

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1220202

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec.	Twp S. R	East West
Address 2:			F6	eet from North / Se	outh Line of Section
City: S	tate: Z	ip:+	Fe	eet from East / W	lest Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section Cor	rner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long:	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	Well	l #:
	e-Entry	Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	□ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _	
OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total Dep	oth:
CM (Coal Bed Methane)	_ dow	тетір. дай.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Con	re, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes N	No
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet
Operator:			If Alternate II completion, of	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:	Original T	otal Depth:			
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t		
Commingled	Dormit #		Chloride content:	ppm Fluid volume: _	bbls
Dual Completion			Dewatering method used:		
SWD			Location of fluid disposal if	i hauled offsite:	
☐ ENHR			Loodiion of haid diopodal in	nation office.	
GSW	Permit #:		Operator Name:		
_ _				License #:	
Spud Date or Date Re	ached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West
Recompletion Date		Recompletion Date	County:	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							
Geologist Report Received							
UIC Distribution							
ALT I II Approved by: Date:							



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Eures, whether shut-in preith final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		tain Geophysical Data a r newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-			ion, 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
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
Does the volume of the to		n this well? aulic fracturing treatment ex submitted to the chemical (_	Yes ? Yes Yes	No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot	PERFORATIO	N RECORD - Bridge Plug	s Set/Type		cture, Shot, Cement		
	Specify Fo	ootage of Each Interval Per	forated	(A	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole	METHOD OF COMPLE Perf. Dually (Submit A	Comp. Cor	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sub	omit ACO-18.)	Other (Specify)	(Submit)	100-3) (SUB	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Janet 3404 1-7H
Doc ID	1220202

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9319-9445	1500 gals 15% HCL Acid, 5316 bbls Fresh Slickwater, Running TLTR 5546 bbls	
5	8860-9150	1500 gals 15% HCL Acid, 6212 bbls Fresh Slickwater, Running TLTR 11910 bbls	
5	8458-8760	1500 gals 15% HCL Acid, 6264 bbls Fresh Slickwater, Running TLTR 18310 bbls	
5	8018-8372	1500 gals 15% HCL Acid, 5988 bbls Fresh Slickwater, Running TLTR 24423 bbls	
5	7652-7758	1500 gals 15% HCL Acid, 6079 bbls Fresh Slickwater, Running TLTR 30611 bbls	
5	7276-7565	1500 gals 15% HCL Acid, 5743 bbls Fresh Slickwater, Running TLTR 36448 bbls	
5	6853-7180	1500 gals 15% HCL Acid, 5936 bbls Fresh Slickwater, Running TLTR 42463 bbls	
5	6462-6785	1500 gals 15% HCL Acid, 5713 bbls Fresh Slickwater, Running TLTR 48252 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Janet 3404 1-7H
Doc ID	1220202

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6003-6404	1500 gals 15% HCL Acid, 5513 bbls Fresh Slickwater, Running TLTR 53824 bbls	
5	5613-5928	1500 gals 15% HCL Acid, 5861 bbls Fresh Slickwater, Running TLTR 59685 bbls	
5	5225-5510	1500 gals 15% HCL Acid, 5897 bbls Fresh Slickwater, Running TLTR 65615 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Janet 3404 1-7H
Doc ID	1220202

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	90	Mid- Continent Grout	10	none
Surface	12.25	9.63	36	597	Halliburton Class A	340	3% CaCl2, 12.01 Gal Fresh Water, .25 Ibm Poly- E-Flake
Intermedia te	8.75	7	26	5168	Halliburton Class A		2% Bentonite, 7.42 Gal Fresh Water, .4% halad(R)-9

Mid-Continent Conductor, LLC

P.O. Box 1570

Woodward, OK 73802

Phone: (580)254-5400 Fax: (580)254-3242

Ordered By

Bill To	
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102	

Terms

Invoice

Date	Invoice #
5/12/2014	2680

	Ordered By	Terms	Date of Service		Lease N	ame/Legal Desc.	Drilling Rig	
	Carl Miller	Net 30		5/12/2014	Janet 3404 1	-7H, Sumner Cnty, KS	Unit 310	
	Item	Quantity				Description		
Conductor Hole 90 20" Pipe 90 Mouse Hole 80 16" Pipe 80 Cellar Hole 1 6' X 6' Tinhorn 1 Mud and Water 1 Transport Truck - Conductor 1 Grout & Trucking 10 Grout Pump 1 Fence Panels 1 Welder & Materials 1 Dirt Removal 1 Cover Plate 1				Drilled 90 ft. con Furnished 90 ft. con Furnished 80 ft. mo Furnished 80 ft. o Drilled 6x6 cellar Furnished and se Furnished mud ar Furnished 10 yar Furnished grout p Furnished and se Furnished welder Labor and equipn Furnished cover p Permits	of 20 inch conducts hole. of 16 inch mouse hole. of 16 inch mouse hole. t 6x6 tinhorn. od water to locate do of grout and to bump. t safety panels are and materials. nent for dirt remolates. AFE Num Vell Nam Code:	ton. rucking to location. ound holes. oval. ber: DC 1386 e: DANET 346 350 = 010 18,100 MICHAEL KU Sig.: MDL	Lettesky	100.00
					Sales	Tax (0.0%)		\$0.00

Date of Service

Lease Name/Legal Desc.

Total

\$18,100.00

HALLIBURTON

Field Ticket

Original

Field Ticket Number:	0901370228 F	ield 1	Ticket Date: Thursday, May 22, 2	2014 Planning Order#: NA
Bill To:		[Job Name:	9.625" Surface Casing
SANDRIDGE ENERGY INC EBUSINESS, PO BOX 548807 - DO NOT MAIL.			Order Type:	ZOH
OKLAHOMA CITY, OK, 73154		1	Well Name:	JANET 3404 1-7H
			Company Code:	1100
			Customer PO No.:	NA
Ship To:			Shipping Point:	WOODWARD Shipping Point
JANET 3404 1-7H,SUMNER, CORBIN, KS, 67022			Sales Office:	MID-CONTINENT BD
00110111, 110, 01022		ŀ	Well Type:	HORIZONTAL OIL
		ŀ	Well Category:	Development

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW	140	МІ	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	140	МІ	0.00	0.00		0.00
452981	CMT, ExtendaCem (TM) system	190	SK	34.63	6,579.70	2960.87	3,618.83
101216940	CHEM, Pol-E-Flake, 25 lb bag Poly-E-Flake	48	LB	0.00	0.00		0.00
101509387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK Calcium Chloride, Pellet	11	sĸ	0.00	0.00		0.00
452986	CMT, HalCem (TM) system	150	SK	47.04	7,056.00	3175.20	3,880.80
101216940	CHEM, Pol-E-Flake, 25 lb bag Poly-E-Flake	19	LB	0.00	0.00		0.00
101509387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK Calcium Chloride, Pellet	6	SK	0.00	0.00		0.00
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	382	CF	0.00	0.00		0.00
76400	MILEAGE,CMT MTLS DEL/RET MIN	70	MI	0.00	0.00		0.00
			Totals	USD	\$ 13,635.70	\$ 6,136.07	\$ 7,499.63

HALLIBURTON

Field Ticket

Original

Field Ticket Number: 0901385019	Field	Ticket Date: Friday, May 30, 2014	4 Planning Order #: NA
Bill To:		Job Name:	7" Intermediate Casing
SANDRIDGE ENERGY INC EBUSINESS, PO BOX 548807 - DO NOT MAIL,		Order Type:	ZOH
OKLAHOMA CITY, OK, 73154		Well Name:	JANET 3404 1-7H
		Company Code:	1100
		Customer PO No.:	NA
Ship To:		Shipping Point:	WOODWARD Shipping Point
JANET 3404 1-7H, SUMNER, CORBIN, KS, 67022		Sales Office:	MID-CONTINENT BD
SONDIN, NO, 01022		Well Type:	HORIZONTAL OIL
		Well Category:	Development

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW	140	MI	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	140	MI	0.00	0.00		0.00
141	RCM II W/ADC,/JOB,ZI	1	JOB	0.00	0.00		0.00
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	0.00		0.00
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	0.00		0.00
101229888	PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA	0.00	0.00		0.00
100003650	CHEM, CAUSTIC SODA BEADS, 50# Caustic Soda Beads	50	LB	0.00	0.00		0.00
452992	CMT, EconoCem (TM) system	150	SK	31.15	4,672.50	2149.35	2,523.15
100001617	CHEM, Halad-9, 50 lb Halad(R)-9	54	LB	0.00	0.00		0.00
100003682	CHEM, BENTONITE (PER 100 LB) Bentonite	3	SK	0.00	0.00		0.00
452986	CMT, HalCem (TM) system	190	SK	48.19	9,156.10	4211.81	4,944.29
100001617	CHEM, Halad-9, 50 lb <i>Halad(R)</i> -9	72	LB	0.00	0.00		0.00
76400	MILEAGE,CMT MTLS DEL/RET MIN	70	MI	0.00	0.00	,	0.00
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	353	CF	0.00	0.00		0.00
201060	AQUAGEL - 50 LB BAG	6	BAG	0.00	0.00		0.00
			Totals	USD	\$ 13,828.60	\$ 6,361.16	\$ 7,467.44

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
SHL BHL	0		0.00				0.00	0.00	5772	-500	4073	1257
Miss Entry	9579 4581		-161.80 6.52				5443.77 463.34	1.68 5.71	331 5310	4941 -38	4270 4140	1088 1192
Top Perf	4681	76.68	6.54	4427.27	558.08	72.92	557.82	8.38	5215	56	4151	1181
Bottom Perf	9464	91.42	272.45	4417.71	5329.37	146.78	5328.82	1.20	446	4826	4269	1089
Survey Points	SW Corne NE Corne	er XY Coord er XY Coord er XY Coord er XY Coord	X 2203638 2203687 2208997 2209018	Y 162366 157091 162484 157214		Surface XY	X 2207763.5	Y 156684.9	East South	Line slope	m 0.022019 -0.0039848 0.0230726 -0.0092891	
	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
	Depth (ft)	Incl. (deg)	Azim. (ft)	Depth (ft)	Southings (-) (ft)	Westings (-) (ft)	Section (ft)	deg/100' (deg)	FNL	FSL	FWL	FEL
	0		0	0	(11)	0	0	0	5772	-500	4073	1257
	18	0.00	0.00	18.00	0.0	0.0	0.00	0.00	5772	-500	4073	1257
	250 597	0.25 0.50	285,64 285,64	250.00 596.99	0.1 0.7	-0.5 -2.7	0.14 0.76	0.11 0.07	5772 5771	-500 -499	4072 4070	1257 1259
	708	0.15	285.64	707.99	0.9	-3.3	0.93	0.32	5771	-499	4069	1260
	1171 1639	0.16 0.20	299.00	1170.99	1.4	-4.4	1.41	0.01	5770	-499	4068	1261
	2113	0.40	34.20 76.73	1638.99 2112.98	2.4 3.5	-4.5 -2.5	2.40 3.46	0.06 0.06	5769 5768	-498 -497	4068 4070	1261 1259
	2588	0.64	79.92	2587.96	4.3	1.8	4.29	0.05	5768	-496	4075	1255
	3063 3537	0.61 0.53	37.69 39.96	3062.93 3536.91	6.8 10.4	5.9 8.9	6.74 10.41	0.09 0.02	5765 5762	-494 -490	4079 4082	1251 1248
	3695	2.08	0,89	3694.87	13.9	9.4	13.83	1.08	5758	-490	4082	1247
High DLS	3726	4.02	2,68	3726.62	15.5	9.5	15.49	6.27	5757	-485	4082	1247
please slow di	3758		2.70	3757,70	1812	9.6	18:21	5.47	5754	-482	4083	1247
RIH speed to no greater that	3769 3821	7.77	4.48	3769.48	21.9	5.8	21.85	6.48	5750	-478	4083	1247
16.5' per mina	3621	9,97 11,87	6.97 7.58	3820.10 3850.54.	26.6 32.6	10.0	26.76 32.59	6.91 6.21	5745 5740	-474 -468	4083 4084	1246 1245
hook up the	3884	12.75	6.35	3881.00	39.4	12.0	39,34	2.00	5733	-461	4085	1244
weight line to	3915	14,85	7.63	3941,90	46.7	13.0	40.86	6.80	5726	-454	4086	1243
any dragging	2.947	18.60	7.13	3942.71	55,3	14.1	95,26	5.49	5717	-445	4087	1242
	3979	10.21	6.69	3973.24	64.8	15,2	64.76	6,06	5707	-436	4089	1241
	A011	29,66	6,63	4003.41	7.5.4	18.5	76,33	7.68	5697	-425	4090	1240
	4042	23,32, 25.08	6.58.	4032.16	66.9	17,8	86,65	8.58	5685	-414	4091	1238
	4106	20.00	6.66	4001.23	114.9	19.5 21.0	100.13	0.50	5672 5657	-400 -386	4093 4095	1237 1235
High DLS	4127	32.00	6.82	4116.27	130 6	22.9	f30,45	9.29	5642	-370	4097	1233
please slow de	4169	36.05	7.02	4142,95	148.1	25.0	148.03	9.54	5624	-353	4099	1231
RIH speed to	420↑	38.07	5.97	4 (68 65)	107.0	27.3	166.94	9.44	5606	-334	4102	1229
no greater tha	4700	40.62	5.90	4100.50	186.6	29.5	189,51	9.39	5586	-314	4104	1226
16.6' per min a hook up the	4254 4296	43.42 45.06	5.17 6.26	4210.32	2080 230,2	31,4	207.87	8.15	5565	-293	4106	1224
weight line to	4327	48.91	6.92	4200.78	252.3	33.7 36.2	230 07 252 21	5.65 6.16	5542 5520	-271 -249	4109 4111	1222 1219
any dragging.	4359	49,32	6.51	- 4262,14	2/6.0	- 90.0	275.86	7.50	5497	-225	4114	1216
	4391	52.18	6.81	4302.30	300,6	41.9	300,46	8.07	5472	-201	4117	1214
	4422	54.86	7.32	4320 81	3263	45.0	325.18	13.5	5448	-176	4121	1210
High DLS	4354	57.56	7.83	4338.60	351.7	40.5	351.54	8,48	5421	-150	4124	1207
please slow (II RJH speed to	4485	00.16 68.13	8.14 7.62	4364.03	378.0 405.9	52.2 FOR	377.80	8,43 8.44	5395	-123	4128	1203
no greater tha	4549	66.28	6.39	4383.78	434.6	59,0 59.5	405,58	v.38	5367 5339	-96 -67	4132 4136	1199 1195
16.5' per min s	4500	66.98	6.54	439B.31	482.6	927	462.41	B.57	5311	-39	4140	1192
hook up the	4812	70.20	5.76	4407.99	402:3	65.9)	492.02	19/32	5281	-9	4143	1189
weight line to	4343	73.60	6.07	4417.62	621.6	68.9	524.34	1,1,01	5252	20	4146	1186
any dragging	4675	76.11	6,27	4425,98	552.3	72.2	552.01	7.87	5221	50	4150	1182
	4706	70.08	7.66	4432.64	682.3	75.9	582.04	10,53	5191	80	4154	1178
	4769 4816	84.47 85.74	8.68 8.18	4444.65	690.3	91.6	690.00	2.90	5130 5084	142 188	4163 4171	1169 1162
Top of Tanger	4864	86.45	8.42	4448.93	737.7	98.5	737.37	1.56	5036	235	4178	1155
@ 4808'	4911	86.60	9.25	4451.78	784.1	105.7	783.70	1.79	4990	281	4186	1148
Set @	4959	87.07	8,72	4454,43	831.4	113.2	831.01	1.47	4943	329	4194	1140
	5006	87.01	9.71	4456.85	877.7	120.7	877.31	2.11	4897	375	4202	1132
Btm of Tanger	5054 5148	86.92 87.47	8.15 9.03	4459.39 4463.99	925.1	128.2	924.64	3,25	4850 4757	422	4209	1125
@ 5073'	5216	89.32	7.54	4465.90	1017.9 1085.2	142.2 152.0	1017.42 1084.65	1.10 3.49	4757 4690	514 582	4224 4235	1110 1100
_	5279	89.04	4.50	4466.80	1147.8	158.6	1147.26	4.85	4628	644	4242	1093
	5342	88.52	3.45	4468.14	1210.7	163.0	1210.08	1.86	4565	707	4247	1089
	5437 5532	88.31 89.23	2.30 1.44	4470.77 4472.81	1305.5 1400.4	167.7 170.8	1304.90 1399.82	1.23 1.33	4470 4375	801 896	4253 4257	1084 1080
		- 3120			. 100.7	.10.0	,000,02	1.00	-,010	550	7201	1000

1	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
-	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
	(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
	5627	90.34	0.27	4473.17	1495.4	172.2	1494.80	1.70	4280	991	4259	1078
	5722	91.02	0.34	4472.04	1590.4	172.7	1589.79	0.72	4185	1086	4260	1078
	5816	90.28	0.49	4470.97	1684.4	173.4	1683.77	0.80	4091	1180	4262	1076
	5911	91.11	359.50	4469.82	1779.4	173.4	1778.77	1.36	3996	1275	4263	1076
	6005	91.05	358.78	4468.05	1873.4	172.0	1872.74	0.77	3902	1369	4262	1077
	6037 6100	91.60 91.20	358.38	4467.31	1905.3	171.2	1904.73	2.13	3870	1401	4262	1078
	6132	91.20	358.04 358.14	4465.77 4465.10	1968.3	169.2	1967.68	0.83	3807	1464	4260	1080
	6195	89.94	358.40	4465.10	2000.3 2063.2	168.2 166.3	1999.66 2062.63	0.31 2.04	3775	1496	4259	1080
	6283	92.74	358,33	4462.41	2151.2	163.8	2150.57	3.18	3712 3624	1559 1647	4258 4256	1082 1084
	6313	93.36	358.26	4460.82	2181.1	162.9	2180.52	2.08	3594	1677	4256	1084
	6407	92.50	358.92	4456.01	2275.0	160.6	2274.38	1.15	3501	1771	4254	1087
	6502	93.39	359.38	4451.13	2369.8	159.2	2369.24	1.05	3406	1866	4254	1088
	6596	90.98	359.69	4447.55	2463.7	158.4	2463.17	2.58	3312	1960	4254	1088
	6691	93.97	0.39	4443.45	2558.6	158.5	2558.07	3.23	3217	2055	4255	1088
	6786	94.41	0.65	4436,51	2653.4	159.3	2652.80	0.54	3122	2150	4257	1087
	6881	92.99	0.23	4430.37	2748.2	160.1	2747.60	1.56	3027	2244	4258	1086
	6975	89.51	359.82	4428.32	2842.1	160.1	2841.56	3.73	2933	2338	4259	1085
	7007	88.18	359.64	4428.97	2874.1	159.9	2873.55	4.19	2901	2370	4259	1085
	7038	88.24	359.70	4429.94	2905.1	159.8	2904.54	0.27	2870	2401	4259	1085
	7070	88.49	359.48	4430.85	2937.1	159.5	2936.52	1.04	2838	2433	4260	1085
	7102 7166	89.11	359.52	4431.52	2969.1	159.3	2968,52	1.94	2806	2465	4260	1086
	7197	90.06 90.22	359.69 359.51	4431.98	3033.1	158.8	3032.51	1.51	2742	2529	4260	1086
	7260	91.42	359.51	4431.91 4431.01	3064.1	158.6	3063.51	0.78	2711	2560	4260	1086
	7355	87.93	0.56	4431.55	3127.1 3222.1	158.3 158.7	3126.51 3221.49	2.00 3.74	2648 2553	2623	4260	1086
	7387	87.68	0.34	4431.33	3254.0	158.9	3253.46	1.04	2553	2718 2750	4261 4262	1085 1085
	7482	88.15	0.61	4436.23	3349.0	159.7	3348.39	0.57	2426	2845	4262	1084
	7545	87.63	0.45	4438.55	3411.9	160.3	3411.34	0.86	2364	2908	4265	1083
	7640	85.60	359.16	4444.16	3506.8	160.0	3506.17	2.53	2269	3003	4265	1083
	7703	89.54	359.05	4446.83	3569.7	159.0	3569.10	6.26	2206	3066	4265	1083
	7798	90.80	358.37	4446.55	3664.7	156.8	3664.08	1.51	2111	3161	4264	1085
	7861	92.00	357.30	4445.01	3727.6	154.5	3727.02	2.55	2048	3224	4262	1087
	7893	92.62	357.54	4443.72	3759.5	153.0	3758.96	2.08	2016	3256	4261	1089
	7924	92.81	357.45	4442.25	3790.5	151.7	3789.90	0.68	1985	3287	4260	1090
	7988	92.65	357.60	4439.20	3854.3	148.9	3853.78	0.34	1921	3351	4257	1092
	8051	92.90	357.02	4436.15	3917.2	145.9	3916.65	1.00	1858	3414	4255	1095
	8146	93.15	357.74	4431.14	4012.0	141.6	4011.43	0.80	1763	3509	4252	1099
	8240	90.80	359.10	4427.90	4106	139	4105.34	2.89	1669	3602	4250	1101
	8304 8367	91.60	359.95	4426.56	4170	138	4169.32	1.82	1605	3666	4250	1102
	8462	91.45 90.99	0.89 0.72	4424.88	4233	139	4232.30	1.51	1542	3729	4251	1101
	8557	90.99	2.05	4422.86 4421.94	4328 4423	140 143	4327.26	0.52	1447	3824	4253	1099
	8651	92.59	2.77	4419.71	4423 4517	143	4422.22 4516.08	1.67 2.74	1352 1259	3919	4256	1096
	8746	90.22	1.74	4417.38	4612	150	4610.96	2.74	1164	4013 4108	4261 4266	1092 1088
	8809	88.36	1.09	4418.17	4674	152	4673.93	3.13	1104	4171	4268	1086
	8872	88.70	0.40	4419.78	4737	153	4736.90	1.22	1038	4234	4269	1085
	8967	89.54	359.90	4421.24	4832	153	4831.88	1.03	943	4329	4271	1084
	9062	90.03	359.91	4421.60	4927	153	4926.88	0.52	848	4424	4271	1084
	9157	90.80	358.94	4420.91	5022	152	5021.88	1.30	753	4519	4271	1085
	9252	90.15	359.11	4420.12	5117	150	5116.86	0.71	658	4614	4270	1086
	9346	90.37	358.76	4419.70	5211	148	5210.85	0.44	564	4708	4270	1087
	9441	91.26	359.30	4418.34	5306	147	5305.83	1.10	469	4803	4269	1089
	9536	91.91	0.57	4415.72	5401	147	5400.79	1.50	374	4898	4270	1088
	9579	92.20	-161.80	4414.53	5444	147	5443.77	1.68	331	4941	4270	1088

