1	Stream Name		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
4	Description		Gas To HP Slug Catcher	Gas From HP Slug Catcher	Water From HP Slug Catcher	Oil From HP Slug Catcher	Oil To Condensate Surge Tank	Gas From Condensate Surge Tank	Water From Condensate Surge Tank	Oil From Condensate Surge Tank	Total To LP Separator	Gas From LP Separator	Water From LP Separator	Total Oil to Treater	Oil To Treater	Gas From Oil Treater	Water From Oil Treater	Oil From Treater	Oil To Treater	Gas From Oil Treater	Water From Oil Treater	Oil From Treater	To Flash Gas Compressor	Gas From Flash Gas Compressor	Gas To Scavenger Unit	Liquids From First Stage Scrubber	Liquids From Second Stage Scrubber
5	MolFrVap	nodim	0.997	0.999	0.000	0.395	0.319	1.000	0.000	0.062	0.076	1.000	0.000	0.021	0.027	1.000	----	0.175	0.027	1.000	----	0.175	1.000	1.000	1.000	0.000	0.084
6	Temperature	f	90	89	90	54	61	60	61	56	58	54	58	56	55	129	----	99	55	129	----	99	138	120	90	100	77
7	Pressure	psig	929	901	70	70	167	157	70	70	70	35	0.10	45	40	35	----	0.10	40	35	----	0.10	35	901	901	3.10	70
9	Total Mass	lb/hr	135,190	134,071	31	1,088	39,543	4,760	31	34,752	39,235	1,091	60	38,084	19,042	1,725	----	17,317	19,042	1,725	----	17,317	9,557	8,225	142,296	0	3,334
11	**Vapor**																										
12	Vap Mass	lb/hr	134,071	133,876	----	189	4,760	4,760	----	747	1,091	1,091	----	312	205	1,725	----	2,024	205	1,725	----	2,024	9,557	8,225	142,146	----	159
13	Vapor Std Vap	Simple Heater	59.817	59.786	----	0.066	1.892	1.892	----	0.248	0.355	0.355	----	0.091	0.058	0.337	----	0.317	0.058	0.337	----	0.317	1.941	2.763	62.555	----	0.040
14	Vapor Mw	lb/lbmol	20.41	20.39	----	25.88	22.91	22.91	----	27.38	27.96	27.96	----	31.24	32.07	46.56	----	58.11	32.07	46.56	----	58.11	44.85	27.11	20.70	----	36.14
15	Vapor Sg	nodim	0.705	0.704	----	0.894	0.791	0.791	----	0.945	0.965	0.965	----	1.079	1.107	1.608	----	2.006	1.107	1.608	----	2.006	1.548	0.936	0.715	----	1.248
16	Vapor Dens	lb/ft3	4.038	3.910	----	0.413	0.794	0.794	----	0.437	0.445	0.259	----	0.350	0.329	0.384	----	0.147	0.329	0.384	----	0.147	0.362	5.809	3.985	----	0.568
18	Cp/Cv Vap	nodim	1.570	1.562	----	1.242	1.294	1.294	----	1.235	1.230	1.218	----	1.205	1.199	1.128	----	1.098	1.199	1.128	----	1.098	1.128	1.710	1.566	----	1.187
19	Vap Visc	cP	0.014	0.014	----	0.010	0.011	0.011	----	0.010	0.010	0.010	----	0.010	0.010	0.009	----	0.008	0.010	0.009	----	0.008	0.010	0.015	0.014	----	0.010
20	LHV	btu/scf	----	----	----	----	----	1,203	----	----	----	1,446	----	----	----	2,405	----	----	----	2,405	----	----	2,318	1,415	----	----	----
21	**Liquid**																										
22	Liq Mass	lb/hr	1,088	193	----	899	34,752	----	----	34,005	38,084	----	----	37,772	18,837	----	----	15,293	18,837	----	----	15,293	----	----	148	----	3,175
23	Liq Std Vap	bpd	126	22	----	92	3,588	----	----	3,457	3,906	----	----	3,854	1,920	----	----	1,479	1,920	----	----	1,479	----	----	17	----	357
24	Actual Liquid	gpm	3.7	0.7	----	2.6	102	----	----	98	111	----	----	110	55	----	----	44	55	----	----	44	----	----	0.5	----	10
26	Liquid SG@tp	nodim	0.584	0.585	----	0.687	0.681	----	----	0.691	0.684	----	----	0.688	0.689	----	----	0.695	0.689	----	----	0.695	----	----	0.576	----	0.612
28	Std Liq API	Nodim	106.5	106.5	----	79.4	81.4	----	----	78.2	80.0	----	----	78.9	78.7	----	----	67.9	78.7	----	----	67.9	----	----	109.4	----	100.1
29	Liq Mw	lb/lbmol	59.04	59.13	----	80.72	78.69	----	----	82.06	80.46	----	----	81.52	81.80	----	----	92.81	81.80	----	----	92.81	----	----	57.76	----	66.45
30	Liq Visc	cP	0.172	0.175	----	0.354	0.333	----	----	0.368	0.348	----	----	0.360	0.364	----	----	0.353	0.364	----	----	0.353	----	----	0.164	----	0.207
32	**Aqueous**																										
33	Aqueous Mass	lb/hr	31	3	31	----	31	----	31	----	60	----	60	----	----	----	----	----	----	----	----	----	----	----	2	0	----
34	Aqueous Std Vol	bpd	2	0.18	2	----	2	----	2	----	4	----	4	----	----	----	----	----	----	----	----	----	----	----	0.17	0.00	----
35	Actual Liquid	gpm	0.1	0.0	0.1	----	0.1	----	0.1	----	0.1	----	0.1	----	----	----	----	----	----	----	----	----	----	----	0.0	0.0	----

1	Stream Name		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	48	49	50	51
4	Description		To NGL Storage	Condensate to Storage Tanks	Condensate to Lact	Condensate From LACT	Condensate Tank Vapors	Produced Water To Storage	Vapors From Produced Water Tank	To Bad Oil/ Slop Tank	Vapors From Bad Oil/Stop Tank	To VRU Compressor	VRU Compressor Discharge	VRU Compressor Discharge	Vapors From VRU	VRU K/O Liquids	HP Gas To H2S Removal	Sweet HP Gas To Dehydration	HP Gas From Dehydration	HP Gas From Departing Gas Scrubber	Liquids From Departing Gas Scrubber	Sales Gas	To Fuel Gas Scrubber	Liquids From Fuel Gas Scrubber	Fuel Gas From Scrubber	To Production Flare Scrubber	To Tank Flare Scrubber
5	MolFrVap	nodim	0.430	0.175	0.000	0.000	1.000	0.001	1.000	1.000	----	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	----	1.000	1.000	----	1.000	1.000	1.000
6	Temperature	f	65	99	100	100	100	58	100	100	----	100	189	189	189	100	90	92	102	102	----	102	102	----	80	74	74
7	Pressure	psig	200	0.10	0.10	0.10	0.10	0.10	0.10	0.10	----	0.10	45	45	45	3.10	901	894	887	887	----	887	887	----	90	0.12	0.10
9	Total Mass	lb/hr	2,758	34,635	30,432	30,432	4,203	61	0	0	----	4,203	4,203	4,203	4,203	0	142,296	142,289	142,181	142,181	----	142,768	413	----	413	2	2
11	**Vapor**																										
12	Vap Mass	lb/hr	814	4,049	----	----	4,203	0	0	----	----	4,203	4,203	4,203	4,203	----	142,146	142,285	142,181	142,181	----	141,768	413	----	413	2	2
13	Vapor Std Vap	Simple Heater	0.256	0.635	----	----	0.655	0.000	0.000	----	----	0.655	0.655	0.655	0.655	----	62.555	62.578	62.523	62.523	----	62.342	0.182	----	0.182	0.001	0.001
14	Vapor Mw	lb/lbmol	28.99	58.11	----	----	58.43	51.34	49.64	----	----	58.43	58.43	58.43	58.43	----	20.70	20.71	20.71	20.71	----	20.71	20.71	----	20.71	20.71	20.71
15	Vapor Sg	nodim	1.001	2.006	----	----	2.017	1.772	1.714	----	----	2.017	2.017	2.017	2.017	----	0.715	0.715	0.715	0.715	----	0.715	0.715	----	0.715	0.715	0.715
16	Vapor Dens	lb/ft3	1.252	0.147	----	----	0.148	0.140	0.124	----	----	0.148	0.148	0.148	0.148	----	3.985	3.929	3.766	3.766	----	3.766	3.766	----	0.384	0.054	0.054
18	Cp/Cv Vap	nodim	1.287	1.098	----	----	1.097	1.120	1.115	----	----	1.097	1.097	1.097	1.097	----	1.566	1.558	1.526	1.526	----	1.526	1.526	----	1.275	1.253	1.253
19	Vap Visc	cP	0.010	0.008	----	----	0.008	0.008	0.009	----	----	0.008	0.009	0.009	0.009	----	0.014	0.014	0.014	0.014	----	0.014	0.014	----	0.011	0.011	0.011
20	LHV	btu/scf	----	----	----	----	3,019	----	2,388	----	----	3,019	3,019	3,019	3,019	----	----	1,106	1,107	1,107	----	1,107	1,107	----	1,107	1,107	1,107
21	**Liquid**																										
22	Liq Mass	lb/hr	1,945	30,586	30,432	30,432	0	----	----	----	----	----	----	----	----	----	148	----	----	----	----	----	----	----	----	----	----
23	Liq Std Vap	bpd	246	2,957	2,940	2,940	0	----	----	----	----	----	----	----	----	----	17	----	----	----	----	----	----	----	----	----	----
24	Actual Liquid	gpm	7.0	88	88	88	0.0	----	----	----	----	----	----	----	----	----	0.5	----	----	----	----	----	----	----	----	----	----
26	Liquid SG@tp	nodim	0.552	0.695	0.695	0.695	0.695	----	----	----	----	----	----	----	----	----	0.576	----	----	----	----	----	----	----	----	----	----
28	Std Liq API	Nodim	129.1	67.9	67.7	67.7	67.7	----	----	----	----	----	----	----	----	----	109.4	----	----	----	----	----	----	----	----	----	----
29	Liq Mw	lb/lbmol	52.26	92.81	92.98	92.98	92.98	----	----	----	----	----	----	----	----	----	57.76	----	----	----	----	----	----	----	----	----	----
30	Liq Visc	cP	0.145	0.353	0.351	0.351	0.351	----	----	----	----	----	----	----	----	----	0.164	----	----	----	----	----	----	----	----	----	----
32	**Aqueous**																										
33	Aqueous Mass	lb/hr	0	----	----	----	----	60	----	0	----	----	----	----	----	0	2	----	----	----	----	----	----	----	----	----	----
34	Aqueous Std Vol	bpd	0.02	----	----	----	----	4	----	0.00	----	----	----	----	----	0.00	0.17	----	----	----	----	----	----	----	----	----	----
35	Actual Liquid	gpm	0.0	----	----	----	----	0.1	----	0.0	----	----	----	----	----	0.0	0.0	----	----	----	----	----	----	----	----	----	----

NOTES:

REV.	REVISION PURPOSE	BY	CHK	APP	DATE	CLIENT	DATE
A	ISSUED FOR REVIEW	SAV	KLS	KLS	02/17/14		

SEAL

STRATEGY "making plans come together"

Texas Registered Engineering Firm F-11658

SCALE:	NTS
JOB NO.:	13429
DATE:	01/27/14
DESIGNED:	K. STEWART
DRAWN BY:	S. VASQUEZ
CHECKED:	
APPROVED:	

PROCESS FLOW DIAGRAM
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