

Table 1  
GEM 5000 Field Data

Williams Pad  
Kerr-McGee Oil and Gas Onshore LP

SITE	DATE	SAMPLE TIME	SAMPLE NAME	SAMPLE CONTAINER	LAB	CH4 (%)	CO2 (%)	O2 (%)	H2S (PPM)	CO (PPM)
SVP01	7/12/21	11:02 AM	Williams 36-20 SVP01	Isotube	DIG	11.2	22.9	0.1	1	1
SVP02	7/12/21	11:09 AM				0.0	14.5	3.4	0	1
SVP03	7/12/21	11:14 AM				0.0	13.6	4.4	0	1
SVP04	7/12/21	11:18 AM	Williams 36-20 SVP04	Isotube	DIG	0.4	0.4	19.9	0	0
SVP05	7/12/21	11:24 AM	Williams 36-20 SVP05	Isotube	DIG	0.6	0.5	19.5	0	33
SVP06	7/12/21	11:28 AM				0.0	8.0	7.9	0	1
SVP07	7/12/21	11:32 AM				0.0	5.4	13.3	0	0
SVP08	7/12/21	11:34 AM				0.0	6.0	14.7	0	0
SVP09	7/12/21	11:37 AM	Williams 18-29 SVP09	Isotube	DIG	0.8	15.9	0.4	0	2
SVP10	7/12/21	11:41 AM				0.0	2.2	17.9	0	0
SVW01	8/12/21	3:45 PM				3.9	17.4	0.0	1	0
SVP01	9/10/21	11:57 AM	SVP01-0910-1157	Isotube	Isotech	0.0	7.5	11.7	1	1
SVP02	9/10/21	12:02 PM	SVP02-0910-1202	Isotube	Isotech	0.0	5.1	14.8	0	1
SVP03	9/10/21	12:13 PM	SVP03-0910-1213	Isotube	Isotech	0.0	6.0	16.1	1	2
SVP04	9/10/21	12:18 PM	SVP04-0910-1218	Isotube	Isotech	0.0	13.5	7.2	1	2
SVP05	9/10/21	12:26 PM	SVP05-0910-1218	Isotube	Isotech	0.0	16.7	2.3	1	2
SVP06	9/10/21	12:22 PM	SVP06-0910-1222	Isotube	Isotech	0.0	12.4	6.4	0	2
SVP07	9/10/21	12:30 PM	SVP07-0910-1230	Isotube	Isotech	0.0	7.7	10.2	0	2
SVP08	9/10/21	12:34 PM	SVP08-0910-1234	Isotube	Isotech	0.0	14.6	2.0	0	2
SVP09	9/10/21	12:40 PM	SVP09-0910-1240	Isotube	Isotech	0.5	12.0	4.7	0	2
SVP10	9/10/21	12:44 PM	SVP10-0910-1144	Isotube	Isotech	0.0	8.6	9.6	0	1
SVP11	9/10/21	12:49 PM	SVP11-0910-1249	Isotube	Isotech	0.0	13.2	5.2	0	2
SVP12	9/10/21	12:53 PM	SVP12-0910-1353	Isotube	Isotech	0.0	6.9	12.8	0	3
SVP13	9/10/21	12:57 PM	SVP13-1910-1357	Isotube	Isotech	0.0	3.1	16.4	1	3
SVP14	9/10/21	1:05 PM	SVP14-0910-1305	Isotube	Isotech	0.0	6.8	15.0	0	3
SVP15	9/10/21	1:10 PM	SVP15-1910-1310	Isotube	Isotech	0.0	13.1	9.5	1	3
SVP16	9/10/21	1:14 PM	SVP16-1910-1314	Isotube	Isotech	0.0	5.7	16.8	1	4
SVP17	9/10/21	1:19 PM	SVP17-1910-1319	Isotube	Isotech	0.0	1.7	19.7	1	4
SVP18	9/10/21	1:23 PM	SVP18-1910-1323	Isotube	Isotech	0.0	4.3	14.6	1	3
SVP19	9/10/21	1:27 PM	SVP19-0910-1327	Isotube	Isotech	0.0	5.5	16.5	0	4
SVP20	9/10/21	1:31 PM	SVP20-1910-1331	Isotube	Isotech	0.0	9.4	10.9	1	5
SVP21	9/10/21	1:36 PM	SVP21-0910-1336	Isotube	Isotech	0.0	4.7	17.6	0	3
SVP22	9/10/21	1:40 PM	SVP22-1910-1340	Isotube	Isotech	0.0	0.5	22.4	1	4
SVP23	9/10/21	1:44 PM	SVP23-1910-1344	Isotube	Isotech	0.0	7.5	13.0	1	4
SVP24	9/10/21	1:50 PM	SVP24-0910-1350	Isotube	Isotech	0.0	4.7	17.0	0	3
SVP25	9/10/21	1:55 PM	SVP25-0910-1355	Isotube	Isotech	0.0	3.6	18.7	0	3
SVP26	9/10/21	2:00 PM	SVP26-1910-1400	Isotube	Isotech	0.0	14.3	7.1	1	4
SVW01	9/10/21	2:23 PM	SVW01-0910-1423	Isotube	Isotech	0.8	17.2	0.2	0	3
SVW02	9/10/21	2:14 PM	SVW02-0910-1414	Isotube	Isotech	0.0	2.9	17.7	0	1
SVP03	9/20/21	10:44 AM				0.0	5.7	16.1	0	0
SVP02	9/20/21	10:46 AM				0.0	4.8	15.8	0	0
SVP01	9/20/21	10:51 AM				0.0	8.1	12.4	0	1
SVP04	9/20/21	10:54 AM				0.0	12.9	7.5	0	1
SVP05	9/20/21	10:56 AM				0.0	17.6	0.7	0	1
SVP06	9/20/21	11:01 AM				0.0	12.3	6.9	0	1
SVP07	9/20/21	11:03 AM				0.0	7.5	11.7	0	1
SVP08	9/20/21	11:05 AM				0.0	14.1	3.1	0	1
SVP09	9/20/21	11:07 AM				0.0	11.0	5.2	0	0
SVW01	9/20/21	11:17 AM				0.6	16.6	0.0	0	1
SVP10	9/20/21	11:19 AM				0.0	7.8	10.9	0	0
SVP11	9/20/21	11:20 AM				0.0	12.1	6.8	0	1
SVP12	9/20/21	11:22 AM				0.0	6.9	13.0	0	0

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SITE	DATE	SAMPLE TIME	SAMPLE NAME	SAMPLE CONTAINER	LAB	CH4 (%)	CO2 (%)	O2 (%)	H2S (PPM)	CO (PPM)
SVP13	9/20/21	11:24 AM				0.0	3.3	15.8	0	0
SVP14	9/20/21	11:26 AM				0.0	6.8	14.1	0	1
SVP15	9/20/21	11:28 AM				0.0	12.5	9.5	0	1
SVP16	9/20/21	11:31 AM				0.0	4.8	16.9	0	1
SVP17	9/20/21	11:34 AM				0.0	1.7	18.5	0	0
SVW02	9/20/21	11:52 AM				0.0	3.4	16.0	0	0
SVP18	9/20/21	11:54 AM				0.0	4.2	13.6	0	2
SVP19	9/20/21	11:56 AM				0.0	5.2	15.5	0	1
SVP20	9/20/21	11:58 AM				0.0	9.4	10.4	0	0
SVP21	9/20/21	12:01 PM				0.0	3.5	16.9	0	0
SVP22	9/20/21	12:04 PM				0.0	0.4	19.5	0	0
SVP23	9/20/21	12:06 PM				0.0	7.8	12.6	0	1
SVP24	9/20/21	12:11 PM				0.0	5.5	14.3	0	0
SVP25	9/20/21	12:12 PM				0.0	2.8	17.1	0	1
SVP26	9/20/21	12:09 PM				0.0	13.8	6.4	0	0
SVE02	11/12/21	10:36 AM	SVE02-1112-1036	Isotube	Isotech	0.0	16.5	3.0	0	0
SVE05	11/12/21	10:47 AM	SVE05-1112-1047	Isotube	Isotech	0.0	6.9	14.3	0	0
SVE12	11/12/21	11:04 AM	SVE12-1112-1104	Isotube	Isotech	0.7	5.6	11.2	0	1
SVE03	11/12/21	11:20 AM	SVE03-1112-1120	Isotube	Isotech	0.0	9.8	7.4	0	67
SVE04	11/12/21	11:32 AM	SVE04-1112-1132	Isotube	Isotech	0.0	13.4	2.5	0	1
SVE06	11/12/21	11:40 AM	SVE06-1112-1140	Isotube	Isotech	0.0	9.4	7.7	0	0
SVE07	11/12/21	11:54 AM	SVE07-1112-1154	Isotube	Isotech	0.0	13.4	0.3	0	2
SVE11	11/12/21	12:05 PM	SVE11-1112-1205	Isotube	Isotech	0.0	11.9	0.0	0	0
SVE10	11/12/21	12:20 PM	SVE10-1112-1220	Isotube	Isotech	0.0	5.1	16.5	0	0
SVE08	11/12/21	12:54 PM	SVE08-1112-1254	Isotube	Isotech	0.0	9.0	10.3	0	0
SVE09	11/12/21	1:06 PM	SVE09-1112-1306	Isotube	Isotech	0.0	6.0	15.0	0	0
SVE15	11/12/21	1:18 PM	SVE15-1112-1318	Isotube	Isotech	0.1	3.5	18.0	0	0
SVE14	11/12/21	1:32 PM	SVE14-1112-1332	Isotube	Isotech	0.0	4.1	17.9	0	0
SVE01	3/14/22	1:31 PM	SVE01-0314-1318	Isotube	Isotech	0.0	1.1	17.6	0	0
SVE02	3/14/22	11:49 AM	SVE02-0314-1149	Isotube	Isotech	0.0	9.4	5.4	0	0
SVE03	3/14/22	1:59 PM	SVE03-0314-1359	Isotube	Isotech	0.0	6.7	7.5	0	0
SVE04	3/14/22	12:15 PM	SVE04-0314-1215	Isotube	Isotech	0.0	9.6	0.7	0	0
SVE05	3/14/22	11:36 AM	SVE05-0314-1136	Isotube	Isotech	0.0	2.4	16.0	0	0
SVE06	3/14/22	12:28 PM	SVE06-0314-1228	Isotube	Isotech	0.0	2.5	14.0	0	0
SVE07	3/14/22	12:40 PM	SVE07-0314-1240	Isotube	Isotech	0.0	6.7	4.5	0	0
SVE08	3/15/22	1:08 PM	SVE08-0315-1308	Isotube	Isotech	0.0	4.2	14.3	0	0
SVE09	3/15/22	1:18 PM	SVE09-0315-1318	Isotube	Isotech	0.0	2.6	16.9	0	0
SVE10	3/15/22	12:57 PM	SVE10-0315-1257	Isotube	Isotech	0.0	2.4	15.3	0	0
SVE11	3/14/22	12:52 PM	SVE11-0314-1252	Isotube	Isotech	0.0	7.5	0.0	0	0
SVE12	3/14/22	12:02 PM	SVE12-0314-1202	Isotube	Isotech	0.0	5.6	6.0	0	0
SVE13	3/15/22	1:49 PM	SVE13-0315-1349	Isotube	Isotech	0.0	1.6	18.5	0	0
SVE14	3/15/22	1:38 PM	SVE14-0315-1338	Isotube	Isotech	0.0	1.9	17.0	0	0
SVE15	3/15/22	1:28 PM	SVE15-0315-1328	Isotube	Isotech	0.0	1.8	17.6	0	0
SVE16	3/14/22	1:17 PM	SVE16-0314-1317	Isotube	Isotech	0.0	1.9	17.2	0	0
SVE17	3/14/22	1:03 PM	SVE17-0314-1303	Isotube	Isotech	0.0	0.8	18.4	0	0
SVE01	5/11/22	11:30 AM	SVE01-0511-1130	Isotube	Isotech	0.0	2.7	14.7	0	0
SVE02	5/11/22	11:37 AM	SVE02-0511-1137	Isotube	Isotech	0.0	6.9	9.0	0	0
SVE03	5/11/22	11:45 AM	SVE03-0511-1145	Isotube	Isotech	0.0	7.6	6.5	0	0
SVE04	5/11/22	11:52 AM	SVE04-0511-1152	Isotube	Isotech	0.0	13.5	0.0	0	0
SVE05	5/11/22	12:00 PM	SVE05-0511-1200	Isotube	Isotech	0.0	3.5	15.6	0	0
SVE06	5/11/22	12:08 PM	SVE06-0511-1208	Isotube	Isotech	0.0	8.2	6.2	0	0
SVE07	5/11/22	12:15 PM	SVE07-0511-1215	Isotube	Isotech	0.0	13.3	0.0	0	0

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SITE	DATE	SAMPLE TIME	SAMPLE NAME	SAMPLE CONTAINER	LAB	CH4 (%)	CO2 (%)	O2 (%)	H2S (PPM)	CO (PPM)
SVE08	5/11/22	12:25 PM	SVE08-0511-1225	Isotube	Isotech	0.0	6.9	10.6	0	0
SVE09	5/11/22	12:34 PM	SVE09-0511-1334	Isotube	Isotech	0.0	3.7	15.6	0	0
SVE10	5/11/22	12:44 PM	SVE10-0511-1244	Isotube	Isotech	0.0	3.6	13.7	0	0
SVE11	5/11/22	12:52 PM	SVE11-0511-1252	Isotube	Isotech	0.0	11.1	0.0	0	0
SVE12	5/11/22	1:00 PM	SVE12-0511-1300	Isotube	Isotech	0.0	11.0	0.0	0	0
SVE13	5/11/22	1:07 PM	SVE13-0511-1307	Isotube	Isotech	0.0	2.6	17.1	0	0
SVE14	5/11/22	1:15 PM	SVE14-0511-1315	Isotube	Isotech	0.0	3.6	15.3	0	0
SVE15	5/11/22	1:22 PM	SVE15-0511-1322	Isotube	Isotech	0.0	3.0	16.2	0	0
SVE16	5/11/22	1:30 PM	SVE16-0511-1330	Isotube	Isotech	0.0	3.0	15.3	0	0
SVE17	5/11/22	1:37 PM	SVE17-0511-1337	Isotube	Isotech	0.0	1.9	15.8	0	0