	. 20 #	28.00
209	18 *	F10-SEAL 1/4 */5K	2.25 *	40.50
108 A	3.52 TONS	Ton MileAge	m/c	345.00
CONTRACTOR OF THE STATE OF THE				
A STATE OF THE STA				
		¥		
			A CONTRACTOR OF THE CONTRACTOR	
		THANK YOU	SUB TOTAL	2623.00
		7.5%	Sales Tax	98.96
Authori	ration Witness	sed By Dave Farthing Title	Total	2721.96

# **Geological Wellsite Report**

By David Griffin, PG GGR Inc. January 16, 2018

Well Info:

Big Springs 21 ~NW NW NE NE/4 5123' fsl, 1261' fel

Section 36-T22S-R9E Chase County, KS

API No. 15-017-20927-00-00 Datum: GL Elev 1633', Est

RTD: 2658' Status: Pipe Set, Waiting on Completion

Operator:

Three Rivers Exploration, LLC

538 Road 20

Olpe, Kansas, 66865 License No.: 33217 Contact: Dave Farthing

Contractor: Same as above

Objectives: Bartlesville SS

### **Drilling Notes:**

 $7\frac{7}{8}$  PDC Bit to 2176', Button Bit 2176' to TD at 2658'

Dec. 20, 2017, 4PM, Geologist Onsite, Drilling at 1150', Set up ROP Meter

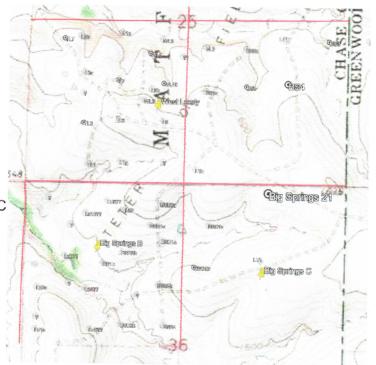
Dec. 18 thru Dec. 22, 2017, Drill from under surface to 2176', Set up Gas Detection

Dec. 22 thru Jan. 7, 2018, Shut down due to cold and holidays Jan. 8 thru Jan. 11, 2018, Drill form 2176' to TD at 2658'

Jan. 11, 2018, Open Hole Logged by Tucker Energy Services, Set Pipe

## **Geological Supervision:**

David Griffin, RG, GGR Inc. provided wellsite supervision from Dec. 20 thru Dec. 21 and from Jan. 7 thru Jan. 11, 2018. Drilling was witnessed from 1150' to 2176' and from 2220' to TD. Gas detection was performed from 1622' to 2176' and from 2220' to TD. Samples were collected and microscopically examined from 1920' to TD at 2658'. Annular velocity of 115 to 120 ft/min was measured and used for lagging samples.



**Geological Datums:** 

ai Datains.						
Three Rivers Exp	n, LLC		EL	Williams		
Big Sprin	Big Springs 21					
~NW NW	NE NE			SW NE SE		
Sec. 36-T2	2S-R9E			Sec. 25-T22S-R9E		
	OH Lo	og Tops	STRC	GRN	Log Tops	
Zones of Interest	GL	1633'	200	KE	3 1591'	
	Depth	Subsea	COMP	Depth	Subsea	
Douglas, Tonganoxie SS	1549	84		na	-	
Heebner Shale	1340	293		na		
Lansing	1677	-44		na		
Kansas City	1917	-284		na		
Base Kansas City	2092	-459	-15	2035	-444	
Cherokee	2370	-737	-20	2308	-717	
U. Cattleman SS	2471	-838		na		
Base SS	2475	-842		na		
U. Bartlesville SS	2539	-906	-27	2470	-879	
Base SS	2542	-909	-24	2476	-885	
L. Bartlesville Zone Marker	2548	-915	-22	2484	-893	
L. Bartlesville SS	2597	-964	-49	2506	-915	
Base SS	2618	-985	-4	2572	-981	
Rotary Total Depth	2658	-1025		2610	-1019	

# Detail Description of L. Bartlesville SS Pay Zone

**2597-2601**', (2610' Sample), **Top of Pay Sand, Fair Potential, 30% SS,** very light gray, very fine grained sub-angular quartz, fair to good porosity (Φ), fair odor, fair show of free oil in bag, good show of light gravity free oil (SFO) from cuttings when crushed, 30% bright fluorescence (BF); 40% Siltstone, very light gray, no show; Shale 30%, gray.

**2601'-2604'**, (2615' Sample), **Fair to Good Potential, 30% SS,** same as above, good  $\Phi$ , fair odor, good SFO in sample bag and when cutting are crushed, 30% BF; 40% Siltstone, very light gray, very fine sandy, no show; Shale 30%, light gray.

**2604'-2611'**, (2620' Sample), **Very Good Potential, 70% SS,** light gray, very fine to fine grained, good Φ, good odor, very good SFO in sample bag and when cuttings are crushed, 70% BF; SS, 10%, very light gray, very fine and silty, tite, no show; Siltstone and shale 20%, light gray to gray.

**2611'-2616'**, (2622' Sample), **Very Good Potential, 75% SS,** light gray, very fine to medium grained sub-angular quartz, good to very good  $\Phi$ , good odor, very good SFO in sample bag and when cutting are crushed, 75% BF; SS, 5%, very light gray, silty, tite, no show; Siltstone and shale 20%, light gray to gray.

**2616'-2621'**, (2625' Sample), **Very Good Potential, 60% SS,** light gray, very fine to fine with minor medium and coarse grained sub-angular quartz, good Φ, good odor, good to very good SFO in sample bag, 60% BF; SS, 10%, very light gray, silty, tite, no show; Siltstone and shale 30%, light gray to gray.

**2621'-2625'**, (2630' Sample), **Ditch Carryover?**, **30% SS**, light gray, very fine to medium grained sub-angular quartz, fair Φ, fair odor, good to very good SFO in sample bag, 30% BF; SS, 30%, very light gray, vf and silty, tite, no show; Siltstone and shale 40%, light gray to gray.

#### Summary:

The first detectable oil show was in the Upper Bartlesville SS from 2540' to 2546' (2550' Sample). The Open Hole Log indicated 3' of ~12% porosity from 2539' to 2542', but not of pay quality. The black shale marker for the Lower Bartlesville Zone was topped at 2548 (-915). The Lower Bartlesville Zone from 2563' to 2597' contained mostly siltstone and shale laminated with SS (2-15% SS) with several gas kicks and slight oil shows. The very thin sand streaks had trace to slight shows of free oil in the sample bags and were not of pay quality.

Lower Bartlesville SS was encountered from approximately 2597' to 2618', GL OH Log. Circulation samples were not collected from the pay zone, rather sampling was performed on the fly generally at 5' intervals. The L. BV SS from 2597'-2603' contained 30% sand with fair to good shows of free oil of fair pay quality. The L. BV SS from 2604'-2618' contained 60-75% porous oil saturated sand that bled good to very shows of free oil into the sample bag under a UV Light. It also contained very good (dissolved) gas readings up to 430 units.

The L. Bartlesville SS was significantly structurally lower and thinner than in Big Springs 4 lying several locations to the north. Pay zone evaluation from the open hole log data using a sophisticated spreadsheet format, (Pfeffer, KGS) using pay zone cutoffs of 18% porosity and 75% saltwater and an Rw of 0.07, flags pay zone from 2604' to 2617'. Saltwater percentages ranged from 49.8 to 66.4%. Volumetric analysis calculates approximately **91,345** stock tank barrel of oil in place based on 10 acre spacing. The spreadsheet is attached at the end of this report.

#### Recommendations:

Based on the very favorable free oil shows, SW% and oil in place, the operator set and cemented production casing. It is recommended that perforations be placed in the most porous part of the SS from 2605' to 2610' (GL) and lightly frac'd. The open hole and cased hole logs should be correlated in order to select final depth of perforations.

Respectfully Submitted,

David Griffin, PG

GGR (Griffin Geological Resources), Inc.

Lawrence, Kansas

Attachments: Sample Log, SW and OIP Spreadsheet

### Three Rivers Exploration

#### Big Springs 21, NW NW NE NE, Sec 36-T22S-R9E %SW and STOOIP Estimations, L. BV SS (2585' - 2619') By David Griffin, PG

Model = Archie													
PARAMETERS	ZN	DEPTH	ТНИ	RT	PHI	RWA	RO	MA	sw	BVW	V/011	DAY	
X	1	2585.2	0.5			0.24	1.64			0.094	VSH	PAY	BOI
Y	2	2585.7	0.5			0.25	1.55			0.094	0.896	0	1.05 1.05
A 1	3	2586.2	0.5			0.25	1.52			0.096	0.981	0	1.05
M 1.8	4	2586.7	0.5			0.24	1.58			0.097	0.983	0	1.05
N 2		2587.2	0.5	5.19	17.1%	0.22	1.68			0.097	0.919	0	1.05
RW 0.07		2587.7	0.5			0.21	1.69	2.42		0.098	0.927	0	1.05
CTHK 34.5		2588.2	0.5			0.22	1.63	2.44	57.0%	0.099	0.970	0	1.05
AVPHI 0.20 FTOIL 1.24	8	2588.7	0.5	4.96		0.22	1.54	2.48		0.100	0.952	0	1.05
FTOIL 1.24 PAYFEET 13.5	9	2589.2 2589.7	0.5			0.25	1.39	2.57		0.101	0.912	0	1.05
Brls Oil In 91,345	11	2590.2	0.5	4.97 5.03		0.27	1.30	2.63		0.101	0.894	0	1.05
Place	12	2590.7	0.5	5.13		0.26	1.34 1.59	2.61 2.47		0.100	0.903	0	1.05
10 Acre Spacing	13	2591.2	0.5	5.24		0.23	1.92	2.35		0.098 0.096	0.903 0.930	0	1.05
P	14	2591.7	0.5	5.36		0.20	1.90	2.37		0.095	0.984	0	1.05
Q	15	2592.2	0.5	5.46		0.24	1.60	2.51		0.095	0.962	0	1.05
R	16	2592.7	0.5	5.56		0.28	1.38	2.64		0.095	0.944	0	1.05
DMIN	17	2593.2	0.5	5.63		0.28	1.39	2.64	49.7%	0.094	1.014	0	1.05
DMAX KB	18	2593.7	0.5	5.68		0.27	1.50	2.58		0.094	1.037	0	1.05
TD	19	2594.2	0.5	5.68		0.27	1.46	2.61	50.7%	0.094	1.006	0	1.05
BHT	20 21	2594.7 2595.2	0.5	5.59 5.46		0.28	1.37	2.65		0.095	1.036	0	1.05
ST	22	2595.2	0.5	5.46	19.1% 19.3%	0.28 0.27	1.38 1.35	2.63		0.096	1.077	0	1.05
RMF	23	2596.2	0.5	5.17		0.27	1.27	2.63 2.67	50.5% 49.6%	0.097	1.107	0	1.05
RMFT	24	2596.7	0.5	5.05		0.28	1.26	2.66	50.0%	0.099	1.100 1.010	0	1.05 1.05
	25	2597.2	0.5	4.95	20.0%	0.27	1.27	2.64	50.7%	0.101	0.903	0	1.05
CUT-OFFS	26	2597.7	0.5	4.81	20.6%	0.28	1.21	2.68	50.1%	0.103	0.862	o	1.05
PHICUT 0.18	27	2598.2	0.5	4.65		0.29	1.12	2.73	49.0%	0.105	0.867	0	1.05
SWCUT 0.75	28	2598.7	0.5	4.49	21.5%	0.28	1.12	2.70	49.9%	0.107	0.872	0	1.05
VSHCUT 0.6 BVWCUT 0.2	29	2599.2	0.5	4.34		0.25	1.20	2.61	52.6%	0.108	0.874	0	1.05
BVWCUT 0.2	30 31	2599.7 2600.2	0.5	4.2	20.0%	0.23	1.26	2.55	54.8%	0.110	0.866	0	1.05
Colors: ON	32	2600.2	0.5 0.5	4.08 3.97	20.1%	0.23	1.25	2.54	55.5%	0.112	0.866	0	1.05
	33	2601.2	0.5	3.85	20.3%	0.23 0.22	1.21 1.23	2.55 2.52	55.2%	0.113	0.898	0	1.05
	34	2601.7	0.5	3.74	20.3%	0.21	1.23	2.50	56.5% 57.3%	0.115 0.117	0.869 0.815	0	1.05 1.05
STOOIP=	35	2602.2	0.5	3.65	20.1%	0.20	1.26	2.46	58.8%	0.117	0.818	0	1.05
Stock tank original oil in	36	2602.7	0.5	3.58	19.8%	0.19	1.29	2.43	60.1%	0.119	0.768	0	1.05
place	37	2603.2	0.5	3.55	20.4%	0.20	1.22	2.47	58.7%	0.120	0.672	0	1.05
	38	2603.7	0.5	3.56	20.7%	0.21	1.19	2.50	57.8%	0.120	0.616	0	1.05
	39	2604.2	0.5	3.59	20.9%	0.22	1.17	2.52	57.0%	0.119	0.597	0.05	1.05
	40 41	2604.7	0.5	3.64	21.3%	0.23	1.13	2.56	55.8%	0.119	0.574	0.05	1.05
	42	2605.2 2605.7	0.5	3.67 3.69	21.6% 22.3%	0.23	1.11	2.58	54.9%	0.118	0.517	0.05	1.05
	43	2606.2	0.5		23.4%	0.25 0.27	1.04 0.96	2.64 2.73	53.1%	0.119	0.453	0.05	1.05
	44	2606.7		3.69	24.0%	0.28	0.91	2.78	50.9% 49.8%	0.119 0.119	0.431	0.06	1.05
	45	2607.2		3.68	23.8%	0.28	0.93	2.76	50.3%	0.119	0.454	0.06	1.05 1.05
	46	2607.7		3.67	23.1%	0.26	0.98	2.70	51.7%	0.119	0.454	0.06	1.05
	47	2608.2	0.5	3.66	22.8%	0.26	1.00	2.67	52.4%	0.119	0.449	0.05	1.05
	48	2608.7		3.64	22.6%	0.25	1.01	2.66	52.8%	0.120	0.444	0.05	1.05
	49	2609.2		3.62	22.8%	0.25	1.01	2.67	52.7%	0.120	0.450	0.05	1.05
	50 51	2609.7	0.5	3.6	23.0%	0.26	0.98	2.68	52.3%	0.120	0.471	0.05	1.05
	52	2610.2 2610.7		3.58 3.56	22.6%	0.25	1.02	2.64	53.3%	0.121	0.474	0.05	1.05
	53	2611.2		3.54	21.9% 21.7%	0.23 0.23	1.08	2.58	55.1%	0.120	0.454	0.05	1.05
	54	2611.7		3.52	21.5%	0.23	1.09 1.11	2.57	55.6%	0.121	0.446	0.05	1.05
	55	2612.2		3.49	20.6%	0.20	1.21	2.47	56.3% 58.8%	0.121 0.121	0.452 -10.093	0.05	1.05
	56	2612.7		3.45	19.3%	0.18	1.35	2.37	62.5%	0.121	-10.093	0.04	1.05 1.05
	57	2613.2	0.5	3.4	18.9%	0.17	1.40	2.33	64.3%	0.121	-10.093	0.03	1.05
	58			3.36	19.4%	0.18	1.33	2.36	63.0%	0.123	-10.093	0.04	1.05
	59			3.34	19.9%	0.18	1.28	2.40	61.8%	0.123	-10.093	0.04	1.05
	60			3.32	19.6%	0.18	1.32	2.37	63.0%	0.123	-10.093	0.04	1.05
	61			3.33	18.7%	0.16	1.43	2.30	65.5%	0.123	-10.093	0.03	1.05
	62 63			3.36	18.3%	0.16	1.48	2.28	66.4%	0.122	-10.093	0.03	1.05
	64			3.42 3.52	19.0% 19.8%	0.17	1.39	2.34	63.8%	0.121	-10.093	0.03	1.05
	65			3.66	19.8%	0.19 0.19	1.29 1.33	2.42	60.6%	0.120	-10.093	0.04	1.05
	66			3.86	17.9%	0.19	1.55	2.42	60.2% 63.4%	0.117	-10.093	0.04	1.05
	67			4.11	15.5%	0.17	2.01	2.18	70.0%	0.113 0.108	-10.093 -10.093	0	1.05
	68			4.4	13.1%	0.11	2.73	2.03	78.8%	0.103	-10.093	0	1.05 1.05
	69	2619.2	0.5	4.72	11.4%	0.10	3.47	1.94	85.7%	0.098	-10.093	0	1.05
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