

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

Operator: License # 30689Name: Marathon Oil CompanyAddress P.O. Box 2690City/State/Zip Cody, WY 82414-2690Purchaser: ---Operator Contact Person: R.P. MeabonPhone (307) 587-4961Contractor: Name: Gibson Well Service
Little R Well ServiceLicense: 5866
N/AWellsite Geologist: None

Designate Type of Completion

--- New Well --- Re-Entry X Workover

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

If Workover:

Operator: Marathon Oil CompanyWell Name: Rosenberg A #1Comp. Date 8/13/93 old Total Depth 5285'

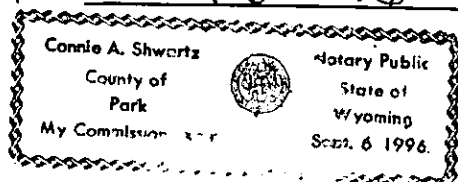
--- Deepening X Re-perf. X Conv. ---
--- Plug Back 5227' PBTD

--- Commingled --- Docket No. ------ Dual Completion --- Docket No. ---X Other (SWD or Inj) Inj? Docket No. E26-799Spud Date 5/12/83 Date Reached TD 5/21/83 Completion Date 6/2/83

8/13/93

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, 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 R.P. MeabonTitle Regulatory Coordinator Date Oct. 5, 1993Subscribed and sworn to before me this 5th day of October, 1993.Notary Public Connie A. SchwartzDate Commission Expires 9-6-1996

ORIGINAL

SIDE ONE

071-20293-0001

County Greeley
KCC SW SW SE SE - NW Sec. 12 Twp. 16S Rge. 43 X E

2310 Feet from X/N (circle one) Line of Section340 Feet from X/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Rosenberg A Well # 1Field Name StockholmProducing Formation MorrowElevation: Ground 3905' KB 3915'Total Depth 5285' PBTD 5227'Amount of Surface Pipe Set and Cemented at 503 FeetMultiple Stage Cementing Collar Used? --- Yes X NoIf yes, show depth set --- FeetIf Alternate II completion, cement circulated from 1800'and 1000' w/ total 430 sx cmt.
See Side TwoDrilling Fluid Management Plan REWORK JN 12-8-93
(Data must be collected from the Reserve Pit)Chloride content --- ppm Fluid volume --- bblsDewatering method used ---Location of fluid disposal if hauled offsite: ---Operator Name ---Lease Commission License No. ---Quarter --- Sec. --- Twp. --- S Rng. --- E/WCounty --- Docket No. ---

K.C.C. OFFICE USE ONLY

F --- Letter of Confidentiality Attached
C --- Wireline Log Received N/A
C --- Geologist Report Received

Distribution
✓ KCC 10/2/93 SWD/Rep --- NGPA
KGS --- Plug --- Other
(Specify)

Form ACO-1 (7-91)

Operator Name Marathon Oil CompanyLease Name Rosenberg AWell # 1Sec. 12 Twp. 16S Rge. 43☐ EastCounty 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) NAElectric Log Run ☐ Yes ☒ No)
(Submit Copy.)

List All E.Logs Run:

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Stone Corral	2750'	
Topeka	3901'	
Lansing	4228'	
Marmaton	4604'	
Morrow	5043'	
Mississippian	5206'	

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#	503'	Class 'H'	290	2% CaCl ₂ , 1/2# Flo-Seal
Production	7-7/8"	4-1/2"	11.6#	5285'	50-50 Poz	250	5% NaCl, 75% D-65, 2% KCl Wtr.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☒ Perforate				
☒ Protect Casing	1000-1800'	Light	150	No add.
☒ Plug Back TD				
☒ Plug Off Zone*	Surf.-1000'	Light	180	110 sx. Light, no add. 70 sx. Light, 3% CaCl ₂

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
	Sqz. holes @ 1800', RBP @ 5110', CR @ 1736'	See above	
	Sqz. holes @ 1000', RBP @ 5110', Pkr. @ 863'	See above	
	Additional squeeze at right	50 sx. Class 'H' w/ 3% CaCl ₂	
4	Reperforated 5130'-5146'	50 sx. Light, no add.	1800'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"		5097'	☐ Yes ☒ No
Date of First, Resumed Production, SWD or <u>Inj.</u>	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)			
Pending Approval				
Estimated Production Per 24 Hours	Oil N/A Bbls.	Gas N/A Mcf	Water N/A Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

* Calculated

4-OCT-93
13:02:19

MARATHON OIL COMPANY
HISTORY OF OIL OR GAS WELL
FROM:30-MAR-93 TO:03-OCT-93 FIELD:STOCKHOLM
WELL:ROSENBERG A #1

PAGE 1

AFE 0
FLUID SHOT

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OCT 12 1993
CONSERVATION DIVISION
WICHITA, KS

30-MAR-93 RU CABLE INC. SHOT FLUID LEVEL. 4969 FTF.

OPR PROP:STOCKHOLM UNIT

AFE 381193
CONVERSION

- 17-MAY-93 MI RU GIBSON WELL SERVICE. UNSEAT PUMP POOH AND LAY DOWN PUMP AND RODS. RELEASE TBG. ANCHOR AND START OUT OF HOLE W/ TBG. SHUT DOWN DUE TO LIGHTNING.
- 18-MAY-93 FINISH POOH W/ TBG. RU AND RIH W/ 3 7/8 BIT AND SCRAPER. TAGGED PBTD AT 5227. PRESSURE TESTED TBG. TO 800# AND IT HELD. POOH AND LAYED DOWN BIT AND SCRAPER. RU RIH W/ RBP AND PACKER. SET RBP AT 5150, POOH AND SET PACKER AT 5120. PRESSURE TEST RBP TO 800# AND IT HELD. LOADED CSG. AND PRESSURE TESTED TO 800# AND IT HELD. SDFD.
- 19-MAY-93 RIH AND RELEASE RBP. POOH AND LAY DOWN TBG. AND RBP. SDFD. RDMO.
- 07-AUG-93 MI RU LITTLE R WELL SERVICE. RIH W/ RBP AND PKR. SET RBP AT 5110 AND PKR AT 5077. PRESSURE TEST RBP TO 800# AND IT HELD. RELEASE PKR AND SPOT 2 SXS OF SAND ON RBP. POOH W/ PKR AND SDFD.
- 09-AUG-93 RU MERCURY WIRELINE AND SHOT SQUEEZE HOLES AT 1800 FT. RU HALCO AND WAS UNABLE TO BREAK CIRCULATION. SET INJECTION RATE AT 1/4 BPM AT 850#. RU RIH W/ CEMENT RETAINER AND SET AT 1736. RU HALCO AND PUMP 150 SXS OF HALCO LIGHT AT AN AVERAGE OF 1 1/4 BPM AT 800#. UNSTING FROM RETAINER AND POOH W/ TBG. RU MERCURY WIRELINE AND SHOOT SQUEEZE HOLES AT 1000 FT. RU HALCO AND BREAK CIRCULATION W/ 13 BBLs OF WATER. RIH W/ PKR AND SET AT 863. RU HALCO AND PUMP 110 SXS OF HALCO LIGHT AND 70 SXS OF HALCO LIGHT W/ 3% CC. FULL RETURNS WHILE CEMENTING. SI AND SDFN.
- 10-AUG-93 RU RIH AND AND TAG CEMENT AT 930 AND DRILLED OUT TO 1000 FT. PRESSURE TESTED CSG TO 800# AND IT HELD. RIH AND DRILLED OUT CEMENT RETAINER AND CEMENT TO 1800 FT. SQUEEZE LEAKED. SET INJECTION RATE AT 1 1/4 BPM AT 400#. SDFD
- 11-AUG-93 RU AND RIH W/ PKR AND SET AT 1600 FT. PRESSURE CSG TO 800#

4-OCT-93
13:02:19

MARATHON OIL COMPANY
HISTORY OF OIL OR GAS WELL
FROM:30-MAR-93 TO:03-OCT-93 FIELD:STOCKHOLM
WELL:ROSENBERG A #1

PAGE 2

AND IT HELD. RU HALCO AND SET AN INJECTION RATE AT 2 BPM
AT 600#. PDT W/ 50 SXS CLASS H CEMENT W/ 3% CC AND 50 SXS
HALCO LIGHT. STAGED CEMENT FOR 1 1/2 HRS BEFORE SQUEEZE
WOULD HOLD 1000#. SI AND SDFD.

12-AUG-93 RELEASE AND POOH W/ PKR. RU RIH W/ 3 7/8 DRILL BIT AND
TAGGED CEMENT AT 1690. DRILLED CEMENT TO 1800 AND PRESSURE
TEST CSG TO 800# AND IT HELD. POOH AND LAY DOWN BIT. RU
RIH W/ RBP CATCHER AND START SWABBING WELL DOWN. SDFD.

13-AUG-93 FINISH SWABBING DOWN. LATCHED ONTO RBP POOH. RU MERCURY
WIRELINE AND PERFED. (SEE TEMPLATE) RU RIH W/
1 - PENG0 PR-3 PKR - 7.10
1 - S.S.N. - 1.10
162 - JTS. 2 3/8 TBG - 5084.29
SET PKR AT 5097. RU LOADED CSG W/ ANHIB. PRESSURE TEST
CSG TO 800# AND IT LEAKED OFF TO 780 IN 15 MIN. SI & RD

PERF DATA

VENDOR MERCURY GUN SIZE 3 3/8 CHG SIZE(GM) 16.0
CHG TYPE JRC CORRELATION LOG USED 5-26-83

SEQ: 1 FORM:MORROW SUB: TOP DEP: 5130
BOT DEP: 5146 DEN SPF: 4 PHAS DEG: 90 TOT SHOTS: 64

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CONSERVATION DIVISION
WICHITA, KS

MARATHON OIL COMPANY

ORIGINAL

FIELD NAME StockholmWELL NAME Rosenberg A-1LOCATION 340' FWL, 2310' FNLSECTION 12 T 16S R 43WCOUNTY GreeleySTATE KansasSURFACE CASINGHole Size: 12-1/4"Casing: 8-5/8", 24#, K-55Casing Set @: 503'Cemented with 290 sxs.GLE 3,905'KBE 3,915'FORMATION TOPSStave Corral - 2750'Tapeka - 3901'Lansing - 4228'Marmaton - 4604'Morrow - 5043'Miss - 5206'WELL HISTORYSpud Date: 5/12/83Original Owner: TXOIP: 6/13/83BOPD: 136 BWPD: 0MCFD: GOR: Completion Treatment: NoneCURRENT DATAPumping Unit: 228Tubing: 2-3/8"Pump Size: Rod String: Remarks: DST: 5,144'-5,176'5/84: Treated perforations
with 1500 gals. of
p-121 solvent.6/84: Reperforated 5,130'
5,146' with 2 SPF.8/93 Cement squeezed
casing to isolate
Dakota. Reper'd
Morrow 5130'-46'.
Raw injection equipment.CEMENT TOP 4,023' (CAL)PERFORATIONSMorrow: 5,130'-5,146' (2 SPF)Additional 5130'-5146' w/4 SPFPBTD 5229'PRODUCTION CASINGHole Size: 7-7/8"Casing: 4-1/2", 11.6#, K-55Casing Set @: 5,285'Cemented with 250 sxs.Cementing sleeve at 2,813'.RECEIVED
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CONSERVATION DIVISION
WICHITA, KS

5,285' T.D.



JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

15-071-20293-0001

BILLED ON
TICKET NO.

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Greene STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-9-93</u>	DATE <u>8-9-93</u>	DATE <u>8-9-93</u>	DATE <u>8-9-93</u>
TIME <u>05:00</u>	TIME <u>08:30</u>	TIME <u>09:30</u>	TIME <u>13:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Paul Dan Buskirk</u>	<u>55009</u>	<u>40079</u>
<u>White Miller</u>	<u>D9309</u>	<u>3581</u>
<u>Gale Kinsinger</u>	<u>F4550</u>	<u>4037</u>

DEPARTMENT Cement
DESCRIPTION OF JOB Squeeze 4 1/2 CSY 1800JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBG/ANN. ☐CUSTOMER REPRESENTATIVE XHALLIBURTON OPERATOR Paul Dan Buskirk COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>11C</u>	<u>2</u>		<u>1.54</u>	<u>13.6</u>
	<u>100</u>	<u>11C</u>	<u>2</u>		<u>1.54</u>	<u>13.6</u>
	<u>80</u>	<u>11C</u>	<u>2</u>	<u>30% CC</u>	<u>1.54</u>	<u>13.6</u>

PRESSURES IN PSI

SUMMARY

CIRCULATING _____ DISPLACEMENT _____ PRESURUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 6 1/2 4.4SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 44.49

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____

AVERAGE RATES IN BPM

REMARKS

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

CUSTOMER

JOB LOG FORM 2013 R-3

 DATE **3.9.93** PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
MAPATHON		A-1		Roseburg		Square		507989	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBG) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
								called out	
								ON LOC	
								Hours PRC Job meeting	
								Perfs 1500 FT CMT Retain 1731	
								LOAD CSG	
	9:32		34 1/2					CSG Loaded	
	09:43	2				850	850	INJECTION	
								SET RETAINED	
	10:37	1 1/2				800		INJECTION R	
	10:52	1 1/2				800		Pump CMT	
	11:17	1 1/4	41			800		CMT in	
	11:17	1 1/4	0			750		START Disp	
	11:26	1 1/4	6 1/2			700		Disp in	
								Perfs 1000 FT PRC 861 FT	
								CLOSE RINGS	
	12:31	4	10			300		INJECTION	
	12:32	4	4					W/O PRC	
	12:50	4	27.4			400	400	Pump CMT	
	12:57	4	22			400		Pump 3 1/2 CC	
	13:01	4				400		START DIS	
	13:03	4	4 1/2			400		Disp in	
								THANKS FOR JOB	

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CONSERVATION DIVISION
 WICHITA, KS

CUSTOMER

JOB SUMMARY

 HALLIBURTON DIVISION
 HALLIBURTON LOCATION

 276
 LAMAR

507775

 FIELD _____ SEC. 12 TWP. 16 RNG. 43 COUNTY GLENN STATE KS

 FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	1		2 1/2	1-13	7-10	
LINER						
TUBING			2 3/8	1-13	1586	
OPEN HOLE						SHOTS/FT.
PERFORATIONS				1500		
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
8-11	7:50	8-11	10:00	8-11	10:15	8-11	13:30

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
KLICER	371159	Lamar
Miller	3581	11
WABUS KICK	11149	11

MATERIALS		
TREAT. FLUID	DENSITY	LB./GAL. °API
DISPL. FLUID	DENSITY	LB./GAL. °API
PROP. TYPE	SIZE	LB.
PROP. TYPE	SIZE	LB.
ACID TYPE	GAL.	%
ACID TYPE	GAL.	%
ACID TYPE	GAL.	%
SURFACTANT TYPE	GAL.	IN
NE AGENT TYPE	GAL.	IN
FLUID LOSS ADD. TYPE	GAL.-LB.	IN
GELLING AGENT TYPE	GAL.-LB.	IN
FRIC. RED. AGENT TYPE	GAL.-LB.	IN
BREAKER TYPE	GAL.-LB.	IN
BLOCKING AGENT TYPE	GAL.-LB.	
PERFPAC BALLS TYPE	QTY.	
OTHER		
OTHER		

 DEPARTMENT GLT
 DESCRIPTION OF JOB 59
 JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TBG./ANN. ☐
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR Don Kieren COPIES REQUESTED _____

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED
1	75	HLC		B

CEMENT DATA

ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	1.54	13.6

 PRESSURES IN PSI
 CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

SUMMARY

 PRESURSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 7
 CEMENT SLURRY: BBL.-GAL. 20.5
 TOTAL VOLUME: BBL.-GAL. _____

RAMARKS

 CUSTOMER WILLIAMS
 LEASE WILLIAMS
 WELL NO. A-1
 JOB TYPE 59
 DATE 8-11-93

ORIGINAL

 DATE 5-11 PAGE NO.

JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
<u>Mudcat</u>		<u>A-1</u>		<u>Nosea Ben</u>		<u>59</u>		<u>307975</u>	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C		PRESSURE (PSI) TUBING CASING		DESCRIPTION OF OPERATION AND MATERIALS	
	0500							called out	
	1000							Hea on loc	
	1000							on loc 184	
								3581	
	1030							Safety meet	
	1035	1.5	4			250		Inj Rate	
	1043							5+ mix	
	1100	1.5	20			250		fin mix	
								1200th Dumps + 2.1105	
	1107					0		5+ mix	
	1125		7			1000		5+ mix	
								5+ mix	
	1310		2.5			1000		Fin mix	

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CUSTOMER