

Proposed Kola Unit No. 4 Tract Factors Based on 50% Remaining OOIP & 50% 90 Day Cumulative Oil (October 2014)

											Remaining Oil in Place Tract Factor						90 Day Cumulative Oil Tract Factor						Total	
Area				phi	Ha*m	S _w	B _o	OOIP		Wellbores	Production Allocation	Cumulative Oil per Well		Remaining Oil in Place		Tract Factor		90 day Cumulative Oil per Well		90 day Cumulative Oil per Well per LSD		Tract Factor		Tract Factor
LSD	Section	TWP	RGE				(m ³ /m ³)	(m ³)	(mmbbl)			(m ³)	(mmbbl)	(m ³)	(mmbbl)	100%	50%	(m ³)	(bbl)	(m ³)	(bbl)	100%	50%	
1	10	011	29W1	0.15	23	0.45	1.09	17,408.3	109.5	00/08-10-011-29W1/0	0.06%	3,902.2	24.6	17,405.8	109.5	3.415328187%	1.707664093%	370.8	2,333.6	0.2	1.5	0.003076657%	0.001538328%	1.709202422%
2	10	011	29W1	0.15	24	0.45	1.09	18,165.1	114.3	00/01-10-011-29W1/0	27.69%	2,218.1	14.0	17,547.3	110.4	3.443090255%	1.721545128%	491.3	3,091.7	136.4	858.4	1.785164299%	0.892582150%	2.614127277%
										00/08-10-011-29W1/0	0.09%	3,902.2	24.6					370.8	2,333.6					
3	10	011	29W1	0.15	38	0.45	1.09	28,761.5	181.0	00/01-10-011-29W1/0	37.50%	2,218.1	14.0	27,923.6	175.7	5.479108114%	2.739554057%	491.3	3,091.7	184.8	1,163.1	2.418977052%	1.209488526%	3.949042583%
										00/08-10-011-29W1/0	0.15%	3,902.2	24.6					370.8	2,333.6					
4	10	011	29W1	0.15	40	0.45	1.09	30,275.2	190.5	00/01-10-011-29W1/0	34.80%	2,218.1	14.0	28,554.1	179.7	5.602824947%	2.801412473%	491.3	3,091.7	397.0	2,498.4	5.195954530%	2.597977265%	5.399389738%
										00/04-10-011-29W1/0	100.00%	949.2	6.0					226.0	1,422.4					
5	10	011	29W1	0.15	41	0.45	1.09	31,032.1	195.3	00/05-10-011-29W1/0	100.00%	7,673.9	48.3	22,270.3	140.1	4.369843190%	2.184921595%	1,191.5	7,498.2	1,294.9	8,148.7	16.947266798%	8.473633399%	10.658554994%
										00/08-10-011-29W1/0	27.88%	3,902.2	24.6					370.8	2,333.6					
6	10	011	29W1	0.15	48	0.45	1.09	36,330.3	228.6	00/06-10-011-29W1/0	100.00%	2,386.1	15.0	32,756.4	206.1	6.427397941%	3.213698971%	422.9	2,661.0	535.7	3,371.3	7.011554370%	3.505777185%	6.719476156%
										00/08-10-011-29W1/0	30.44%	3,902.2	24.6					370.8	2,333.6					
7	10	011	29W1	0.15	23	0.45	1.09	17,408.3	109.5	00/08-10-011-29W1/0	30.49%	3,902.2	24.6	16,218.3	102.1	3.182323285%	1.591161642%	370.8	2,333.6	113.1	711.6	1.479964691%	0.739982345%	2.331143988%
8	10	011	29W1	0.15	20	0.45	1.09	15,137.6	95.3	00/08-10-011-29W1/0	10.88%	3,902.2	24.6	14,713.0	92.6	2.886963625%	1.443481813%	370.8	2,333.6	40.3	253.9	0.528049609%	0.264024804%	1.707506617%
9	10	011	29W1	0.15	19	0.45	1.09	14,380.7	90.5	00/09-10-011-29W1/0	9.15%	4,457.1	28.0	13,972.9	87.9	2.741725688%	1.370862844%	365.8	2,301.6	33.5	210.6	0.438052206%	0.219026103%	1.589888947%
10	10	011	29W1	0.15	31	0.45	1.09	23,463.3	147.7	00/09-10-011-29W1/0	31.02%	4,457.1	28.0	22,080.7	139.0	4.332627097%	2.166313548%	365.8	2,301.6	113.5	714.0	1.484901038%	0.742450519%	2.908764068%
11	10	011	29W1	0.15	49	0.45	1.09	37,087.2	233.4	00/09-10-011-29W1/0	31.03%	4,457.1	28.0	32,071.6	201.8	6.293035104%	3.146517552%	365.8	2,301.6	550.1	3,462.0	7.200112709%	3.600056354%	6.746573906%
										00/11-10-011-29W1/0	100.00%	3,590.7	22.6					431.4	2,714.5					
12	10	011	29W1	0.15	42	0.45	1.09	31,789.0	200.0	00/06-15-011-29W1/0	0.82%	5,079.7	32.0	27,224.9	171.3	5.342025442%	2.671012721%	645.1	4,059.3	318.0	2,001.1	4.161802181%	2.080901090%	4.751913811%
										00/09-10-011-29W1/0	28.79%	4,457.1	28.0					365.8	2,301.6					
13	10	011	29W1	0.15	34	0.45	1.09	25,733.9	161.9	00/12-10-011-29W1/0	100.00%	3,280.7	20.6	19,019.7	119.7	3.732013764%	1.866006882%	212.7	1,338.4	932.1	5,865.9	12.199601124%	6.099800562%	7.965807444%
										00/13-10-011-29W1/0	100.00%	3,956.0	24.9					556.7	3,503.5					
14	10	011	29W1	0.15	40	0.45	1.09	30,275.2	190.5	00/05-15-011-29W1/0	32.32%	8,005.0	50.4	24,546.2	154.5	4.816414168%	2.408207084%	1,094.3	6,886.6	1,100.1	6,922.5	14.397103182%	7.198551591%	9.606758675%
										00/06-15-011-29W1/0	3.36%	5,079.7	32.0					645.1	4,059.3					
15	10	011	29W1	0.15	37	0.45	1.09	28,004.6	176.2	00/14-10-011-29W1/0	100.00%	4,161.7	26.2	24,546.2	154.5	4.816414168%	2.408207084%	901.0	5,670.0	1,100.1	6,922.5	14.397103182%	7.198551591%	9.606758675%
16	10	011	29W1	0.15	14	0.45	1.09	10,596.3	66.7	00/06-15-011-29W1/0	30.85%	5,079.7	32.0	26,363.4	165.9	5.172971447%	2.586485723%	645.1	4,059.3	255.4	1,607.1	3.342373421%	1.671186710%	4.257672434%
1	15	011	29W1	0.15	9	0.45	1.09	6,811.9	42.9	00/15-10-011-29W1/0	100.00%	1,641.2	10.3	10,596.3	66.7	2.079190877%	1.039595438%	-	-	-	-	0.000000000%	0.000000000%	1.039595438%
2	15	011	29W1	0.15	26	0.45	1.09	19,678.9	123.8			-	-	6,811.9	42.9	1.336622706%	0.668311353%	-	-	-	-	0.000000000%	0.000000000%	0.668311353%
3	15	011	29W1	0.15	38	0.45	1.09	28,761.5	181.0	00/02-15-011-29W1/0	100.00%	1,135.5	7.1	18,543.4	116.7	3.638548924%	1.819274462%	183.9	1,157.1	183.9	1,157.1	2.406534708%	1.203254181%	3.022541816%
4	15	011	29W1	0.15	38	0.45	1.09	28,761.5	181.0	00/03-15-011-29W1/0	100.00%	1,801.8	11.3	25,462.9	160.2	4.996276397%	2.498138198%	292.0	1,837.6	482.1	3,033.8	6.309466090%	3.154733045%	5.652871243%
										00/06-15-011-29W1/0	29.47%	5,079.7	32.0					645.1	4,059.3					
5	15	011	29W1	0.15	38	0.45	1.09	28,761.5	181.0	00/05-15-011-29W1/0	35.90%	8,005.0	50.4	25,620.0	161.2	5.027108585%	2.513554293%	1,094.3	6,886.6	426.9	2,686.2	5.586606370%	2.793303185%	5.306857478%
										00/06-15-011-29W1/0	5.27%	5,079.7	32.0					645.1	4,059.3					
6	15	011	29W1	0.15	37	0.45	1.09	28,004.6	176.2	00/05-15-011-29W1/0	31.77%	8,005.0	50.4	25,261.6	159.0	4.956790653%	2.478395327%	1,094.3	6,886.6	373.0	2,347.5	4.882249529%	2.441124765%	4.919520091%
										00/06-15-011-29W1/0	3.93%	5,079.7	32.0					645.1	4,059.3					
7	15	011	29W1	0.15	28	0.45	1.09	21,192.7	133.4	00/06-15-011-29W1/0	26.31%	5,079.7	32.0	19,856.2	125.0	3.896142440%	1.948071220%	645.1	4,059.3	169.7	1,068.0	2.221189437%	1.110594719%	3.058665939%
8	15	011	29W1	0.15	24	0.45	1.09	18,165.1	114.3			-	-	18,165.1	114.3	3.564327217%	1.782163608%	-	-	-	-	0.000000000%	0.000000000%	1.782163608%
					22	0.45	1.09	16,651.4	104.8			-	-	16,651.4	104.8	3.267299949%	1.633649974%	-	-	-	-	0.000000000%	0.000000000%	1.633649974%
Total								563,876.1	3,548.4					509,637.2	3,207.1	100.000000000%	50.000000000%			7,640.8	48,082.7	100.000000000%	50.000000000%	100.000000000%