

## COPRC Dodo Canyon E-76

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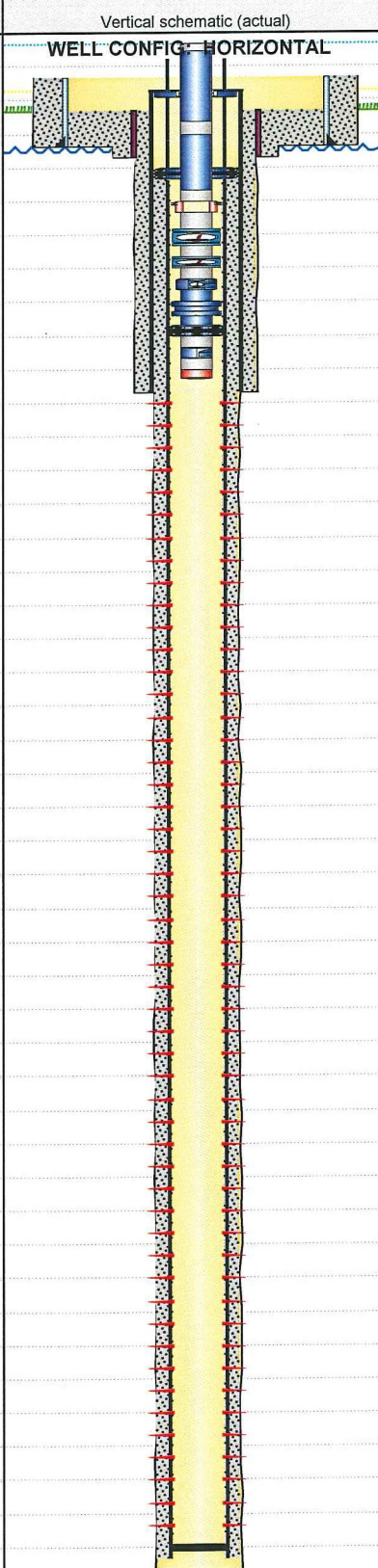
### **XV     Final Completions Schematic**

# Daily Schematic

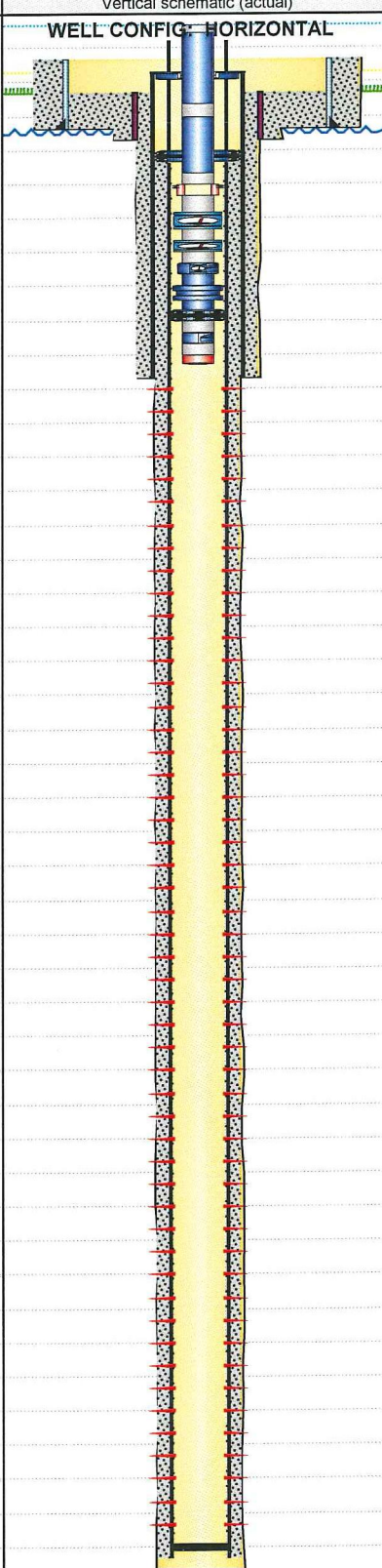
## COPRC DODO CANYON E-76 65-10 126-45

as of 3/28/2014

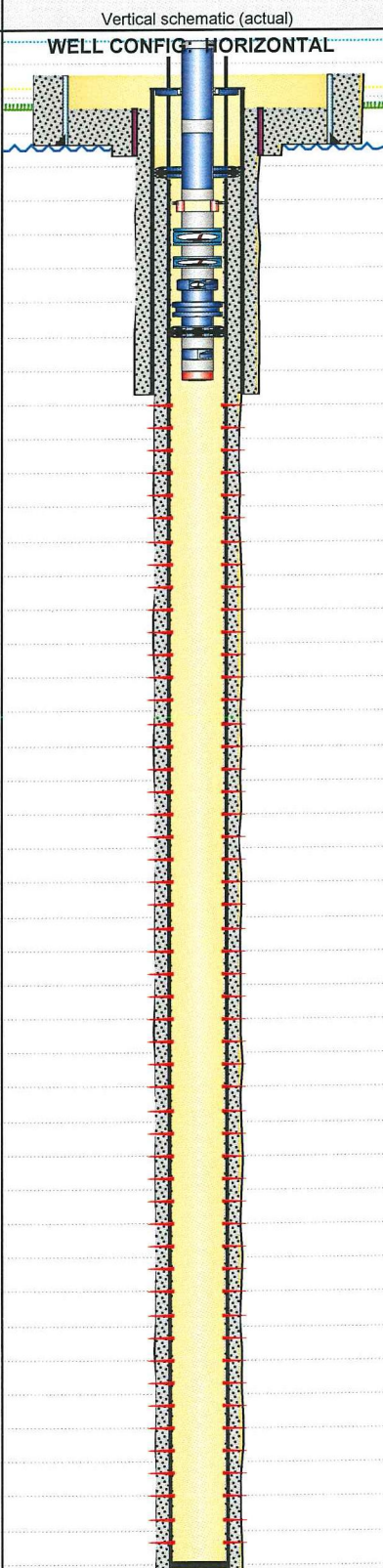
Daily Report # 63

Country CANADA		State/Province N.W.T.		Region / Division WCBU		District NEW VENTURES		Field Name Canyon		Field Code															
Surface Legal Location E-76 65-10 126-45				API / UWI 300E7665-10126-45				License No. EL 470																	
Orig KB/RT (m) 273.40		Ground Elevation (m) 268.20		KB-Ground Distance (m) 5.20		KB-CF (m) 5.40		KB-TF (m) 4.22		Total Depth (mKB) 2,910.00															
HORIZONTAL - Original Hole, 3/28/2014 6:00:00 PM				Report Start Date 3/28/2014 07:30			Report End Date 3/28/2014 18:00			Primary Wellbore Affected Original Hole															
<div>MD (mKB) ( )</div> <div>Incl (°)</div> <div>Vertical schematic (actual)</div> <div>WELL CONFIG: HORIZONTAL</div> 				WELLHEADS																					
				Type Csg Bowl						Install Date 1/4/2014															
				Des		Make		Model		WP (kPa)		Top Ring Gasket		Bore Min (mm)											
3.3				0.4		Casing Bowl		STREAM FLO...		CC-22		34,500		RX-54		215.0									
4.4				0.4		Upper Spool		STREAM FLO...		FBD100		34,500		RX-54		215.0									
15.9				0.4		Type Top Section						Install Date 2/28/2014													
1,477.3				4.2		Des		Make		Model		WP (kPa)		Top Ring Gasket		Bore Min (mm)									
1,773.6				53.9		Top Wellhead Cap		Stream Flo		BX152 x 60.3...		69,000				52.4									
1,777.6				55.2		Flow Block		Stream Flo		BX152 x 4 sides		69,000		BX152		52.4									
1,783.7				56.6		Wing Valve (Right)		Stream Flo		Gate		69,000		BX152		52.4									
1,786.1				60.0		Wing Valve (Right) Companion Fl...		Stream Flo		BX152 x 12.7...		69,000		BX152		12.7									
1,788.8				60.8		Wing Valve (Left)		Stream Flo		Gate		69,000		BX152		52.4									
1,802.3				61.8		Wing Valve (Left) Companion Fla...		Stream Flo		BX152 x 12.7...		69,000		BX152		12.7									
1,958.0				89.9		Top Master Valve		Stream Flo		Gate		69,000		BX152		52.4									
2,018.0				88.4		Bottom Master Valve		Stream Flo		Gate		69,000		BX152		52.4									
2,059.0				88.3		Adapter Spool		Stream Flo		BX156 x BX152		69,000		BX152		52.4									
2,076.0				86.5		Tubing Head Spool		Stream Flo		279mm R-54 x...		69,000		BX156		104.6									
2,113.0				85.6		Casing valve (Right)		Stream Flo		Gate		69,000		BX152		52.4									
2,133.0				85.7		Casing Valve (Right) Companion...		Stream Flo		BX152 x 12.7...		69,000		BX152		12.7									
2,170.0				85.9		Casing valve (Left)		Stream Flo		Gate		69,000		BX152		52.4									
2,190.0				86.1		Casing Valve (Left) Companion F...		Stream Flo		BX152 x 12.7...		69,000		BX152		12.7									
2,227.0				87.3		Intermediate Spool		Stream Flo		279mm R-54 x...		34,500		R-54		274.4									
2,247.0				87.9		Intermediate Casing Valve (Right)		Stream Flo		Gate		34,500		R-24		52.4									
2,285.0				88.9		Intermediate Casing Valve (Left)		Stream Flo		Gate		34,500		R-24		52.4									
2,305.0				89.3		CASING STRINGS																			
						Csg Des		OD (mm)		Wt/Len (kg/m)		Grade		Top Thread		Set Depth (mKB)									
2,342.0				89.4		Conductor		508.0		139.887		H-40		Welded		20.00									
2,362.0				89.7		Surface		244.5		53.574		K-55		LTC		603.00									
2,399.0				89.4		Intermediate		177.8		38.692		P-110		LTC		1,908.00									
2,419.0				89.5		Production		114.3		17.263		P-110		LTC		2,909.32									
2,456.0				88.6		PBTDs																			
						Date		Type		Depth (mKB)		KO MD (mKB)		TD (max) (mKB)											
2,476.0				88.6		2/7/2014				2,877.30				2,910.00											
2,514.0				88.2		TUBING STRING																			
						Tubing Description		Run Date		Pull Date		String Length (m)		Set Depth (mKB)											
2,534.0				88.3		Tubing - Production		2/28/2014				1,798.17		1,802.39											
2,571.0				88.1		Comment																			
2,591.0				88.1		2 control lines w/weatherford real time gauges installed in tubing string. 1 Canon clamp installed on every tubing connection to secure control lines.																			
2,628.0				88.4																					
2,648.0				88.5																					
2,685.0				87.9																					
2,705.0				88.3																					
2,743.0				88.0																					
2,763.0				88.3																					
2,789.0				88.6																					
2,819.0				88.8																					
2,839.0				89.3																					
2,847.0				89.3																					
2,858.0				89.1																					
2,877.3				88.3																					
						Jts		Item Des		OD Nominal (mm)		Nominal ID (mm)		Wt (kg/m)		Grade		Make		Model		Len (m)		Top (mKB)	
						1		Extended neckTubing Hanger c/w 2-1/2" ports		179.0		50.7				L-80		Stream Flo / Crown		Straight Bore c/w Extended neck		0.16		4.22	
								7000 daN compression		60.3		50.7										-0.79		4.38	
								Tubing buckle		60.3		50.7										-0.25		3.59	
								Tally correction		60.3		50.7										-1.48		3.34	
						1		Tubing Pup Joint (spacer nipple)		60.3		50.7		6.994		J-55						0.10		1.86	
						1		Tubing		60.3		50.7		6.994		J-55				T&C Upset		9.63		1.96	



HORIZONTAL - Original Hole, 3/28/2014 6:00:00 PM												
MD (mKB )	Incl (°)		Jts	Item Des	OD Nominal (mm)	Nominal ID (mm)	Wt (kg/m)	Grade	Make	Model	Len (m)	Top (mKB)
			2	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	4.32	11.59
3.3	0.4		183	Tubing	60.3	50.7	6.994	J-55		T&C Upset	1,756.45	15.91
4.4	0.4											
15.9	0.4		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	1.24	1,772.36
1,477.3	4.2		1	CXU Sliding sleeve c/w 47.63mm X profile, up open	79.2	47.6		L-80		CXU	0.86	1,773.60
1,773.6	53.9		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	3.09	1,774.46
1,777.6	55.2		1	Gauge Carrier	90.7	50.7		L-80	Weathe rford		1.56	1,777.55
1,783.7	56.6		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	3.06	1,779.11
1,795.1	60.0		1	Gauge Carrier	90.7	50.7		L-80	Weathe rford		1.56	1,782.17
1,798.8	60.8		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	2.47	1,783.73
1,802.3	61.8		1	47.63mm X Profile Nipple	77.7	47.6		L-80	Weathe rford		0.29	1,786.20
1,998.0	89.9		1	Tubing	60.3	50.7	6.994	J-55		T&C Upset	9.65	1,786.49
2,018.0	88.4		1	Extended no-jay NFT on/ off tool	95.3	50.7		L-80	Weathe rford		1.11	1,796.14
2,050.0	88.3		1	Slick Joint c/w 47.63mm x profile	60.3	47.6	6.994	J-55	Weathe rford	T&C Upset	0.17	1,797.25
2,076.0	86.5		1	Weatherford WDH double grip packer (69MPa rated)	101.6	50.7			Weathe rford WDH11 4 WL	T&C Upset	1.38	1,797.42
2,113.0	85.6		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	2.49	1,798.80
2,133.0	85.7		1	XN no-go profile nipple 45.49mm no go	60.3	45.5		L-80	Weathe rford	T&C Upset	0.32	1,801.29
1,700.0	85.9		1	Tubing Pup Joint	60.3	50.7	6.994	J-55		T&C Upset	0.65	1,801.61
2,190.0	86.1		1	PPMP Pump out plug	60.3	50.7		L-80		T&C Upset	0.13	1,802.26
2,227.0	87.3											
2,247.0	87.9											
2,285.0	88.9											
2,305.0	89.3											
2,342.0	89.4											
2,362.0	89.7											
2,399.0	89.4											
2,419.0	89.5											
2,456.0	88.6											
2,476.0	88.6											
2,514.0	88.2											
2,534.0	88.3											
2,571.0	88.1											
2,591.0	88.1											
2,628.0	88.4											
2,648.0	88.5											
2,685.0	87.9											
2,705.0	88.3											
2,743.0	88.0											
2,763.0	88.3											
2,789.0	88.6											
801.0	88.8											
2,819.0	89.2											
2,828.0	89.3											
2,847.0	89.3											
2,858.0	89.1											
2,877.3	88.3											
PERFORATIONS												
Date	Top (mKB)	Btm (mKB)	Type	Zone	Current Status							
2/16/2014	1,998.00	1,999.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,017.00	2,018.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,036.00	2,037.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,056.00	2,057.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,075.00	2,076.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,094.00	2,095.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,113.00	2,114.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,132.00	2,133.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,151.00	2,152.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/16/2014	2,170.00	2,171.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/15/2014	2,189.00	2,190.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/15/2014	2,208.00	2,209.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/15/2014	2,227.00	2,228.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/15/2014	2,246.00	2,247.00	Perforated	CANOL, Original Hole	Open - Flowing							
2/15/2014	2,265.00	2,266.00	Perforated	CANOL, Original Hole	Open - Flowing							



HORIZONTAL - Original Hole, 3/28/2014 6:00:00 PM			PERFORATIONS					
MD (mKB )	Incl (°)		Date	Top (mKB)	Btm (mKB)	Type	Zone	Current Status
Vertical schematic (actual) <b>WELL CONFIG - HORIZONTAL</b> 			2/15/2014	2,285.00	2,286.00	Perforated	CANOL, Original Hole	Open - Flowing
			2/15/2014	2,304.00	2,305.00	Perforated	CANOL, Original Hole	Open - Flowing
3.3	0.4		2/15/2014	2,323.00	2,324.00	Perforated	CANOL, Original Hole	Open - Flowing
4.4	0.4		2/15/2014	2,342.00	2,343.00	Perforated	CANOL, Original Hole	Open - Flowing
15.9	0.4		2/15/2014	2,361.00	2,362.00	Perforated	CANOL, Original Hole	Open - Flowing
1,477.3	4.2		2/14/2014	2,380.00	2,381.00	Perforated	CANOL, Original Hole	Open - Flowing
1,773.6	53.9		2/14/2014	2,399.00	2,400.00	Perforated	CANOL, Original Hole	Open - Flowing
1,777.6	55.2		2/14/2014	2,418.00	2,419.00	Perforated	CANOL, Original Hole	Open - Flowing
1,783.7	56.6		2/13/2014	2,437.00	2,438.00	Perforated	CANOL, Original Hole	Open - Flowing
1,796.1	60.0		2/13/2014	2,456.00	2,457.00	Perforated	CANOL, Original Hole	Open - Flowing
1,798.8	60.8		2/13/2014	2,475.00	2,476.00	Perforated	CANOL, Original Hole	Open - Flowing
1,802.3	61.8		2/13/2014	2,494.00	2,495.00	Perforated	CANOL, Original Hole	Open - Flowing
1,996.0	89.9		2/13/2014	2,514.00	2,515.00	Perforated	CANOL, Original Hole	Open - Flowing
2,016.0	88.4		2/13/2014	2,533.00	2,534.00	Perforated	CANOL, Original Hole	Open - Flowing
2,056.0	88.3		2/13/2014	2,552.00	2,553.00	Perforated	CANOL, Original Hole	Open - Flowing
2,076.0	86.5		2/13/2014	2,571.00	2,572.00	Perforated	CANOL, Original Hole	Open - Flowing
2,113.0	85.6		2/12/2014	2,590.00	2,591.00	Perforated	CANOL, Original Hole	Open - Flowing
2,133.0	85.7		2/12/2014	2,609.00	2,610.00	Perforated	CANOL, Original Hole	Open - Flowing
1,700.0	85.9		2/12/2014	2,628.00	2,629.00	Perforated	CANOL, Original Hole	Open - Flowing
2,190.0	86.1		2/12/2014	2,647.00	2,648.00	Perforated	CANOL, Original Hole	Open - Flowing
2,227.0	87.3		2/12/2014	2,666.00	2,667.00	Perforated	CANOL, Original Hole	Open - Flowing
2,247.0	87.9		2/12/2014	2,685.00	2,686.00	Perforated	CANOL, Original Hole	Open - Flowing
2,285.0	88.9		2/12/2014	2,704.00	2,705.00	Perforated	CANOL, Original Hole	Open - Flowing
2,305.0	89.3		2/12/2014	2,723.00	2,724.00	Perforated	CANOL, Original Hole	Open - Flowing
2,342.0	89.4		2/12/2014	2,743.00	2,744.00	Perforated	CANOL, Original Hole	Open - Flowing
2,362.0	89.7		2/12/2014	2,762.00	2,763.00	Perforated	CANOL, Original Hole	Open - Flowing
2,399.0	89.4		2/11/2014	2,781.00	2,782.00	Perforated	CANOL, Original Hole	Open - Flowing
2,419.0	89.5		2/8/2014	2,789.00	2,790.00	Perforated	CANOL, Original Hole	Open - Flowing
2,456.0	88.6		2/11/2014	2,800.00	2,801.00	Perforated	CANOL, Original Hole	Open - Flowing
2,476.0	88.6		2/8/2014	2,808.00	2,809.00	Perforated	CANOL, Original Hole	Open - Flowing
2,514.0	88.2		2/11/2014	2,819.00	2,820.00	Perforated	CANOL, Original Hole	Open - Flowing
2,534.0	88.3		2/8/2014	2,827.00	2,828.00	Perforated	CANOL, Original Hole	Open - Flowing
2,571.0	88.1		2/11/2014	2,838.00	2,839.00	Perforated	CANOL, Original Hole	Open - Flowing
2,591.0	88.1		2/8/2014	2,847.00	2,848.00	Perforated	CANOL, Original Hole	Open - Flowing
2,628.0	88.4		2/11/2014	2,857.00	2,858.00	Perforated	CANOL, Original Hole	Open - Flowing
2,648.0	88.5		2/8/2014	2,866.00	2,867.00	Perforated	CANOL, Original Hole	Open - Flowing
			STIMULATION & TREATMENTS					
			Date	Zone		Type	Proppant Design (kg)	Proppant Frm (kg)
			2/17/2014	CANOL, Original Hole		Slickwater	100,000.0	99,350.0
			2/16/2014	CANOL, Original Hole		Other	0.0	0.0
			2/16/2014	CANOL, Original Hole		Slickwater	100,000.0	99,660.0
			2/16/2014	CANOL, Original Hole		Slickwater	100,000.0	112,798.0
			2/15/2014	CANOL, Original Hole		Slickwater	100,000.0	110,279.0
			2/15/2014	CANOL, Original Hole		Slickwater	100,000.0	100,000.0
			2/14/2014	CANOL, Original Hole		Slickwater	100,000.0	100,360.0
			2/13/2014	CANOL, Original Hole		Slickwater	100,000.0	115,547.0
			2/13/2014	CANOL, Original Hole		Slickwater	100,000.0	95,859.2
			2/12/2014	CANOL, Original Hole		Slickwater	100,000.0	116,103.0
			2/11/2014	CANOL, Original Hole		Slickwater	100,000.0	99,679.1
			2/9/2014	CANOL, Original Hole		Slickwater	100,000.0	716.0



HORIZONTAL - Original Hole, 3/28/2014 6:00:00 PM		OTHER IN HOLE			
MD (mKB)	Incl (°)	Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
		1/22/2014	Packer	1,477.35	1,478.90
		OD (mm)	ID (mm)	Make	Model
		153.7	120.7		
		Comment			
		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
		3/1/2014	Pressure / Temperatur...	1,786.20	1,786.49
		OD (mm)	ID (mm)	Make	Model
		31.8		Weatherford	SN 8927 (bottom gauge)
		Comment			
		Weatherford tandem 10K BHRs inside bomb wells. Recorders are attached to bottom of a flow through X-lock set in X-profile at 1786.20mKB			
		Top SN# 8926 / Bottom SN# 8927			
<p>Vertical schematic (actual)</p> <p>WELL CONFIG - HORIZONTAL</p>					
3.3	0.4				
4.4	0.4				
15.9	0.4				
1,477.3	4.2				
1,773.6	53.9				
1,777.8	55.2				
1,783.7	56.6				
1,796.1	60.0				
1,798.8	60.8				
1,802.3	61.8				
1,998.0	89.9				
2,018.0	88.4				
2,056.0	88.3				
2,076.0	86.5				
2,113.0	85.6				
2,133.0	85.7				
1,702.0	85.9				
2,190.0	86.1				
2,227.0	87.3				
2,247.0	87.9				
2,265.0	88.9				
2,306.0	89.3				
2,342.0	89.4				
2,362.0	89.7				
2,399.0	89.4				
2,419.0	89.5				
2,456.0	88.6				
2,476.0	88.6				
2,514.0	88.2				
2,534.0	88.3				
2,571.0	88.1				
2,591.0	88.1				
2,628.0	88.4				
2,648.0	88.5				
2,685.0	87.9				
2,705.0	88.3				
2,743.0	88.0				
2,763.0	88.3				
2,789.0	88.6				
2,801.0	88.8				
2,819.0	89.2				
2,826.0	89.3				
2,847.0	89.3				
2,858.0	89.1				
2,877.3	88.3				

## COPRC Dodo Canyon E-76

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### **XVI Completions End of Job QC Summary**