

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 13-APR-15		F.R. # 10011149586		SERV. SUPV. TIMADAMS	
LEASE & WELL NAME PTASNIK #1-30-9-59 - API 05123412440000		LOCATION 30-9N-59W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Xtreme Coik #19		TYPE OF JOB Intermediate			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD
Cement Plug, Rubber, Top 7 in		Float Collar, Al Flap, 7 - 8rd		None		0	0
		Float Shoe 7 - 8rd					
		RB turbolator with seal, 7.0 x 8-1/2					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS
UltraFlush II		N/A		0	8.4	0	0
Premium Lite Cmt + adds		C0403815		283	12.5	1.94	10.64
50:50 (Poz:ClassG) + adds		C0403815		153	13.5	1.45	7.05
Drilling Mud		N/A		0	9.6	0	0
Available Mix Water 400 Bbl.		Available Displ. Fluid 1000 Bbl.		TOTAL		423.87	97.35
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
8.75	15	6369	6.366	7	23	CSG	6349
				TVD	GRADE	SHOE	FLOAT
				6162	N-80	6349	6263
				STAGE	0		
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
8.9	9.63	36	CSG	1649	1649	No packer	0
				TOP	BTM	SIZE	THREAD
				0	0	7	8RND
						TYPE	WGT.
						WATER BASED	9.6
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
246.5	BBLS	Drilling Mud	9.6	688	0	0	0
				MAX CSG PSI	Operator		MIX WATER
				5072	4000		Day tank
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1.5			
Mud Density In: 9.6 LBS/GAL				Mud Density Out: 9.6 LBS/GAL			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units: 4 BPM			
PV & YP Mud In: 14				PV & YP Mud Out: 14			
Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>							
Displacement And Mud Removal							
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.5 BBLS			
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visual			
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 52			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
Plugs							
Number of Attempts by BJ: 0				Competition: 0			
Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT			
				Bottom of Plug: 0 FT			
Squeezes (Update Original Treatment Report for Primary Job)							
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>	
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL	
Casing Test (Update Original Treatment Report for Primary Job)							
Casing Test Pressure: 1756 PSI				With 8.34 LBS/GAL Mud			
Time Held: 00 Hours 15 Minutes							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING Hit a tight spot with casing four joints off bottom.							

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Shoe Test (Update Original Treatment Report for Primary Job)

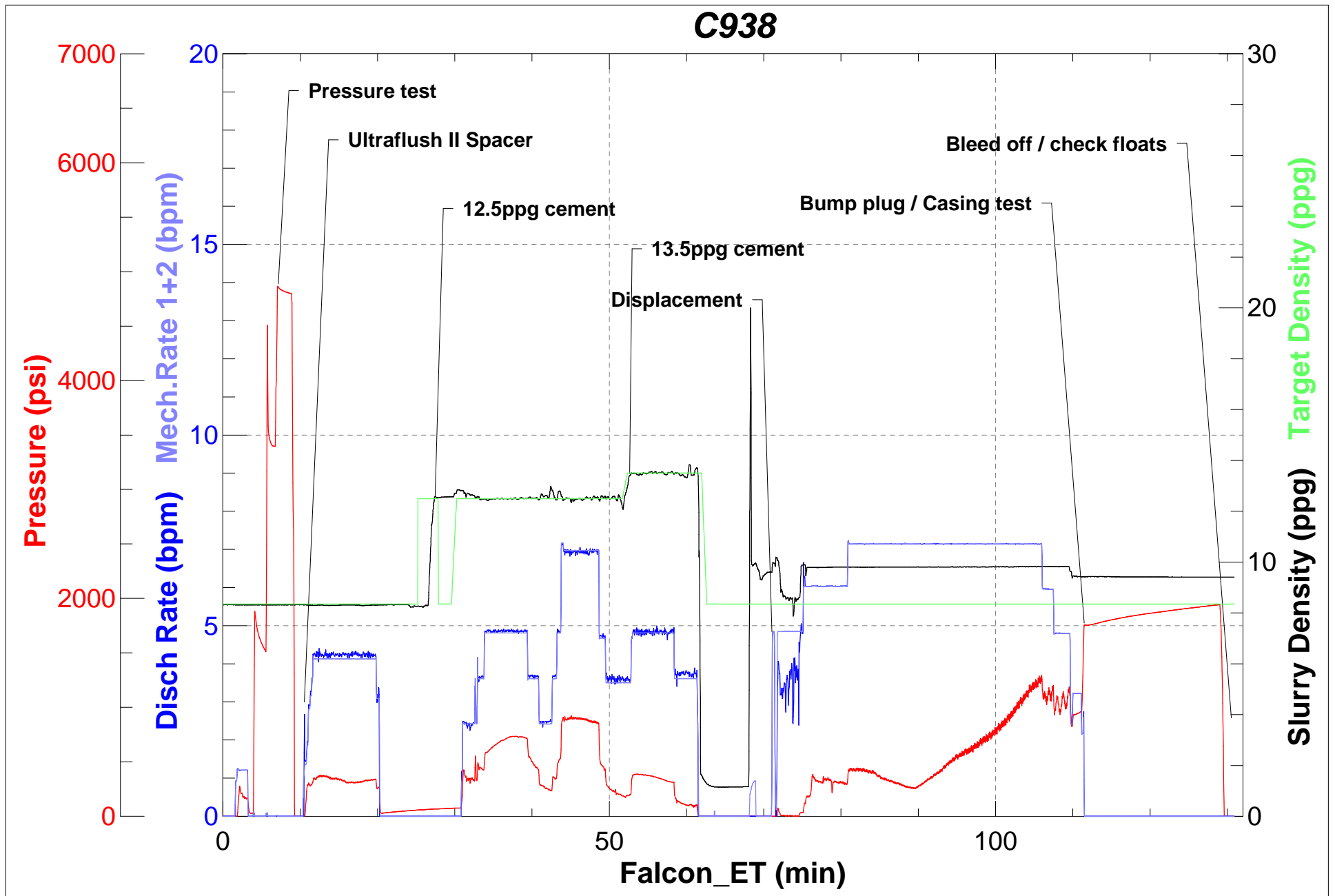
Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 None

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4866 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
10:00	0	0	0	0	NA	Yard call	
13:30	0	0	0	0	NA	Leave yard	
15:50	0	0	0	0	NA	Arrive on location (85 miles, rig running casing)	
17:20	0	0	0	0	NA	Spot trucks (Waited for caser to move out of the way before spotting)	
17:35	0	0	0	0	NA	Pre-rig up/job safety meeting	
18:50	280	0	1	2	H2O	Load lines	
18:53	4866	0	0	0	H2O	Pressure test	
19:00	367	0	4.2	40	H2O	Ultra flush II spacer	
19:14	0	0	0	0	CMT	Batch up lead cement	
19:20	712	0	4.9	97	CMT	Lead cement (283sx, 12.5ppg)	
19:41	385	0	4.8	40	CMT	Tail cement (153sx, 13.5ppg)	
19:50	0	0	0	0	NA	Shut down / wash pump / drop plug	
20:00	433	0	5	50	MUD	Displacement	
20:10	260	0	7.1	50	MUD	Update	
20:18	609	0	7.1	50	MUD	Update	
20:24	1147	0	7.1	50	MUD	Update	
20:32	1294	0	7.1	10	MUD	Update	
20:33	1190	0	6	10	MUD	Rate change	
20:35	1137	0	4.8	10	H2O	Rate change	
20:37	1123	0	3	16	H2O	Rate change	
20:41	1756	0	0	0	NA	Bump plug (246bbls total displacement)	
20:42	1756	0	0	0	H2O	Casing test (Pressure climbed to 1940psi)	
20:57	0	0	0	0	NA	Bleed off (1.5bbls back)	
21:00	0	0	0	0	NA	Rig down safety meeting / done	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1756	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 423	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:





CEMENTING LABORATORY REPORT
Lab Report # C04-038-15
Proposal #1001177928E

COMPANY : Carrizo Oil & Gas Inc			DATE:	April 12, 2015
WELL NAME: Ptasnik #1-30-9-59			LOCATION:	30-9N-59W
DISTRICT: Brighton			TYPE JOB:	Intermediate (Field Blend)
API #:	05-123-41244-0000	RIG #:	Xtreme Coil #19	TOC(md):
DEPTH MD/TVD(ft):	6365	6315. #	BHST(°F):	184 °F
CASING SIZE("/#):	7 in	23. #	BHCT(°F):	153 °F
TUBING SIZE("/#):			BHSqT(°F):	155 °F
HOLE SIZE("):	8 3/4 in		TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead (Field Blend): Premium Lite Cement + 6% Bentonite II + 0.3% FL-52 + 0.04% Static Free + 0.25 pps Cello Flake + 0.5 gals/100 sack FP-6L
#2	Tail (Field Blend): Class G:Poz:Bentonite II (50:50:3) + 0.3% SMS + 0.4% FL-52 + 0.04% Static Free + 0.5 gals/100 sack FP-6L
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			12.50	13.50	
Yield :cu.ft./sk.			1.94	1.45	
Mixing Water: gal/sk.			10.64	7.05	
Water Type:			Fresh	Fresh	
Testing Temperature :			149 °F	152 °F	
Thickening Time: hrs:mins.			2:51	2:42	
Free Water: mls.					
Fluid Loss:ml/30min					
Compressive Strength:					
	hrs.				
	hrs.				
Rheologies	RPM	80 °F		80 °F	
	300	44		80	
	200	38		70	
	100	33		58	
	60	28		50	
	30	26		45	
	6	22		40	
	3	19		30	
	600				
	PV	23		45	
	YP	24		41	
Gel Strength : #/100sq.ft.	10 sec.	20		31	
	10 min.	26		42	

REMARKS :	
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COMMENTS : The above data is supplied solely for informational purposes and Baker Hughes makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



FIELD RECEIPT NO. 10011149586

CUSTOMER CARRIZO OIL & GAS INC XML					CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040003338 - 0040139823-1		INVOICE NUMBER	
MAIL INVOICE TO : 500 DALLAS STREET, SUITE 2499					CITY Houston		STATE Texas		ZIP CODE 77063			
DATE WORK COMPLETED		MO. 04	DAY 13	YEAR 2015	BHI REPRESENTATIVE TIM ADAMS		WELL API NO: 05123412440000		WELL TYPE : New Well			
DISTRICT PP, BRIGHTON					JOB DEPTH(ft) 6,349		WELL CLASS : Oil					
WELL NAME AND NUMBER PTASNIK #1-30-9-59					TD WELL DEPTH(ft) 6,369		GAS USED ON JOB : No Gas					
WELL LOCATION : 30-9N-59W		LEGAL DESCRIPTION			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Intermediate			
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT		
100112	Calcium Chloride				lbs	150	1.290	193.50	73%	52.25		
100275	Sodium Metasilicate				lbs	39	4.100	159.90	73%	43.17		
100295	Cello Flake				lbs	71	5.100	362.10	73%	97.77		
100317	Poz (Fly Ash)				sacks	77	14.200	1,093.40	73%	295.22		
100404	Sodium Chloride				lbs	50	0.520	26.00	73%	7.02		
398117	Ultra Flush II System				bbbls	40	213.500	8,540.00	73%	2,305.80		
398224	Premium Lite Cement				sacks	283	27.650	7,824.95	73%	2,112.74		
488015	FL-52				lbs	126	26.900	3,389.40	73%	915.14		
488019	FP-6L				gals	5	104.250	521.25	73%	140.74		
488449	Bentonite II				lbs	1864	0.440	820.16	73%	221.44		
499632	Granulated Sugar				lbs	50	3.840	192.00	73%	51.84		
499680	Static Free				lbs	16	40.700	651.20	73%	175.82		
L100021-00	Class G Cement				sacks	77	31.800	2,448.60	73%	661.12		
	SUB-TOTAL FOR Product Material							26,222.46	73.00%	7,080.07		
ARRIVE LOCATION :		MO. 04	DAY 13	YEAR 2015	TIME 15:50	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.		
CUSTOMER REP. Jeff Myers									CUSTOMER AUTHORIZED AGENT X			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									BHI APPROVED X			
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PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
A152		Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00	
M100		Bulk Materials Blending Charge				cu ft	485	5.450	2,643.25	73%	713.68	
R798		Automatic Density System				job	1	1,990.000	1,990.00	73%	537.30	
		SUB-TOTAL FOR Service Charges							4,843.25	69.83%	1,460.98	
F065A		Cement Pumping, 6001 - 7000 ft				6hrs	1	8,300.000	8,300.00	73%	2,241.00	
F090		Fuel per pump charge - cement				pump/hr	6	70.250	421.50	0%	421.50	
H9985		Float Equipment (Charge 2 of 8)				ea	1	1,849.700	1,849.70	0%	1,849.70	
J050		Cement Head				job	1	830.000	830.00	73%	224.10	
J225		Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	73%	575.10	
J390		Mileage, Heavy Vehicle				miles	170	11.850	2,014.50	73%	543.92	
J391		Mileage, Auto, Pick-Up or Treating Van				miles	170	6.700	1,139.00	73%	307.53	
		SUB-TOTAL FOR Equipment							16,684.70	63.06%	6,162.85	
J401		Bulk Delivery, Dry Products				ton-mi	1693	3.940	6,670.42	73%	1,801.01	
		SUB-TOTAL FOR Freight/Delivery Charges							6,670.42	73.00%	1,801.01	
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PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
		FIELD ESTIMATE							54,420.83	69.67%	16,504.91	
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