



TABLE NO. 2

## TRACT FACTOR CALCULATIONS EWART UNIT NO. 9

TRACT FACTORS BASED ON OIL-IN-PLACE (OOIP) - CUMULATIVE PRODUCTION TO FEBRUARY 2015

PROPOSED SEC 29-8-28W1						
LSD-SEC	Tract	OOIP (m3)	HZ Wells Alloc Prod (m3)	OOIP-Cum Prod	Tract Factor	Tract
1-29	01-29-008-28W1M	174,802	1,511	173,291	6.280935759%	01-29-008-28W1M
2-29	02-29-008-28W1M	151,952	1,624	150,327	5.448614389%	02-29-008-28W1M
3-29	03-29-008-28W1M	134,688	1,639	133,049	4.822342325%	03-29-008-28W1M
4-29	04-29-008-28W1M	125,895	1,570	124,325	4.506156417%	04-29-008-28W1M
5-29	05-29-008-28W1M	127,628	2,265	125,363	4.543778894%	05-29-008-28W1M
6-29	06-29-008-28W1M	158,725	2,404	156,320	5.665827387%	06-29-008-28W1M
7-29	07-29-008-28W1M	184,892	2,409	182,483	6.614075057%	07-29-008-28W1M
8-29	08-29-008-28W1M	218,045	2,120	215,925	7.826198628%	08-29-008-28W1M
9-29	09-29-008-28W1M	240,236	1,881	238,355	8.639157381%	09-29-008-28W1M
10-29	10-29-008-28W1M	207,179	2,264	204,915	7.427128937%	10-29-008-28W1M
11-29	11-29-008-28W1M	173,951	2,276	171,675	6.222373949%	11-29-008-28W1M
12-29	12-29-008-28W1M	130,834	2,157	128,678	4.663926868%	12-29-008-28W1M
13-29	13-29-008-28W1M	148,984	3,394	145,590	5.276902062%	13-29-008-28W1M
14-29	14-29-008-28W1M	178,737	3,574	175,164	6.348801982%	14-29-008-28W1M
15-29	15-29-008-28W1M	208,795	3,597	205,199	7.437415740%	15-29-008-28W1M
16-29	16-29-008-28W1M	231,654	3,309	228,345	8.276364225%	16-29-008-28W1M
		<b>2,796,997</b>	<b>37,993</b>	<b>2,759,003</b>	<b>100.0000000000%</b>	

TABLE NO. 3: WELL LIST AND STATUS

UWI	License Number	Type	Pool Name	Producing Zone	Mode	On Prod Date	Prod Date	Cal Dly Oil (m3/d)	Monthly Oil (m3)	Cum Prd Oil (m3)	Cal Dly Water (m3/d)	Monthly Water (m3)	Cum Prd Water (m3)	WCT (%)
103/04-29-008-28W1/0	009136	Horizontal	LOGEPOLE AA	LOGEPOLE	Producing	3/1/2013	Feb-2015	1.6	43.4	4000.9	0.2	5.0	550.0	10.33
104/04-29-008-28W1/0	009683	Horizontal	LOGEPOLE AA	LOGEPOLE	Producing	2/1/2014	Feb-2015	3.9	110.4	2808.9	0.6	16.8	758.2	13.21
103/05-29-008-28W1/0	009135	Horizontal	LOGEPOLE AA	LOGEPOLE	Producing	3/1/2013	Feb-2015	1.7	47.1	6913.9	1.6	44.1	836.5	48.36
104/05-29-008-28W1/0	009673	Horizontal	LOGEPOLE AA	LOGEPOLE	Producing	2/1/2014	Feb-2015	4.1	114.6	3201.4	0.5	13.2	608.9	10.33
104/12-29-008-28W1/2	009169	Horizontal	LOGEPOLE	LOGEPOLE	Producing	2/1/2013	Feb-2015	1.1	29.6	6184.5	0.1	2.7	569.4	8.36
102/13-29-008-28W1/0	008217	Horizontal	LOGEPOLE DD	LOGEPOLE	Producing	11/1/2011	Feb-2015	2.5	71.1	11461.0	0.3	7.2	988.0	9.20
103/13-29-008-28W1/0	009676	Horizontal	LOGEPOLE DD	LOGEPOLE	Producing	1/1/2014	Feb-2015	1.8	51.7	3422.7	0.2	6.3	1367.9	10.86
104/13-29-008-28W1/0	010320	Horizontal	N/A	N/A	N/A	N/A				37993.3			5678.9	

**TABLE NO. 4: OOIP CALCULATION**

UWI	Gross OOIP (sm3)	OOIP ( st bbl)	h (m)	N/G	SW	Gross h (m)	porosity	phi*h	Area (m2)	Bo
01-29-008-28W1M	174,802	1,099,503	14.85	0.68	0.32	21.79	0.12	1.74	161,874	1.10
02-29-008-28W1M	151,952	955,777	13.20	0.57	0.31	23.28	0.11	1.50	161,874	1.10
03-29-008-28W1M	134,688	847,187	11.88	0.49	0.30	24.43	0.11	1.31	161,874	1.10
04-29-008-28W1M	125,895	791,880	11.13	0.45	0.29	24.50	0.11	1.20	161,874	1.10
05-29-008-28W1M	127,628	802,777	11.29	0.45	0.31	25.21	0.11	1.25	161,874	1.10
06-29-008-28W1M	158,725	998,379	14.01	0.54	0.32	26.01	0.11	1.59	161,874	1.10
07-29-008-28W1M	184,892	1,162,968	16.11	0.65	0.33	24.68	0.12	1.88	161,874	1.10
08-29-008-28W1M	218,045	1,371,502	18.67	0.79	0.35	23.53	0.12	2.27	161,874	1.10
09-29-008-28W1M	240,236	1,511,082	21.02	0.85	0.37	24.77	0.12	2.60	161,874	1.10
10-29-008-28W1M	207,179	1,303,155	18.29	0.72	0.35	25.32	0.12	2.18	161,874	1.10
11-29-008-28W1M	173,951	1,094,154	15.48	0.60	0.33	26.00	0.11	1.78	161,874	1.10
12-29-008-28W1M	130,834	822,949	11.64	0.46	0.32	25.41	0.11	1.30	161,874	1.10
13-29-008-28W1M	148,984	937,107	13.33	0.53	0.32	25.04	0.11	1.49	161,874	1.10
14-29-008-28W1M	178,737	1,124,258	16.10	0.66	0.34	24.24	0.11	1.85	161,874	1.10
15-29-008-28W1M	208,795	1,313,323	18.72	0.77	0.36	24.28	0.12	2.23	161,874	1.10
16-29-008-28W1M	231,654	1,457,106	20.64	0.87	0.38	23.77	0.12	2.54	161,874	1.10
	<b>2,796,997</b>	<b>17,593,108</b>	<b>15.40</b>	<b>0.63</b>	<b>0.33</b>	<b>24.52</b>	<b>0.12</b>			

TABLE NO. 5		
Ewart Unit 9 - Section 29-008-28W1M Lodgepole Dolomite Rock and Fluid Properties		
Formation Pressure	8500 kPa @ -282 mSS	Initial Average Reservoir Pressure
Formation Temperature	28°C	Average from DST
Saturation Pressure	3613 kPa	Bubble Point (PVT)
GOR	27 m <sup>3</sup> /m <sup>3</sup>	Gas-Oil Ratio (PVT)
API Oil Gravity	34	PVT
Swi (fraction)	0.35	Initial Water Saturation
Produced Water Sp. Gr.	1.03	Water analysis
Produced Water pH	7.0-7.7	Water analysis
Produced Water TDS (mg/L)	38,000-42,000	Water analysis
Wettability	Mixed Wet	
Average Air Permeability    Lodgepole Dol.	5.17	Wt. Average Core Data (kmax>0.5 mD)
Average Porosity (Fraction)    Lodgepole Dol.	0.130	Wt. Average Core Data (kmax>0.5 mD)
Wt Average from all Lodgepole cores used in Porosity-Permeability Plot		