



Surface Cumulative Flow Rates

Name	Interval	Gas ft3/D	Oil bbl/D	Water bbl/D
Plnt AP1	4806.0 - 4815.5	-102741.0	-3.2	-3.2
Plnt AP2	4819.5 - 4895.5	-871437.3	-2.7	-2.1
Plnt AP3	4912.5 - 4919.5	1358755.0	4.3	0.0
Plnt AP4	4926.5 - 4930.5	1291415.0	4.1	0.0
Plnt AP5	4938.5 - 4944.5	1161939.0	3.7	0.0
Plnt AP6	4955.5 - 4961.5	1109204.0	3.6	0.0
Plnt AP7	4970.5 - 4981.5	1027896.0	3.3	0.0
Plnt AP8	4990.5 - 4995.5	925812.3	3.0	0.0
Plnt AP9	5004.5 - 5019.5	800895.8	2.6	0.0
Plnt AP10	5036.5 - 5054.5	486195.1	1.6	0.0
Plnt AP11	5075.5 - 5089.5	0.0	0.0	0.0
Plnt BP11	5100.5 - 5104.0	0.0	0.0	0.0

Downhole Cumulative Flow Rates

Name	Interval	Gas ft3/D	Oil bbl/D	Water bbl/D
Plnt AP1	4806.0 - 4815.5	-5476.1	-3.9	-3.3
Plnt AP2	4819.5 - 4895.5	-4644.8	-3.3	-2.1
Plnt AP3	4912.5 - 4919.5	7242.2	5.3	0.0
Plnt AP4	4926.5 - 4930.5	6883.2	5.0	0.0
Plnt AP5	4938.5 - 4944.5	6193.1	4.5	0.0
Plnt AP6	4955.5 - 4961.5	5912.7	4.3	0.0
Plnt AP7	4970.5 - 4981.5	5478.7	4.0	0.0
Plnt AP8	4990.5 - 4995.5	4934.6	3.6	0.0
Plnt AP9	5004.5 - 5019.5	4268.8	3.1	0.0
Plnt AP10	5036.5 - 5054.5	2591.4	1.9	0.0
Plnt AP11	5075.5 - 5089.5	0.0	0.0	0.0
Plnt BP11	5100.5 - 5104.0	0.0	0.0	0.0

Percentage Cumulative Flow Rates

Name	Interval	Gas %	Oil %	Water %
Plnt AP1	4806.0 - 4815.5	100.0	100.0	100.0
Plnt AP2	4819.5 - 4895.5	84.8	84.8	63.2
Plnt AP3	4912.5 - 4919.5	-132.3	-134.0	0.0
Plnt AP4	4926.5 - 4930.5	-125.7	-127.6	0.0
Plnt AP5	4938.5 - 4944.5	-113.1	-114.8	0.0
Plnt AP6	4955.5 - 4961.5	-108.0	-109.8	0.0
Plnt AP7	4970.5 - 4981.5	-100.0	-101.9	0.0
Plnt AP8	4990.5 - 4995.5	-90.1	-91.9	0.0
Plnt AP9	5004.5 - 5019.5	-78.0	-79.8	0.0
Plnt AP10	5036.5 - 5054.5	-47.3	-48.3	0.0
Plnt AP11	5075.5 - 5089.5	0.0	0.0	0.0
Plnt BP11	5100.5 - 5104.0	0.0	0.0	0.0

Surface Differential Flow Rates

Perf. Name	Interval	Gas ft3/D	Oil bbl/D	Water bbl/D
Perf. 1	4816.0 - 4819.0	-155973.4	-7.5	-1.2
Perf. 2	4896.0 - 4912.0	-2230193.0	-8.6	-2.1
Perf. 3	4920.0 - 4926.0	67340.4	0.2	0.0
Perf. 4	4931.0 - 4938.0	129476.2	0.4	0.0
Perf. 5	4945.0 - 4955.0	52735	0.2	0.0
Perf. 6	4962.0 - 4970.0	81307.3	0.3	0.0
Perf. 7	4982.0 - 4990.0	102084.1	0.3	0.0
Perf. 8	4996.0 - 5004.0	124916.5	0.4	0.0
Perf. 9	5020.0 - 5036.0	314700.7	1.0	0.0
Perf. 10	5055.0 - 5075.0	486195.1	1.6	0.0
Perf. 11	5090.0 - 5100.0	0.0	0.0	0.0

Downhole Differential Flow Rates

Perf. Name	Interval	Gas ft3/D	Oil bbl/D	Water bbl/D
Perf. 1	4816.0 - 4819.0	-831.3	-0.6	-1.2
Perf. 2	4896.0 - 4912.0	-11886.9	-8.6	-2.1
Perf. 3	4920.0 - 4926.0	358.9	0.3	0.0
Perf. 4	4931.0 - 4938.0	690.1	0.5	0.0
Perf. 5	4945.0 - 4955.0	281.1	0.2	0.0
Perf. 6	4962.0 - 4970.0	433.4	0.3	0.0
Perf. 7	4982.0 - 4990.0	544.1	0.4	0.0
Perf. 8	4996.0 - 5004.0	665.8	0.5	0.0
Perf. 9	5020.0 - 5036.0	1677.4	1.2	0.0
Perf. 10	5055.0 - 5075.0	2591.4	1.9	0.0
Perf. 11	5090.0 - 5100.0	0.0	0.0	0.0

Percentage Differential Flow Rates

Perf. Name	Interval	Gas %	Oil %	Water %
Perf. 1	4816.0 - 4819.0	15.2	15.2	36.8
Perf. 2	4896.0 - 4912.0	217.1	218.9	63.2
Perf. 3	4920.0 - 4926.0	-6.6	-6.4	0.0
Perf. 4	4931.0 - 4938.0	-12.6	-12.8	0.0
Perf. 5	4945.0 - 4955.0	-5.1	-5.0	0.0
Perf. 6	4962.0 - 4970.0	-7.9	-7.9	0.0
Perf. 7	4982.0 - 4990.0	-9.9	-10.0	0.0
Perf. 8	4996.0 - 5004.0	-12.2	-12.1	0.0
Perf. 9	5020.0 - 5036.0	-30.6	-31.4	0.0
Perf. 10	5055.0 - 5075.0	-47.3	-48.3	0.0
Perf. 11	5090.0 - 5100.0	0.0	0.0	0.0

