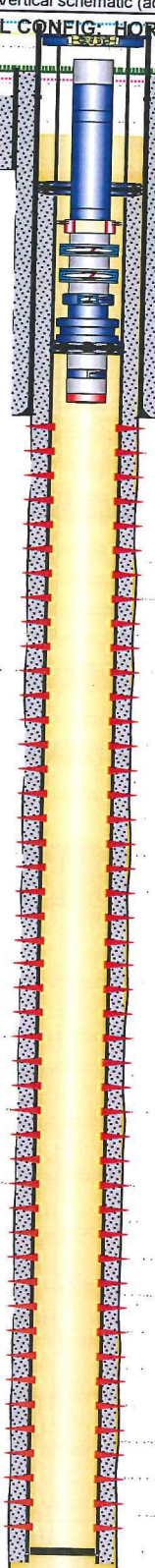
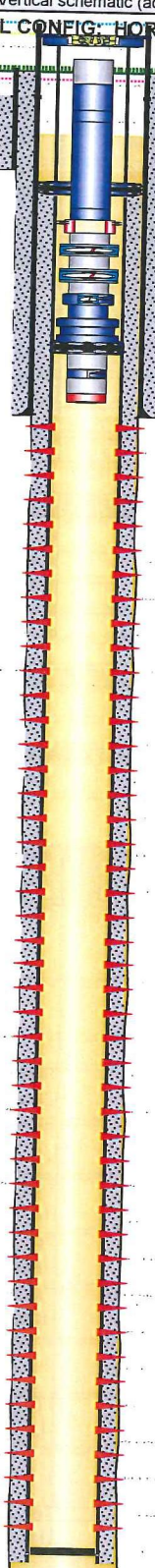


Current Schematic

COPRC MIRROR LAKE P-20 65-00 126-45

HORIZONTAL - Original Hole, 4/28/2014 1:23:24 PM

MD (mKB)	Incl (°)	Vertical schematic (actual)	Jts	Item Des	OD Nominal (mm)	Nominal ID (mm)	Wt (kg/m)	Grade	Make	Model	Len (m)	Top (mKB)
4.3	0.5		1	Gauge Carrier	90.7	50.7					1.56	2,010.26
5.5	0.5		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	2.47	2,011.82
16.4	0.5		1	47.63mm X Profile Nipple	77.7	47.6					0.29	2,014.29
256.0	0.2		1	Tubing	60.3	50.7	6.994	J-55		T&C Upset	9.61	2,014.58
1,728.9	1.6		1	Extended no-jay NFT on/ off tool	95.3	50.7					1.11	2,024.19
2,002.5	53.0		Tubing Description		Run Date		Pull Date		String Length (m)		Set Depth (mKB)	
2,010.3	55.7		Tubing - Production		3/12/2014				5.10		2,030.23	
2,014.6	57.2		Comment									
2,025.3	60.9		- 60.3mm PPMP Pump out plug (Dressed for 21.0MPa differential)									
2,028.5	62.5		- 60.3mm J-55 6.99 kg/m EUE Pup Jt - 0.65m (2')									
2,152.0	89.0		- 47.63mm XN - No-Go Profile Nipple. 45.49mm No-Go.									
2,264.0	88.3		- 60.3mm J-55 6.99 kg/m EUE Pup Jt - 2.46m (8')									
2,285.0	89.3		- WDH 114mm WL Set Packer Retrievable Double Grip Packer. 69.0MPa. O.D = 95.3mm (3.771")									
2,322.0	90.0		- 47.63mm Extended Slick Joint									
2,343.0	90.4		Jts	Item Des	OD Nominal (mm)	Nominal ID (mm)	Wt (kg/m)	Grade	Make	Model	Len (m)	Top (mKB)
2,381.0	90.6		1	Slick Joint c/w 47.63mm x profile	60.3	47.6	6.994	J-55		T&C Upset	0.17	2,025.12
2,401.0	89.4		1	Weatherford WDH double grip packer (69MPa rated)	114.3	50.7			Weatherford WDH114 WL	T&C Upset	1.38	2,026.50
2,439.0	89.6		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	2.46	2,026.68
2,459.0	89.1		1	XN no-go profile nipple 45.49mm no go	60.3	45.5		L-80		T&C Upset	0.32	2,029.14
2,497.0	88.2		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	0.65	2,029.46
2,517.0	87.8		1	PPMP Pump out plug	60.3	50.7		L-80		T&C Upset	0.12	2,030.11
2,555.0	88.1		PERFORATIONS									
2,576.0	88.5		Date	Top (mKB)	Btm (mKB)	Zone	Type	Current Status				
2,613.0	89.7		3/10/2014	2,245.00	2,246.00	CANOL, Orig...	Perforated	Open - Flowing				
2,634.0	89.8		3/10/2014	2,264.00	2,265.00	CANOL, Orig...	Perforated	Open - Flowing				
2,672.0	89.7		3/10/2014	2,284.00	2,285.00	CANOL, Orig...	Perforated	Open - Flowing				
2,692.0	89.6		3/10/2014	2,303.00	2,304.00	CANOL, Orig...	Perforated	Open - Flowing				
2,730.0	89.0		3/10/2014	2,322.00	2,323.00	CANOL, Orig...	Perforated	Open - Flowing				
2,750.0	89.0		3/10/2014	2,342.00	2,343.00	CANOL, Orig...	Perforated	Open - Flowing				
2,788.0	89.3		3/10/2014	2,361.00	2,362.00	CANOL, Orig...	Perforated	Open - Flowing				
2,808.0	89.5		3/10/2014	2,381.00	2,382.00	CANOL, Orig...	Perforated	Open - Flowing				
2,846.0	89.9		3/10/2014	2,400.00	2,401.00	CANOL, Orig...	Perforated	Open - Flowing				
2,867.0	89.3		3/10/2014	2,419.00	2,420.00	CANOL, Orig...	Perforated	Open - Flowing				
2,904.0	89.1		3/10/2014	2,439.00	2,440.00	CANOL, Orig...	Perforated	Open - Flowing				
2,925.0	89.1		3/10/2014	2,458.00	2,459.00	CANOL, Orig...	Perforated	Open - Flowing				
2,962.0	89.5		3/10/2014	2,478.00	2,479.00	CANOL, Orig...	Perforated	Open - Flowing				
2,983.0	89.6		3/10/2014	2,497.00	2,498.00	CANOL, Orig...	Perforated	Open - Flowing				
3,021.0	89.8		3/10/2014	2,516.00	2,517.00	CANOL, Orig...	Perforated	Open - Flowing				
3,041.0	89.8		3/9/2014	2,536.00	2,537.00	CANOL, Orig...	Perforated	Open - Flowing				
3,079.0	89.9		3/9/2014	2,555.00	2,556.00	CANOL, Orig...	Perforated	Open - Flowing				
3,099.0	89.9		3/9/2014	2,575.00	2,576.00	CANOL, Orig...	Perforated	Open - Flowing				
3,126.0	89.9		3/9/2014	2,594.00	2,595.00	CANOL, Orig...	Perforated	Open - Flowing				

Current Schematic

COPRC MIRROR LAKE P-20 65-00 126-45

HORIZONTAL - Original Hole, 4/28/2014 1:23:25 PM

PERFORATIONS

MD (mKB)	Incl (°)	Date	Top (mKB)	Botm (mKB)	Zone	Type	Current Status
4.3	0.5	3/9/2014	2,613.00	2,614.00	CANOL, Orig...	Perforated	Open - Flowing
5.5	0.5	3/9/2014	2,633.00	2,634.00	CANOL, Orig...	Perforated	Open - Flowing
16.4	0.5	3/9/2014	2,652.00	2,653.00	CANOL, Orig...	Perforated	Open - Flowing
256.0	0.2	3/9/2014	2,672.00	2,673.00	CANOL, Orig...	Perforated	Open - Flowing
1,728.5	1.6	3/9/2014	2,691.00	2,692.00	CANOL, Orig...	Perforated	Open - Flowing
2,002.5	53.0	3/9/2014	2,710.00	2,711.00	CANOL, Orig...	Perforated	Open - Flowing
2,010.3	55.7	3/9/2014	2,730.00	2,731.00	CANOL, Orig...	Perforated	Open - Flowing
2,014.6	57.2	3/8/2014	2,749.00	2,750.00	CANOL, Orig...	Perforated	Open - Flowing
2,025.3	60.9	3/8/2014	2,769.00	2,770.00	CANOL, Orig...	Perforated	Open - Flowing
2,029.5	62.5	3/8/2014	2,788.00	2,789.00	CANOL, Orig...	Perforated	Open - Flowing
2,152.0	89.0	3/8/2014	2,807.00	2,808.00	CANOL, Orig...	Perforated	Open - Flowing
2,264.0	88.3	3/8/2014	2,827.00	2,828.00	CANOL, Orig...	Perforated	Open - Flowing
2,285.0	89.3	3/8/2014	2,846.00	2,847.00	CANOL, Orig...	Perforated	Open - Flowing
2,322.0	90.0	3/8/2014	2,866.00	2,867.00	CANOL, Orig...	Perforated	Open - Flowing
2,343.0	90.4	3/8/2014	2,885.00	2,886.00	CANOL, Orig...	Perforated	Open - Flowing
2,401.0	89.4	3/8/2014	2,904.00	2,905.00	CANOL, Orig...	Perforated	Open - Flowing
2,439.0	89.6	3/7/2014	2,924.00	2,925.00	CANOL, Orig...	Perforated	Open - Flowing
2,459.0	89.1	3/7/2014	2,943.00	2,944.00	CANOL, Orig...	Perforated	Open - Flowing
2,497.0	88.2	3/7/2014	2,962.00	2,963.00	CANOL, Orig...	Perforated	Open - Flowing
2,517.0	87.8	3/7/2014	2,982.00	2,983.00	CANOL, Orig...	Perforated	Open - Flowing
2,555.0	88.1	3/7/2014	3,001.00	3,002.00	CANOL, Orig...	Perforated	Open - Flowing
2,576.0	88.5	3/7/2014	3,021.00	3,022.00	CANOL, Orig...	Perforated	Open - Flowing
2,613.0	89.7	3/4/2014	3,040.00	3,041.00	CANOL, Orig...	Perforated	Open - Flowing
2,634.0	89.8	3/4/2014	3,059.00	3,060.00	CANOL, Orig...	Perforated	Open - Flowing
2,672.0	89.7	3/4/2014	3,079.00	3,080.00	CANOL, Orig...	Perforated	Open - Flowing
2,692.0	89.6	3/4/2014	3,098.00	3,099.00	CANOL, Orig...	Perforated	Open - Flowing
2,730.0	89.0	3/4/2014	3,118.00	3,119.00	CANOL, Orig...	Perforated	Open - Flowing
2,750.0	89.0						
2,788.0	89.3						
2,808.0	89.5						
2,846.0	89.9						
2,867.0	89.3						
2,904.0	89.1						
2,925.0	89.1						
2,962.0	89.5						
2,983.0	89.6						
3,041.0	89.8						
3,079.0	89.9						
3,099.0	89.9						
3,129.6	89.9						

STIMULATION & TREATMENTS

Date	Zone	Type	Proppant Design (kg)	Proppant Frm (kg)
3/10/2014	CANOL, Original Hole		100,000.0	108,526.0
3/10/2014	CANOL, Original Hole	X-Link	100,000.0	102,853.0
3/10/2014	CANOL, Original Hole	X-Link	100,000.0	106,505.0
3/10/2014	CANOL, Original Hole	X-Link	100,000.0	106,992.0
3/9/2014	CANOL, Original Hole	X-Link	100,000.0	104,701.0
3/9/2014	CANOL, Original Hole	X-Link	100,000.0	113,824.0
3/8/2014	CANOL, Original Hole	X-Link	100,000.0	107,699.0
3/8/2014	CANOL, Original Hole	X-Link	100,000.0	100,000.0
3/7/2014	CANOL, Original Hole	X-Link	100,000.0	101,046.0
3/7/2014	CANOL, Original Hole	X-Link	100,000.0	92,100.0
3/6/2014	CANOL, Original Hole	X-Link	100,000.0	7,840.0

OTHER STRINGS

String Description	Run Date	Pull Date	String Length (m)	Set Depth (mKB)
--------------------	----------	-----------	-------------------	-----------------

Comment

Jts	Item Des	OD (mm)	ID (mm)	Wt (kg/m)	Make	Model	Len (m)	Top (mKB)
-----	----------	---------	---------	-----------	------	-------	---------	-----------

Current Schematic

COPRC MIRROR LAKE P-20 65-00 126-45

HORIZONTAL - Original Hole, 4/28/2014 1:23:25 PM

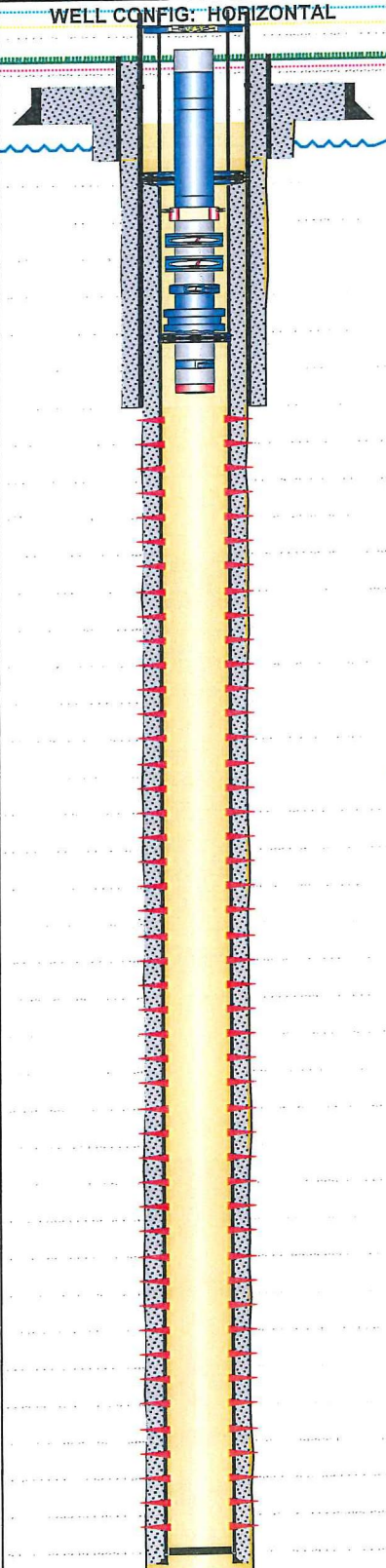
MD (mKB)	Incl (°)	Vertical schematic (actual)	OTHER IN HOLE			
			Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
			2/21/2014	Barrier - Packer	1,727.49	1,728.60
			OD (mm)	ID (mm)	Make	Model
			153.7	120.7	Weatherford	'NTD' Liner Top Packer
4.3	0.5		Comment Rig up Hallmark power tongs, make up 1-114.3mm float shoe, 1-joint of 114.3mm, 17.26kg/m, P-110, LTC production liner and 1-114.3mm float collar and then run 100-joints of 114.3mm, 17.26kg/m, P-110, LTC production liner from 3148.70m to 1727.49m. Run 101 x Volant Hydroform centralizers from 1729m to 3148m, fill every 20 joints and break circulation every 600m, tag bottom at 3152mMD, circulate bottoms up and clean hole, rig up cementers, cement liner at 3148.70mMD up to liner top, drop dart and displace with fresh water, bump plug 3,500kPA over final circulating pressure, bleed off, check floats, pressure up to 28,000kPA and set liner with liner top packer at 1727.49, circulate out pre-flush and 2m3 of excess cement out, displace hole with fresh water, rig out cementers, flowcheck, rig up laydown truck, laydown drill pipe and heavy weight drill pipe, run in the rest of the drill pipe in the derrick, laydown drill pipe, rig up and run USIT log and pressure pass USIT log, rig up power tongs, run 114.3mm tie-back liner, space out, land liner hanger seal assembly with 19,000dan compression and tie into top of liner top packer, remove landing joint, pressure test packoff seal assembly, pressure test 114.3mm x 177.8mm annulus to 15,000kPA with Schlumberger cementers.			
5.5	0.5		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
16.4	0.5		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.58
256.0	0.2		OD (mm)	ID (mm)	Make	Model
1,728.8	1.6		31.8		Weatherford	SN 8954 (Top gauge)
2,002.5	53.0		Comment Weatherford 10,000PSI Secondary Memory Gauge Primary gauge SN# 8954 Approximate Start Time programmed to tool - 03/14/14 - 11:56:43 a.m. Calibration Date - 03/03/14 Battery - M22091 - Load 3.43 Start: 12:00 P.M 3/14/14			
2,010.3	55.7		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
2,014.6	57.2		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
2,025.3	60.9		OD (mm)	ID (mm)	Make	Model
2,029.5	62.5		31.8		Weatherford	SN 8955 (bottom gauge)
2,152.0	89.0		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
2,264.0	88.3		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
2,285.0	89.3		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
2,322.0	90.0		OD (mm)	ID (mm)	Make	Model
2,343.0	90.4		31.8		Weatherford	SN 8955 (bottom gauge)
2,381.0	90.6		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
2,401.0	89.4		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
2,459.0	89.6		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
2,459.0	89.1		OD (mm)	ID (mm)	Make	Model
2,497.0	88.2		31.8		Weatherford	SN 8955 (bottom gauge)
2,517.0	87.8		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
2,555.0	88.1		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
2,576.0	88.5		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
2,613.0	89.7		OD (mm)	ID (mm)	Make	Model
2,634.0	89.8		31.8		Weatherford	SN 8955 (bottom gauge)
2,672.0	89.7		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
2,692.0	89.6		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
2,730.0	89.0		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
2,750.0	89.0		OD (mm)	ID (mm)	Make	Model
2,788.0	89.3		31.8		Weatherford	SN 8955 (bottom gauge)
2,806.0	89.5		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
2,846.0	89.9		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
2,867.0	89.3		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
2,904.0	89.1		OD (mm)	ID (mm)	Make	Model
2,925.0	89.1		31.8		Weatherford	SN 8955 (bottom gauge)
2,962.0	89.5		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
2,983.0	89.6		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
3,021.0	89.8		3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
3,041.0	89.8		OD (mm)	ID (mm)	Make	Model
3,079.0	89.9		31.8		Weatherford	SN 8955 (bottom gauge)
3,099.0	89.9		Comment Weatherford 10,000PSI Primary Memory Gauge Primary gauge SN# 8955 Approximate Start Time programmed to tool - 03/14/14 - 11:52:10 a.m. Calibration Date - 03/03/14 Battery - M22090 - Load 3.45 Start: 12:00 P.M 3/14/14			
3,129.6	89.9		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
			3/16/2014	Pressure / Temperatur...	2,014.29	2,014.59
			OD (mm)	ID (mm)	Make	Model
			31.8		Weatherford	SN 8955 (bottom gauge)

XVI Completions End of Job QC Summary

End Of Job QC Summary

COPRC MIRROR LAKE P-20 65-00 126-45

Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	API / UWI 200/D-020/L094P1699	License No. EL 470
Original KB/RT Elevation (m) 289.35	Ground Elevation (m) 284.15	KB-Ground Distance (m) 5.20	KB-Casing Flange Distance (m) 5.40	KB-Tubing Hanger Distance (m) 4.10

HORIZONTAL - Original Hole, 4/11/2014 6:00:00 AM			JOB INFORMATION			
MD (mKB)	Incl (°)	Vertical schematic (actual) WELL CONFIG: HORIZONTAL 	Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00
			Final Report? Yes	Final Job Status GAS	Responsible Grp 1 coved	Responsible Grp 2 lagartn
			AFE / RFE / Maint.# 10351862;10359334	AFE+Supp Amt (Cost) 18,803,600.00	Total Field Estimate (Cost) 20,251,383.86	AFE-Field Estimate (Cost) -1,447,783.86
			TIME LOG SUMMARY SUMMARIZED BY P-N-T			
			Time P-T-X	Dur (hr)	% Total Time (%)	
4.3	0.5		P	1,043.00	95.64	
5.5	0.5		T	33.50	3.07	
16.4	0.5			14.00	1.28	
258.0	0.2		RIG INFORMATION			
1,728.6	1.6		<contractor>, <rigno>		Rig Release Date	
2,002.5	53.0		Rig Accept Date			
2,010.3	55.7		CASING STRINGS			
2,014.6	57.2		Csg Des	OD (mm)	Wt/Len (kg/m)	Grade
2,025.3	60.9		Conductor	508.0	197.926	K-55
2,029.5	62.5		Surface	244.5	53.574	J-55
2,152.0	89.0		Intermediate	177.8	38.692	P-110
2,264.0	88.3		Production	114.3	17.263	P-110
2,285.0	89.3		CURRENT PBTD			
2,322.0	90.0		Date	Type	Depth (mKB)	
2,343.0	90.4		3/6/2014 15:00	Float Collar	3,129.60	
2,381.0	90.6		SCVF (SURFACE CASING VENT FLOW)			
2,410.0	89.4		Date	Typ	Detection	
2,435.0	89.6		3/2/2014 18:00	SCVF	No	
2,450.0	89.1		3/14/2014 19:15	SCVF	No	
2,450.0	89.1		PERFORATIONS			
2,497.0	88.2		Date	Top (mKB)	Btn (mKB)	Zone
2,517.0	87.8		3/10/2014	2,245.00	2,246.00	CANOL, Origina...
2,555.0	88.1		3/10/2014	2,264.00	2,265.00	CANOL, Origina...
2,578.0	88.5		3/10/2014	2,284.00	2,285.00	CANOL, Origina...
2,613.0	89.7		3/10/2014	2,303.00	2,304.00	CANOL, Origina...
2,634.0	89.8		3/10/2014	2,322.00	2,323.00	CANOL, Origina...
2,672.0	89.7		3/10/2014	2,342.00	2,343.00	CANOL, Origina...
2,692.0	89.6		3/10/2014	2,361.00	2,362.00	CANOL, Origina...
2,730.0	89.0		3/10/2014	2,381.00	2,382.00	CANOL, Origina...
2,750.0	89.0		3/10/2014	2,400.00	2,401.00	CANOL, Origina...
2,768.0	89.3		3/10/2014	2,419.00	2,420.00	CANOL, Origina...
2,808.0	89.5		3/10/2014	2,439.00	2,440.00	CANOL, Origina...
2,846.0	89.9		3/10/2014	2,458.00	2,459.00	CANOL, Origina...
2,867.0	89.3		3/10/2014	2,478.00	2,479.00	CANOL, Origina...
2,908.0	89.5		3/10/2014	2,497.00	2,498.00	CANOL, Origina...
2,946.0	89.9		3/10/2014	2,516.00	2,517.00	CANOL, Origina...
2,967.0	89.3		3/9/2014	2,536.00	2,537.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,555.00	2,556.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,575.00	2,576.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,594.00	2,595.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,613.00	2,614.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,633.00	2,634.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,652.00	2,653.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,672.00	2,673.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,691.00	2,692.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,710.00	2,711.00	CANOL, Origina...
2,987.0	89.3		3/9/2014	2,730.00	2,731.00	CANOL, Origina...
2,987.0	89.3		3/8/2014	2,749.00	2,750.00	CANOL, Origina...
2,987.0	89.3					