Disclaimer

The commodity prices and foreign exchange information shown below, present Ryder Scott Company's (Ryder Scott) estimates of future prices and other market parameters for the oil and gas industry. They represent our opinion of reasonable forecasts used in the industry at a specific point in time. They are based on an informed interpretation of the information we have extracted from numerous sources including, but not limited to, public websites for government agencies and oil and gas marketers that was available at the indicated effective date of the forecast. Ryder Scott accepted this information from the sources as represented, without independent verification and accepts no responsibility for any inaccuracies that may exist.

These forecasts are revised quarterly and are subject to significant changes due to the high degree of uncertainty regarding the forecasting of oil and gas prices. Furthermore, significant changes may occur in between our quarterly updates that will not be reflected herein. Any use of these forecasts is performed at the users' own risk and discretion, to which Ryder Scott, its directors, officers, employees, and/or consultants shall not be liable or otherwise held responsible.

RYDER SCOTT COMPANY

OIL AND NGL PRICE FORECAST

Effective December 31, 2016

		$ U.S.			$ CAD											
YEAR	Exchange Rate 1 CDN -> US	WTI @ Cushing $/bbl	Mont Belvieu NGL $/bbl	Brent North Sea Blend $/bbl	Edmonton MSW 40° API $/bbl	25° API @ Hardisty $/bbl	Bow River Stream @ Hardisty $bbl	WCS 20.5° API @ Hardisty $/bbl	12° API @ Hardisty $/bbl	LSB Stream @ Cromer $bbl	Midale Medium 29.3° API @ Cromer $/bbl	Condensate $/bbl	Pentanes+ $/bbl	Butane $/bbl	Propane $/bbl	Ethane $/bbl
History																
2007	0.93	72.31		72.46	76.35		51.91	52.84	46.35		65.07	82.05	76.41	55.87	47.81	18.25
2008	0.94	99.60		96.85	102.16	87.53	83.83	82.90	77.46		93.17	111.03	106.47	83.54	56.96	23.12
2009	0.88	61.69		61.49	65.90	61.07	59.66	58.66	57.82		62.79	68.88	65.86	56.21	34.62	11.64
2010	0.97	79.46		79.50	77.50	70.19	68.11	67.23	64.23		73.78	84.24	81.71	68.79	45.32	11.48
2011	1.01	95.08		111.27	95.03	81.55	78.13	77.10	71.87		89.11	104.18	101.88	86.98	52.41	9.63
2012	1.00	94.20		111.65	86.12	77.47	74.12	73.08	67.47		82.10	100.79	98.89	75.47	30.80	6.27
2013	0.97	97.97		108.64	92.92	79.13	76.15	75.26	68.17	91.64	88.27	104.67	100.41	77.44	38.54	8.30
2014	0.91	93.00		99.02	93.38	81.81	81.76	79.12	73.01	91.34	87.80	102.38	97.28	59.43	42.93	11.74
2015	0.79	48.78		52.39	57.76	47.46	45.62	44.82	42.03	55.27	51.47	60.28	55.15	33.70	5.35	7.12
2016	0.75	43.28		42.63	52.99	40.07	38.28	38.21	33.69	50.70	48.14	55.07	50.85	29.77	6.69	4.92
2016 Q1	0.73	33.45		33.70	41.68	29.36	26.67	27.06	21.72	37.57	35.31	47.25	43.54	26.20	3.79	5.18
2016 Q2	0.78	45.59		45.52	56.45	43.30	41.96	41.66	37.57	54.47	51.84	56.81	53.10	30.49	7.05	3.21
2016 Q3	0.77	44.87		45.79	55.80	42.91	41.38	41.30	37.26	54.66	52.15	56.22	52.64	30.31	6.03	5.64
2016 Q4 Partial	0.75	49.21		46.95	60.53	47.05	45.52	45.13	40.48	58.79	55.81	62.49	60.69	36.69	16.34	7.08
Forecast																
2017	0.745	55.00	20.63	56.65	69.04	57.83	55.41	54.62	49.77	66.83	63.77	75.90	72.02	50.45	20.92	10.74
2018	0.780	58.00	21.75	59.74	69.59	58.35	55.94	55.14	50.27	67.40	64.32	76.52	72.65	50.98	21.36	9.10
2019	0.800	64.00	24.00	65.92	74.96	63.45	61.12	60.18	55.12	72.89	69.71	82.58	78.80	56.13	25.71	9.72
2020	0.838	68.00	25.50	71.40	76.12	64.56	62.24	61.27	56.17	74.08	70.88	83.89	80.13	57.25	26.65	10.12
2021	0.849	72.00	27.00	75.60	79.59	67.84	65.59	64.51	59.30	77.62	74.36	87.80	84.10	60.57	29.45	10.78
2022	0.860	76.00	28.50	79.80	82.96	71.05	68.84	67.67	62.35	81.07	77.75	91.61	87.96	63.80	32.18	11.42
2023	0.868	79.00	29.63	82.95	85.44	73.40	71.23	69.99	64.58	83.60	80.23	94.40	90.80	66.18	34.18	11.58
2024	0.874	81.00	30.38	85.05	87.06	74.94	72.79	71.51	66.04	85.26	81.86	96.23	92.65	67.73	35.49	11.77
2025	0.879	82.62	30.98	86.75	88.36	76.17	74.05	72.73	67.22	86.59	83.17	97.70	94.14	68.98	36.54	11.98
2026	0.883	84.27	31.60	88.49	89.67	77.42	75.31	73.96	68.40	87.93	84.49	99.18	95.64	70.23	37.60	12.19
2027	0.888	85.96	32.23	90.26	90.99	78.67	76.59	75.20	69.60	89.28	85.81	100.67	97.16	71.50	38.67	12.41
2028	0.893	87.68	32.88	92.06	92.33	79.94	77.88	76.45	70.80	90.65	87.16	102.18	98.69	72.78	39.75	12.63
2029	0.898	89.43	33.54	93.90	93.67	81.22	79.18	77.72	72.02	92.02	88.51	103.70	100.23	74.08	40.84	12.84
2030	0.900	91.22	34.21	95.78	95.31	82.77	80.76	79.25	73.50	93.70	90.15	105.55	102.10	75.64	42.17	13.10
2031	0.900	93.04	34.89	97.70	97.23	84.60	82.61	81.05	75.23	95.66	92.08	107.72	104.30	77.49	43.72	13.40
2032	0.900	94.90	35.59	99.65	99.19	86.46	84.50	82.89	77.00	97.67	94.05	109.93	106.55	79.37	45.31	13.70
2033	0.900	96.80	36.30	101.64	101.19	88.36	86.43	84.76	78.81	99.71	96.06	112.19	108.84	81.28	46.92	14.00
2034	0.900	98.74	37.03	103.68	103.23	90.30	88.40	86.68	80.65	101.80	98.11	114.49	111.18	83.24	48.57	14.31
2035	0.900	100.71	37.77	105.75	105.31	92.27	90.41	88.63	82.53	103.92	100.20	116.84	113.56	85.23	50.26	14.63
2036+								No Further Escalation								

*Costs are escalated at 2.00%/year for 2017 and each year thereafter until the major hydrocarbon product reaches its final price.

RYDER SCOTT COMPANY
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NATURAL GAS AND SULPHUR PRICE FORECAST

Effective December 31, 2016

			ALBERTA		BC		SASK.	
		$ U.S.	$ CAD		$ CAD	$ U.S.	$ CAD	$ CAD
YEAR	Exchange Rate 1 CDN -> US	Nymex @ Henry Hub $/MMBTU	AECO-C / NIT 30 Day Spot $/MMBTU	Alta Field 30 Day Spot $/MMBTU	Station #2 $/MMBTU	Huntington MMBTU	Provincial Average $/MMBTU	Sulphur $/LT
History								
2007	0.93	6.95	6.60	6.07	6.41	6.49	5.98	26.81
2008	0.94	8.85	8.41	7.56	8.12	8.34	7.87	292.44
2009	0.88	3.89	3.87	3.73	4.05	3.95	3.81	15.23
2010	0.97	4.40	3.84	3.83	3.93	4.33	3.91	42.34
2011	1.01	4.01	3.63	3.46	3.36	3.93	3.52	106.50
2012	1.00	2.75	2.39	2.21	2.37	2.78	2.29	98.23
2013	0.97	3.72	3.17	2.94	3.12	3.68	3.07	55.26
2014	0.91	4.37	4.52	4.16	4.18	4.44	4.36	82.90
2015	0.79	2.62	2.71	2.52	1.95	2.41	2.69	102.59
2016	0.75	2.49	2.17	1.69	1.63	2.13	2.09	42.53
2016 Q1	0.73	1.99	1.86	1.87	1.43	2.03	2.07	63.84
2016 Q2	0.78	2.11	1.39	1.02	0.92	1.26	1.36	40.33
2016 Q3	0.77	2.85	2.36	1.96	2.07	2.41	2.29	29.89
2016 Q4 Partial	0.75	3.00	3.08	2.36	2.33	2.83	2.89	23.13
Forecast								
2017	0.745	3.60	4.22	3.76	3.75	3.49	3.98	50.00
2018	0.780	3.25	3.53	3.20	3.15	3.15	3.39	52.50
2019	0.800	3.50	3.79	3.41	3.38	3.40	3.61	55.00
2020	0.838	3.75	3.96	3.55	3.52	3.64	3.76	57.50
2021	0.849	4.00	4.24	3.77	3.76	3.88	3.99	60.00
2022	0.860	4.25	4.51	3.98	3.99	4.13	4.23	62.50
2023	0.868	4.34	4.58	4.04	4.05	4.21	4.28	63.75
2024	0.874	4.42	4.66	4.10	4.12	4.29	4.35	65.03
2025	0.879	4.51	4.75	4.17	4.19	4.38	4.43	66.33
2026	0.883	4.60	4.84	4.24	4.27	4.47	4.51	67.65
2027	0.888	4.69	4.93	4.32	4.35	4.56	4.58	69.01
2028	0.893	4.79	5.02	4.39	4.42	4.65	4.66	70.39
2029	0.898	4.88	5.11	4.46	4.50	4.74	4.74	71.79
2030	0.900	4.98	5.22	4.55	4.60	4.84	4.83	73.23
2031	0.900	5.08	5.35	4.65	4.70	4.93	4.94	74.69
2032	0.900	5.18	5.47	4.75	4.81	5.03	5.05	76.19
2033	0.900	5.28	5.60	4.85	4.92	5.13	5.16	77.71
2034	0.900	5.39	5.74	4.96	5.03	5.23	5.27	79.27
2035	0.900	5.50	5.87	5.07	5.15	5.34	5.39	80.85
2036+				No Further Escalation				

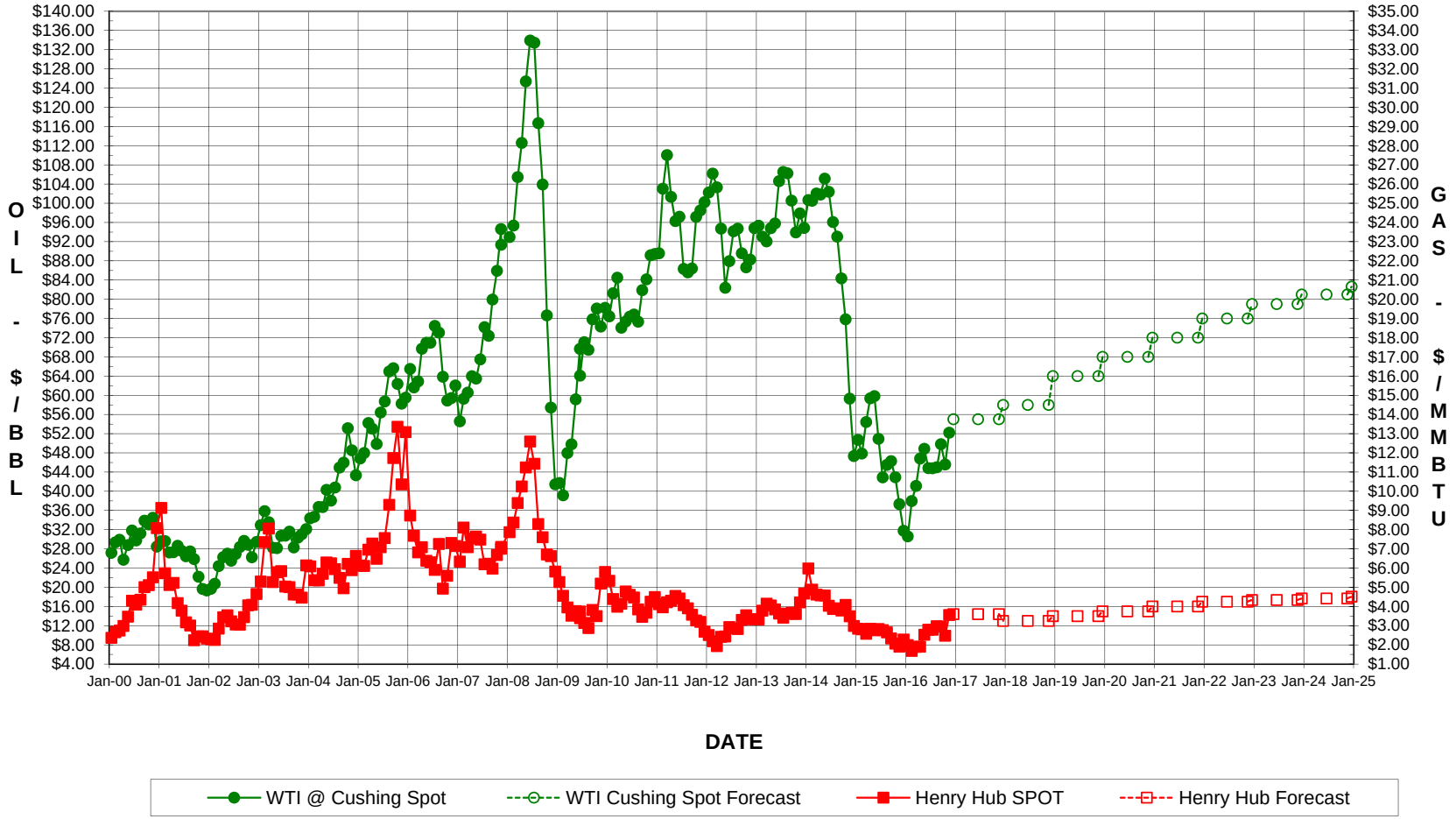
*Costs are escalated at 2.00%/year for 2017 and each year thereafter until the major hydrocarbon product reaches its final price.

RYDER SCOTT COMPANY
PETROLEUM CONSULTANTS

RYDER SCOTT PRICING FORECAST

EFFECTIVE DECEMBER 31, 2016

(Beginning 2023, escalate GAS prices at 2.0% / yr to a maximum of $5.50/ MMBTU [Year 2035] ; Beginning in 2025, escalate OIL prices at 2.0% / yr to a maximum of $100.71 / Bbl [Year 2035])



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