

## Header

UWI:	02/08-07-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100040504707W500
Mode:	Pumping	Bottom Hole Location:	102080704707W500
Status:	PUMPING OIL	Surface Hole Coord:	N173.5 E198.2 m
		Bottom Hole Coord:	N604.4 W131.4 m
License		Surface Hole Latitude:	53.019874
Well Name:	BONTERRA 102 HZ PEMBINA 8-7-47-7	Surface Hole Longitude:	-114.997104
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.037751
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-115.002385
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0505193	Dates	
Province/State:	Alberta	License Date:	2022-07-27
Confidential:	Non-Confidential	Spud Date:	2022-09-15
Lahee:	DEVELOPMENT	Final Drill Date:	2022-09-21
Rig Type:	Horizontal	Rig Release Date:	2022-09-22
Well Type:	Horizontal	Completion Date:	2022-11-04
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2022-11-06
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2022-11-04
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-03-18
Producing Formation:	CARD		
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	900.7 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	896.0 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3600.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1608.1 m
		Total True Vertical Depth:	1595.0 m
Play		Total Depth:	3539.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1876.0 m
		Target Depth:	
		Lateral Length:	1663.0 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2022-07-27	00720000	LICENSED
2	2022-09-15	00730000	SPUDDED
3	2022-09-21	00740000	FINISHED DRILLING
4	2022-11-04	01110000	PUMPING OIL

System Tops (KB Elevation: 900.7 m) - No data

User Tops (KB Elevation: 900.7 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2022-10-22	TREATMENT	1902.2	3499.3	0	FRACTURED	
1	2022-10-21	TREATMENT	3498.7	3499.3	0	FRACTURED	
2	2022-10-21	TREATMENT	3451.5	3452.1	0	FRACTURED	
3	2022-10-21	TREATMENT	3404.3	3404.9	0	FRACTURED	
4	2022-10-21	TREATMENT	3357.7	3358.3	0	FRACTURED	
5	2022-10-21	TREATMENT	3311.1	3311.7	0	FRACTURED	
6	2022-10-21	TREATMENT	3264.2	3264.9	0	FRACTURED	
7	2022-10-21	TREATMENT	3217.7	3218.4	0	FRACTURED	
8	2022-10-21	TREATMENT	3171.1	3171.8	0	FRACTURED	
9	2022-10-21	TREATMENT	3124.3	3125.0	0	FRACTURED	
10	2022-10-21	TREATMENT	3077.6	3078.2	0	FRACTURED	
11	2022-10-21	TREATMENT	3030.9	3031.5	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
12	2022-10-21	TREATMENT	2984.1	2984.7	0	FRACTURED	
13	2022-10-21	TREATMENT	2937.2	2937.8	0	FRACTURED	
14	2022-10-21	TREATMENT	2890.1	2890.7	0	FRACTURED	
15	2022-10-21	TREATMENT	2842.9	2843.6	0	FRACTURED	
16	2022-10-21	TREATMENT	2795.8	2796.4	0	FRACTURED	
17	2022-10-21	TREATMENT	2748.6	2749.3	0	FRACTURED	
18	2022-10-21	TREATMENT	2701.7	2702.3	0	FRACTURED	
19	2022-10-21	TREATMENT	2654.6	2655.2	0	FRACTURED	
20	2022-10-21	TREATMENT	2607.4	2608.0	0	FRACTURED	
21	2022-10-21	TREATMENT	2560.2	2560.8	0	FRACTURED	
22	2022-10-21	TREATMENT	2513.4	2514.0	0	FRACTURED	
23	2022-10-21	TREATMENT	2466.2	2466.8	0	FRACTURED	
24	2022-10-21	TREATMENT	2419.0	2419.7	0	FRACTURED	
25	2022-10-21	TREATMENT	2371.8	2372.5	0	FRACTURED	
26	2022-10-21	TREATMENT	2324.6	2325.3	0	FRACTURED	
27	2022-10-21	TREATMENT	2277.5	2278.1	0	FRACTURED	
28	2022-10-21	TREATMENT	2230.3	2230.9	0	FRACTURED	
29	2022-10-21	TREATMENT	2183.1	2183.7	0	FRACTURED	
30	2022-10-21	TREATMENT	2136.0	2136.7	0	FRACTURED	
31	2022-10-21	TREATMENT	2089.1	2089.7	0	FRACTURED	
32	2022-10-22	TREATMENT	2042.2	2042.8	0	FRACTURED	
33	2022-10-22	TREATMENT	1995.5	1996.1	0	FRACTURED	
34	2022-10-22	TREATMENT	1948.9	1949.5	0	FRACTURED	
35	2022-10-22	TREATMENT	1902.2	1902.8	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		529.0		529.0	177.800		
2	Production		3539.0		3539.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	25.3
2	Production	P	110	17.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.0	tonne	Class G Neat		0
2	1	Production	11.0	tonne	Light Weight		0
2	2	Production	27.0	tonne	Class G Neat		0

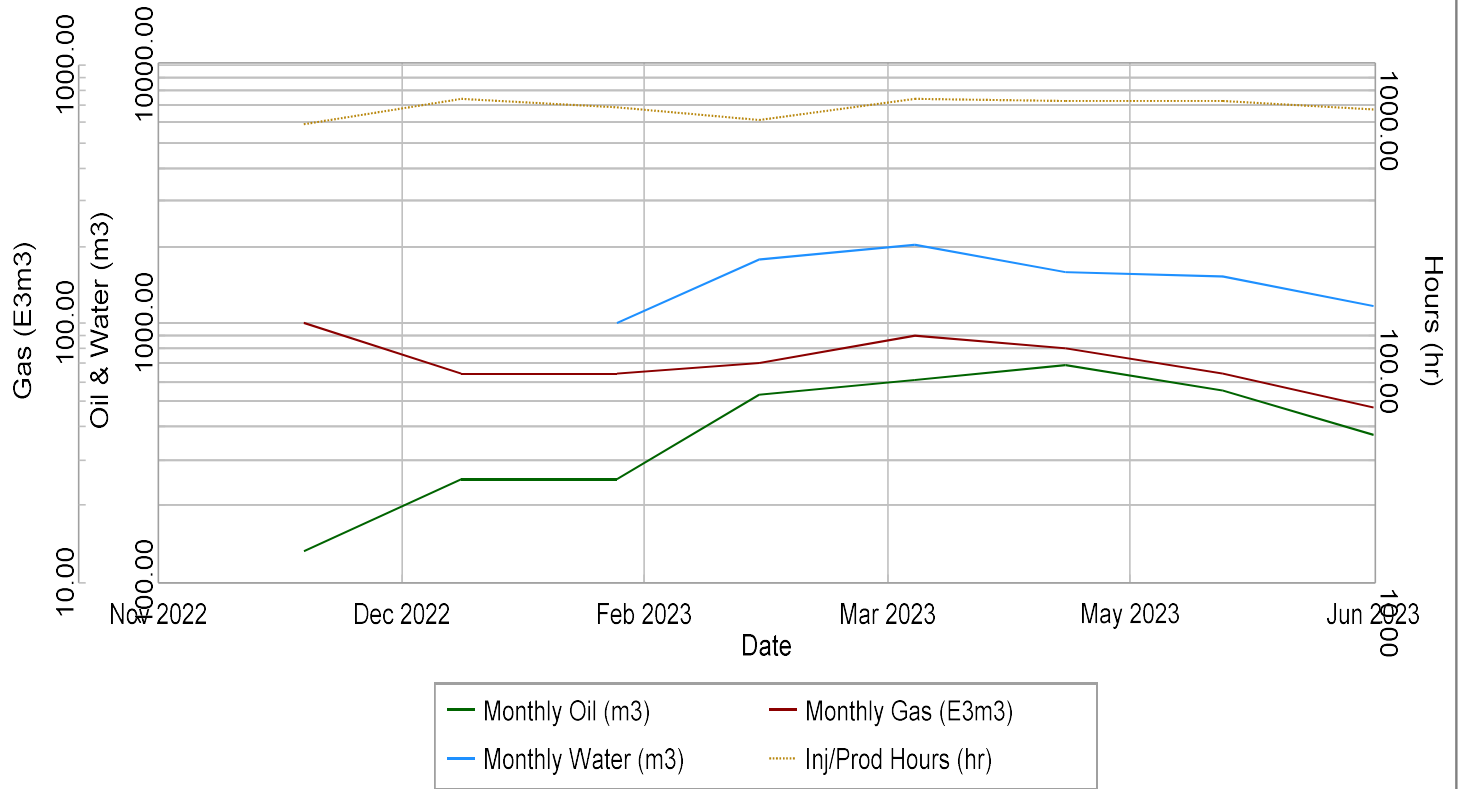
## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2022-11-06	Producing Hours:	1405 hr
Oil + Cond (3 Mo):	932.50 m3	GOR:	119.25 m3/m3
Gas (3 Mo):	111.20 E3m3	WGR:	24.08 m3/E3m3
Water (3 Mo):	2,677.90 m3	WCT%:	74.2 %
Oil + Cond/Day:	15.93 m3/d	Gas/Day:	1.90 E3m3/d

## Production Graph

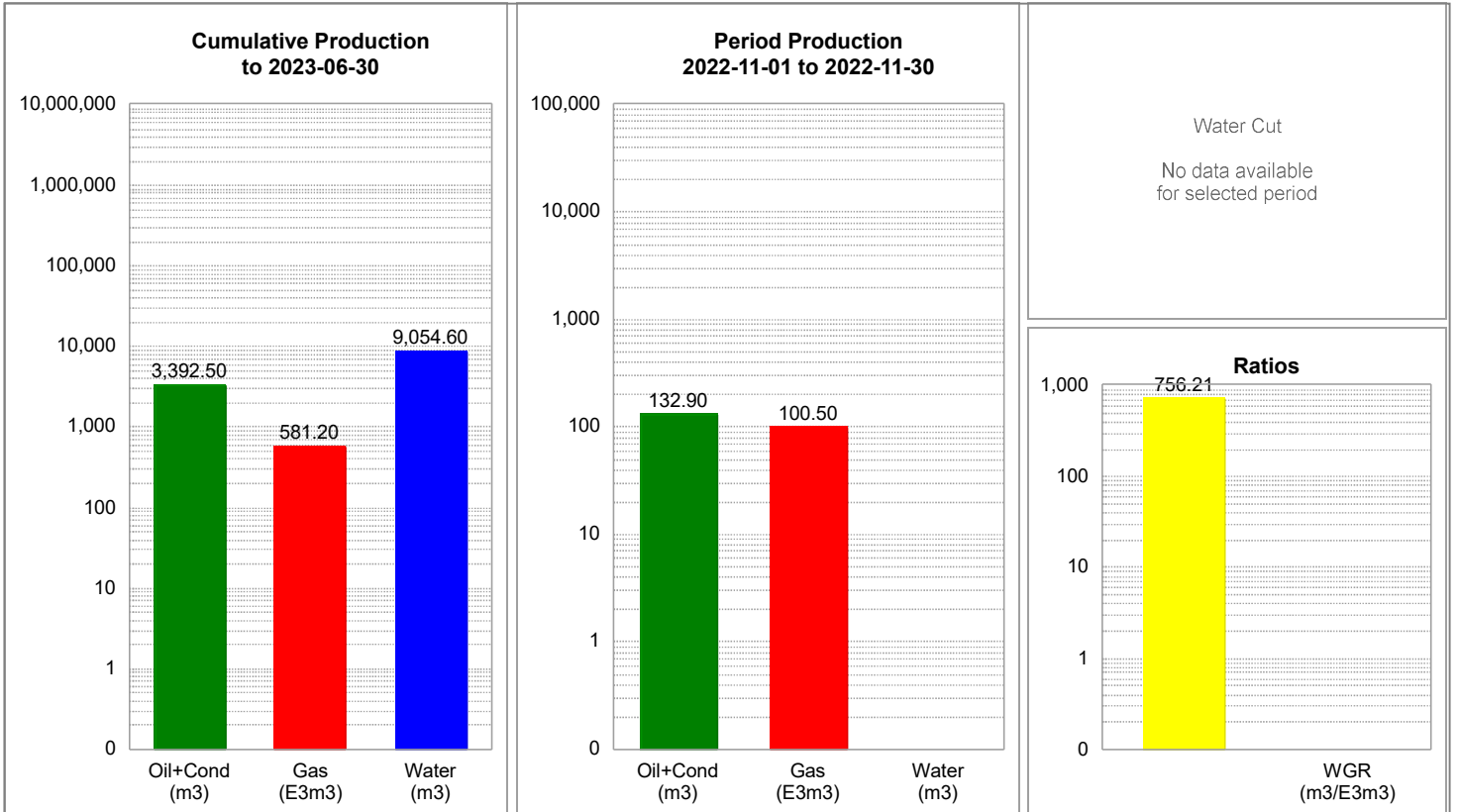
UWI:	02/08-07-047-07W5/00	On Prod:	2022-11-06	Cum Oil:	3392.5 m3
Well Name:	BONTERRA 102 HZ PEMBINA 8-7-47-7	Prod Form:	CARD	Cum Gas:	581.2 E3m3
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	9054.6 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3
Status:	PUMPING OIL	Battery:	6850024	Cum Inj Gas:	0.0 E3m3
				Cum Inj Wtr:	0.0 m3



## Production Summary

UWI: 02/08-07-047-07W5/00  
Prod Form: CARD  
On Prod Date: 2022-11-06

Hours: 588  
Oil+Cond Rate: 5.42 m3/d  
Gas Rate: 4.10 E3m3/d



## Header

UWI:	02/05-05-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100040404707W500
Mode:	Pumping	Bottom Hole Location:	102050504707W500
Status:	PUMPING OIL	Surface Hole Coord:	N230.9 E200.6 m
		Bottom Hole Coord:	N612.1 E106.4 m
License		Surface Hole Latitude:	53.020377
Well Name:	BONTERRA HZ 102 PEMBINA 5-5-47-7	Surface Hole Longitude:	-114.972675
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.023817
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.998496
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0498190	Dates	
Province/State:	Alberta	License Date:	2020-07-23
Confidential:	Non-Confidential	Spud Date:	2020-10-19
Lahee:	DEVELOPMENT	Final Drill Date:	2020-10-24
Rig Type:	Horizontal	Rig Release Date:	2020-10-25
Well Type:	Horizontal	Completion Date:	2020-12-04
License Type:		Days Drilled:	6
Well Event Type:	Parent	On Production Date:	2020-12-09
Purpose:		On Injection Date:	
Well Objective:		Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2020-12-04
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2021-06-19
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	886.3 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	881.5 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	
Drilling Rig Number:	1	Max True Vertical Depth:	1591.2 m
		Total True Vertical Depth:	1588.9 m
Play		Total Depth:	3244.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1448.8 m
		Related Data	
		Has Digital Logs:	No
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2020-07-23	00720000	LICENSED
2	2020-10-19	00730000	SPUDDED
3	2020-10-24	00740000	FINISHED DRILLING
4	2020-10-25	00750000	RIG RELEASED
5	2020-10-24	00070000	DRILLED AND CASED
6	2020-12-04	01110000	PUMPING OIL

## System Tops (KB Elevation: 886.3 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	993.7	993.9	-107.4	257.9	
LEAPRK	1251.6	1254.4	-365.3	133.1	
COLRAD	1384.7	1405.1	-498.4	166.2	
CARD	1550.9	1715.0	-664.6	21.9	
CARDSD	1572.8	1766.4	-686.5		

Total TVD:	1588.9 m	Projected Formation:	CARDIUM
Total Depth:	3244.0 m	Projected Total Depth:	

User Tops (KB Elevation: 886.3 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2020-11-21	TREATMENT	1862.2	3215.3	0	FRACTURED	
1	2020-11-20	TREATMENT	3214.3	3215.3	0	FRACTURED	
2	2020-11-20	TREATMENT	3172.6	3173.6	0	FRACTURED	
3	2020-11-20	TREATMENT	3117.4	3118.4	0	FRACTURED	
4	2020-11-20	TREATMENT	3075.9	3076.8	0	FRACTURED	
5	2020-11-20	TREATMENT	3020.8	3021.8	0	FRACTURED	
6	2020-11-20	TREATMENT	2979.3	2980.3	0	FRACTURED	
7	2020-11-20	TREATMENT	2924.2	2925.1	0	FRACTURED	
8	2020-11-20	TREATMENT	2882.7	2883.6	0	FRACTURED	
9	2020-11-20	TREATMENT	2827.6	2828.5	0	FRACTURED	
10	2020-11-20	TREATMENT	2786.0	2787.0	0	FRACTURED	
11	2020-11-20	TREATMENT	2634.4	2635.3	0	FRACTURED	
12	2020-11-20	TREATMENT	2592.8	2593.7	0	FRACTURED	
13	2020-11-20	TREATMENT	2537.6	2538.5	0	FRACTURED	
14	2020-11-20	TREATMENT	2496.1	2497.0	0	FRACTURED	
15	2020-11-20	TREATMENT	2440.9	2441.9	0	FRACTURED	
16	2020-11-20	TREATMENT	2399.7	2400.6	0	FRACTURED	
17	2020-11-21	TREATMENT	2345.8	2346.8	0	FRACTURED	
18	2020-11-21	TREATMENT	2305.2	2306.2	0	FRACTURED	
19	2020-11-21	TREATMENT	2251.4	2252.3	0	FRACTURED	
20	2020-11-21	TREATMENT	2210.7	2211.7	0	FRACTURED	
21	2020-11-21	TREATMENT	2156.9	2157.8	0	FRACTURED	
22	2020-11-21	TREATMENT	2116.3	2117.3	0	FRACTURED	
23	2020-11-21	TREATMENT	2062.4	2063.4	0	FRACTURED	
24	2020-11-21	TREATMENT	2021.8	2022.8	0	FRACTURED	
25	2020-11-21	TREATMENT	1862.2	1863.2	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		512.0		512.0	177.800		
2	Production		3244.0	CARDSD	3244.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	16.0	tonne	Class G Neat		0
2	1	Production	11.5	tonne	Light Weight		0
2	2	Production	20.5	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY

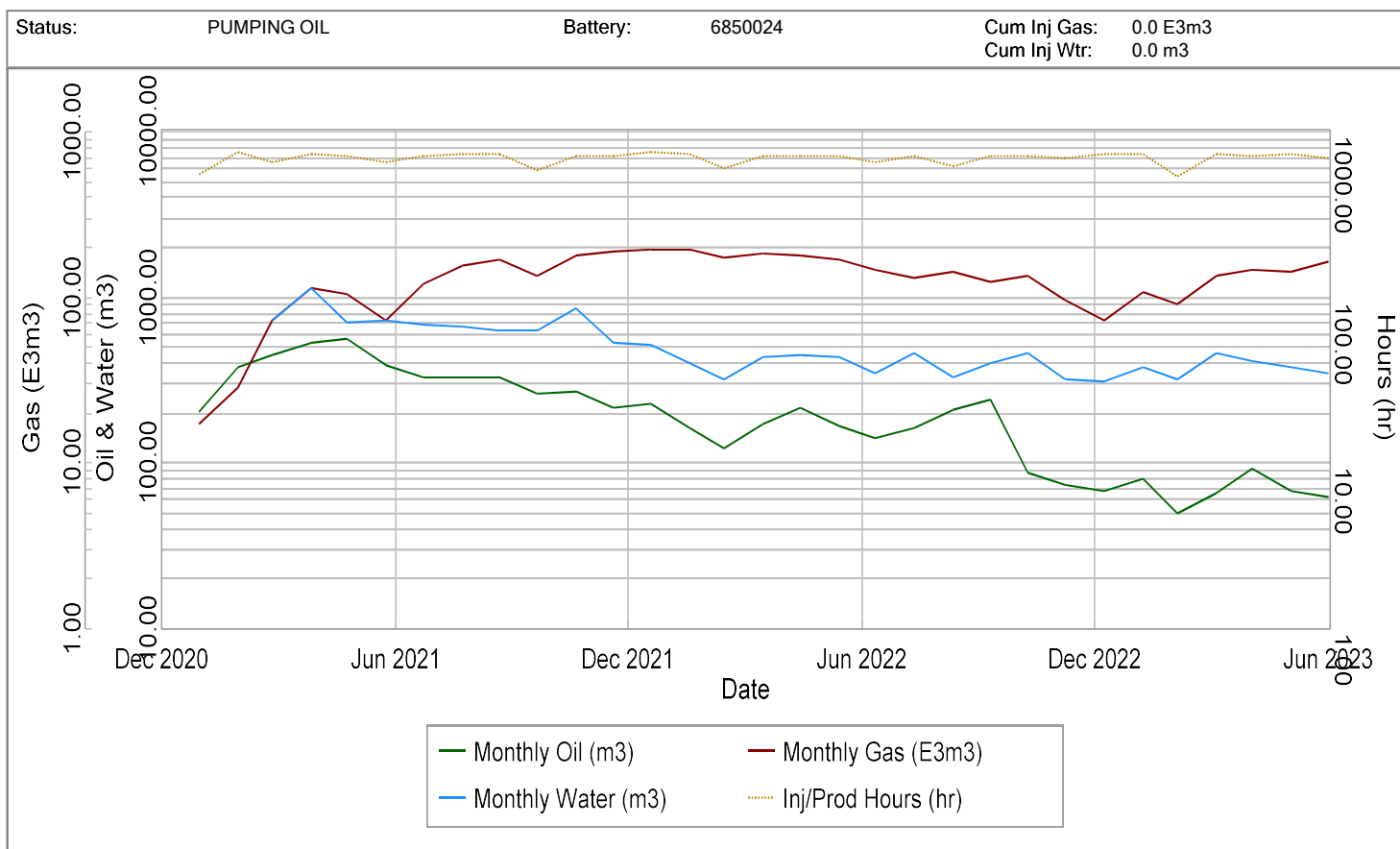
## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2020-12-09	Producing Hours:	1429 hr
Oil + Cond (3 Mo):	130.20 m3	GOR:	2,387.10 m3/m3
Gas (3 Mo):	310.80 E3m3	WGR:	2.36 m3/E3m3
Water (3 Mo):	732.40 m3	WCT%:	84.9 %
Oil + Cond/Day:	2.19 m3/d	Gas/Day:	5.22 E3m3/d
		Cum Oil + Cond:	6,751.70 m3
		Cum Gas:	4,095.20 E3m3
		Cum Water:	14,814.00 m3

## Production Graph

UWI:	02/05-05-047-07W5/00	On Prod:	2020-12-09	Cum Oil:	6751.7 m3
Well Name:	BONTERRA HZ 102 PEMBINA	Prod Form:	CARDSD	Cum Gas:	4095.2 E3m3
	5-5-47-7				
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	14814.0 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3

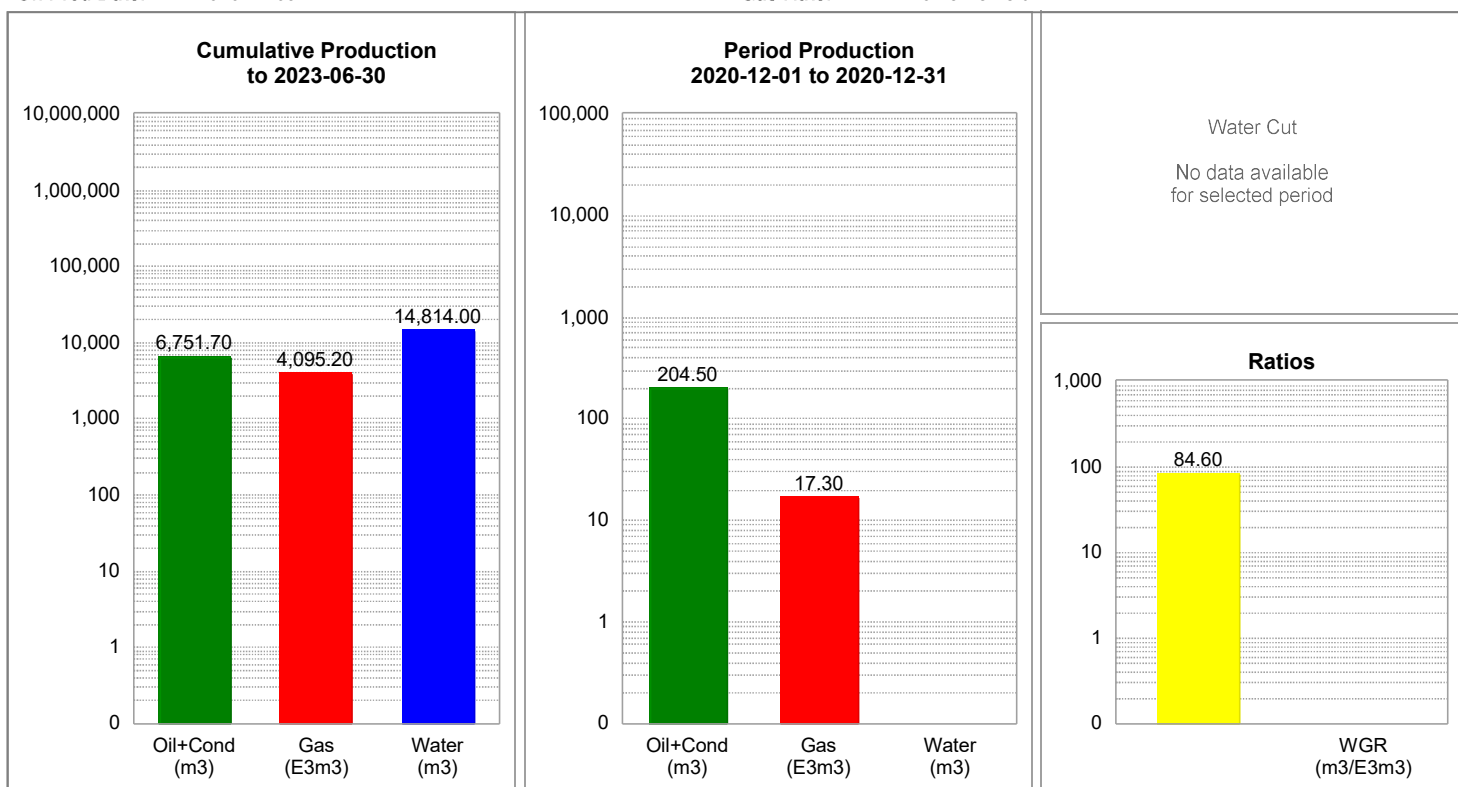
## Production Graph - Continued



## Production Summary

UWI: 02/05-05-047-07W5/00  
Prod Form: CARSDSD  
On Prod Date: 2020-12-09

Hours: 552  
Oil+Cond Rate: 8.89 m3/d  
Gas Rate: 0.75 E3m3/d



## Header

UWI:	02/05-16-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100051004707W500
Mode:	Pumping	Bottom Hole Location:	102051604707W500
Status:	PUMPING OIL	Surface Hole Coord:	N561.8 E214.8 m
		Bottom Hole Coord:	N507.9 E101.5 m
License		Surface Hole Latitude:	53.037396
Well Name:	BONTERRA 102 HZ PEMBINA 5-16-47-7	Surface Hole Longitude:	-114.948170
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.051554
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.974163
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0487619	Dates	
Province/State:	Alberta	License Date:	2018-01-11
Confidential:	Non-Confidential	Spud Date:	2018-02-28
Lahee:	DEVELOPMENT	Final Drill Date:	2018-03-07
Rig Type:	Horizontal	Rig Release Date:	2018-03-09
Well Type:	Horizontal	Completion Date:	2018-04-07
License Type:	Production	Days Drilled:	9
Well Event Type:	Parent	On Production Date:	2018-04-09
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2018-04-07
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2019-02-16
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	890.4 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	885.4 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	4050.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1574.1 m
		Total True Vertical Depth:	1569.2 m
Play		Total Depth:	3859.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	2145.6 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2018-01-11	00720000	LICENSED
2	2018-02-28	00730000	SPUDDED
3	2018-03-07	00740000	FINISHED DRILLING
4	2018-03-09	00750000	RIG RELEASED
5	2018-03-07	00070000	DRILLED AND CASED
6	2018-04-07	01110000	PUMPING OIL

## System Tops (KB Elevation: 890.4 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	919.9	922.1	-29.5	323.1	
LEAPRK	1243.0	1247.6	-352.6	130.4	
COLRAD	1373.4	1379.7	-483.0	161.3	
CARD	1534.7	1604.9	-644.3	23.2	
CARDSD	1557.9	1658.9	-667.5		

Total TVD:	1569.2 m	Projected Formation:	CARDIUM
Total Depth:	3859.0 m	Projected Total Depth:	4050.0 m

User Tops (KB Elevation: 890.4 m) - No data

DSTs and IPs - No data

Cores - No data



## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2018-03-22	TREATMENT	1732.6	3842.3	0	FRACTURED	
1	2018-03-18	TREATMENT	3841.7	3842.3	0	FRACTURED	
2	2018-03-18	TREATMENT	3815.6	3817.5	0	FRACTURED	
3	2018-03-18	TREATMENT	3788.2	3790.1	0	FRACTURED	
4	2018-03-18	TREATMENT	3761.1	3763.1	0	FRACTURED	
5	2018-03-18	TREATMENT	3733.4	3735.4	0	FRACTURED	
6	2018-03-18	TREATMENT	3706.1	3708.0	0	FRACTURED	
7	2018-03-18	TREATMENT	3678.4	3680.4	0	FRACTURED	
8	2018-03-18	TREATMENT	3650.7	3652.6	0	FRACTURED	
9	2018-03-18	TREATMENT	3623.0	3625.0	0	FRACTURED	
10	2018-03-18	TREATMENT	3514.8	3516.7	0	FRACTURED	
11	2018-03-19	TREATMENT	3486.8	3488.8	0	FRACTURED	
12	2018-03-19	TREATMENT	3459.0	3460.9	0	FRACTURED	
13	2018-03-19	TREATMENT	3431.5	3433.4	0	FRACTURED	
14	2018-03-19	TREATMENT	3403.8	3405.7	0	FRACTURED	
15	2018-03-19	TREATMENT	3376.6	3378.5	0	FRACTURED	
16	2018-03-19	TREATMENT	3348.8	3350.7	0	FRACTURED	
17	2018-03-19	TREATMENT	3321.1	3323.0	0	FRACTURED	
18	2018-03-19	TREATMENT	3293.4	3295.3	0	FRACTURED	
19	2018-03-19	TREATMENT	3265.6	3267.6	0	FRACTURED	
20	2018-03-19	TREATMENT	3237.8	3239.8	0	FRACTURED	
21	2018-03-19	TREATMENT	3210.1	3212.0	0	FRACTURED	
22	2018-03-19	TREATMENT	3182.6	3184.5	0	FRACTURED	
23	2018-03-19	TREATMENT	3155.2	3157.1	0	FRACTURED	
24	2018-03-19	TREATMENT	3127.6	3129.6	0	FRACTURED	
25	2018-03-19	TREATMENT	3099.7	3101.6	0	FRACTURED	
26	2018-03-19	TREATMENT	3071.9	3073.8	0	FRACTURED	
27	2018-03-19	TREATMENT	3044.5	3046.4	0	FRACTURED	
28	2018-03-19	TREATMENT	2936.2	2938.1	0	FRACTURED	
29	2018-03-19	TREATMENT	2908.5	2910.4	0	FRACTURED	
30	2018-03-19	TREATMENT	2880.6	2882.5	0	FRACTURED	
31	2018-03-19	TREATMENT	2853.0	2854.9	0	FRACTURED	
32	2018-03-19	TREATMENT	2825.1	2827.1	0	FRACTURED	
33	2018-03-20	TREATMENT	2797.4	2799.3	0	FRACTURED	
34	2018-03-20	TREATMENT	2769.7	2771.6	0	FRACTURED	
35	2018-03-20	TREATMENT	2742.0	2743.9	0	FRACTURED	
36	2018-03-20	TREATMENT	2714.2	2716.1	0	FRACTURED	
37	2018-03-20	TREATMENT	2686.2	2688.1	0	FRACTURED	
38	2018-03-20	TREATMENT	2658.3	2660.2	0	FRACTURED	
39	2018-03-20	TREATMENT	2630.6	2632.5	0	FRACTURED	
40	2018-03-20	TREATMENT	2602.9	2604.9	0	FRACTURED	
41	2018-03-20	TREATMENT	2575.2	2577.1	0	FRACTURED	
42	2018-03-20	TREATMENT	2547.2	2549.2	0	FRACTURED	
43	2018-03-20	TREATMENT	2519.5	2521.4	0	FRACTURED	
44	2018-03-20	TREATMENT	2491.7	2493.6	0	FRACTURED	
45	2018-03-20	TREATMENT	2463.9	2465.8	0	FRACTURED	
46	2018-03-20	TREATMENT	2366.9	2368.8	0	FRACTURED	
47	2018-03-20	TREATMENT	2339.4	2341.3	0	FRACTURED	
48	2018-03-20	TREATMENT	2311.7	2313.7	0	FRACTURED	
49	2018-03-20	TREATMENT	2284.3	2286.2	0	FRACTURED	
50	2018-03-20	TREATMENT	2256.5	2258.4	0	FRACTURED	
51	2018-03-22	TREATMENT	2146.6	2148.5	0	FRACTURED	
52	2018-03-22	TREATMENT	2119.1	2121.0	0	FRACTURED	
53	2018-03-22	TREATMENT	2091.2	2093.1	0	FRACTURED	
54	2018-03-22	TREATMENT	2063.4	2065.3	0	FRACTURED	
55	2018-03-22	TREATMENT	2035.6	2037.5	0	FRACTURED	
56	2018-03-22	TREATMENT	2007.6	2009.5	0	FRACTURED	
57	2018-03-22	TREATMENT	1979.8	1981.7	0	FRACTURED	
58	2018-03-22	TREATMENT	1952.0	1953.9	0	FRACTURED	
59	2018-03-22	TREATMENT	1924.0	1926.0	0	FRACTURED	
60	2018-03-22	TREATMENT	1896.5	1898.4	0	FRACTURED	
61	2018-03-22	TREATMENT	1788.8	1790.7	0	FRACTURED	
62	2018-03-22	TREATMENT	1760.5	1762.4	0	FRACTURED	
63	2018-03-22	TREATMENT	1732.6	1734.5	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		505.0		505.0	177.800		

## Casings/Tubings - Continued

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
2	Production		3859.0	CARDSD	3859.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	21.5	tonne	Class G Neat		0
2	1	Production	12.0	tonne	Light Weight		0
2	2	Production	30.5	tonne	Class G Neat		0

## Logs Run

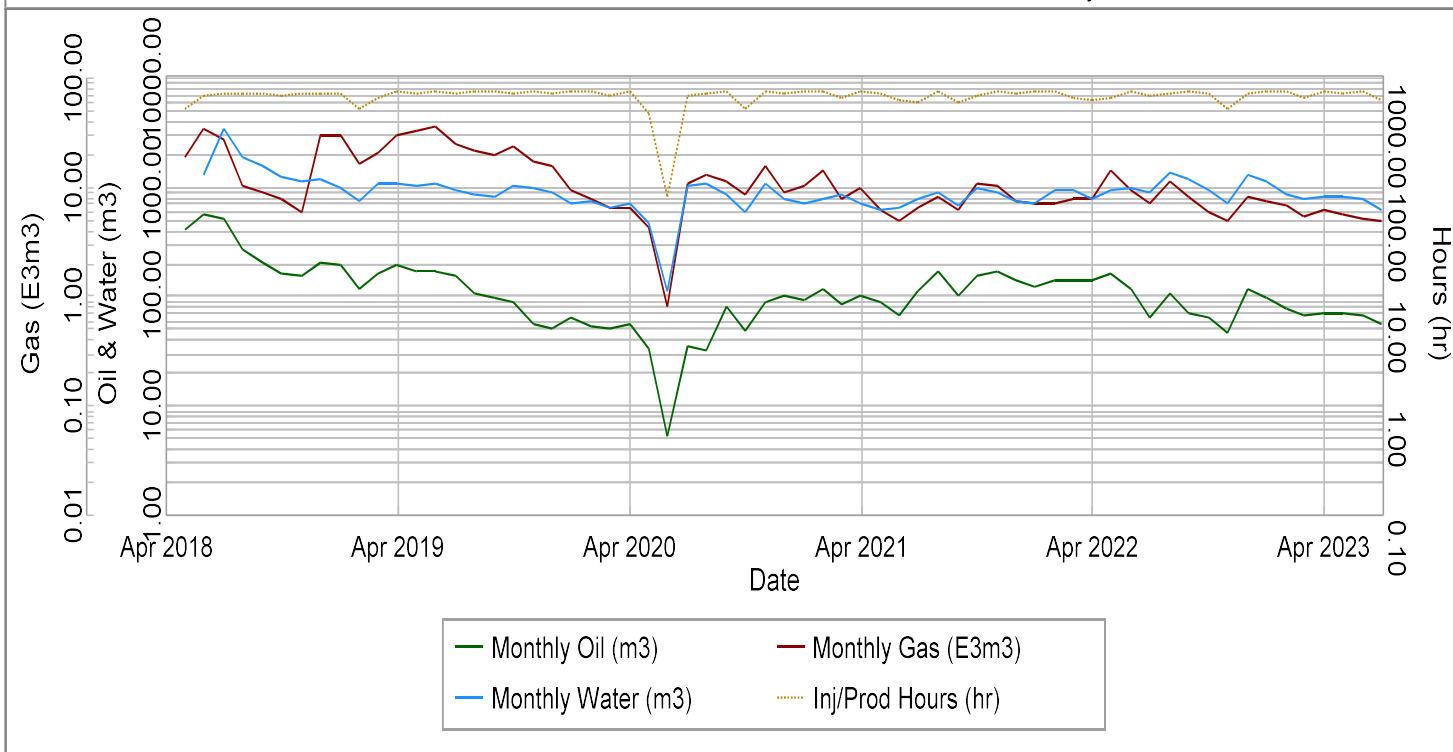
#	Method Description
1	GAMMA RAY

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2018-04-09	Producing Hours:	1368 hr
Oil + Cond (3 Mo):	124.00 m3	GOR:	81.45 m3/m3
Gas (3 Mo):	10.10 E3m3	WGR:	140.84 m3/E3m3
Water (3 Mo):	1,422.50 m3	WCT%:	92.0 %
Oil + Cond/Day:	2.18 m3/d	Gas/Day:	0.18 E3m3/d
		Cum Oil + Cond:	7,915.90 m3
		Cum Gas:	783.60 E3m3
		Cum Water:	59,113.20 m3

## Production Graph

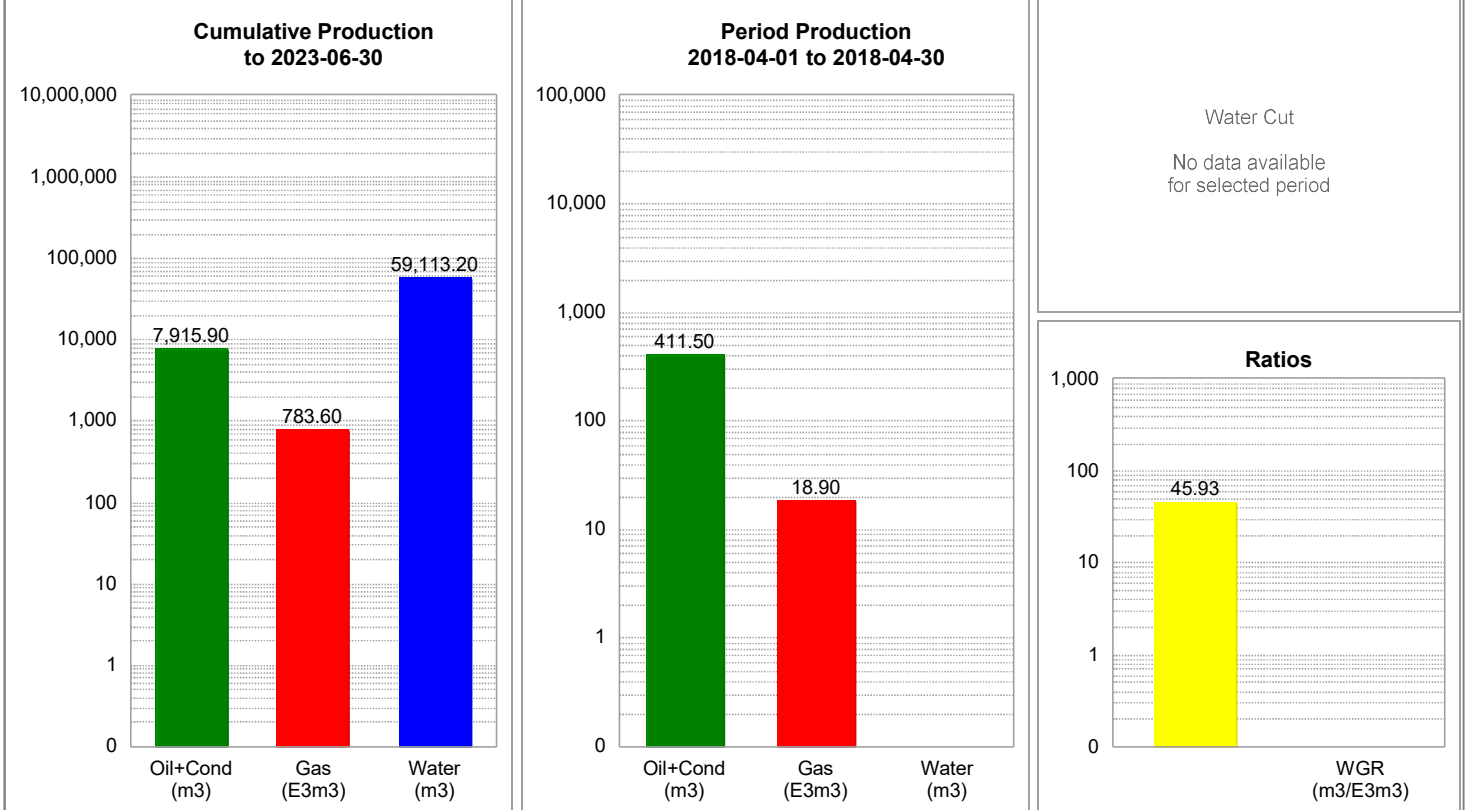
UWI:	02/05-16-047-07W5/00	On Prod:	2018-04-09	Cum Oil:	7915.9 m3
Well Name:	BONTERRA 102 HZ PEMBINA	Prod Form:	CARDSD	Cum Gas:	783.6 E3m3
	5-16-47-7				
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	59113.2 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3
Status:	PUMPING OIL	Battery:	6850295	Cum Inj Gas:	0.0 E3m3
				Cum Inj Wtr:	0.0 m3



## Production Summary

UWI: 02/05-16-047-07W5/00  
Prod Form: CARSD  
On Prod Date: 2018-04-09

Hours: 518  
Oil+Cond Rate: 19.07 m3/d  
Gas Rate: 0.88 E3m3/d



## Header

UWI:	02/13-16-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100131004707W500
Mode:	Pumping	Bottom Hole Location:	102131604707W500
Status:	PUMPING OIL	Surface Hole Coord:	S201.2 E269.2 m
		Bottom Hole Coord:	S282.5 E105.5 m
License		Surface Hole Latitude:	53.044992
Well Name:	BONTERRA 102 HZ PEMBINA 13-16-47-7	Surface Hole Longitude:	-114.947345
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.058899
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.974092
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0488344	Dates	
Province/State:	Alberta	License Date:	2018-02-20
Confidential:	Non-Confidential	Spud Date:	2018-03-09
Lahee:	DEVELOPMENT	Final Drill Date:	2018-03-16
Rig Type:	Horizontal	Rig Release Date:	2018-03-19
Well Type:	Horizontal	Completion Date:	2018-03-30
License Type:	Production	Days Drilled:	10
Well Event Type:	Parent	On Production Date:	2018-03-30
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2018-03-30
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2019-02-16
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	900.3 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	895.6 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3860.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1582.7 m
		Total True Vertical Depth:	1580.2 m
Play		Total Depth:	3852.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	2119.2 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2018-02-20	00720000	LICENSED
2	2018-03-09	00730000	SPUDDDED
3	2018-03-16	00740000	FINISHED DRILLING
4	2018-03-19	00750000	RIG RELEASED
5	2018-03-16	00070000	DRILLED AND CASED
6	2018-03-30	01110000	PUMPING OIL

## System Tops (KB Elevation: 900.3 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	927.4	929.0	-27.1	322.7	
LEAPRK	1250.1	1253.0	-349.8	132.5	
COLRAD	1382.6	1391.1	-482.3	160.4	
CARD	1543.0	1642.2	-642.7	22.5	
CARDSD	1565.5	1695.2	-665.2		

Total TVD:	1580.2 m	Projected Formation:	CARDIUM
Total Depth:	3852.0 m	Projected Total Depth:	3860.0 m

User Tops (KB Elevation: 900.3 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2018-03-26	TREATMENT	1781.1	3836.2	0	FRACTURED	
1	2018-03-24	TREATMENT	3835.6	3836.2	0	FRACTURED	
2	2018-03-24	TREATMENT	3798.2	3800.2	0	FRACTURED	
3	2018-03-24	TREATMENT	3759.0	3761.0	0	FRACTURED	
4	2018-03-24	TREATMENT	3719.9	3721.8	0	FRACTURED	
5	2018-03-24	TREATMENT	3680.6	3682.6	0	FRACTURED	
6	2018-03-24	TREATMENT	3641.4	3643.3	0	FRACTURED	
7	2018-03-24	TREATMENT	3614.8	3616.7	0	FRACTURED	
8	2018-03-24	TREATMENT	3506.1	3508.0	0	FRACTURED	
9	2018-03-24	TREATMENT	3466.0	3467.9	0	FRACTURED	
10	2018-03-24	TREATMENT	3426.7	3428.6	0	FRACTURED	
11	2018-03-24	TREATMENT	3387.5	3389.5	0	FRACTURED	
12	2018-03-24	TREATMENT	3348.5	3350.4	0	FRACTURED	
13	2018-03-24	TREATMENT	3309.0	3310.9	0	FRACTURED	
14	2018-03-24	TREATMENT	3269.6	3271.5	0	FRACTURED	
15	2018-03-24	TREATMENT	3230.4	3232.3	0	FRACTURED	
16	2018-03-24	TREATMENT	3190.7	3192.6	0	FRACTURED	
17	2018-03-24	TREATMENT	3151.4	3153.3	0	FRACTURED	
18	2018-03-24	TREATMENT	3112.0	3114.0	0	FRACTURED	
19	2018-03-24	TREATMENT	3073.1	3075.0	0	FRACTURED	
20	2018-03-25	TREATMENT	3033.9	3035.9	0	FRACTURED	
21	2018-03-25	TREATMENT	2937.4	2939.4	0	FRACTURED	
22	2018-03-25	TREATMENT	2898.2	2900.1	0	FRACTURED	
23	2018-03-25	TREATMENT	2859.0	2860.9	0	FRACTURED	
24	2018-03-25	TREATMENT	2819.6	2821.5	0	FRACTURED	
25	2018-03-25	TREATMENT	2780.3	2782.2	0	FRACTURED	
26	2018-03-25	TREATMENT	2741.7	2743.7	0	FRACTURED	
27	2018-03-25	TREATMENT	2703.1	2705.0	0	FRACTURED	
28	2018-03-25	TREATMENT	2663.6	2665.6	0	FRACTURED	
29	2018-03-25	TREATMENT	2624.3	2626.2	0	FRACTURED	
30	2018-03-25	TREATMENT	2585.4	2587.3	0	FRACTURED	
31	2018-03-25	TREATMENT	2546.3	2548.2	0	FRACTURED	
32	2018-03-25	TREATMENT	2507.1	2509.0	0	FRACTURED	
33	2018-03-25	TREATMENT	2468.0	2469.9	0	FRACTURED	
34	2018-03-25	TREATMENT	2372.1	2374.0	0	FRACTURED	
35	2018-03-25	TREATMENT	2333.0	2334.9	0	FRACTURED	
36	2018-03-25	TREATMENT	2293.7	2295.6	0	FRACTURED	
37	2018-03-25	TREATMENT	2254.5	2256.4	0	FRACTURED	
38	2018-03-25	TREATMENT	2215.1	2217.0	0	FRACTURED	
39	2018-03-25	TREATMENT	2176.0	2177.9	0	FRACTURED	
40	2018-03-25	TREATMENT	2137.1	2139.0	0	FRACTURED	
41	2018-03-25	TREATMENT	2097.7	2099.6	0	FRACTURED	
42	2018-03-25	TREATMENT	2058.6	2060.5	0	FRACTURED	
43	2018-03-25	TREATMENT	2019.0	2020.9	0	FRACTURED	
44	2018-03-25	TREATMENT	1979.7	1981.6	0	FRACTURED	
45	2018-03-25	TREATMENT	1940.4	1942.3	0	FRACTURED	
46	2018-03-25	TREATMENT	1889.3	1891.2	0	FRACTURED	
47	2018-03-25	TREATMENT	1781.1	1783.0	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		530.0		530.0	177.800		
2	Production		3852.0	CARDSD	3852.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	22.5	tonne	Class G Neat		0
2	1	Production	11.6	tonne	Light Weight		0
2	2	Production	31.0	tonne	Class G Neat		0

## Logs Run

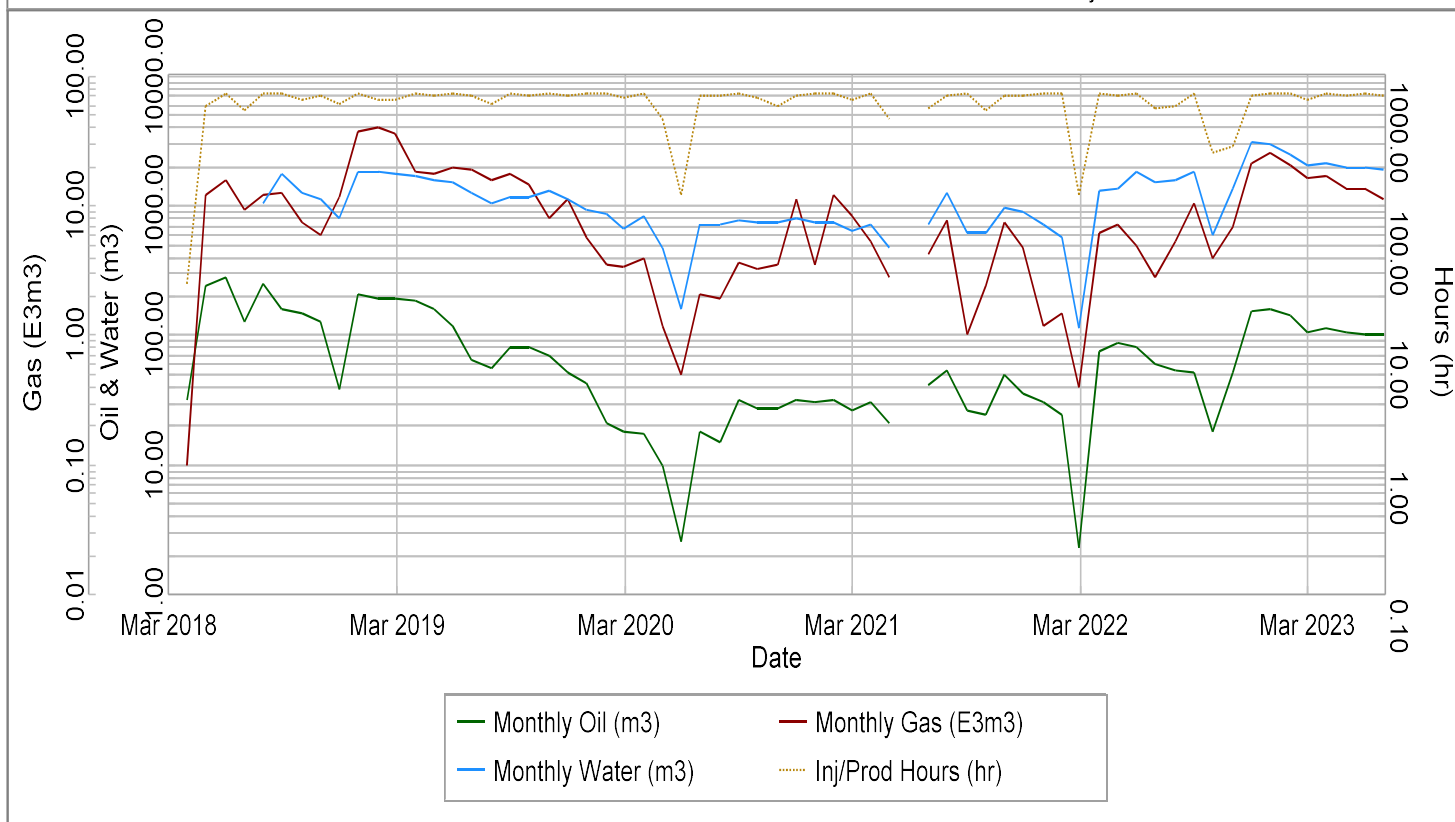
# Method Description  
1 GAMMA RAY

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2018-03-30	Producing Hours:	1448 hr
Oil + Cond (3 Mo):	202.50 m3	GOR:	123.95 m3/m3
Gas (3 Mo):	25.10 E3m3	WGR:	156.48 m3/E3m3
Water (3 Mo):	3,927.60 m3	WCT%:	95.1 %
Oil + Cond/Day:	3.36 m3/d	Gas/Day:	0.42 E3m3/d
		Cum Oil + Cond:	5,031.40 m3
		Cum Gas:	640.30 E3m3
		Cum Water:	71,813.00 m3

## Production Graph

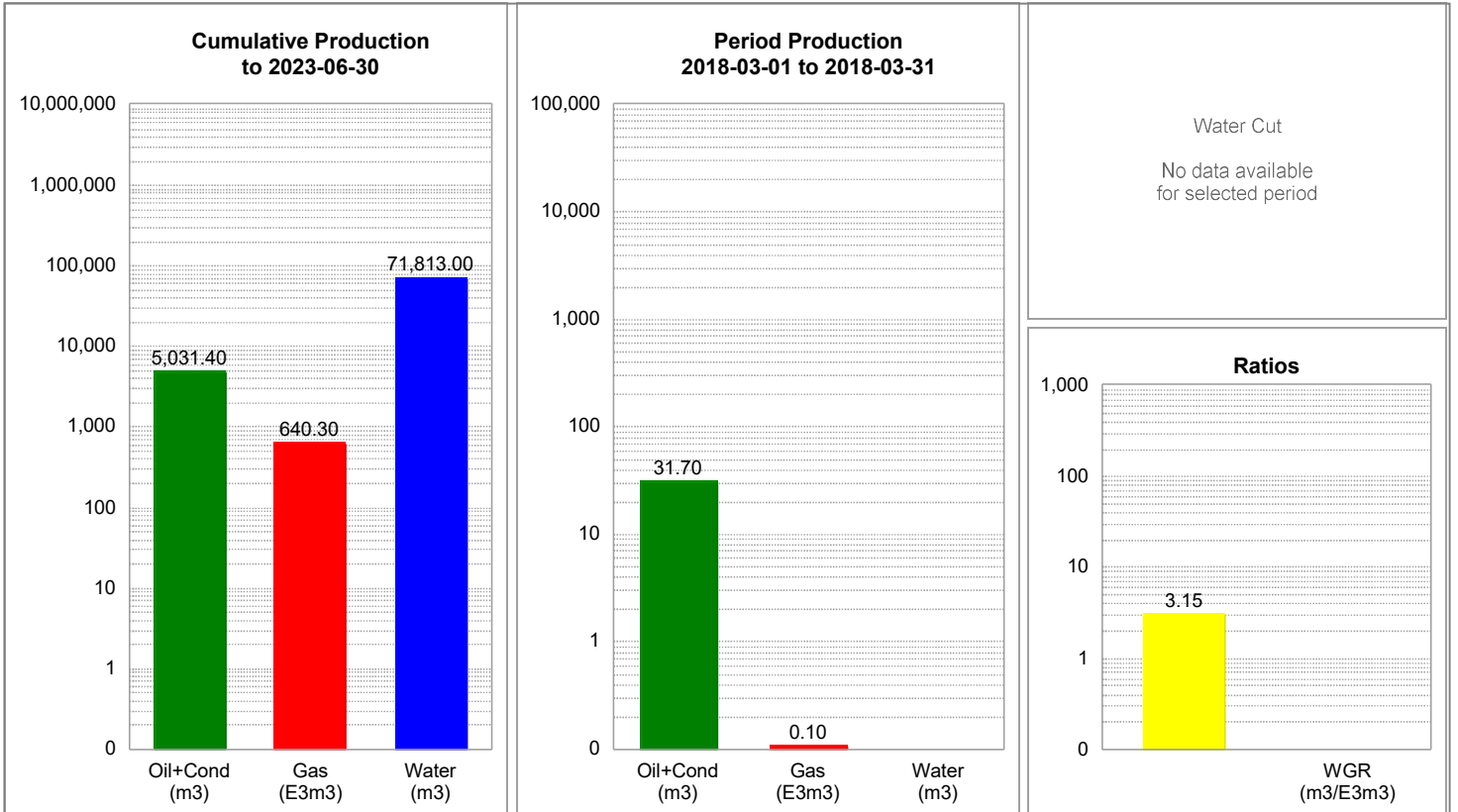
UWI:	02/13-16-047-07W5/00	On Prod:	2018-03-30	Cum Oil:	5031.4 m3
Well Name:	BONTERRA 102 HZ PEMBINA	Prod Form:	CARDS	Cum Gas:	640.3 E3m3
	13-16-47-7				
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	71813.0 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3
Status:	PUMPING OIL	Battery:	6850295	Cum Inj Gas:	0.0 E3m3
				Cum Inj Wtr:	0.0 m3



## Production Summary

UWI: 02/13-16-047-07W5/00  
Prod Form: CARSD  
On Prod Date: 2018-03-30

Hours: 25  
Oil+Cond Rate: 30.43 m3/d  
Gas Rate: 0.10 E3m3/d



## Header

UWI:	02/12-14-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100121204707W500
Mode:	Flowing	Bottom Hole Location:	102121404707W500
Status:	FLOWING OIL	Surface Hole Coord:	S679.0 E80.9 m
		Bottom Hole Coord:	S638.3 E84.5 m
License		Surface Hole Latitude:	53.040675
Well Name:	TEL 102 HZ PEMBINA 12-14-47-7	Surface Hole Longitude:	-114.901329
Current Licensee:	TEINE ENERGY LTD.	Bottom Hole Latitude:	53.055688
Facility Operator:	TEINE ENERGY LTD.	Bottom Hole Longitude:	-114.925766
Original Licensee:	TEINE ENERGY LTD.		
License Number:	0496964	Dates	
Province/State:	Alberta	License Date:	2019-12-16
Confidential:	Non-Confidential (2021-01-16)	Spud Date:	2019-12-29
Lahee:	NEW FIELD WILDCAT	Final Drill Date:	2020-01-16
Rig Type:	Horizontal	Rig Release Date:	2020-01-22
Well Type:	Horizontal	Completion Date:	2020-03-03
License Type:	Production	Days Drilled:	24
Well Event Type:	Parent	On Production Date:	2020-03-02
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-30
Surface Abandon Type:		Current Status Date:	2020-03-03
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	DUVERNAY	Last Update Date:	2022-04-12
Producing Formation:	DUVERN		
Total Depth Formation:	DUVERNAY	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	908.8 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	DUVERNAY BB (AB06850728028)	Ground Elevation:	903.2 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	EXCALIBUR DRILLING LTD.	Projected Total Depth:	5850.0 m
Drilling Rig Number:	14	Max True Vertical Depth:	2884.3 m
		Total True Vertical Depth:	2884.2 m
Play		Total Depth:	5050.5 m
Play:	DUVERNAY	Plugback Depth:	
Play Type:	Shale	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	2028.9 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2019-12-16	00720000	LICENSED
2	2019-12-29	00730000	SPUDDED
3	2020-01-16	00740000	FINISHED DRILLING
4	2020-01-22	00750000	RIG RELEASED
5	2020-01-16	00070000	DRILLED AND CASED
6	2020-03-03	01100000	FLOWING OIL

## System Tops (KB Elevation: 908.8 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	1009.7	1010.1	-100.9	240.8	
LEAPRK	1250.5	1251.0	-341.7	136.1	
COLRAD	1386.6	1387.1	-477.8	159.2	
CARD	1545.8	1546.3	-637.0	22.8	
CARDSD	1568.6	1569.1	-659.8	26.6	
BLACKSTN	1595.2	1595.7	-686.4	121.6	
2WSPK	1716.8	1717.3	-808.0	103.3	
BFSC	1820.1	1820.6	-911.3	44.7	
VIK	1864.8	1865.3	-956.0	23.9	
JOLIFU	1888.7	1889.2	-979.9	10.6	
MANN	1899.3	1899.8	-990.5	156.8	
GLAUCSS	2056.1	2056.6	-1147.3	6.1	
OSTCZ	2062.2	2062.8	-1153.4	2.7	
ELLERSL	2064.9	2065.5	-1156.1	3.3	
FERNIE	2068.2	2068.8	-1159.4	2.9	
ROCKCK	2071.1	2071.7	-1162.3	17.4	



## System Tops - Continued

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
POKRCHSH	2088.5	2089.1	-1179.7	10.3	
NORD	2098.8	2099.4	-1190.0	30.6	
BANFF	2129.4	2130.0	-1220.6	170.4	
EXSHAW	2299.8	2300.4	-1391.0	9.8	
WABAMUN	2309.6	2310.2	-1400.8	189.4	
GRAMINIA	2499.0	2499.7	-1590.2	10.6	
BLUERIDG	2509.6	2510.4	-1600.8	24.6	
CALMAR	2534.2	2535.3	-1625.4	4.5	
NISKU	2538.7	2539.9	-1629.9	66.9	
IRETON	2605.6	2609.3	-1696.8	242.1	
DUVERN	2847.7	2970.4	-1938.9		

Total TVD: 2884.2 m

Projected Formation:

DUVERNAY

Total Depth: 5050.5 m

Projected Total Depth:

5850.0 m

User Tops (KB Elevation: 908.8 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2020-02-14	TREATMENT	2990.5	4987.0		0 FRACTURED	
1	2020-02-06	JET PERFORATION	5005.2	5006.2	6		
2	2020-02-06	JET PERFORATION	4991.6	4992.6	6		
3	2020-02-06	TREATMENT	4991.6	5006.2	0	FRACTURED	
4	2020-02-06	JET PERFORATION	4978.0	4978.5	6		
5	2020-02-06	JET PERFORATION	4965.5	4966.0	6		
6	2020-02-06	JET PERFORATION	4953.0	4953.5	6		
7	2020-02-06	JET PERFORATION	4940.5	4941.0	6		
8	2020-02-06	TREATMENT	4940.5	4978.5	0	FRACTURED	
9	2020-02-06	JET PERFORATION	4928.0	4928.5	6		
10	2020-02-06	JET PERFORATION	4915.5	4916.0	6		
11	2020-02-06	JET PERFORATION	4903.0	4903.5	6		
12	2020-02-06	JET PERFORATION	4890.5	4891.0	6		
13	2020-02-06	TREATMENT	4890.5	4928.5	0	FRACTURED	
14	2020-02-07	JET PERFORATION	4878.0	4878.5	8		
15	2020-02-07	JET PERFORATION	4865.5	4866.0	8		
16	2020-02-07	JET PERFORATION	4853.0	4853.5	8		
17	2020-02-07	JET PERFORATION	4840.5	4841.0	8		
18	2020-02-07	TREATMENT	4840.5	4878.5	0	FRACTURED	
19	2020-02-07	JET PERFORATION	4828.0	4828.5	8		
20	2020-02-07	JET PERFORATION	4815.5	4816.0	8		
21	2020-02-07	JET PERFORATION	4803.0	4803.5	8		
22	2020-02-07	JET PERFORATION	4790.5	4791.0	8		
23	2020-02-07	TREATMENT	4790.5	4828.5	0	FRACTURED	
24	2020-02-08	JET PERFORATION	4778.0	4778.5	8		
25	2020-02-08	JET PERFORATION	4765.5	4766.0	8		
26	2020-02-08	JET PERFORATION	4753.0	4753.5	8		
27	2020-02-08	JET PERFORATION	4740.5	4741.0	8		
28	2020-02-08	TREATMENT	4740.5	4778.5	0	FRACTURED	
29	2020-02-08	JET PERFORATION	4728.0	4728.5	8		
30	2020-02-08	JET PERFORATION	4715.5	4716.0	8		
31	2020-02-08	JET PERFORATION	4703.0	4703.5	8		
32	2020-02-08	JET PERFORATION	4690.5	4691.0	8		
33	2020-02-08	TREATMENT	4690.5	4728.5	0	FRACTURED	
34	2020-02-08	JET PERFORATION	4678.0	4678.5	8		
35	2020-02-08	JET PERFORATION	4665.5	4666.0	8		
36	2020-02-08	JET PERFORATION	4653.0	4653.5	8		
37	2020-02-08	JET PERFORATION	4640.5	4641.0	8		
38	2020-02-08	TREATMENT	4640.5	4678.5	0	FRACTURED	
39	2020-02-08	JET PERFORATION	4628.0	4628.5	6		
40	2020-02-08	JET PERFORATION	4615.5	4616.0	6		
41	2020-02-08	JET PERFORATION	4603.0	4603.5	6		
42	2020-02-08	JET PERFORATION	4590.5	4591.0	6		
43	2020-02-08	TREATMENT	4590.5	4628.5	0	FRACTURED	
44	2020-02-08	JET PERFORATION	4578.0	4578.7	6		
45	2020-02-08	JET PERFORATION	4565.5	4566.2	6		
46	2020-02-08	JET PERFORATION	4553.0	4553.7	6		
47	2020-02-08	JET PERFORATION	4540.5	4541.2	6		

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
48	2020-02-08	TREATMENT	4540.5	4578.7	0	FRACTURED	
49	2020-02-09	JET PERFORATION	4528.0	4528.5	6		
50	2020-02-09	JET PERFORATION	4515.5	4516.0	6		
51	2020-02-09	JET PERFORATION	4503.0	4503.5	6		
52	2020-02-09	JET PERFORATION	4490.5	4491.0	6		
53	2020-02-09	TREATMENT	4490.5	4528.5	0	FRACTURED	
54	2020-02-09	JET PERFORATION	4478.0	4478.5	6		
55	2020-02-09	JET PERFORATION	4465.5	4466.0	6		
56	2020-02-09	JET PERFORATION	4453.0	4453.5	6		
57	2020-02-09	JET PERFORATION	4440.5	4441.0	6		
58	2020-02-09	TREATMENT	4440.5	4478.5	0	FRACTURED	
59	2020-02-09	JET PERFORATION	4428.0	4428.5	6		
60	2020-02-09	JET PERFORATION	4415.5	4416.0	6		
61	2020-02-09	JET PERFORATION	4403.0	4403.5	6		
62	2020-02-09	JET PERFORATION	4390.5	4391.0	6		
63	2020-02-09	TREATMENT	4390.5	4428.5	0	FRACTURED	
64	2020-02-09	JET PERFORATION	4378.0	4378.5	8		
65	2020-02-09	JET PERFORATION	4365.5	4366.0	8		
66	2020-02-09	JET PERFORATION	4353.0	4353.5	8		
67	2020-02-09	JET PERFORATION	4340.5	4341.0	8		
68	2020-02-09	TREATMENT	4340.5	4378.5	0	FRACTURED	
69	2020-02-09	JET PERFORATION	4328.0	4328.5	8		
70	2020-02-09	JET PERFORATION	4315.5	4316.0	8		
71	2020-02-09	JET PERFORATION	4303.0	4303.5	8		
72	2020-02-09	JET PERFORATION	4290.5	4291.0	8		
73	2020-02-09	TREATMENT	4290.5	4328.5	0	FRACTURED	
74	2020-02-09	JET PERFORATION	4278.0	4278.5	6		
75	2020-02-09	JET PERFORATION	4265.5	4266.0	6		
76	2020-02-09	JET PERFORATION	4253.0	4253.5	6		
77	2020-02-09	JET PERFORATION	4240.5	4241.0	6		
78	2020-02-09	TREATMENT	4240.5	4278.5	0	FRACTURED	
79	2020-02-10	JET PERFORATION	4228.0	4228.5	6		
80	2020-02-10	JET PERFORATION	4215.5	4216.0	6		
81	2020-02-10	JET PERFORATION	4203.0	4203.5	6		
82	2020-02-10	JET PERFORATION	4190.5	4191.0	6		
83	2020-02-10	TREATMENT	4190.5	4228.5	0	FRACTURED	
84	2020-02-10	JET PERFORATION	4178.0	4178.5	6		
85	2020-02-10	JET PERFORATION	4165.5	4166.0	6		
86	2020-02-10	JET PERFORATION	4153.0	4153.5	6		
87	2020-02-10	JET PERFORATION	4140.5	4141.0	6		
88	2020-02-10	TREATMENT	4140.5	4178.5	0	FRACTURED	
89	2020-02-10	JET PERFORATION	4128.0	4128.5	6		
90	2020-02-10	JET PERFORATION	4115.5	4116.0	6		
91	2020-02-10	JET PERFORATION	4103.0	4103.5	6		
92	2020-02-10	JET PERFORATION	4090.5	4091.0	6		
93	2020-02-10	TREATMENT	4090.5	4128.5	0	FRACTURED	
94	2020-02-10	JET PERFORATION	4078.0	4078.5	6		
95	2020-02-10	JET PERFORATION	4065.5	4066.0	6		
96	2020-02-10	JET PERFORATION	4053.0	4053.5	6		
97	2020-02-10	JET PERFORATION	4040.5	4041.0	6		
98	2020-02-10	TREATMENT	4040.5	4078.5	0	FRACTURED	
99	2020-02-10	JET PERFORATION	4028.0	4028.5	6		
100	2020-02-10	JET PERFORATION	4015.5	4016.0	6		
101	2020-02-10	JET PERFORATION	4003.0	4003.5	6		
102	2020-02-10	JET PERFORATION	3990.5	3991.0	6		
103	2020-02-10	TREATMENT	3990.5	4028.5	0	FRACTURED	
104	2020-02-11	JET PERFORATION	3978.0	3978.5	6		
105	2020-02-11	JET PERFORATION	3965.5	3966.0	6		
106	2020-02-11	JET PERFORATION	3953.0	3953.5	6		
107	2020-02-11	JET PERFORATION	3940.5	3941.0	6		
108	2020-02-11	TREATMENT	3940.5	3978.5	0	FRACTURED	
109	2020-02-11	JET PERFORATION	3928.0	3928.5	6		
110	2020-02-11	JET PERFORATION	3915.5	3916.0	6		
111	2020-02-11	JET PERFORATION	3903.0	3903.5	6		
112	2020-02-11	JET PERFORATION	3890.5	3891.0	6		
113	2020-02-11	TREATMENT	3890.5	3928.5	0	FRACTURED	
114	2020-02-11	JET PERFORATION	3878.0	3878.5	6		
115	2020-02-11	JET PERFORATION	3865.5	3866.0	6		
116	2020-02-11	JET PERFORATION	3853.0	3853.5	6		
117	2020-02-11	JET PERFORATION	3840.5	3841.0	6		
118	2020-02-11	TREATMENT	3840.5	3878.5	0	FRACTURED	
119	2020-02-11	JET PERFORATION	3828.0	3828.5	6		

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
120	2020-02-11	JET PERFORATION	3815.5	3816.0	6		
121	2020-02-11	JET PERFORATION	3803.0	3803.5	6		
122	2020-02-11	JET PERFORATION	3790.5	3791.0	6		
123	2020-02-11	TREATMENT	3790.5	3828.5	0	FRACTURED	
124	2020-02-11	JET PERFORATION	3778.0	3778.5	6		
125	2020-02-11	JET PERFORATION	3765.5	3766.0	6		
126	2020-02-11	JET PERFORATION	3753.0	3753.5	6		
127	2020-02-11	JET PERFORATION	3740.5	3741.0	6		
128	2020-02-11	TREATMENT	3740.5	3778.5	0	FRACTURED	
129	2020-02-11	JET PERFORATION	3728.0	3728.5	6		
130	2020-02-11	JET PERFORATION	3715.5	3716.0	6		
131	2020-02-11	JET PERFORATION	3703.0	3703.5	6		
132	2020-02-11	JET PERFORATION	3690.5	3691.0	6		
133	2020-02-11	TREATMENT	3690.5	3728.5	0	FRACTURED	
134	2020-02-12	JET PERFORATION	3678.0	3678.5	6		
135	2020-02-12	JET PERFORATION	3665.5	3666.0	6		
136	2020-02-12	JET PERFORATION	3653.0	3653.5	6		
137	2020-02-12	JET PERFORATION	3640.5	3641.0	6		
138	2020-02-12	TREATMENT	3640.5	3678.5	0	FRACTURED	
139	2020-02-12	JET PERFORATION	3628.0	3628.5	6		
140	2020-02-12	JET PERFORATION	3615.5	3616.0	6		
141	2020-02-12	JET PERFORATION	3603.0	3603.5	6		
142	2020-02-12	JET PERFORATION	3590.5	3591.0	6		
143	2020-02-12	TREATMENT	3590.5	3628.5	0	FRACTURED	
144	2020-02-12	JET PERFORATION	3578.0	3578.5	6		
145	2020-02-12	JET PERFORATION	3565.5	3566.0	6		
146	2020-02-12	JET PERFORATION	3553.0	3553.5	6		
147	2020-02-12	JET PERFORATION	3540.5	3541.0	6		
148	2020-02-12	TREATMENT	3540.5	3578.5	0	FRACTURED	
149	2020-02-12	JET PERFORATION	3528.0	3528.5	6		
150	2020-02-12	JET PERFORATION	3515.5	3516.0	6		
151	2020-02-12	JET PERFORATION	3503.0	3503.5	6		
152	2020-02-12	JET PERFORATION	3490.5	3491.0	6		
153	2020-02-12	TREATMENT	3490.5	3528.5	0	FRACTURED	
154	2020-02-12	JET PERFORATION	3478.0	3478.5	6		
155	2020-02-12	JET PERFORATION	3465.5	3466.0	6		
156	2020-02-12	JET PERFORATION	3453.0	3453.5	6		
157	2020-02-12	JET PERFORATION	3440.5	3441.0	6		
158	2020-02-12	TREATMENT	3440.5	3478.5	0	FRACTURED	
159	2020-02-13	JET PERFORATION	3428.0	3428.5	6		
160	2020-02-13	JET PERFORATION	3415.5	3416.0	6		
161	2020-02-13	JET PERFORATION	3403.0	3403.5	6		
162	2020-02-13	JET PERFORATION	3390.5	3391.0	6		
163	2020-02-13	TREATMENT	3390.5	3428.5	0	FRACTURED	
164	2020-02-13	JET PERFORATION	3378.0	3378.5	6		
165	2020-02-13	JET PERFORATION	3365.5	3366.0	6		
166	2020-02-13	JET PERFORATION	3353.0	3353.5	6		
167	2020-02-13	JET PERFORATION	3340.5	3341.0	6		
168	2020-02-13	TREATMENT	3340.5	3378.5	0	FRACTURED	
169	2020-02-13	JET PERFORATION	3328.0	3328.5	6		
170	2020-02-13	JET PERFORATION	3315.5	3316.0	6		
171	2020-02-13	JET PERFORATION	3303.0	3303.5	6		
172	2020-02-13	JET PERFORATION	3290.5	3291.0	6		
173	2020-02-13	TREATMENT	3290.5	3328.5	0	FRACTURED	
174	2020-02-13	JET PERFORATION	3278.0	3278.5	6		
175	2020-02-13	JET PERFORATION	3265.5	3266.0	6		
176	2020-02-13	JET PERFORATION	3253.0	3253.5	6		
177	2020-02-13	JET PERFORATION	3240.5	3241.0	6		
178	2020-02-13	TREATMENT	3240.5	3278.5	0	FRACTURED	
179	2020-02-13	JET PERFORATION	3228.0	3228.5	6		
180	2020-02-13	JET PERFORATION	3215.5	3216.0	6		
181	2020-02-13	JET PERFORATION	3203.0	3203.5	6		
182	2020-02-13	JET PERFORATION	3190.5	3191.0	6		
183	2020-02-13	TREATMENT	3190.5	3228.5	0	FRACTURED	
184	2020-02-14	JET PERFORATION	3178.0	3178.5	6		
185	2020-02-14	JET PERFORATION	3165.5	3166.0	6		
186	2020-02-14	JET PERFORATION	3153.0	3153.5	6		
187	2020-02-14	JET PERFORATION	3140.5	3141.0	6		
188	2020-02-14	TREATMENT	3140.5	3178.5	0	FRACTURED	
189	2020-02-14	JET PERFORATION	3128.0	3128.5	6		
190	2020-02-14	JET PERFORATION	3115.5	3116.0	6		
191	2020-02-14	JET PERFORATION	3103.0	3103.5	6		

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
192	2020-02-14	JET PERFORATION	3090.5	3091.0	6		
193	2020-02-14	TREATMENT	3090.5	3128.5	0	FRACTURED	
194	2020-02-14	JET PERFORATION	3078.0	3078.5	5		
195	2020-02-14	JET PERFORATION	3065.5	3066.0	5		
196	2020-02-14	JET PERFORATION	3053.0	3053.5	5		
197	2020-02-14	JET PERFORATION	3040.5	3041.0	5		
198	2020-02-14	TREATMENT	3040.5	3078.5	0	FRACTURED	
199	2020-02-14	JET PERFORATION	3028.0	3028.5	5		
200	2020-02-14	JET PERFORATION	3015.5	3016.0	5		
201	2020-02-14	JET PERFORATION	3003.0	3003.5	5		
202	2020-02-14	JET PERFORATION	2990.5	2991.0	5		
203	2020-02-14	TREATMENT	2990.5	3028.5	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		616.0		616.0	273.000		
2	Intermediate		2631.0	IRETON	2631.0	193.700		
3	Production		4988.1	DUVERN	4988.1	139.700		
4	Production		5045.0	DUVERN	5045.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	60.3
2	Intermediate	L	80	44.2
3	Production	P	110	34.2
4	Production	P	110	22.5

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	37.5	tonne	Class C Neat		0
2	1	Intermediate	22.3	tonne	Light Weight		0
2	2	Intermediate	6.0	tonne	Class G Neat		0
3	1	Production	60.4	tonne	Class G Neat		0
4	1	Production	0.7	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	CEMENT BOND
2	GAMMA RAY

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

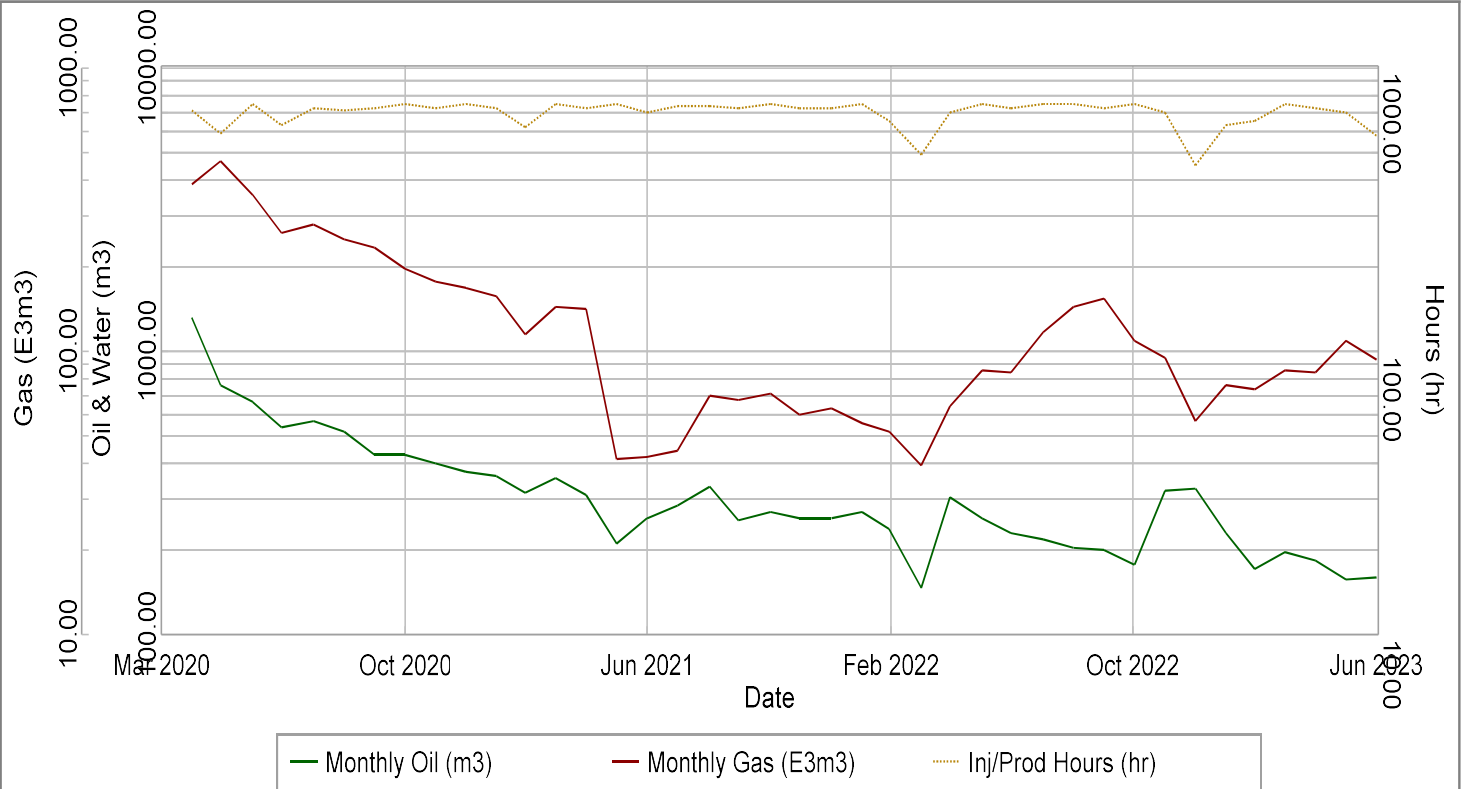
On Prod Date:	2020-03-02	Producing Hours:	1277 hr
Oil + Cond (3 Mo):	317.40 m3	GOR:	638.63 m3/m3
Gas (3 Mo):	202.70 E3m3	WGR:	0.00 m3/E3m3
Water (3 Mo):	0.00 m3	WCT%:	0.0 %
Oil + Cond/Day:	5.97 m3/d	Gas/Day:	3.81 E3m3/d

## Production Graph

UWI: 02/12-14-047-07W5/00  
Well Name: TEL 102 HZ PEMBINA 12-14-47-7  
Curr Licensee: TEINE ENERGY LTD.  
Orig Licensee: TEINE ENERGY LTD.  
Status: FLOWING OIL

On Prod: 2020-03-02  
Prod Form: DUVERN  
Field: PEMBINA (AB0685)  
Pool Code: AB06850728028  
Battery: 155949

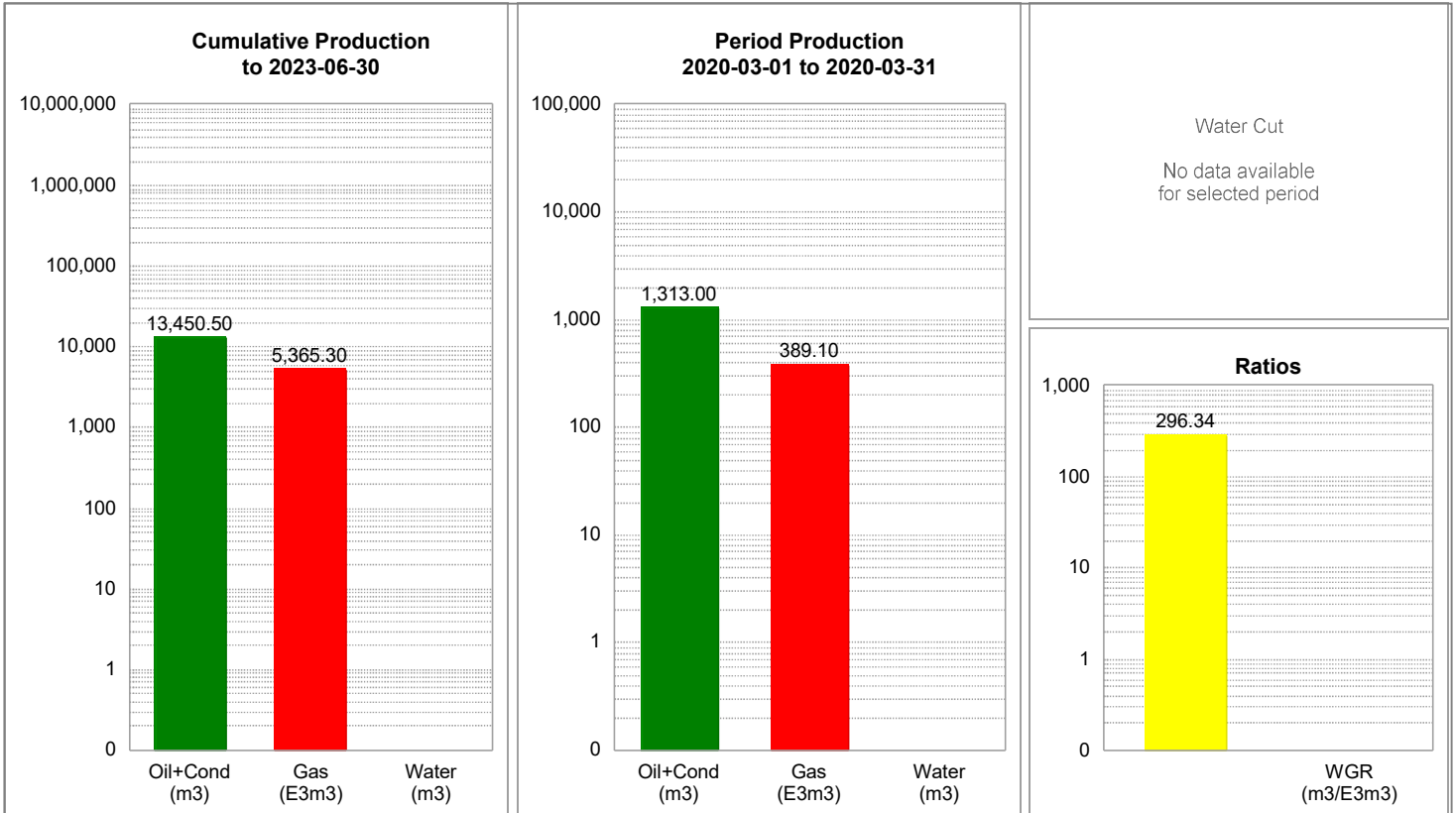
Cum Oil: 13450.5 m3  
Cum Gas: 5365.3 E3m3  
Cum Wtr: 0.0 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



Production Summary

UWI: 02/12-14-047-07W5/00  
 Prod Form: DUVERN  
 On Prod Date: 2020-03-02

Hours: 715  
 Oil+Cond Rate: 44.07 m3/d  
 Gas Rate: 13.06 E3m3/d



## Header

UWI:	02/09-04-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080504707W500
Mode:	Pumping	Bottom Hole Location:	102090404707W500
Status:	PUMPING OIL	Surface Hole Coord:	N396.2 W152.1 m
		Bottom Hole Coord:	S413.7 W99.4 m
License		Surface Hole Latitude:	53.021866
Well Name:	BONTERRA 102 HZ PEMBINA 9-4-47-7	Surface Hole Longitude:	-114.978235
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.028632
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.953131
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0504483	Dates	
Province/State:	Alberta	License Date:	2022-06-06
Confidential:	Non-Confidential	Spud Date:	2022-08-09
Lahee:	DEVELOPMENT	Final Drill Date:	2022-08-14
Rig Type:	Horizontal	Rig Release Date:	2022-08-16
Well Type:	Horizontal	Completion Date:	2022-08-30
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2022-08-30
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-25
Surface Abandon Type:		Current Status Date:	2022-08-30
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-03-18
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	883.9 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	879.4 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3410.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1571.9 m
		Total True Vertical Depth:	1562.6 m
Play		Total Depth:	3385.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1935.4 m
		Target Depth:	
		Lateral Length:	1449.6 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2022-06-06	00720000	LICENSED
2	2022-08-09	00730000	SPUDDED
3	2022-08-14	00740000	FINISHED DRILLING
4	2022-08-30	01110000	PUMPING OIL

System Tops (KB Elevation: 883.9 m) - No data

User Tops (KB Elevation: 883.9 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2022-08-23	TREATMENT	1941.0	3345.1	0	FRACTURED	
1	2022-08-22	TREATMENT	3344.5	3345.1	0	FRACTURED	
2	2022-08-22	TREATMENT	3297.3	3297.9	0	FRACTURED	
3	2022-08-22	TREATMENT	3250.3	3250.9	0	FRACTURED	
4	2022-08-22	TREATMENT	3203.1	3203.7	0	FRACTURED	
5	2022-08-22	TREATMENT	3155.9	3156.6	0	FRACTURED	
6	2022-08-22	TREATMENT	3109.1	3109.8	0	FRACTURED	
7	2022-08-22	TREATMENT	3015.2	3015.8	0	FRACTURED	
8	2022-08-22	TREATMENT	2968.6	2969.2	0	FRACTURED	
9	2022-08-22	TREATMENT	2921.6	2922.2	0	FRACTURED	
10	2022-08-22	TREATMENT	2874.8	2875.5	0	FRACTURED	
11	2022-08-22	TREATMENT	2827.7	2828.3	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
12	2022-08-22	TREATMENT	2781.1	2781.7	0	FRACTURED	
13	2022-08-22	TREATMENT	2733.9	2734.5	0	FRACTURED	
14	2022-08-22	TREATMENT	2687.5	2688.1	0	FRACTURED	
15	2022-08-22	TREATMENT	2640.6	2641.3	0	FRACTURED	
16	2022-08-22	TREATMENT	2594.0	2594.7	0	FRACTURED	
17	2022-08-22	TREATMENT	2547.4	2548.1	0	FRACTURED	
18	2022-08-23	TREATMENT	2500.9	2501.5	0	FRACTURED	
19	2022-08-23	TREATMENT	2454.4	2455.0	0	FRACTURED	
20	2022-08-23	TREATMENT	2407.5	2408.1	0	FRACTURED	
21	2022-08-23	TREATMENT	2361.0	2361.7	0	FRACTURED	
22	2022-08-23	TREATMENT	2314.5	2315.2	0	FRACTURED	
23	2022-08-23	TREATMENT	2268.2	2268.8	0	FRACTURED	
24	2022-08-23	TREATMENT	2221.4	2222.0	0	FRACTURED	
25	2022-08-23	TREATMENT	2174.7	2175.3	0	FRACTURED	
26	2022-08-23	TREATMENT	2127.6	2128.3	0	FRACTURED	
27	2022-08-23	TREATMENT	2080.9	2081.5	0	FRACTURED	
28	2022-08-23	TREATMENT	2034.5	2035.1	0	FRACTURED	
29	2022-08-23	TREATMENT	1987.8	1988.4	0	FRACTURED	
30	2022-08-23	TREATMENT	1941.0	1941.7	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		532.0		532.0	177.800		
2	Production		3385.0		3385.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	25.3
2	Production	P	110	17.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.0	tonne	Class G Neat		0
2	1	Production	11.0	tonne	Light Weight		0
2	2	Production	27.0	tonne	Class G Neat		0

## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2022-08-30	Producing Hours:	1315 hr
Oil + Cond (3 Mo):	211.60 m3	GOR:	1,613.89 m3/m3
Gas (3 Mo):	341.50 E3m3	WGR:	6.26 m3/E3m3
Water (3 Mo):	2,137.20 m3	WCT%:	91.0 %
Oil + Cond/Day:	3.86 m3/d	Gas/Day:	6.23 E3m3/d

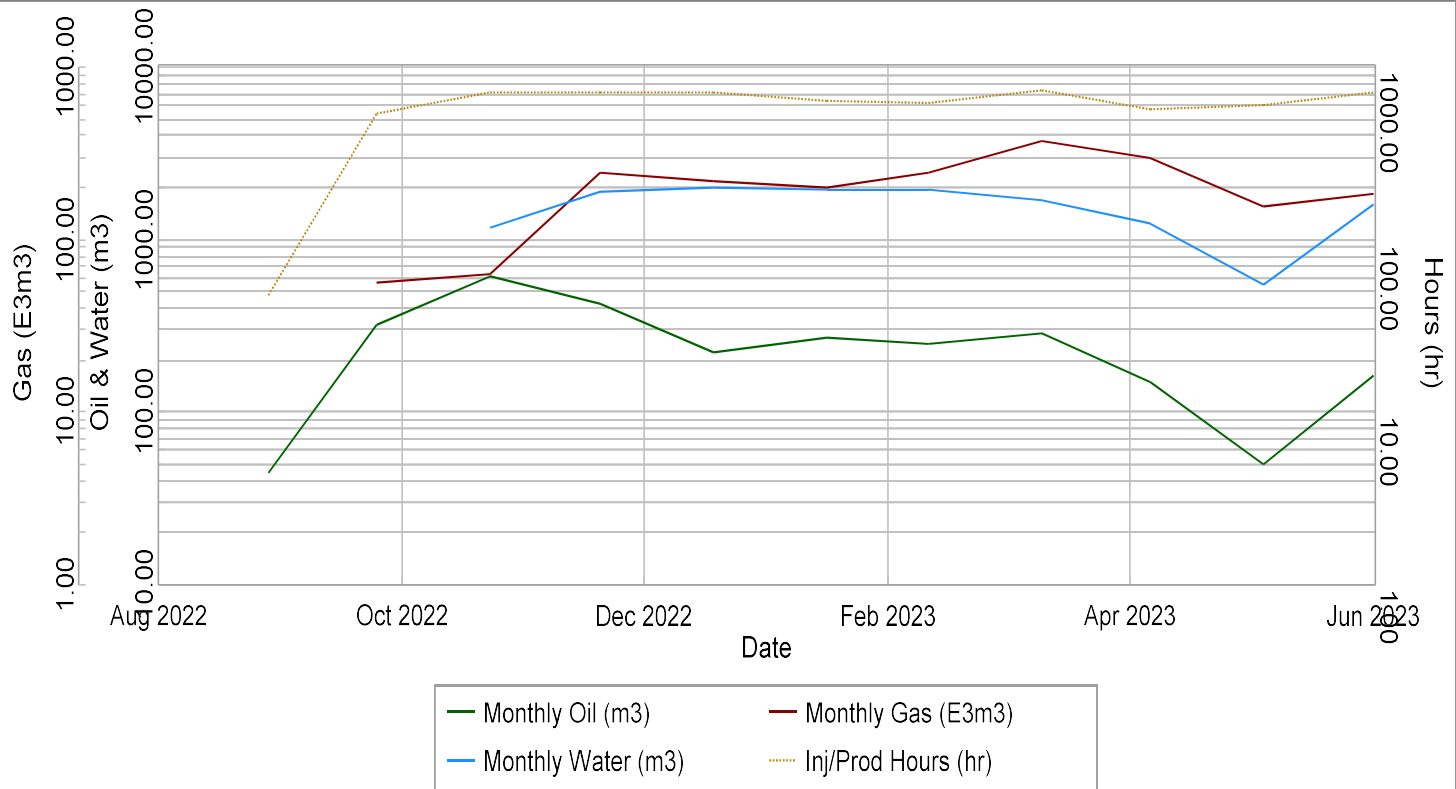


## Production Graph

UWI: 02/09-04-047-07W5/00  
Well Name: BONTERRA 102 HZ PEMBINA  
9-4-47-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2022-08-30  
Prod Form: CARSDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850024

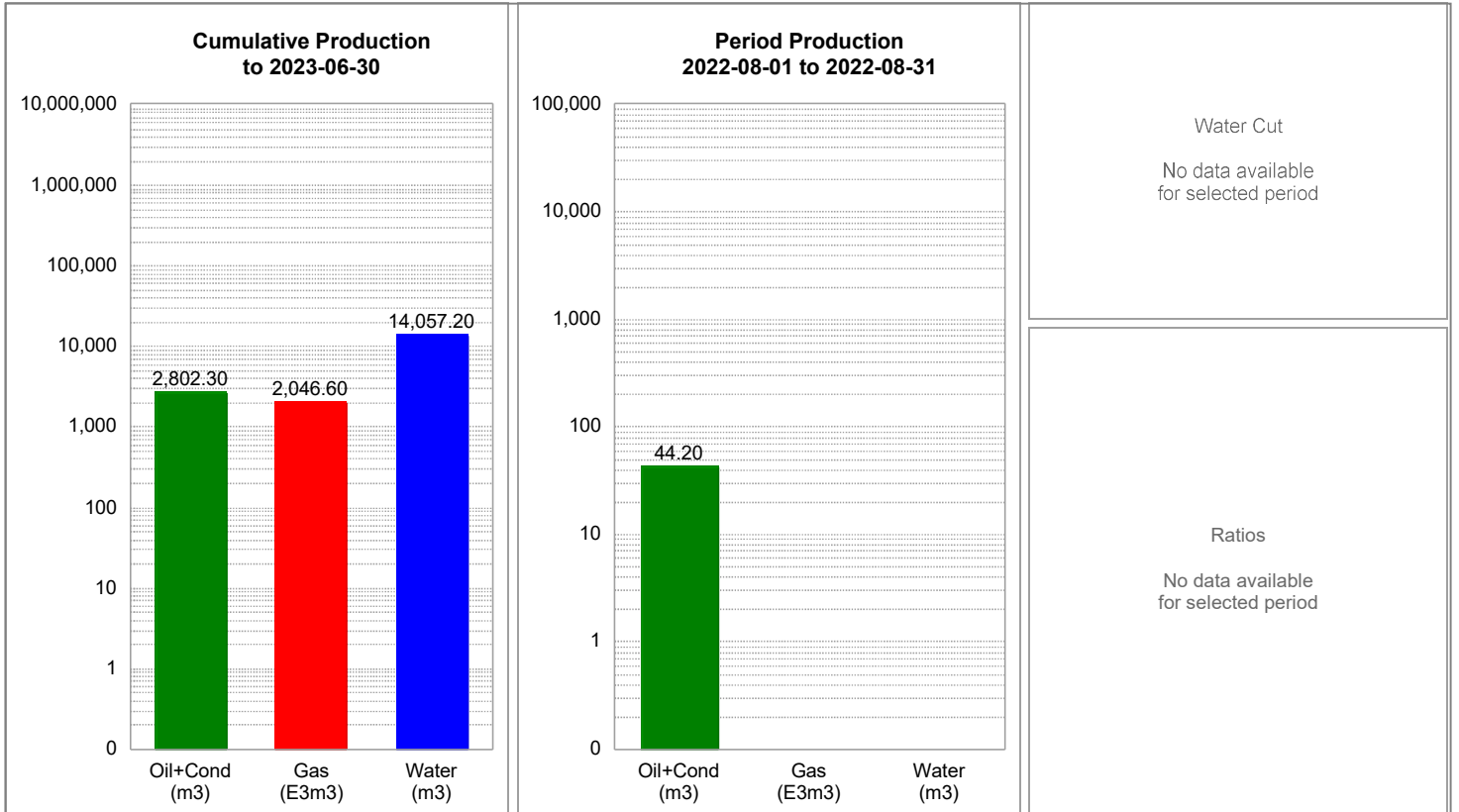
Cum Oil: 2802.3 m3  
Cum Gas: 2046.6 E3m3  
Cum Wtr: 14057.2 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 02/09-04-047-07W5/00  
Prod Form: CARSD  
On Prod Date: 2022-08-30

Hours: 48  
Oil+Cond Rate: 22.10 m3/d  
Gas Rate: 0.00 E3m3/d



## Header

UWI:	03/09-04-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080504707W500
Mode:	Pumping	Bottom Hole Location:	103090404707W500
Status:	PUMPING OIL	Surface Hole Coord:	N397.1 W140.0 m
		Bottom Hole Coord:	S773.2 W92.0 m
License		Surface Hole Latitude:	53.021874
Well Name:	BONTERRA 103 HZ PEMBINA 9-4-47-7	Surface Hole Longitude:	-114.978055
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.025402
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.952995
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0504484	Dates	
Province/State:	Alberta	License Date:	2022-06-06
Confidential:	Non-Confidential	Spud Date:	2022-08-02
Lahee:	DEVELOPMENT	Final Drill Date:	2022-08-08
Rig Type:	Horizontal	Rig Release Date:	2022-08-09
Well Type:	Horizontal	Completion Date:	2022-08-30
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2022-08-30
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-21
Surface Abandon Type:		Current Status Date:	2022-08-30
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-03-18
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	883.9 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	879.5 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3250.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1575.2 m
		Total True Vertical Depth:	1569.5 m
Play		Total Depth:	3234.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1785.2 m
		Target Depth:	
		Lateral Length:	1448.8 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2022-06-06	00720000	LICENSED
2	2022-08-02	00730000	SPUDDDED
3	2022-08-08	00740000	FINISHED DRILLING
4	2022-08-30	01110000	PUMPING OIL

System Tops (KB Elevation: 883.9 m) - No data

User Tops (KB Elevation: 883.9 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2022-08-24	TREATMENT	1801.0	3194.1	0	FRACTURED	
1	2022-08-23	TREATMENT	3193.5	3194.1	0	FRACTURED	
2	2022-08-23	TREATMENT	3146.3	3147.0	0	FRACTURED	
3	2022-08-23	TREATMENT	3099.2	3099.8	0	FRACTURED	
4	2022-08-23	TREATMENT	3052.0	3052.6	0	FRACTURED	
5	2022-08-23	TREATMENT	3005.0	3005.7	0	FRACTURED	
6	2022-08-23	TREATMENT	2958.7	2959.3	0	FRACTURED	
7	2022-08-23	TREATMENT	2911.8	2912.4	0	FRACTURED	
8	2022-08-23	TREATMENT	2864.5	2865.1	0	FRACTURED	
9	2022-08-23	TREATMENT	2817.5	2818.2	0	FRACTURED	
10	2022-08-24	TREATMENT	2770.7	2771.4	0	FRACTURED	
11	2022-08-24	TREATMENT	2723.9	2724.6	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
12	2022-08-24	TREATMENT	2677.4	2678.1	0	FRACTURED	
13	2022-08-24	TREATMENT	2630.3	2630.9	0	FRACTURED	
14	2022-08-24	TREATMENT	2583.2	2583.8	0	FRACTURED	
15	2022-08-24	TREATMENT	2536.2	2536.8	0	FRACTURED	
16	2022-08-24	TREATMENT	2489.4	2490.1	0	FRACTURED	
17	2022-08-24	TREATMENT	2442.7	2443.3	0	FRACTURED	
18	2022-08-24	TREATMENT	2395.9	2396.5	0	FRACTURED	
19	2022-08-24	TREATMENT	2349.5	2350.1	0	FRACTURED	
20	2022-08-24	TREATMENT	2303.1	2303.7	0	FRACTURED	
21	2022-08-24	TREATMENT	2256.3	2257.0	0	FRACTURED	
22	2022-08-24	TREATMENT	2209.2	2209.8	0	FRACTURED	
23	2022-08-24	TREATMENT	2162.8	2163.4	0	FRACTURED	
24	2022-08-24	TREATMENT	2116.0	2116.6	0	FRACTURED	
25	2022-08-24	TREATMENT	2069.1	2069.8	0	FRACTURED	
26	2022-08-24	TREATMENT	2021.9	2022.6	0	FRACTURED	
27	2022-08-24	TREATMENT	1975.5	1976.1	0	FRACTURED	
28	2022-08-24	TREATMENT	1929.1	1929.7	0	FRACTURED	
29	2022-08-24	TREATMENT	1882.6	1883.2	0	FRACTURED	
30	2022-08-24	TREATMENT	1836.1	1836.8	0	FRACTURED	
31	2022-08-24	TREATMENT	1801.0	1801.6	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		528.0		528.0	177.800		
2	Production		3234.0		3234.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	25.3				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	18.0	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0
2	2	Production	24.0	tonne	Class G Neat		0

## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

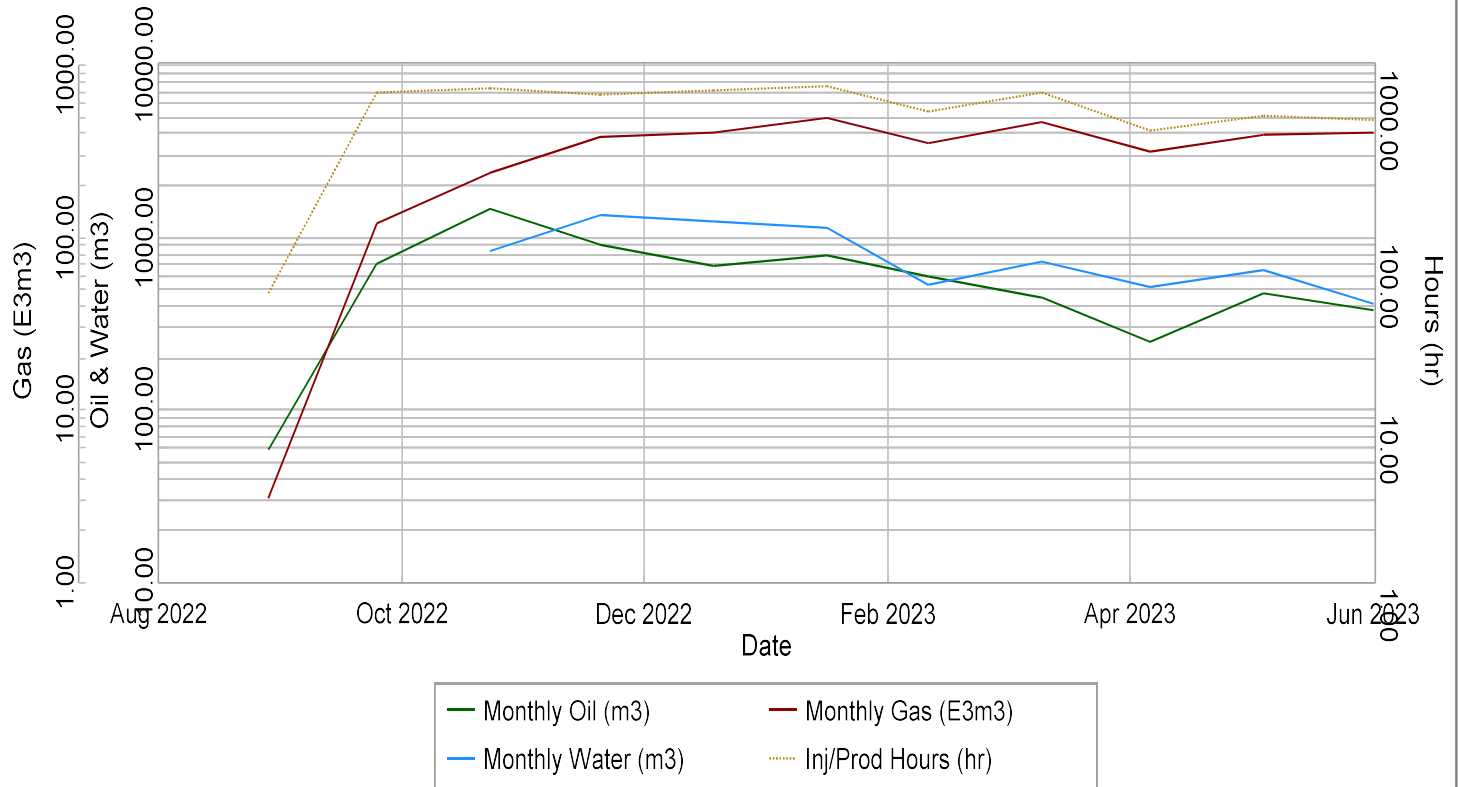
On Prod Date:	2022-08-30	Producing Hours:	991 hr
Oil + Cond (3 Mo):	867.20 m3	GOR:	922.28 m3/m3
Gas (3 Mo):	799.80 E3m3	WGR:	1.32 m3/E3m3
Water (3 Mo):	1,057.10 m3	WCT%:	54.9 %
Oil + Cond/Day:	21.00 m3/d	Gas/Day:	19.37 E3m3/d

## Production Graph

UWI: 03/09-04-047-07W5/00  
Well Name: BONTERRA 103 HZ PEMBINA  
9-4-47-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2022-08-30  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850024

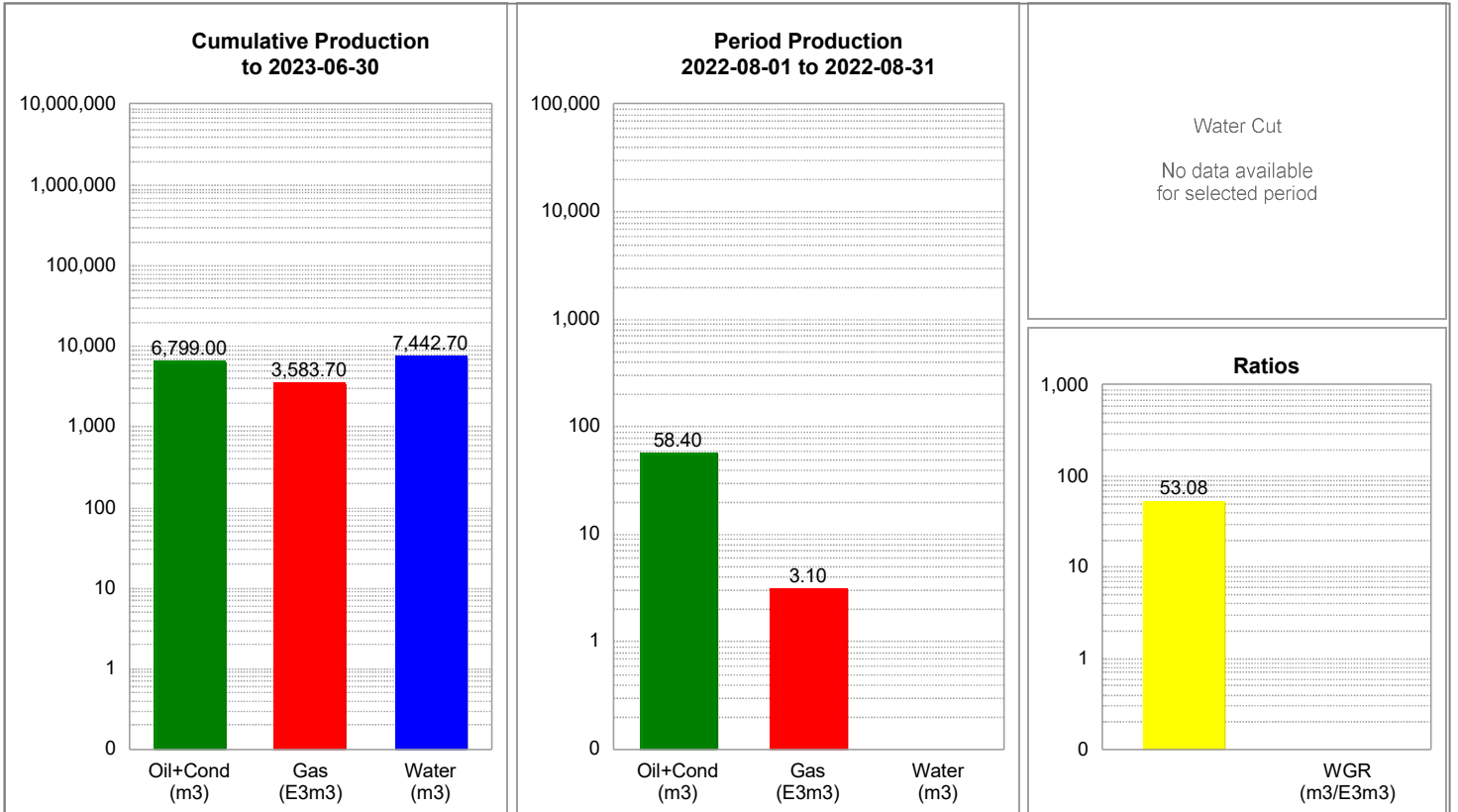
Cum Oil: 6799.0 m3  
Cum Gas: 3583.7 E3m3  
Cum Wtr: 7442.7 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 03/09-04-047-07W5/00  
Prod Form: CARSDSD  
On Prod Date: 2022-08-30

Hours: 48  
Oil+Cond Rate: 29.20 m3/d  
Gas Rate: 1.55 E3m3/d



## Header

UWI:	02/09-02-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080304707W500
Mode:	Pumping	Bottom Hole Location:	102090204707W500
Status:	PUMPING OIL	Surface Hole Coord:	N559.6 W231.6 m
		Bottom Hole Coord:	S779.0 W18.0 m
License		Surface Hole Latitude:	53.023297
Well Name:	BONTERRA 102 HZ PEMBINA 9-2-47-7	Surface Hole Longitude:	-114.930683
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.025322
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.903084
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0509396	Dates	
Province/State:	Alberta	License Date:	2023-05-18
Confidential:	Non-Confidential	Spud Date:	2023-05-27
Lahee:	DEVELOPMENT	Final Drill Date:	2023-05-30
Rig Type:	Horizontal	Rig Release Date:	2023-06-01
Well Type:	Horizontal	Completion Date:	2023-07-09
License Type:	Production	Days Drilled:	5
Well Event Type:	Parent	On Production Date:	
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	
Surface Abandon Type:		Current Status Date:	2023-07-09
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-07-20
Producing Formation:			
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	897.7 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	893.6 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3360.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1578.8 m
		Total True Vertical Depth:	1560.9 m
Play		Total Depth:	3334.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1718.1 m
		Target Depth:	
		Lateral Length:	1619.0 m
		Related Data	
		Has Digital Logs:	No
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2023-05-18	00720000	LICENSED
2	2023-05-27	00730000	SPUDDED
3	2023-05-30	00070000	DRILLED AND CASED
4	2023-07-09	01110000	PUMPING OIL

System Tops (KB Elevation: 897.7 m) - No data

User Tops (KB Elevation: 897.7 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
1	2023-06-27	TREATMENT	3305.3	3306.0	0	FRACTURED	
2	2023-06-27	TREATMENT	3259.0	3259.6	0	FRACTURED	
3	2023-06-27	TREATMENT	3212.5	3213.2	0	FRACTURED	
4	2023-06-27	TREATMENT	3166.1	3166.7	0	FRACTURED	
5	2023-06-27	TREATMENT	3108.4	3109.0	0	FRACTURED	
6	2023-06-27	TREATMENT	3061.9	3062.6	0	FRACTURED	
7	2023-06-27	TREATMENT	3015.4	3016.0	0	FRACTURED	
8	2023-06-27	TREATMENT	2969.0	2969.6	0	FRACTURED	
9	2023-06-27	TREATMENT	2911.1	2911.8	0	FRACTURED	
10	2023-06-27	TREATMENT	2865.1	2865.8	0	FRACTURED	
11	2023-06-27	TREATMENT	2818.6	2819.2	0	FRACTURED	
12	2023-06-27	TREATMENT	2772.4	2773.0	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
13	2023-06-27	TREATMENT	2714.3	2714.9	0	FRACTURED	
14	2023-06-27	TREATMENT	2667.8	2668.4	0	FRACTURED	
15	2023-06-27	TREATMENT	2621.3	2621.9	0	FRACTURED	
16	2023-06-27	TREATMENT	2574.7	2575.3	0	FRACTURED	
17	2023-06-27	TREATMENT	2516.7	2517.3	0	FRACTURED	
18	2023-06-27	TREATMENT	2470.1	2470.7	0	FRACTURED	
19	2023-06-27	TREATMENT	2423.5	2424.1	0	FRACTURED	
20	2023-06-27	TREATMENT	2377.5	2378.1	0	FRACTURED	
21	2023-06-27	TREATMENT	2319.5	2320.1	0	FRACTURED	
22	2023-06-27	TREATMENT	2273.0	2273.6	0	FRACTURED	
23	2023-06-27	TREATMENT	2226.9	2227.5	0	FRACTURED	
24	2023-06-27	TREATMENT	2180.5	2181.1	0	FRACTURED	
25	2023-06-27	TREATMENT	2122.3	2122.9	0	FRACTURED	
26	2023-06-27	TREATMENT	2064.0	2064.7	0	FRACTURED	
27	2023-06-27	TREATMENT	2017.1	2017.7	0	FRACTURED	
28	2023-06-27	TREATMENT	1970.1	1970.8	0	FRACTURED	
29	2023-06-27	TREATMENT	1911.7	1912.3	0	FRACTURED	
30	2023-06-27	TREATMENT	1865.1	1865.7	0	FRACTURED	
31	2023-06-27	TREATMENT	1818.3	1818.9	0	FRACTURED	
32	2023-06-27	TREATMENT	1771.8	1772.4	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		534.0		534.0	177.800		
2	Production		3334.0		3334.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	25.3				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	18.0	tonne	Class G Neat		0
2	2	Production	24.0	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0

Logs Run - No data

Last 3 Months Summary - No data

Production Graph - No data

Production Summary - No data



## Header

UWI:	02/08-02-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080304707W500
Mode:	Pumping	Bottom Hole Location:	102080204707W500
Status:	PUMPING OIL	Surface Hole Coord:	N549.6 W231.6 m
		Bottom Hole Coord:	N406.4 W25.1 m
License		Surface Hole Latitude:	53.023208
Well Name:	BONTERRA 102 HZ PEMBINA 8-2-47-7	Surface Hole Longitude:	-114.930682
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.021891
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.903175
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0509397	Dates	
Province/State:	Alberta	License Date:	2023-05-18
Confidential:	Non-Confidential	Spud Date:	2023-06-01
Lahee:	DEVELOPMENT	Final Drill Date:	2023-06-06
Rig Type:	Horizontal	Rig Release Date:	2023-06-07
Well Type:	Horizontal	Completion Date:	2023-07-09
License Type:	Production	Days Drilled:	6
Well Event Type:	Parent	On Production Date:	
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	
Surface Abandon Type:		Current Status Date:	2023-07-09
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-07-20
Producing Formation:			
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	897.6 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	893.5 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3350.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1574.6 m
		Total True Vertical Depth:	1574.6 m
Play		Total Depth:	3321.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1689.4 m
		Target Depth:	
		Lateral Length:	
		Related Data	
		Has Digital Logs:	No
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2023-05-18	00720000	LICENSED
2	2023-06-01	00730000	SPUDDDED
3	2023-06-06	00070000	DRILLED AND CASED
4	2023-07-09	01110000	PUMPING OIL

System Tops (KB Elevation: 897.6 m) - No data

User Tops (KB Elevation: 897.6 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
1	2023-06-28	TREATMENT	3292.1	3292.7	0	FRACTURED	
2	2023-06-28	TREATMENT	3245.2	3245.8	0	FRACTURED	
3	2023-06-28	TREATMENT	3198.5	3199.1	0	FRACTURED	
4	2023-06-28	TREATMENT	3140.0	3140.6	0	FRACTURED	
5	2023-06-28	TREATMENT	3093.0	3093.6	0	FRACTURED	
6	2023-06-28	TREATMENT	3046.6	3047.2	0	FRACTURED	
7	2023-06-28	TREATMENT	3000.1	3000.7	0	FRACTURED	
8	2023-06-28	TREATMENT	2941.7	2942.3	0	FRACTURED	
9	2023-06-28	TREATMENT	2894.7	2895.4	0	FRACTURED	
10	2023-06-28	TREATMENT	2847.8	2848.4	0	FRACTURED	
11	2023-06-28	TREATMENT	2801.1	2801.7	0	FRACTURED	
12	2023-06-28	TREATMENT	2742.5	2743.1	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
13	2023-06-28	TREATMENT	2695.8	2696.4	0	FRACTURED	
14	2023-06-28	TREATMENT	2648.9	2649.5	0	FRACTURED	
15	2023-06-28	TREATMENT	2602.4	2603.0	0	FRACTURED	
16	2023-06-28	TREATMENT	2544.5	2545.2	0	FRACTURED	
17	2023-06-28	TREATMENT	2498.1	2498.8	0	FRACTURED	
18	2023-06-28	TREATMENT	2451.3	2452.0	0	FRACTURED	
19	2023-06-28	TREATMENT	2404.4	2405.1	0	FRACTURED	
20	2023-06-28	TREATMENT	2346.9	2347.6	0	FRACTURED	
21	2023-06-28	TREATMENT	2300.3	2300.9	0	FRACTURED	
22	2023-06-28	TREATMENT	2253.6	2254.2	0	FRACTURED	
23	2023-06-28	TREATMENT	2207.2	2207.8	0	FRACTURED	
24	2023-06-28	TREATMENT	2149.5	2150.1	0	FRACTURED	
25	2023-06-28	TREATMENT	2103.1	2103.7	0	FRACTURED	
26	2023-06-28	TREATMENT	2056.4	2057.0	0	FRACTURED	
27	2023-06-29	TREATMENT	2009.8	2010.5	0	FRACTURED	
28	2023-06-29	TREATMENT	1952.2	1952.8	0	FRACTURED	
29	2023-06-29	TREATMENT	1905.7	1906.4	0	FRACTURED	
30	2023-06-29	TREATMENT	1859.1	1859.7	0	FRACTURED	
31	2023-06-29	TREATMENT	1812.1	1812.7	0	FRACTURED	
32	2023-06-29	TREATMENT	1753.6	1754.2	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		534.0		534.0	177.800		
2	Production		3321.0		3321.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	25.3
2	Production	P	110	17.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	16.5	tonne	Class G Neat		0
2	2	Production	24.0	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0

Logs Run - No data

Last 3 Months Summary - No data

Production Graph - No data

Production Summary - No data

## Header

UWI:	00/01-02-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080304707W500
Mode:	Pumping	Bottom Hole Location:	100010204707W500
Status:	PUMPING OIL	Surface Hole Coord:	N539.6 W231.6 m
		Bottom Hole Coord:	N132.1 W27.7 m
License		Surface Hole Latitude:	53.023118
Well Name:	BONTERRA HZ PEMBINA 1-2-47-7	Surface Hole Longitude:	-114.930681
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.019426
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.903203
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0509398	Dates	
Province/State:	Alberta	License Date:	2023-05-18
Confidential:	Non-Confidential	Spud Date:	2023-06-07
Lahee:	DEVELOPMENT	Final Drill Date:	2023-06-11
Rig Type:	Horizontal	Rig Release Date:	2023-06-13
Well Type:	Horizontal	Completion Date:	2023-07-08
License Type:	Production	Days Drilled:	6
Well Event Type:	Parent	On Production Date:	
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	
Surface Abandon Type:		Current Status Date:	2023-07-08
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-07-20
Producing Formation:			
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	897.7 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	893.7 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3460.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1575.3 m
		Total True Vertical Depth:	1561.6 m
Play		Total Depth:	3436.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1822.9 m
		Target Depth:	
		Lateral Length:	1613.1 m
		Related Data	
		Has Digital Logs:	No
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2023-05-18	00720000	LICENSED
2	2023-06-07	00730000	SPUDDED
3	2023-06-11	00070000	DRILLED AND CASED
4	2023-07-08	01110000	PUMPING OIL

System Tops (KB Elevation: 897.7 m) - No data

User Tops (KB Elevation: 897.7 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
1	2023-06-29	TREATMENT	3408.0	3408.7	0	FRACTURED	
2	2023-06-29	TREATMENT	3362.1	3362.7	0	FRACTURED	
3	2023-06-29	TREATMENT	3316.0	3316.6	0	FRACTURED	
4	2023-06-29	TREATMENT	3270.3	3271.0	0	FRACTURED	
5	2023-06-29	TREATMENT	3212.6	3213.3	0	FRACTURED	
6	2023-06-29	TREATMENT	3166.5	3167.2	0	FRACTURED	
7	2023-06-29	TREATMENT	3120.9	3121.5	0	FRACTURED	
8	2023-06-29	TREATMENT	3075.4	3076.0	0	FRACTURED	
9	2023-06-29	TREATMENT	3017.6	3018.3	0	FRACTURED	
10	2023-06-30	TREATMENT	2971.7	2972.4	0	FRACTURED	
11	2023-06-30	TREATMENT	2926.1	2926.8	0	FRACTURED	
12	2023-06-30	TREATMENT	2880.6	2881.2	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
13	2023-06-30	TREATMENT	2823.6	2824.2	0	FRACTURED	
14	2023-06-30	TREATMENT	2777.3	2778.0	0	FRACTURED	
15	2023-06-30	TREATMENT	2731.9	2732.6	0	FRACTURED	
16	2023-06-30	TREATMENT	2686.3	2686.9	0	FRACTURED	
17	2023-06-30	TREATMENT	2629.1	2629.8	0	FRACTURED	
18	2023-06-30	TREATMENT	2583.0	2583.6	0	FRACTURED	
19	2023-06-30	TREATMENT	2537.4	2538.0	0	FRACTURED	
20	2023-06-30	TREATMENT	2492.0	2492.6	0	FRACTURED	
21	2023-06-30	TREATMENT	2435.0	2435.6	0	FRACTURED	
22	2023-06-30	TREATMENT	2389.3	2389.9	0	FRACTURED	
23	2023-06-30	TREATMENT	2343.8	2344.4	0	FRACTURED	
24	2023-06-30	TREATMENT	2298.2	2298.9	0	FRACTURED	
25	2023-06-30	TREATMENT	2242.2	2242.8	0	FRACTURED	
26	2023-06-30	TREATMENT	2195.7	2196.3	0	FRACTURED	
27	2023-06-30	TREATMENT	2150.3	2150.9	0	FRACTURED	
28	2023-06-30	TREATMENT	2104.1	2104.7	0	FRACTURED	
29	2023-06-30	TREATMENT	2058.6	2059.2	0	FRACTURED	
30	2023-06-30	TREATMENT	2011.6	2012.2	0	FRACTURED	
31	2023-06-30	TREATMENT	1964.8	1965.5	0	FRACTURED	
32	2023-06-30	TREATMENT	1918.0	1918.7	0	FRACTURED	
33	2023-06-30	TREATMENT	1859.8	1860.4	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		534.0		534.0	177.800		
2	Production		3436.0		3436.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	25.3				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	16.5	tonne	Class G Neat		0
2	2	Production	25.0	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0

Logs Run - No data

Last 3 Months Summary - No data

Production Graph - No data

Production Summary - No data

## Header

UWI:	00/01-03-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080404707W500
Mode:	Pumping	Bottom Hole Location:	100010304707W500
Status:	PUMPING OIL	Surface Hole Coord:	N551.2 W213.3 m
		Bottom Hole Coord:	N101.5 W85.3 m
License		Surface Hole Latitude:	53.023243
Well Name:	BONTERRA HZ PEMBINA 1-3-47-7	Surface Hole Longitude:	-114.954785
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.019179
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.928459
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0490317	Dates	
Province/State:	Alberta	License Date:	2018-08-03
Confidential:	Non-Confidential	Spud Date:	2018-09-01
Lahee:	DEVELOPMENT	Final Drill Date:	2018-09-07
Rig Type:	Horizontal	Rig Release Date:	2018-09-08
Well Type:	Horizontal	Completion Date:	2018-10-16
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2018-10-16
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2018-10-16
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2019-02-16
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	878.6 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	872.8 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3350.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1568.9 m
		Total True Vertical Depth:	1559.1 m
Play		Total Depth:	3195.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1446.1 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2018-08-03	00720000	LICENSED
2	2018-09-01	00730000	SPUDDDED
3	2018-09-07	00740000	FINISHED DRILLING
4	2018-09-08	00750000	RIG RELEASED
5	2018-09-07	00070000	DRILLED AND CASED
6	2018-10-16	01110000	PUMPING OIL

## System Tops (KB Elevation: 878.6 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	951.0	968.8	-72.4	286.1	
LEAPRK	1237.1	1274.1	-358.5	129.4	
COLRAD	1366.5	1412.3	-487.9	168.7	
CARD	1535.2	1653.6	-656.6	23.8	
CARDSD	1559.0	1721.3	-680.4		

Total TVD:	1559.1 m	Projected Formation:	CARDIUM
Total Depth:	3195.0 m	Projected Total Depth:	3350.0 m

User Tops (KB Elevation: 878.6 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2018-10-12	TREATMENT	1771.9	3157.2	0	FRACTURED	
1	2018-10-11	TREATMENT	3155.3	3157.2	0	FRACTURED	
2	2018-10-11	TREATMENT	3107.7	3109.6	0	FRACTURED	
3	2018-10-11	TREATMENT	3059.4	3061.3	0	FRACTURED	
4	2018-10-11	TREATMENT	3011.0	3012.9	0	FRACTURED	
5	2018-10-11	TREATMENT	2962.3	2964.2	0	FRACTURED	
6	2018-10-11	TREATMENT	2914.3	2916.2	0	FRACTURED	
7	2018-10-11	TREATMENT	2866.6	2868.5	0	FRACTURED	
8	2018-10-11	TREATMENT	2818.3	2820.2	0	FRACTURED	
9	2018-10-11	TREATMENT	2770.7	2772.6	0	FRACTURED	
10	2018-10-11	TREATMENT	2722.3	2724.2	0	FRACTURED	
11	2018-10-11	TREATMENT	2674.1	2676.0	0	FRACTURED	
12	2018-10-11	TREATMENT	2625.7	2627.6	0	FRACTURED	
13	2018-10-11	TREATMENT	2577.7	2579.6	0	FRACTURED	
14	2018-10-11	TREATMENT	2529.4	2531.3	0	FRACTURED	
15	2018-10-11	TREATMENT	2481.7	2483.6	0	FRACTURED	
16	2018-10-11	TREATMENT	2430.8	2432.8	0	FRACTURED	
17	2018-10-11	TREATMENT	2380.3	2382.2	0	FRACTURED	
18	2018-10-11	TREATMENT	2329.4	2331.3	0	FRACTURED	
19	2018-10-11	TREATMENT	2278.8	2280.7	0	FRACTURED	
20	2018-10-11	TREATMENT	2228.3	2230.2	0	FRACTURED	
21	2018-10-11	TREATMENT	2177.6	2179.5	0	FRACTURED	
22	2018-10-11	TREATMENT	2126.7	2128.6	0	FRACTURED	
23	2018-10-11	TREATMENT	2076.2	2078.1	0	FRACTURED	
24	2018-10-11	TREATMENT	2025.6	2027.5	0	FRACTURED	
25	2018-10-11	TREATMENT	1974.9	1976.8	0	FRACTURED	
26	2018-10-11	TREATMENT	1924.0	1925.9	0	FRACTURED	
27	2018-10-11	TREATMENT	1873.7	1875.6	0	FRACTURED	
28	2018-10-12	TREATMENT	1823.4	1825.3	0	FRACTURED	
29	2018-10-12	TREATMENT	1771.9	1773.8	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		491.0		491.0	177.800		
2	Production		3195.0	CARDSD	3195.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	24.0	tonne	Class G Neat		0
2	1	Production	11.0	tonne	Light Weight		0
2	2	Production	23.0	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

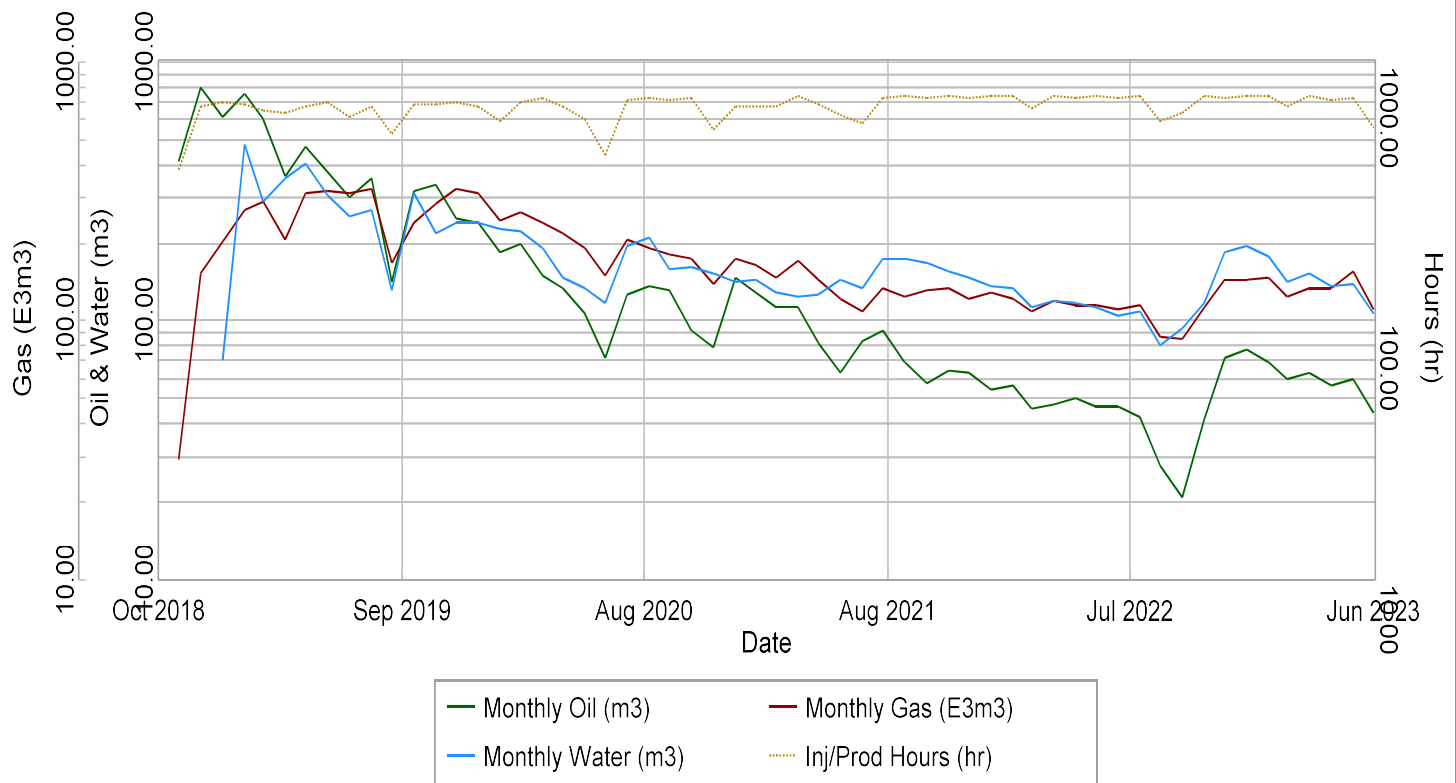
On Prod Date:	2018-10-16	Producing Hours:	1280 hr
Oil + Cond (3 Mo):	103.70 m3	GOR:	2,553.52 m3/m3
Gas (3 Mo):	264.80 E3m3	WGR:	0.92 m3/E3m3
Water (3 Mo):	244.40 m3	WCT%:	70.2 %
Oil + Cond/Day:	1.94 m3/d	Gas/Day:	4.97 E3m3/d
		Cum Oil + Cond:	9,791.70 m3
		Cum Gas:	9,935.30 E3m3
		Cum Water:	9,723.40 m3

## Production Graph

UWI: 00/01-03-047-07W5/00  
Well Name: BONTERRA HZ PEMBINA 1-3-47-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2018-10-16  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850129

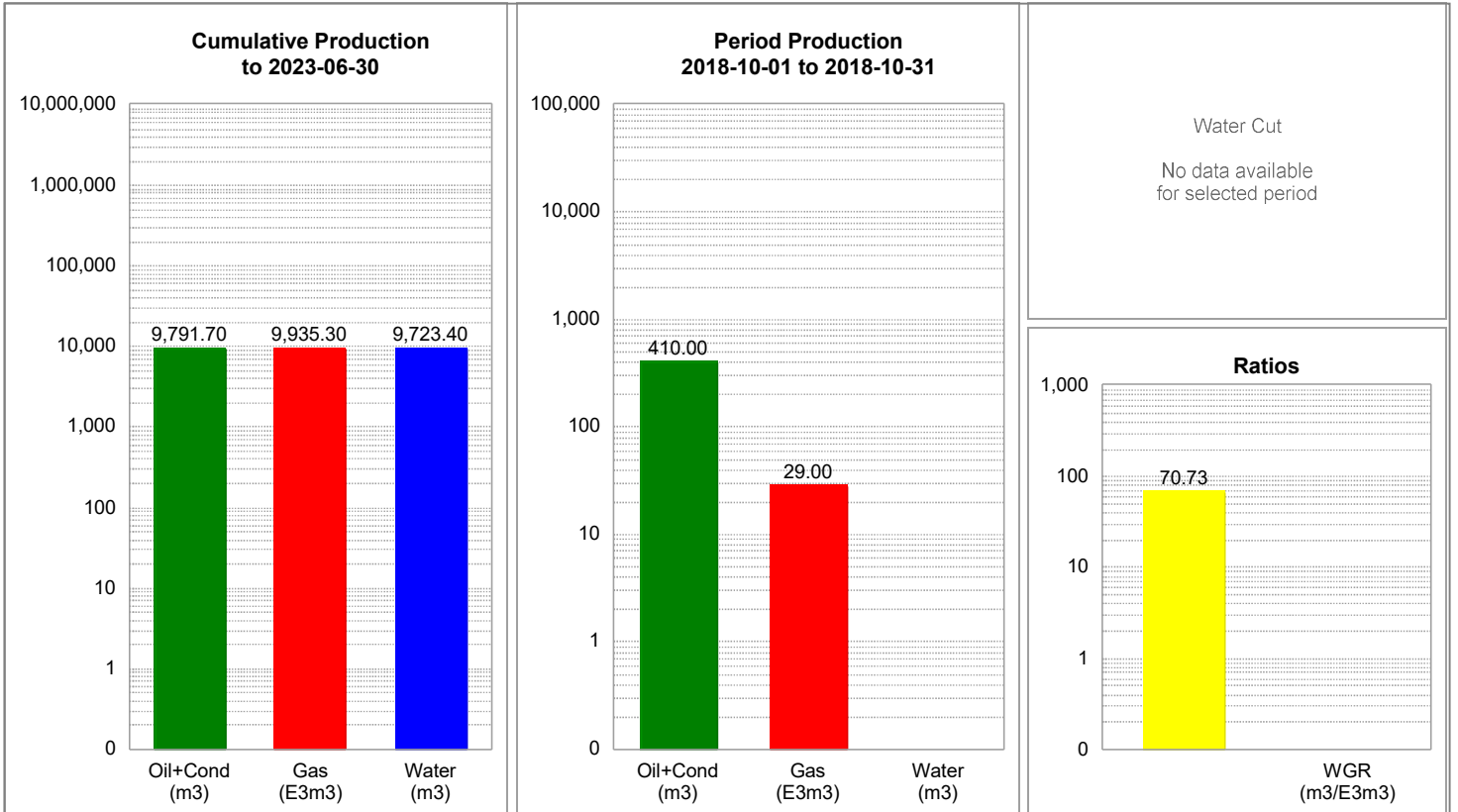
Cum Oil: 9791.7 m3  
Cum Gas: 9935.3 E3m3  
Cum Wtr: 9723.4 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 00/01-03-047-07W5/00  
Prod Form: CARSD  
On Prod Date: 2018-10-16

Hours: 384  
Oil+Cond Rate: 25.62 m3/d  
Gas Rate: 1.81 E3m3/d





## Header

UWI:	02/08-03-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100080404707W500
Mode:	Pumping	Bottom Hole Location:	102080304707W500
Status:	PUMPING OIL	Surface Hole Coord:	N551.2 W203.3 m
		Bottom Hole Coord:	N701.3 W82.4 m
License		Surface Hole Latitude:	53.023242
Well Name:	BONTERRA 102 HZ PEMBINA 8-3-47-7	Surface Hole Longitude:	-114.954636
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.024568
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.928477
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0490307	Dates	
Province/State:	Alberta	License Date:	2018-08-03
Confidential:	Non-Confidential	Spud Date:	2018-08-24
Lahee:	DEVELOPMENT	Final Drill Date:	2018-08-30
Rig Type:	Horizontal	Rig Release Date:	2018-09-01
Well Type:	Horizontal	Completion Date:	2018-10-15
License Type:	Production	Days Drilled:	8
Well Event Type:	Parent	On Production Date:	2018-10-15
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2018-10-15
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2019-02-23
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	877.8 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	872.6 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3200.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1564.3 m
		Total True Vertical Depth:	1554.8 m
Play		Total Depth:	3183.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2018-08-03	00720000	LICENSED
2	2018-08-24	00730000	SPUDDDED
3	2018-08-30	00740000	FINISHED DRILLING
4	2018-09-01	00750000	RIG RELEASED
5	2018-08-30	00070000	DRILLED AND CASED
6	2018-10-15	01110000	PUMPING OIL

## System Tops (KB Elevation: 877.8 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	928.8	928.9	-51.0	305.7	
LEAPRK	1234.5	1234.7	-356.7	133.8	
COLRAD	1368.3	1378.0	-490.5	164.0	
CARD	1532.3	1647.5	-654.5	23.2	
CARDSD	1555.5	1707.7	-677.7		

Total TVD:	1554.8 m	Projected Formation:	CARDIUM
Total Depth:	3183.0 m	Projected Total Depth:	3200.0 m

User Tops (KB Elevation: 877.8 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2018-10-08	TREATMENT	1766.1	3144.8	0	FRACTURED	
1	2018-10-08	TREATMENT	3142.8	3144.8	0	FRACTURED	
2	2018-10-08	TREATMENT	3095.2	3097.1	0	FRACTURED	
3	2018-10-08	TREATMENT	3047.6	3049.6	0	FRACTURED	
4	2018-10-08	TREATMENT	3000.0	3001.9	0	FRACTURED	
5	2018-10-08	TREATMENT	2951.6	2953.5	0	FRACTURED	
6	2018-10-08	TREATMENT	2903.8	2905.7	0	FRACTURED	
7	2018-10-08	TREATMENT	2856.3	2858.2	0	FRACTURED	
8	2018-10-08	TREATMENT	2808.5	2810.4	0	FRACTURED	
9	2018-10-08	TREATMENT	2760.9	2762.8	0	FRACTURED	
10	2018-10-08	TREATMENT	2713.1	2715.0	0	FRACTURED	
11	2018-10-08	TREATMENT	2664.5	2666.4	0	FRACTURED	
12	2018-10-08	TREATMENT	2616.9	2618.8	0	FRACTURED	
13	2018-10-08	TREATMENT	2568.8	2570.7	0	FRACTURED	
14	2018-10-08	TREATMENT	2521.4	2523.3	0	FRACTURED	
15	2018-10-08	TREATMENT	2473.9	2475.8	0	FRACTURED	
16	2018-10-08	TREATMENT	2426.1	2428.0	0	FRACTURED	
17	2018-10-08	TREATMENT	2378.3	2380.2	0	FRACTURED	
18	2018-10-08	TREATMENT	2330.3	2332.3	0	FRACTURED	
19	2018-10-08	TREATMENT	2282.1	2284.1	0	FRACTURED	
20	2018-10-08	TREATMENT	2234.5	2236.4	0	FRACTURED	
21	2018-10-08	TREATMENT	2186.9	2188.8	0	FRACTURED	
22	2018-10-08	TREATMENT	2137.8	2139.7	0	FRACTURED	
23	2018-10-08	TREATMENT	2090.6	2092.5	0	FRACTURED	
24	2018-10-08	TREATMENT	2042.9	2044.9	0	FRACTURED	
25	2018-10-08	TREATMENT	1995.0	1996.9	0	FRACTURED	
26	2018-10-08	TREATMENT	1946.7	1948.6	0	FRACTURED	
27	2018-10-08	TREATMENT	1898.7	1900.6	0	FRACTURED	
28	2018-10-08	TREATMENT	1851.0	1852.9	0	FRACTURED	
29	2018-10-08	TREATMENT	1803.1	1805.0	0	FRACTURED	
30	2018-10-08	TREATMENT	1766.1	1768.0	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		491.0		491.0	177.800		
2	Production		3183.0	CARDSD	3183.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	29.8
2	Production	P	110	17.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	24.0	tonne	Class G Neat		0
2	1	Production	10.0	tonne	Light Weight		0
2	2	Production	25.0	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

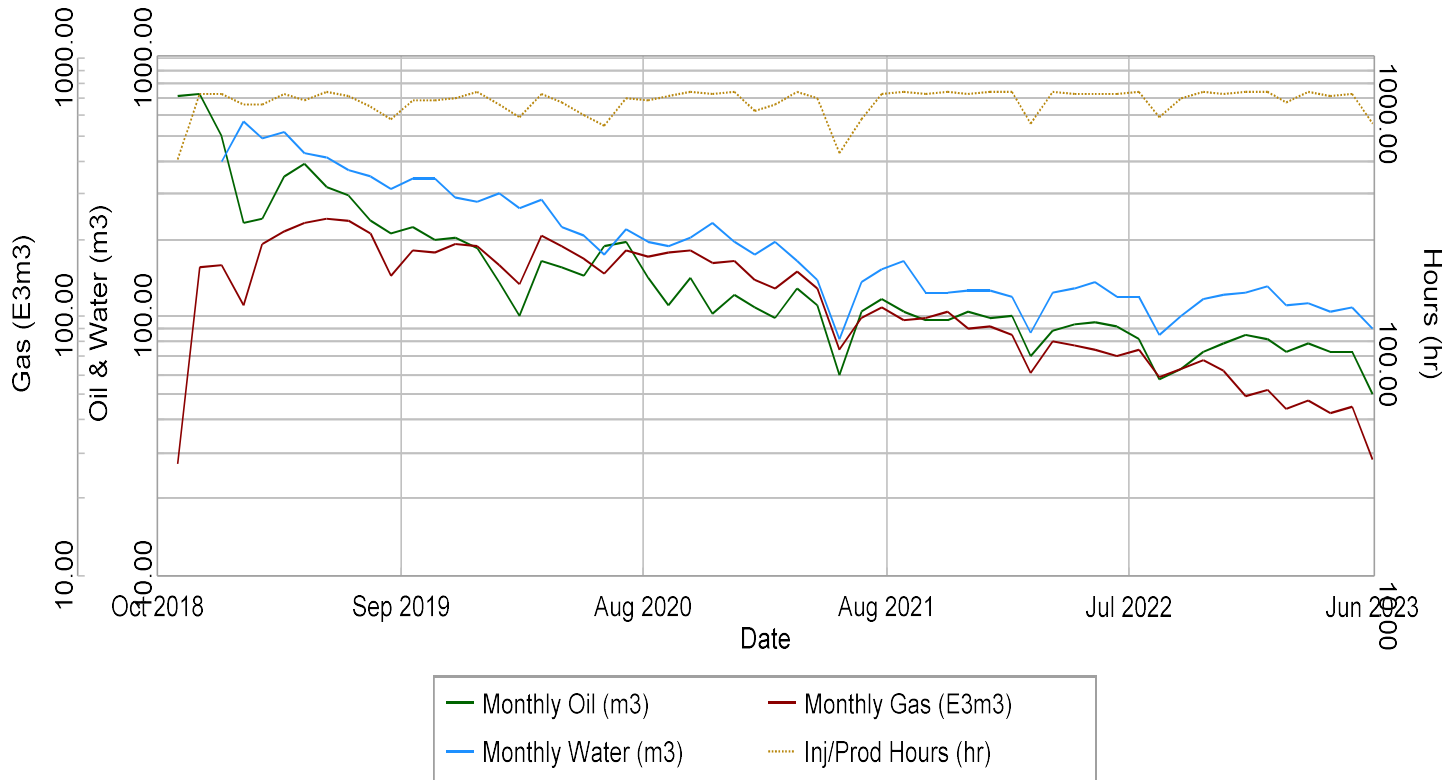
On Prod Date:	2018-10-15	Producing Hours:	1280 hr
Oil + Cond (3 Mo):	124.10 m3	GOR:	589.04 m3/m3
Gas (3 Mo):	73.10 E3m3	WGR:	2.73 m3/E3m3
Water (3 Mo):	199.20 m3	WCT%:	61.6 %
Oil + Cond/Day:	2.33 m3/d	Gas/Day:	1.37 E3m3/d

## Production Graph

UWI: 02/08-03-047-07W5/00  
Well Name: BONTERRA 102 HZ PEMBINA  
8-3-47-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2018-10-15  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850129

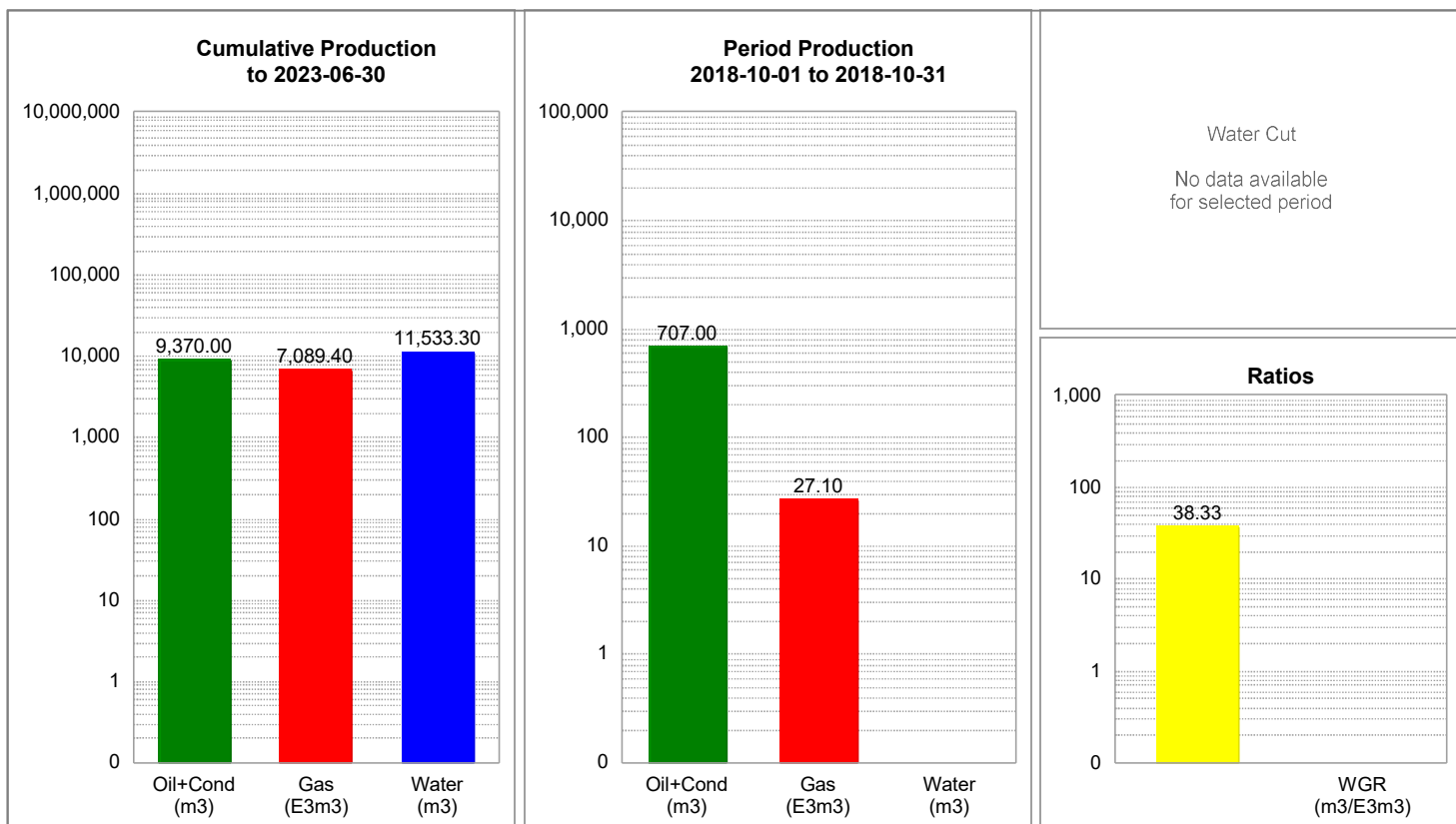
Cum Oil: 9370.0 m3  
Cum Gas: 7089.4 E3m3  
Cum Wtr: 11533.3 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



# Production Summary

UWI: 02/08-03-047-07W5/00  
 Prod Form: CARSD  
 On Prod Date: 2018-10-15

Hours: 408  
 Oil+Cond Rate: 41.59 m3/d  
 Gas Rate: 1.59 E3m3/d



This well has 2 event sequences.

#### Header

UWI:	03/08-03-047-07W5/02	Location	
Fluid:	Oil	Surface Hole Location:	100080404707W500
Mode:	Pumping	Bottom Hole Location:	103080304707W502
Status:	PUMPING OIL	Surface Hole Coord:	N551.3 W188.3 m
		Bottom Hole Coord:	N406.2 W85.5 m
License		Surface Hole Latitude:	53.023243
Well Name:	BONTERRA 103 HZ PEMBINA 8-3-47-7	Surface Hole Longitude:	-114.954412
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.021917
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.928492
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0490334	Dates	
Province/State:	Alberta	License Date:	2018-08-03
Confidential:	Non-Confidential	Spud Date:	2018-08-14
Lahee:	DEVELOPMENT	Final Drill Date:	2018-08-21
Rig Type:	Horizontal	Rig Release Date:	2018-08-23
Well Type:	Horizontal	Completion Date:	2018-10-17
License Type:	Production	Days Drilled:	9
Well Event Type:	Drilling/Leg	On Production Date:	2018-10-17
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2018-10-17
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2019-02-16
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	878.1 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	873.6 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3175.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1569.1 m
		Total True Vertical Depth:	1558.6 m
Play		Total Depth:	3178.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1445.2 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

#### Status History

#	Date	Code	Status
1	2018-08-03	00720000	LICENSED
2	2018-08-14	00730000	SPUDDED
3	2018-08-21	00740000	FINISHED DRILLING
4	2018-08-23	00750000	RIG RELEASED
5	2018-08-21	00070000	DRILLED AND CASED
6	2018-10-17	01110000	PUMPING OIL

#### System Tops (KB Elevation: 878.1 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	930.3	930.7	-52.2	304.3	
LEAPRK	1234.6	1235.1	-356.5	133.4	
COLRAD	1368.0	1374.0	-489.9	167.9	
CARD	1535.9	1647.2	-657.8	23.0	
CARDSD	1558.9	1701.0	-680.8		

Total TVD:	1558.6 m	Projected Formation:	CARDIUM
Total Depth:	3178.0 m	Projected Total Depth:	3175.0 m

User Tops (KB Elevation: 878.1 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2018-10-10	TREATMENT	1739.0	3137.8	0	FRACTURED	
1	2018-10-09	TREATMENT	3135.8	3137.8	0	FRACTURED	
2	2018-10-09	TREATMENT	3085.9	3087.7	0	FRACTURED	
3	2018-10-09	TREATMENT	3035.9	3037.8	0	FRACTURED	
4	2018-10-09	TREATMENT	2985.9	2987.8	0	FRACTURED	
5	2018-10-09	TREATMENT	2935.8	2937.7	0	FRACTURED	
6	2018-10-09	TREATMENT	2886.1	2888.0	0	FRACTURED	
7	2018-10-10	TREATMENT	2835.9	2837.8	0	FRACTURED	
8	2018-10-10	TREATMENT	2785.5	2787.4	0	FRACTURED	
9	2018-10-10	TREATMENT	2735.7	2737.6	0	FRACTURED	
10	2018-10-10	TREATMENT	2685.9	2687.8	0	FRACTURED	
11	2018-10-10	TREATMENT	2635.9	2637.8	0	FRACTURED	
12	2018-10-10	TREATMENT	2586.3	2588.2	0	FRACTURED	
13	2018-10-10	TREATMENT	2536.2	2538.1	0	FRACTURED	
14	2018-10-10	TREATMENT	2486.2	2488.1	0	FRACTURED	
15	2018-10-10	TREATMENT	2436.1	2438.0	0	FRACTURED	
16	2018-10-10	TREATMENT	2385.8	2387.7	0	FRACTURED	
17	2018-10-10	TREATMENT	2335.9	2337.8	0	FRACTURED	
18	2018-10-10	TREATMENT	2286.0	2287.9	0	FRACTURED	
19	2018-10-10	TREATMENT	2237.0	2238.9	0	FRACTURED	
20	2018-10-10	TREATMENT	2188.4	2190.3	0	FRACTURED	
21	2018-10-10	TREATMENT	2138.4	2140.3	0	FRACTURED	
22	2018-10-10	TREATMENT	2088.4	2090.3	0	FRACTURED	
23	2018-10-10	TREATMENT	2038.7	2040.6	0	FRACTURED	
24	2018-10-10	TREATMENT	1988.8	1990.8	0	FRACTURED	
25	2018-10-10	TREATMENT	1938.7	1940.6	0	FRACTURED	
26	2018-10-10	TREATMENT	1888.9	1890.8	0	FRACTURED	
27	2018-10-10	TREATMENT	1839.2	1841.1	0	FRACTURED	
28	2018-10-10	TREATMENT	1789.1	1791.0	0	FRACTURED	
29	2018-10-10	TREATMENT	1739.0	1740.9	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		491.0		491.0	177.800		
2	Production		3178.0	CARDSD	3178.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	25.0	tonne	Class G Neat		0
2	1	Production	11.0	tonne	Light Weight		0
2	2	Production	22.5	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

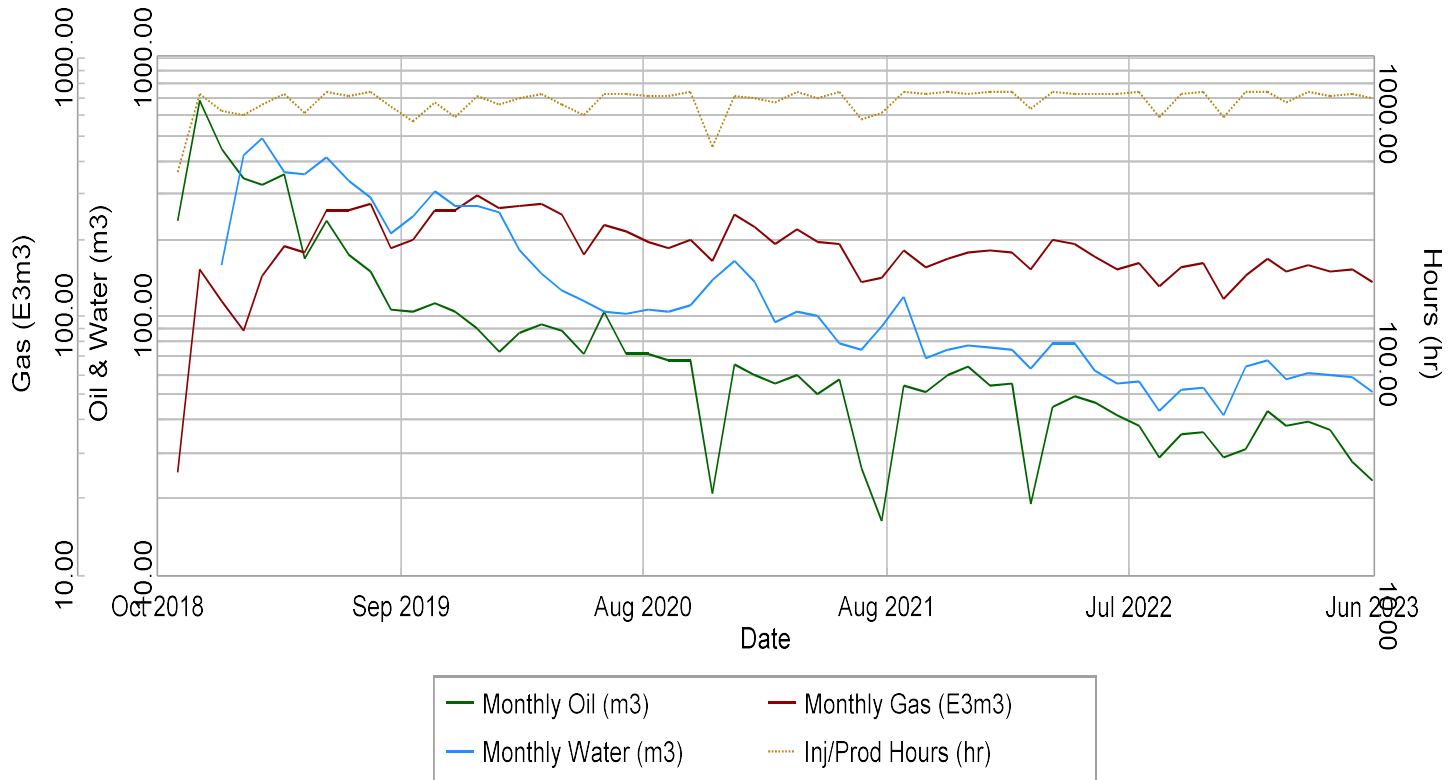
On Prod Date:	2018-10-17	Producing Hours:	1424 hr
Oil + Cond (3 Mo):	51.00 m3	GOR:	5,633.33 m3/m3
Gas (3 Mo):	287.30 E3m3	WGR:	0.38 m3/E3m3
Water (3 Mo):	110.00 m3	WCT%:	68.3 %
Oil + Cond/Day:	0.86 m3/d	Gas/Day:	4.84 E3m3/d
		Cum Oil + Cond:	5,794.10 m3
		Cum Gas:	10,519.00 E3m3
		Cum Water:	7,962.10 m3

## Production Graph

UWI: 03/08-03-047-07W5/02  
Well Name: BONTERRA 103 HZ PEMBINA  
8-3-47-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2018-10-17  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850129

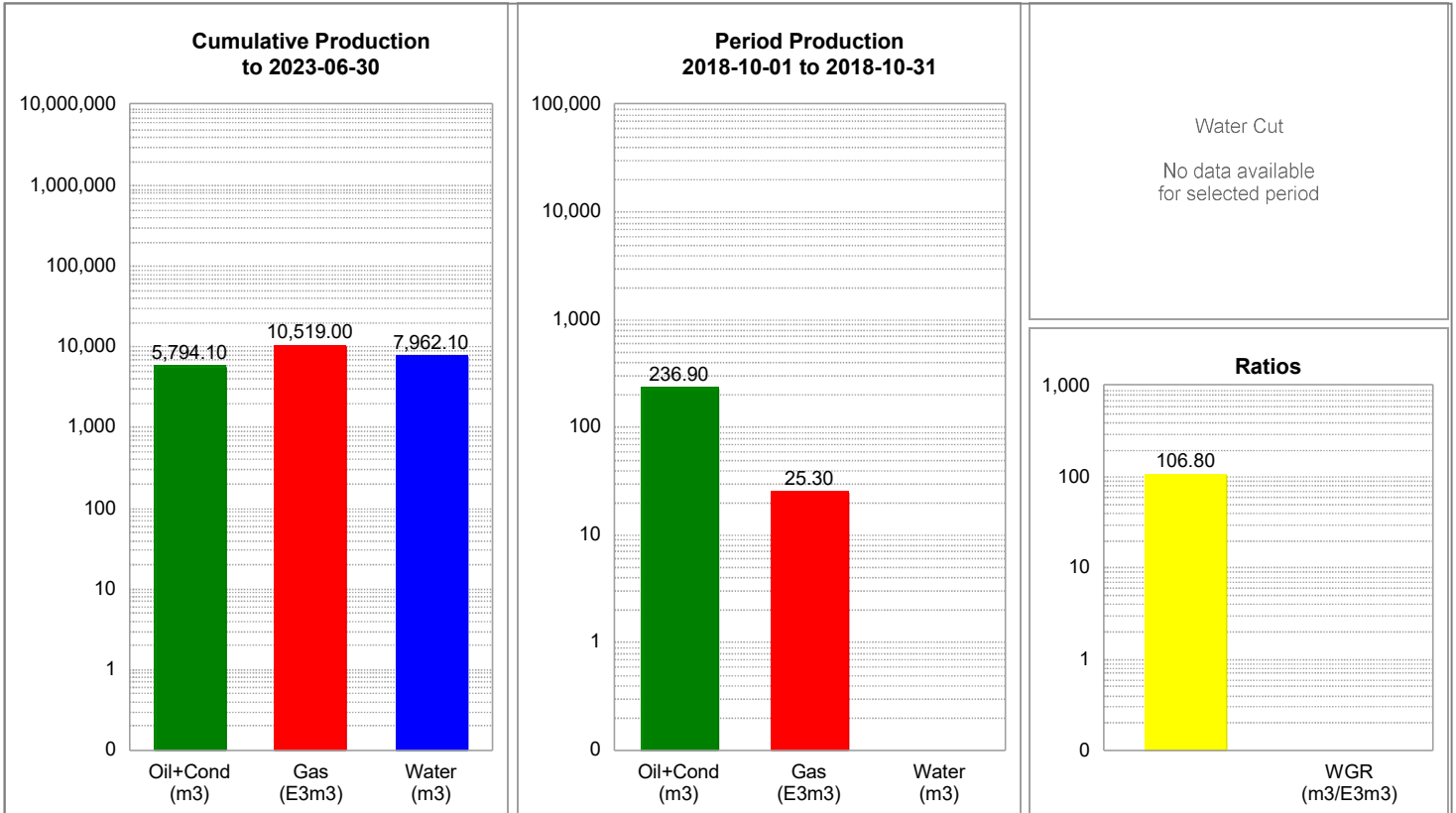
Cum Oil: 5794.1 m3  
Cum Gas: 10519.0 E3m3  
Cum Wtr: 7962.1 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 03/08-03-047-07W5/02  
Prod Form: CARSD  
On Prod Date: 2018-10-17

Hours: 360  
Oil+Cond Rate: 15.79 m3/d  
Gas Rate: 1.69 E3m3/d





## Header

UWI:	00/08-35-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100023404607W500
Mode:	Pumping	Bottom Hole Location:	100083504607W500
Status:	PUMPING OIL	Surface Hole Coord:	N192.6 W603.5 m
		Bottom Hole Coord:	N550.1 W322.6 m
License		Surface Hole Latitude:	53.005756
Well Name:	BONTERRA HZ PEMBINA 8-35-46-7	Surface Hole Longitude:	-114.927956
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.008919
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.899628
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0494453	Dates	
Province/State:	Alberta	License Date:	2019-05-14
Confidential:	Non-Confidential	Spud Date:	2019-07-17
Lahee:	DEVELOPMENT	Final Drill Date:	2019-07-23
Rig Type:	Horizontal	Rig Release Date:	2019-07-25
Well Type:	Horizontal	Completion Date:	2019-09-01
License Type:	Production	Days Drilled:	8
Well Event Type:	Parent	On Production Date:	2019-09-02
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2019-09-01
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2021-02-01
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	902.9 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	898.8 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3140.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1582.1 m
		Total True Vertical Depth:	1570.7 m
Play		Total Depth:	3240.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1439.8 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2019-05-14	00720000	LICENSED
2	2019-07-17	00730000	SPUDDED
3	2019-07-23	00740000	FINISHED DRILLING
4	2019-07-25	00750000	RIG RELEASED
5	2019-07-23	00070000	DRILLED AND CASED
6	2019-09-01	01110000	PUMPING OIL

## System Tops (KB Elevation: 902.9 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	912.8	926.9	-9.9	336.4	
LEAPRK	1249.2	1299.6	-346.3	137.0	
COLRAD	1386.2	1450.1	-483.3	162.0	
CARD	1548.2	1703.2	-645.3	22.9	
CARDSD	1571.1	1781.6	-668.2		

Total TVD:	1570.7 m	Projected Formation:	CARDIUM
Total Depth:	3240.0 m	Projected Total Depth:	3140.0 m

User Tops (KB Elevation: 902.9 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2019-08-20	TREATMENT	1805.0	3212.8	0	FRACTURED	
1	2019-08-19	TREATMENT	3210.9	3212.8	0	FRACTURED	
2	2019-08-19	TREATMENT	3171.3	3173.2	0	FRACTURED	
3	2019-08-19	TREATMENT	3115.4	3117.3	0	FRACTURED	
4	2019-08-19	TREATMENT	3070.8	3072.7	0	FRACTURED	
5	2019-08-19	TREATMENT	3012.9	3014.8	0	FRACTURED	
6	2019-08-19	TREATMENT	2968.1	2970.0	0	FRACTURED	
7	2019-08-19	TREATMENT	2910.4	2912.3	0	FRACTURED	
8	2019-08-19	TREATMENT	2867.4	2869.3	0	FRACTURED	
9	2019-08-19	TREATMENT	2811.4	2813.4	0	FRACTURED	
10	2019-08-19	TREATMENT	2766.6	2768.5	0	FRACTURED	
11	2019-08-19	TREATMENT	2708.6	2710.5	0	FRACTURED	
12	2019-08-19	TREATMENT	2666.3	2668.2	0	FRACTURED	
13	2019-08-19	TREATMENT	2609.7	2611.6	0	FRACTURED	
14	2019-08-19	TREATMENT	2565.1	2567.0	0	FRACTURED	
15	2019-08-19	TREATMENT	2507.5	2509.4	0	FRACTURED	
16	2019-08-19	TREATMENT	2462.8	2464.7	0	FRACTURED	
17	2019-08-19	TREATMENT	2406.4	2408.3	0	FRACTURED	
18	2019-08-19	TREATMENT	2361.9	2363.8	0	FRACTURED	
19	2019-08-19	TREATMENT	2306.3	2308.2	0	FRACTURED	
20	2019-08-19	TREATMENT	2261.6	2263.5	0	FRACTURED	
21	2019-08-19	TREATMENT	2203.7	2205.7	0	FRACTURED	
22	2019-08-19	TREATMENT	2161.3	2163.2	0	FRACTURED	
23	2019-08-19	TREATMENT	2105.3	2107.2	0	FRACTURED	
24	2019-08-19	TREATMENT	2060.7	2062.6	0	FRACTURED	
25	2019-08-19	TREATMENT	2003.0	2004.9	0	FRACTURED	
26	2019-08-19	TREATMENT	1960.0	1962.0	0	FRACTURED	
27	2019-08-20	TREATMENT	1902.8	1904.7	0	FRACTURED	
28	2019-08-20	TREATMENT	1858.4	1860.3	0	FRACTURED	
29	2019-08-20	TREATMENT	1805.0	1806.9	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		539.0		539.0	177.800		
2	Production		3240.0	CARDSD	3240.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	22.5	tonne	Class G Neat		0
2	1	Production	12.0	tonne	Light Weight		0
2	2	Production	22.5	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY
2	COMPENSATED NEUTRON LOG
3	PERFORATION LOG

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

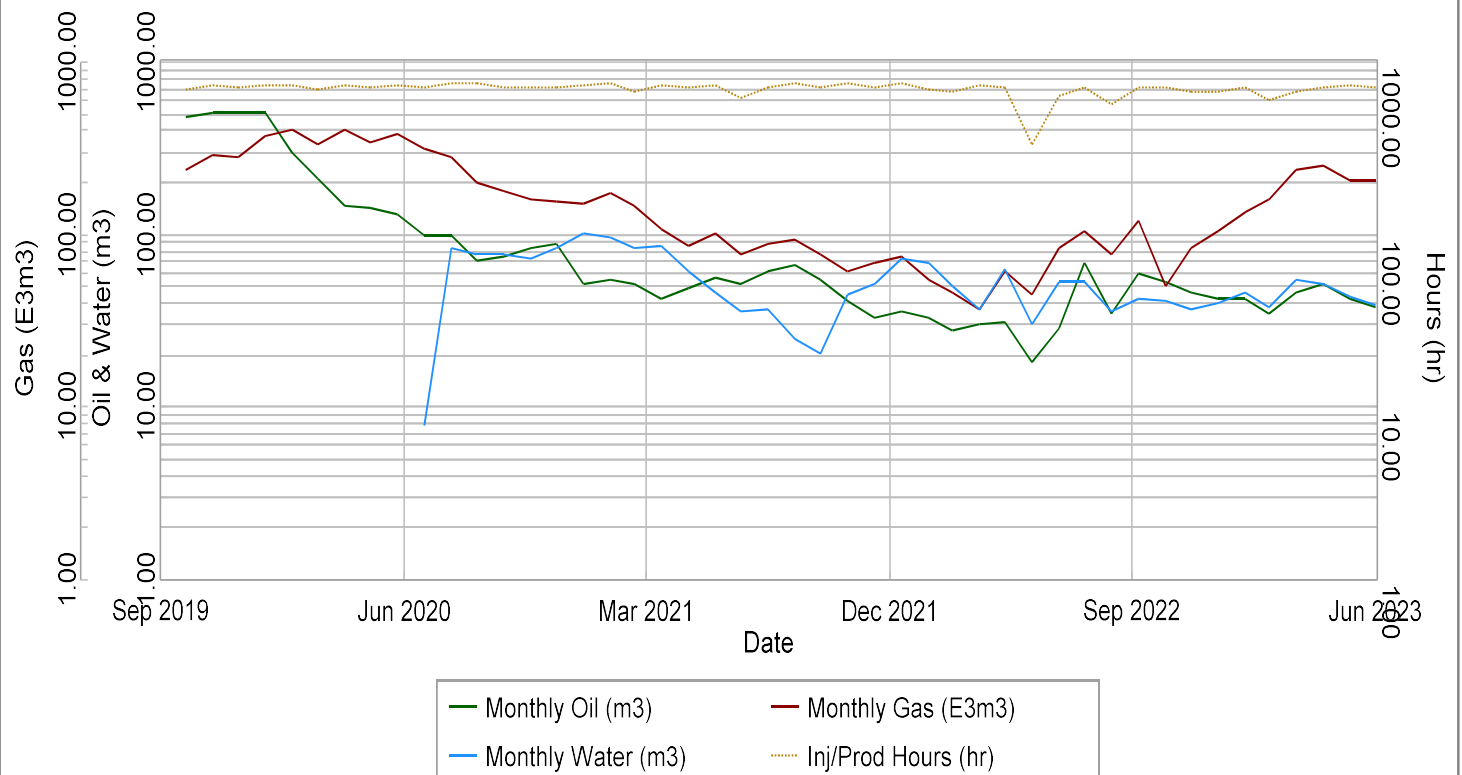
On Prod Date:	2019-09-02	Producing Hours:	1456 hr
Oil + Cond (3 Mo):	80.50 m3	GOR:	5,124.22 m3/m3
Gas (3 Mo):	412.50 E3m3	WGR:	0.20 m3/E3m3
Water (3 Mo):	82.80 m3	WCT%:	50.7 %
Oil + Cond/Day:	1.33 m3/d	Gas/Day:	6.80 E3m3/d
		Cum Oil + Cond:	4,831.30 m3
		Cum Gas:	7,703.50 E3m3
		Cum Water:	1,983.70 m3

## Production Graph

UWI: 00/08-35-046-07W5/00  
Well Name: BONTERRA HZ PEMBINA 8-35-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2019-09-02  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850659

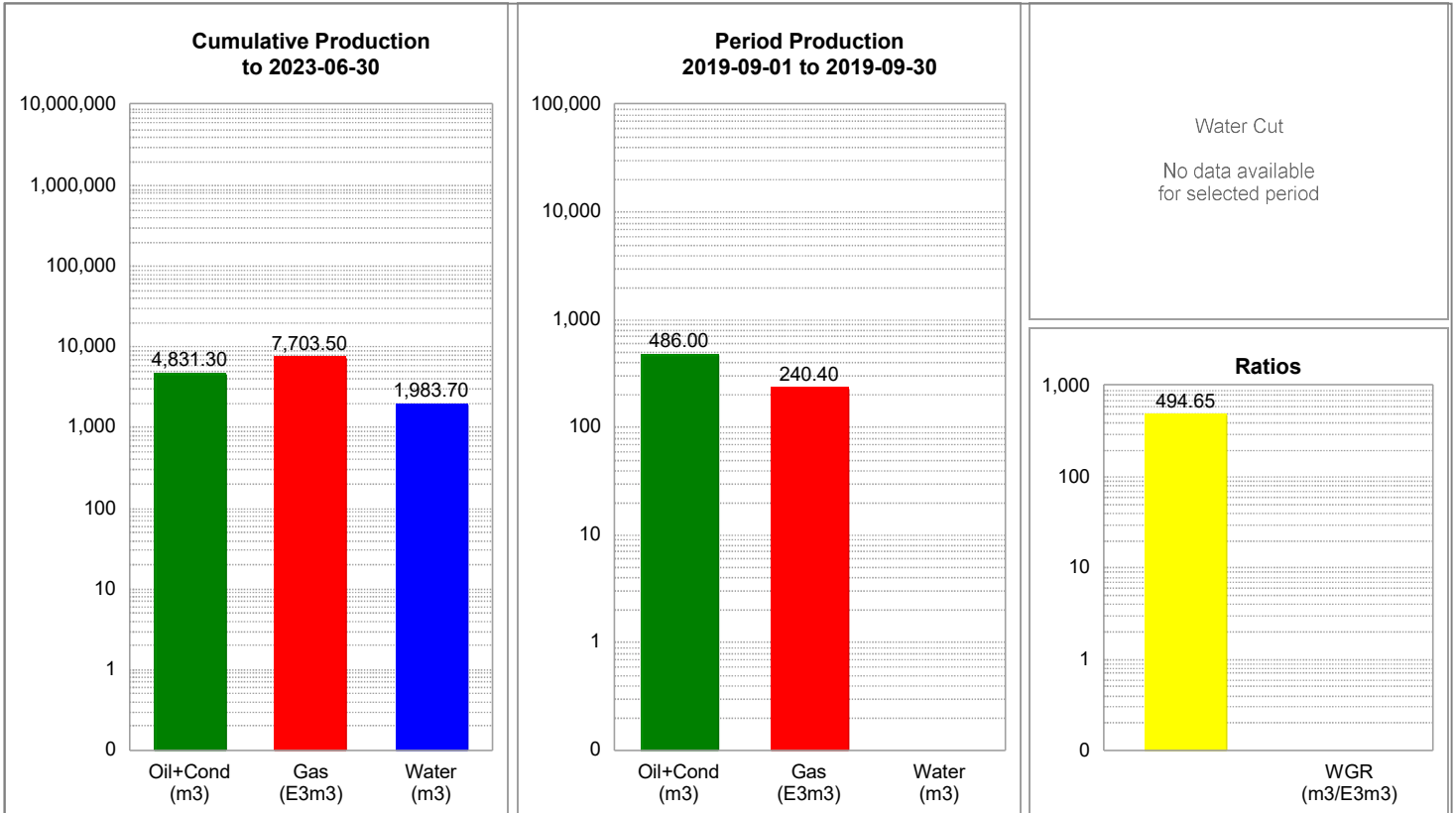
Cum Oil: 4831.3 m3  
Cum Gas: 7703.5 E3m3  
Cum Wtr: 1983.7 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 00/08-35-046-07W5/00  
Prod Form: CARSD  
On Prod Date: 2019-09-02

Hours: 692  
Oil+Cond Rate: 16.86 m3/d  
Gas Rate: 8.34 E3m3/d



## Header

UWI:	02/14-33-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100122804607W500
Mode:	Pumping	Bottom Hole Location:	102143304607W500
Status:	PUMPING OIL	Surface Hole Coord:	S599.3 E195.5 m
		Bottom Hole Coord:	S354.2 E549.3 m
License		Surface Hole Latitude:	52.998668
Well Name:	BONTERRA 102 HZ PEMBINA 14-33-46-7	Surface Hole Longitude:	-114.964044
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.014925
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.958763
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0500957	Dates	
Province/State:	Alberta	License Date:	2021-08-24
Confidential:	Non-Confidential	Spud Date:	2021-09-25
Lahee:	DEVELOPMENT	Final Drill Date:	2021-10-01
Rig Type:	Horizontal	Rig Release Date:	2021-10-02
Well Type:	Horizontal	Completion Date:	2021-11-01
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2021-11-04
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-22
Surface Abandon Type:		Current Status Date:	2021-11-01
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-10-06
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	914.1 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	909.1 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3325.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1615.8 m
		Total True Vertical Depth:	1608.2 m
Play		Total Depth:	3259.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1459.1 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-08-24	00720000	LICENSED
2	2021-09-25	00730000	SPUDDED
3	2021-10-01	00740000	FINISHED DRILLING
4	2021-10-02	00750000	RIG RELEASED
5	2021-10-01	00070000	DRILLED AND CASED
6	2021-11-01	01110000	PUMPING OIL

## System Tops (KB Elevation: 914.1 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	1032.2	1032.5	-118.1	249.1	
LEAPRK	1281.3	1304.9	-367.2	131.0	
COLRAD	1412.3	1457.1	-498.2	167.8	
CARD	1580.1	1704.2	-666.0	22.7	
CARDSD	1602.8	1758.3	-688.7		

Total TVD:	1608.2 m	Projected Formation:	CARDIUM
Total Depth:	3259.0 m	Projected Total Depth:	3325.0 m

User Tops (KB Elevation: 914.1 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2021-10-19	TREATMENT	1775.3	3233.6	0	FRACTURED	
1	2021-10-18	TREATMENT	3232.7	3233.6	0	FRACTURED	
2	2021-10-18	TREATMENT	3179.4	3180.4	0	FRACTURED	
3	2021-10-18	TREATMENT	3126.9	3127.9	0	FRACTURED	
4	2021-10-18	TREATMENT	3072.1	3073.0	0	FRACTURED	
5	2021-10-18	TREATMENT	3017.9	3018.9	0	FRACTURED	
6	2021-10-18	TREATMENT	2963.1	2964.0	0	FRACTURED	
7	2021-10-18	TREATMENT	2910.0	2910.9	0	FRACTURED	
8	2021-10-18	TREATMENT	2855.1	2856.1	0	FRACTURED	
9	2021-10-18	TREATMENT	2800.5	2801.5	0	FRACTURED	
10	2021-10-18	TREATMENT	2748.1	2749.1	0	FRACTURED	
11	2021-10-19	TREATMENT	2693.7	2694.6	0	FRACTURED	
12	2021-10-19	TREATMENT	2640.6	2641.6	0	FRACTURED	
13	2021-10-19	TREATMENT	2587.1	2588.1	0	FRACTURED	
14	2021-10-19	TREATMENT	2535.6	2536.5	0	FRACTURED	
15	2021-10-19	TREATMENT	2483.1	2484.1	0	FRACTURED	
16	2021-10-19	TREATMENT	2430.0	2430.9	0	FRACTURED	
17	2021-10-19	TREATMENT	2375.7	2376.7	0	FRACTURED	
18	2021-10-19	TREATMENT	2321.3	2322.2	0	FRACTURED	
19	2021-10-19	TREATMENT	2268.9	2269.9	0	FRACTURED	
20	2021-10-19	TREATMENT	2216.3	2217.2	0	FRACTURED	
21	2021-10-19	TREATMENT	2161.2	2162.2	0	FRACTURED	
22	2021-10-19	TREATMENT	2109.0	2109.9	0	FRACTURED	
23	2021-10-19	TREATMENT	2055.8	2056.7	0	FRACTURED	
24	2021-10-19	TREATMENT	2009.3	2010.3	0	FRACTURED	
25	2021-10-19	TREATMENT	1962.4	1963.4	0	FRACTURED	
26	2021-10-19	TREATMENT	1915.7	1916.6	0	FRACTURED	
27	2021-10-19	TREATMENT	1869.0	1869.9	0	FRACTURED	
28	2021-10-19	TREATMENT	1822.2	1823.2	0	FRACTURED	
29	2021-10-19	TREATMENT	1775.3	1776.3	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		540.0		540.0	177.800		
2	Production		3259.0	CARDSD	3259.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55					
2	Production	P	110					

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	18.1	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0
2	2	Production	23.0	tonne	Class G Neat		0

## Logs Run - No data

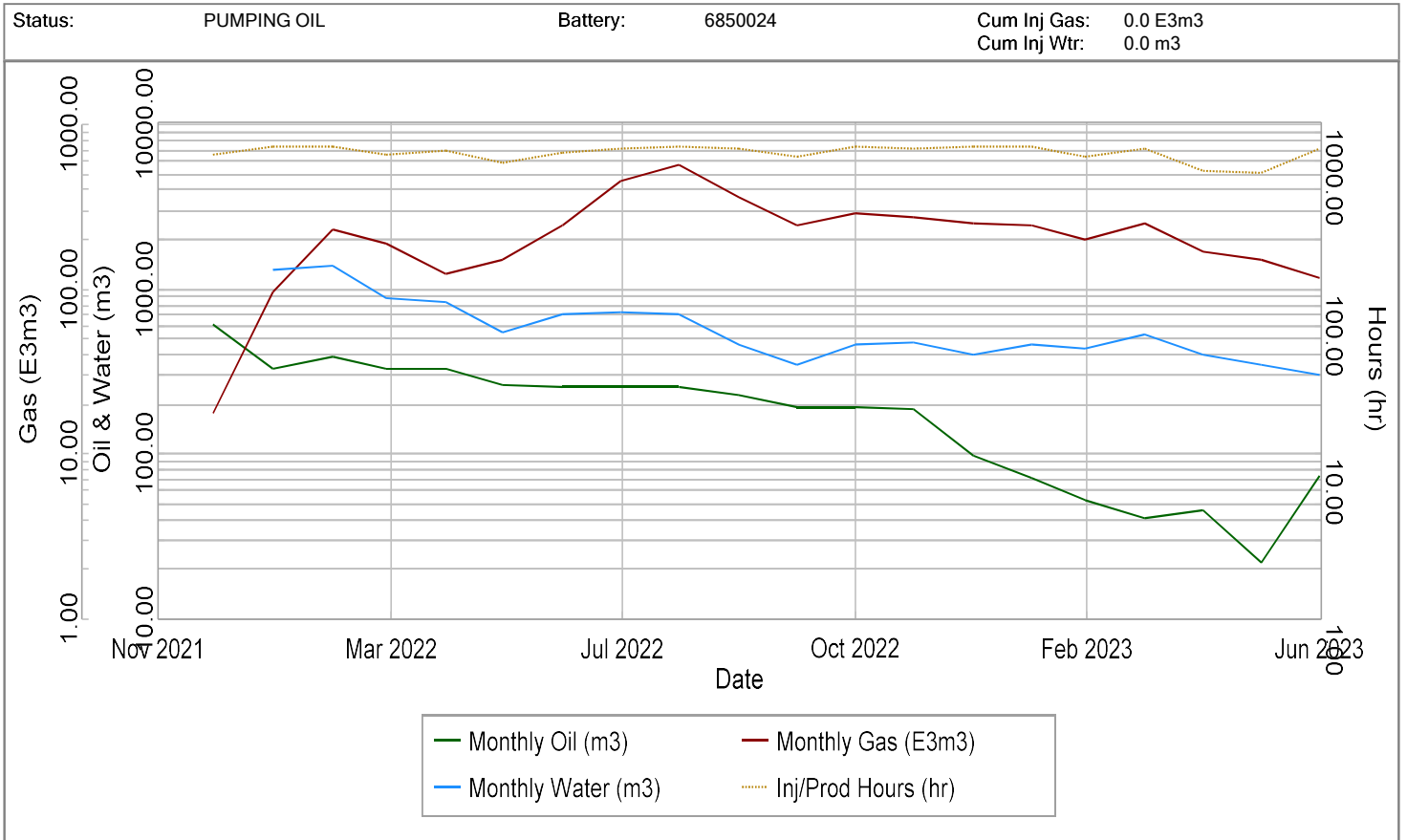
Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2021-11-04	Producing Hours:	1220 hr
Oil + Cond (3 Mo):	96.10 m3	GOR:	2,783.56 m3/m3
Gas (3 Mo):	267.50 E3m3	WGR:	2.43 m3/E3m3
Water (3 Mo):	650.30 m3	WCT%:	87.1 %
Oil + Cond/Day:	1.89 m3/d	Gas/Day:	5.26 E3m3/d
		Cum Oil + Cond:	4,232.50 m3
		Cum Gas:	4,613.10 E3m3
		Cum Water:	11,774.00 m3

## Production Graph

UWI:	02/14-33-046-07W5/00	On Prod:	2021-11-04	Cum Oil:	4232.5 m3
Well Name:	BONTERRA 102 HZ PEMBINA 14-33-46-7	Prod Form:	CARDSD	Cum Gas:	4613.1 E3m3
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	11774.0 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3

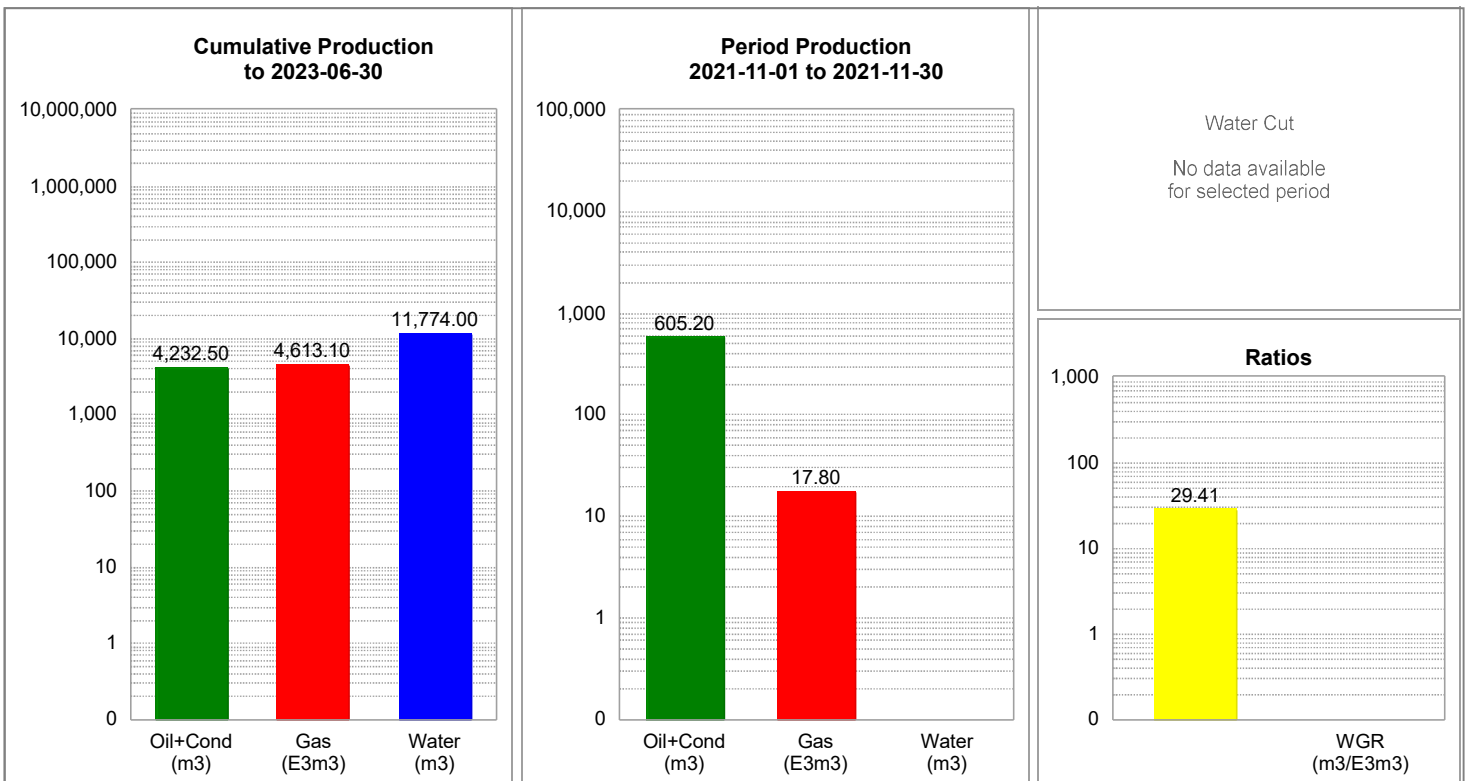
## Production Graph - Continued



## Production Summary

UWI: 02/14-33-046-07W5/00  
Prod Form: CARSDSD  
On Prod Date: 2021-11-04

Hours: 648  
Oil+Cond Rate: 22.41 m3/d  
Gas Rate: 0.66 E3m3/d



## Header

UWI:	03/02-33-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100023404607W500
Mode:	Pumping	Bottom Hole Location:	103023304607W500
Status:	PUMPING OIL	Surface Hole Coord:	N167.6 W603.5 m
		Bottom Hole Coord:	N23.1 W666.0 m
License		Surface Hole Latitude:	53.005531
Well Name:	BONTERRA 103 HZ PEMBINA 2-33-46-7	Surface Hole Longitude:	-114.927956
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.004259
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.953021
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0494415	Dates	
Province/State:	Alberta	License Date:	2019-05-09
Confidential:	Non-Confidential	Spud Date:	2019-08-01
Lahee:	DEVELOPMENT	Final Drill Date:	2019-08-07
Rig Type:	Horizontal	Rig Release Date:	2019-08-08
Well Type:	Horizontal	Completion Date:	2019-09-01
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2019-09-01
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-30
Surface Abandon Type:		Current Status Date:	2019-09-01
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2021-02-01
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	903.4 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	898.4 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3170.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1603.6 m
		Total True Vertical Depth:	1603.6 m
Play		Total Depth:	3148.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1395.5 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2019-05-09	00720000	LICENSED
2	2019-08-01	00730000	SPUDDED
3	2019-08-07	00740000	FINISHED DRILLING
4	2019-08-08	00750000	RIG RELEASED
5	2019-08-07	00070000	DRILLED AND CASED
6	2019-09-01	01110000	PUMPING OIL

## System Tops (KB Elevation: 903.4 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	925.0	925.1	-21.6	325.4	
LEAPRK	1250.4	1250.5	-347.0	135.7	
COLRAD	1386.1	1392.2	-482.7	167.7	
CARD	1553.8	1668.5	-650.4	24.0	
CARDSD	1577.8	1731.6	-674.4		

Total TVD:	1603.6 m	Projected Formation:	CARDIUM
Total Depth:	3148.0 m	Projected Total Depth:	3170.0 m

User Tops (KB Elevation: 903.4 m) - No data

DSTs and IPs - No data

Cores - No data



## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2019-08-22	TREATMENT	1780.5	3119.5	0	FRACTURED	
1	2019-08-22	TREATMENT	3117.6	3119.5	0	FRACTURED	
2	2019-08-22	TREATMENT	3075.4	3077.3	0	FRACTURED	
3	2019-08-22	TREATMENT	3031.2	3033.1	0	FRACTURED	
4	2019-08-22	TREATMENT	2973.8	2975.7	0	FRACTURED	
5	2019-08-22	TREATMENT	2929.0	2930.9	0	FRACTURED	
6	2019-08-22	TREATMENT	2885.5	2887.4	0	FRACTURED	
7	2019-08-22	TREATMENT	2829.7	2831.6	0	FRACTURED	
8	2019-08-22	TREATMENT	2786.1	2788.0	0	FRACTURED	
9	2019-08-22	TREATMENT	2742.7	2744.7	0	FRACTURED	
10	2019-08-22	TREATMENT	2684.1	2686.0	0	FRACTURED	
11	2019-08-22	TREATMENT	2639.6	2641.5	0	FRACTURED	
12	2019-08-22	TREATMENT	2594.5	2596.4	0	FRACTURED	
13	2019-08-22	TREATMENT	2537.2	2539.1	0	FRACTURED	
14	2019-08-22	TREATMENT	2494.5	2496.4	0	FRACTURED	
15	2019-08-22	TREATMENT	2449.8	2451.7	0	FRACTURED	
16	2019-08-22	TREATMENT	2394.1	2396.0	0	FRACTURED	
17	2019-08-22	TREATMENT	2353.0	2354.9	0	FRACTURED	
18	2019-08-22	TREATMENT	2313.0	2314.9	0	FRACTURED	
19	2019-08-22	TREATMENT	2256.6	2258.6	0	FRACTURED	
20	2019-08-22	TREATMENT	2214.6	2216.5	0	FRACTURED	
21	2019-08-22	TREATMENT	2170.0	2171.9	0	FRACTURED	
22	2019-08-22	TREATMENT	2113.7	2115.6	0	FRACTURED	
23	2019-08-22	TREATMENT	2070.5	2072.4	0	FRACTURED	
24	2019-08-22	TREATMENT	2025.8	2027.7	0	FRACTURED	
25	2019-08-22	TREATMENT	1967.2	1969.1	0	FRACTURED	
26	2019-08-22	TREATMENT	1925.7	1927.6	0	FRACTURED	
27	2019-08-22	TREATMENT	1883.0	1884.9	0	FRACTURED	
28	2019-08-22	TREATMENT	1825.5	1827.4	0	FRACTURED	
29	2019-08-22	TREATMENT	1780.5	1782.4	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		540.0		540.0	177.800		
2	Production		3148.0	CARDSD	3148.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	29.8				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	23.0	tonne	Class G Neat		0
2	1	Production	12.0	tonne	Light Weight		0
2	2	Production	22.0	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

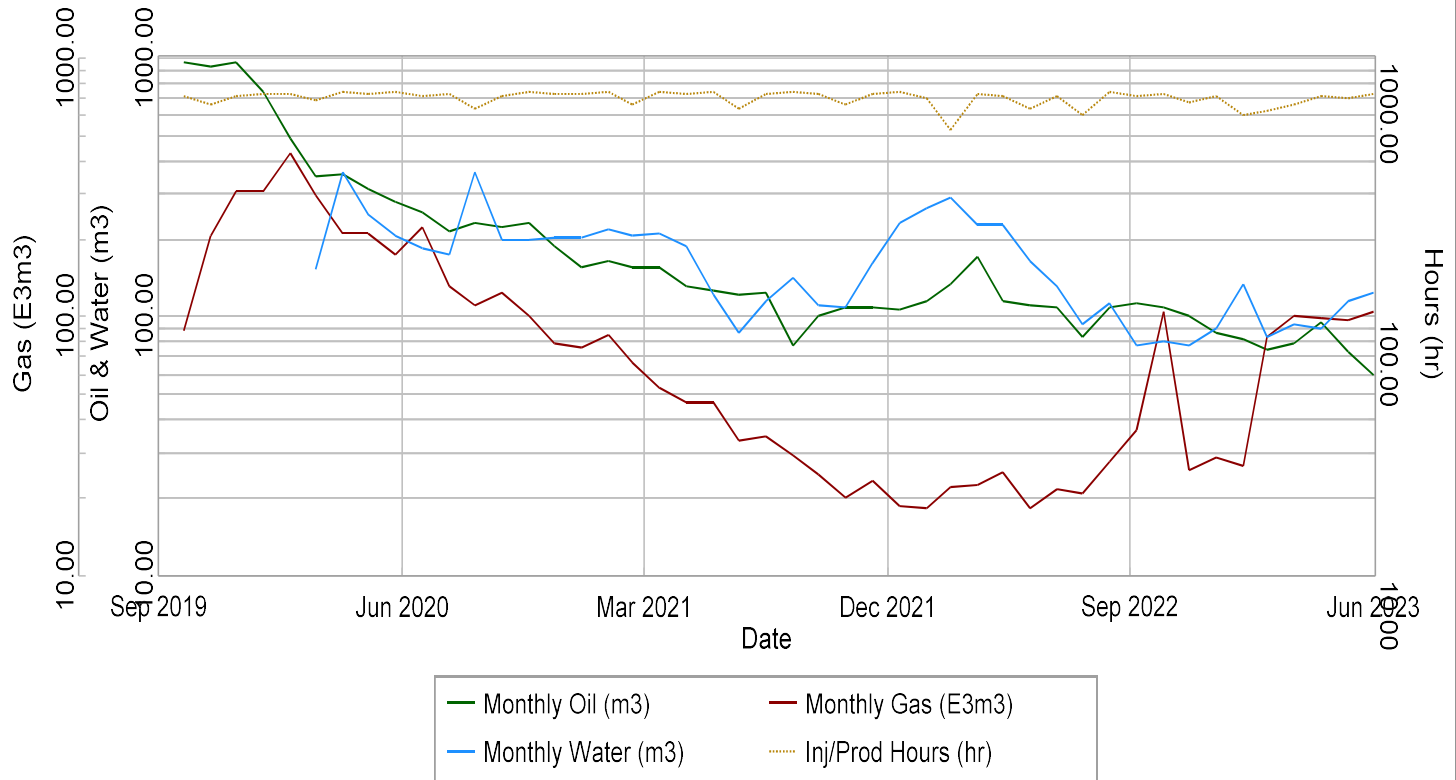
On Prod Date:	2019-09-01	Producing Hours:	1424 hr
Oil + Cond (3 Mo):	132.10 m3	GOR:	1,533.69 m3/m3
Gas (3 Mo):	202.60 E3m3	WGR:	1.17 m3/E3m3
Water (3 Mo):	237.60 m3	WCT%:	64.3 %
Oil + Cond/Day:	2.23 m3/d	Gas/Day:	3.41 E3m3/d
		Cum Oil + Cond:	10,180.40 m3
		Cum Gas:	4,430.40 E3m3
		Cum Water:	6,867.00 m3

## Production Graph

UWI: 03/02-33-046-07W5/00  
Well Name: BONTERRA 103 HZ PEMBINA  
2-33-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2019-09-01  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850659

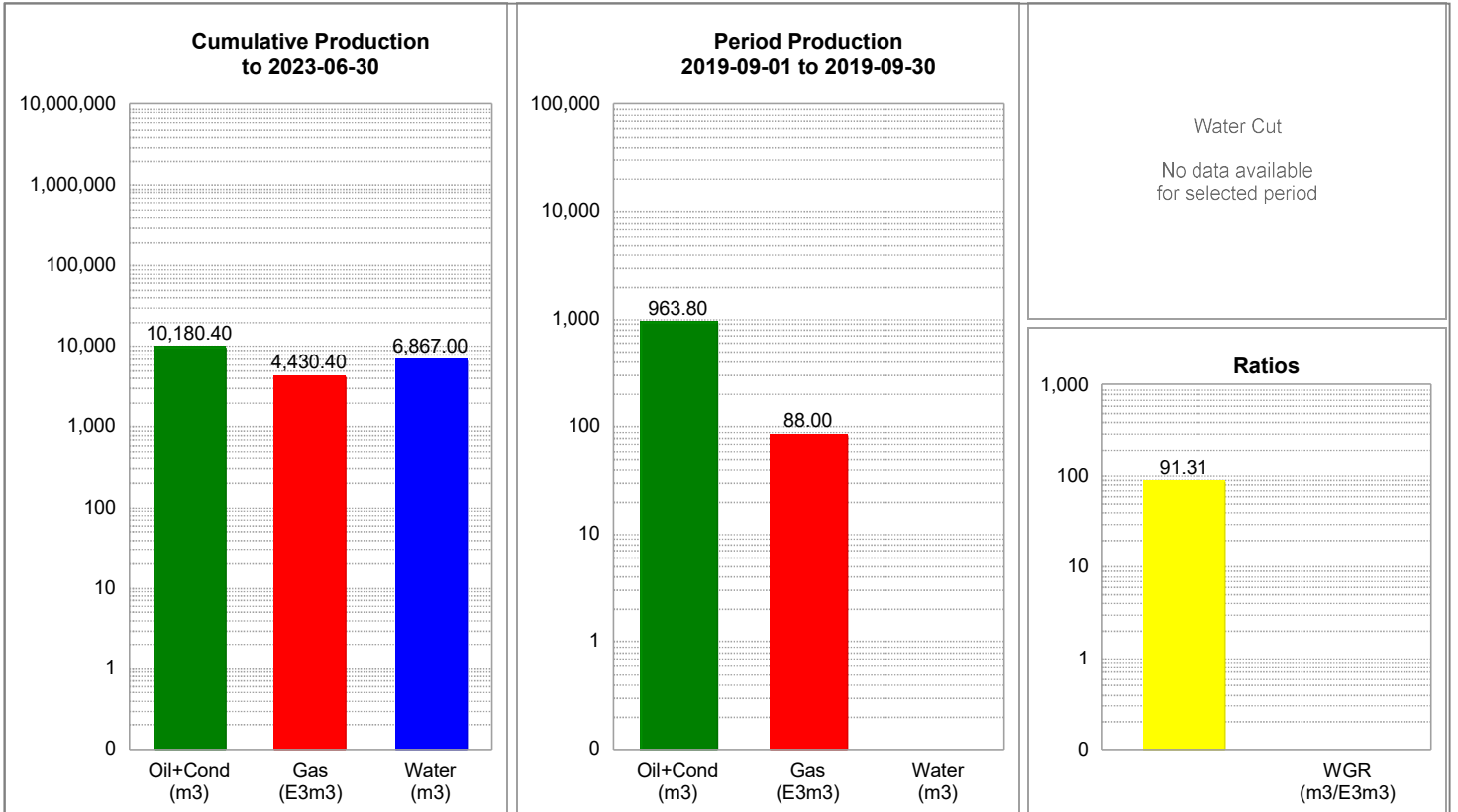
Cum Oil: 10180.4 m3  
Cum Gas: 4430.4 E3m3  
Cum Wtr: 6867.0 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 03/02-33-046-07W5/00  
Prod Form: CARSD  
On Prod Date: 2019-09-01

Hours: 708  
Oil+Cond Rate: 32.67 m3/d  
Gas Rate: 2.98 E3m3/d



## Header

UWI:	02/08-32-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100082904607W500
Mode:	Pumping	Bottom Hole Location:	102083204607W500
Status:	PUMPING OIL	Surface Hole Coord:	N602.1 W180.7 m
		Bottom Hole Coord:	N693.0 W13.2 m
License		Surface Hole Latitude:	52.995011
Well Name:	BONTERRA 102 HZ PEMBINA 8-32-46-7	Surface Hole Longitude:	-114.969948
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.010282
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.967446
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0500830	Dates	
Province/State:	Alberta	License Date:	2021-08-10
Confidential:	Non-Confidential	Spud Date:	2021-08-27
Lahee:	DEVELOPMENT	Final Drill Date:	2021-09-03
Rig Type:	Horizontal	Rig Release Date:	2021-09-04
Well Type:	Horizontal	Completion Date:	2021-10-04
License Type:	Production	Days Drilled:	8
Well Event Type:	Parent	On Production Date:	2021-10-04
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-25
Surface Abandon Type:		Current Status Date:	2021-10-04
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-10-06
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	921.7 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	916.8 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3250.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1628.4 m
		Total True Vertical Depth:	1624.8 m
Play		Total Depth:	3212.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1444.4 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-08-10	00720000	LICENSED
2	2021-08-27	00730000	SPUDDED
3	2021-09-03	00740000	FINISHED DRILLING
4	2021-09-04	00750000	RIG RELEASED
5	2021-09-03	00070000	DRILLED AND CASED
6	2021-10-04	01110000	PUMPING OIL

## System Tops (KB Elevation: 921.7 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	999.4	999.7	-77.7	293.9	
LEAPRK	1293.3	1294.3	-371.6	132.7	
COLRAD	1426.0	1436.4	-504.3	167.5	
CARD	1593.5	1661.8	-671.8	22.7	
CARDSD	1616.2	1721.4	-694.5		

Total TVD:	1624.8 m	Projected Formation:	CARDIUM
Total Depth:	3212.0 m	Projected Total Depth:	3250.0 m

User Tops (KB Elevation: 921.7 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2021-09-27	TREATMENT	1781.6	3182.7	0	FRACTURED	
1	2021-09-27	TREATMENT	3138.9	3139.9	0	FRACTURED	
2	2021-09-27	TREATMENT	3083.5	3084.4	0	FRACTURED	
3	2021-09-27	TREATMENT	3040.1	3041.0	0	FRACTURED	
4	2021-09-27	TREATMENT	2985.4	2986.3	0	FRACTURED	
5	2021-09-27	TREATMENT	2944.2	2945.1	0	FRACTURED	
6	2021-09-27	TREATMENT	2889.0	2890.0	0	FRACTURED	
7	2021-09-27	TREATMENT	2846.9	2847.9	0	FRACTURED	
8	2021-09-27	TREATMENT	2791.5	2792.4	0	FRACTURED	
9	2021-09-27	TREATMENT	2748.5	2749.5	0	FRACTURED	
10	2021-09-27	TREATMENT	2694.1	2695.1	0	FRACTURED	
11	2021-09-27	TREATMENT	2652.8	2653.7	0	FRACTURED	
12	2021-09-27	TREATMENT	2598.4	2599.4	0	FRACTURED	
13	2021-09-27	TREATMENT	2557.5	2558.4	0	FRACTURED	
14	2021-09-27	TREATMENT	2503.3	2504.2	0	FRACTURED	
15	2021-09-27	TREATMENT	2463.6	2464.6	0	FRACTURED	
16	2021-09-27	TREATMENT	2407.0	2408.0	0	FRACTURED	
17	2021-09-27	TREATMENT	2366.1	2367.1	0	FRACTURED	
18	2021-09-27	TREATMENT	2311.9	2312.8	0	FRACTURED	
19	2021-09-27	TREATMENT	2271.0	2271.9	0	FRACTURED	
20	2021-09-27	TREATMENT	2216.8	2217.8	0	FRACTURED	
21	2021-09-27	TREATMENT	2174.9	2175.9	0	FRACTURED	
22	2021-09-27	TREATMENT	2119.9	2120.9	0	FRACTURED	
23	2021-09-27	TREATMENT	2076.9	2077.8	0	FRACTURED	
24	2021-09-27	TREATMENT	2020.1	2021.0	0	FRACTURED	
25	2021-09-27	TREATMENT	1977.7	1978.7	0	FRACTURED	
26	2021-09-27	TREATMENT	1922.6	1923.5	0	FRACTURED	
27	2021-09-27	TREATMENT	1880.8	1881.8	0	FRACTURED	
28	2021-09-27	TREATMENT	1824.5	1825.4	0	FRACTURED	
29	2021-09-27	TREATMENT	1781.6	1782.6	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		540.0		540.0	177.800		
2	Production		3212.0	CARDSD	3212.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55					
2	Production	P	110					

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.5	tonne	Class G Neat		0
2	1	Production	14.3	tonne	Light Weight		0
2	2	Production	23.5	tonne	Class G Neat		0

## Logs Run - No data

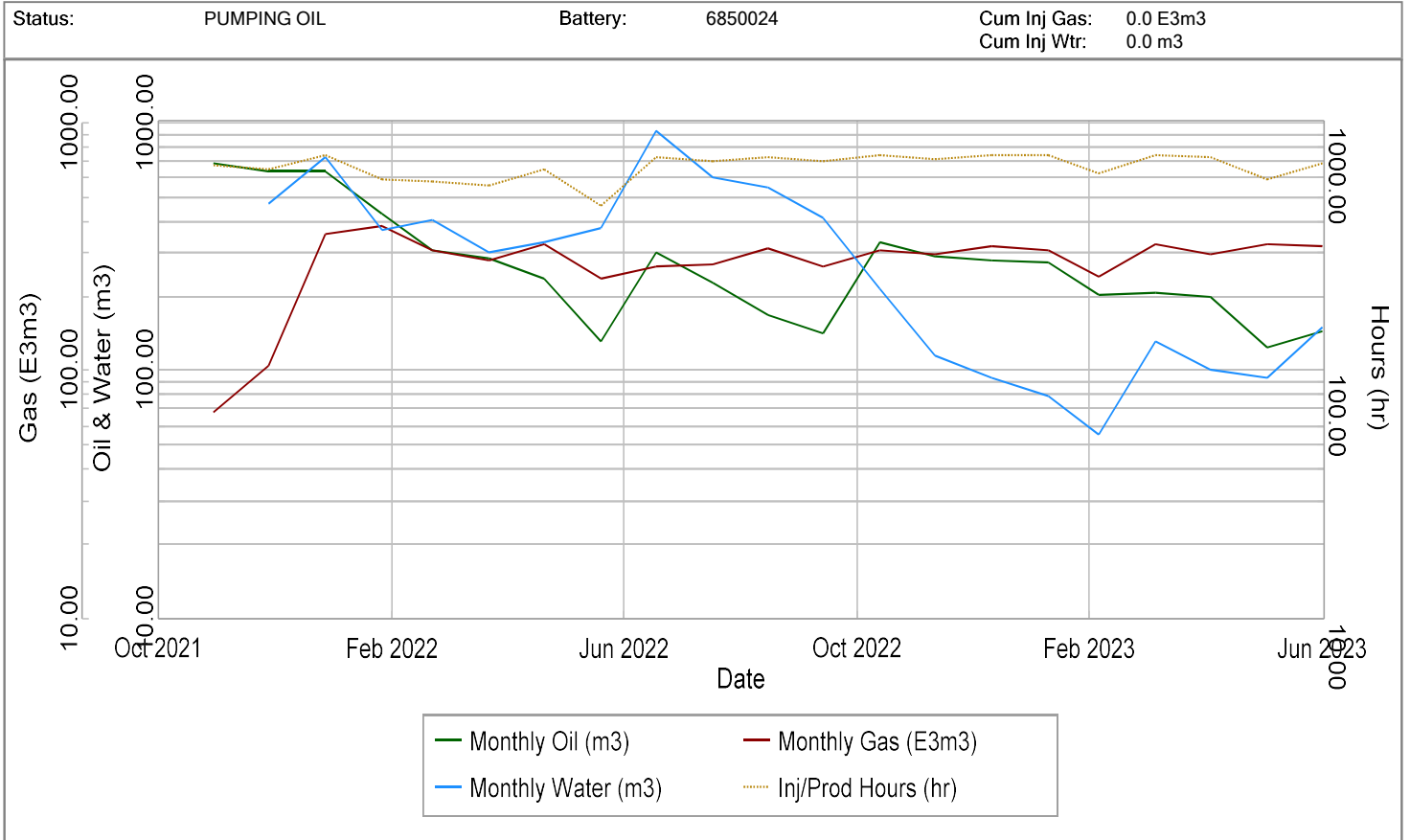
Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2021-10-04	Producing Hours:	1280 hr
Oil + Cond (3 Mo):	270.30 m3	GOR:	2,389.94 m3/m3
Gas (3 Mo):	646.00 E3m3	WGR:	0.38 m3/E3m3
Water (3 Mo):	243.90 m3	WCT%:	47.4 %
Oil + Cond/Day:	5.07 m3/d	Gas/Day:	12.11 E3m3/d
		Cum Oil + Cond:	6,223.70 m3
		Cum Gas:	5,886.60 E3m3
		Cum Water:	6,500.50 m3

## Production Graph

UWI:	02/08-32-046-07W5/00	On Prod:	2021-10-04	Cum Oil:	6223.7 m3
Well Name:	BONTERRA 102 HZ PEMBINA 8-32-46-7	Prod Form:	CARDSD	Cum Gas:	5886.6 E3m3
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	6500.5 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3

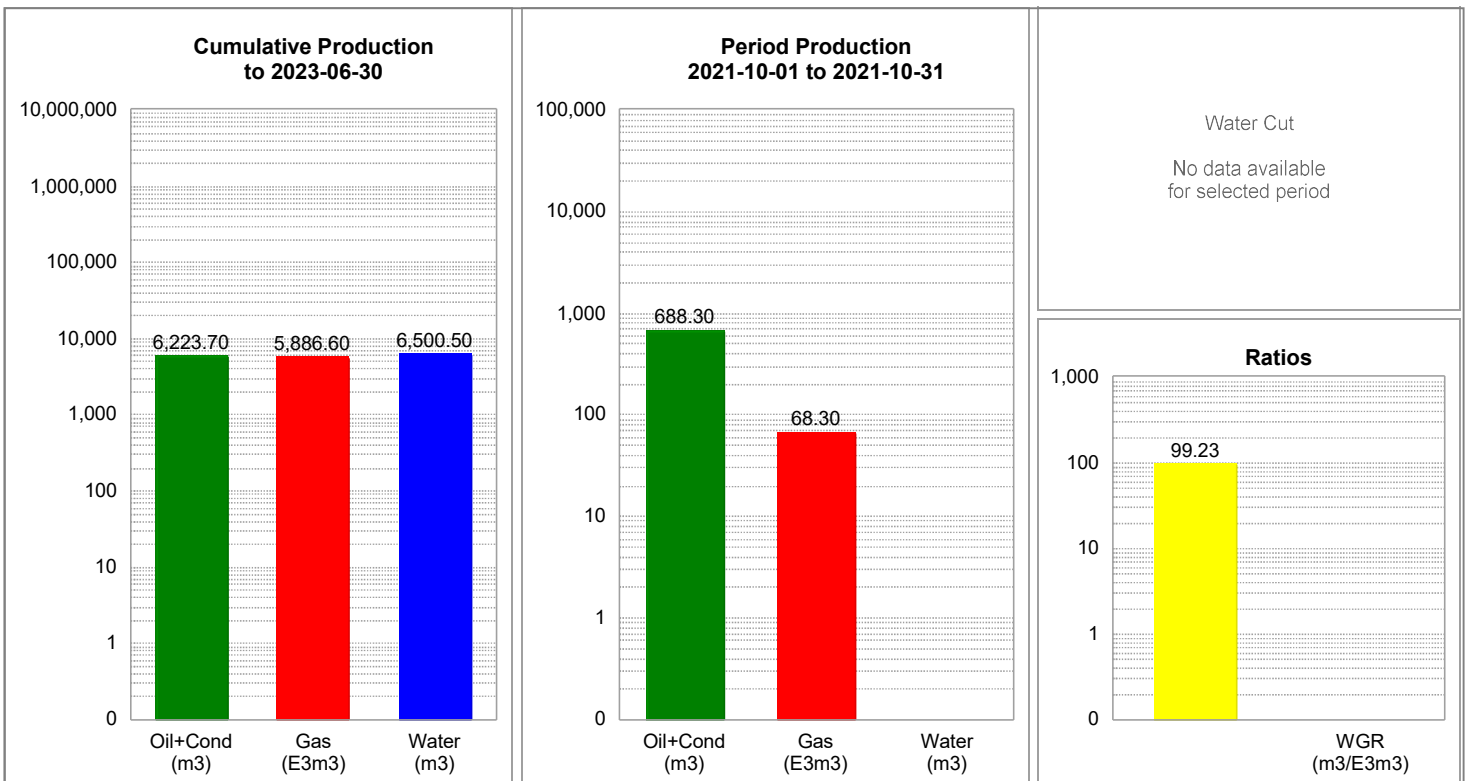
## Production Graph - Continued



## Production Summary

UWI: 02/08-32-046-07W5/00  
Prod Form: CARSDS  
On Prod Date: 2021-10-04

Hours: 672  
Oil+Cond Rate: 24.58 m3/d  
Gas Rate: 2.44 E3m3/d



## Header

UWI:	02/12-33-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100122804607W500
Mode:	Pumping	Bottom Hole Location:	102123304607W500
Status:	PUMPING OIL	Surface Hole Coord:	S599.3 E185.5 m
		Bottom Hole Coord:	S577.6 E302.8 m
License		Surface Hole Latitude:	52.998668
Well Name:	BONTERRA 102 HZ PEMBINA 12-33-46-7	Surface Hole Longitude:	-114.964193
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.012920
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.962435
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0500956	Dates	
Province/State:	Alberta	License Date:	2021-08-24
Confidential:	Non-Confidential	Spud Date:	2021-09-19
Lahee:	DEVELOPMENT	Final Drill Date:	2021-09-24
Rig Type:	Horizontal	Rig Release Date:	2021-09-25
Well Type:	Horizontal	Completion Date:	2021-10-26
License Type:	Production	Days Drilled:	6
Well Event Type:	Parent	On Production Date:	2021-10-26
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2021-10-26
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-10-06
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	913.9 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	908.9 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3150.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1618.2 m
		Total True Vertical Depth:	1614.9 m
Play		Total Depth:	3103.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1357.0 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-08-24	00720000	LICENSED
2	2021-09-19	00730000	SPUDDED
3	2021-09-24	00740000	FINISHED DRILLING
4	2021-09-25	00750000	RIG RELEASED
5	2021-09-24	00070000	DRILLED AND CASED
6	2021-10-26	01110000	PUMPING OIL

## System Tops (KB Elevation: 913.9 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	1004.2	1004.6	-90.3	276.9	
LEAPRK	1281.1	1281.6	-367.2	133.3	
COLRAD	1414.4	1420.7	-500.5	168.0	
CARD	1582.4	1643.5	-668.5	22.3	
CARDSD	1604.7	1702.6	-690.8		

Total TVD:	1614.9 m	Projected Formation:	CARDIUM
Total Depth:	3103.0 m	Projected Total Depth:	3150.0 m

User Tops (KB Elevation: 913.9 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2021-10-18	TREATMENT	1730.2	3074.8	0	FRACTURED	
1	2021-10-17	TREATMENT	3073.9	3074.8	0	FRACTURED	
2	2021-10-17	TREATMENT	3034.2	3035.1	0	FRACTURED	
3	2021-10-17	TREATMENT	2994.8	2995.7	0	FRACTURED	
4	2021-10-17	TREATMENT	2939.9	2940.8	0	FRACTURED	
5	2021-10-17	TREATMENT	2896.2	2897.1	0	FRACTURED	
6	2021-10-17	TREATMENT	2853.4	2854.3	0	FRACTURED	
7	2021-10-17	TREATMENT	2795.8	2796.8	0	FRACTURED	
8	2021-10-17	TREATMENT	2753.6	2754.6	0	FRACTURED	
9	2021-10-17	TREATMENT	2713.0	2713.9	0	FRACTURED	
10	2021-10-17	TREATMENT	2655.4	2656.3	0	FRACTURED	
11	2021-10-17	TREATMENT	2613.0	2613.9	0	FRACTURED	
12	2021-10-17	TREATMENT	2571.0	2571.9	0	FRACTURED	
13	2021-10-17	TREATMENT	2514.6	2515.5	0	FRACTURED	
14	2021-10-17	TREATMENT	2472.2	2473.1	0	FRACTURED	
15	2021-10-17	TREATMENT	2431.0	2432.0	0	FRACTURED	
16	2021-10-17	TREATMENT	2374.2	2375.2	0	FRACTURED	
17	2021-10-17	TREATMENT	2331.0	2332.0	0	FRACTURED	
18	2021-10-17	TREATMENT	2288.1	2289.1	0	FRACTURED	
19	2021-10-17	TREATMENT	2232.3	2233.3	0	FRACTURED	
20	2021-10-17	TREATMENT	2189.4	2190.3	0	FRACTURED	
21	2021-10-18	TREATMENT	2145.9	2146.9	0	FRACTURED	
22	2021-10-18	TREATMENT	2090.0	2090.9	0	FRACTURED	
23	2021-10-18	TREATMENT	2048.3	2049.3	0	FRACTURED	
24	2021-10-18	TREATMENT	2007.1	2008.1	0	FRACTURED	
25	2021-10-18	TREATMENT	1950.4	1951.3	0	FRACTURED	
26	2021-10-18	TREATMENT	1908.1	1909.1	0	FRACTURED	
27	2021-10-18	TREATMENT	1866.2	1867.1	0	FRACTURED	
28	2021-10-18	TREATMENT	1812.5	1813.4	0	FRACTURED	
29	2021-10-18	TREATMENT	1771.0	1772.0	0	FRACTURED	
30	2021-10-18	TREATMENT	1730.2	1731.2	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		540.0		540.0	177.800		
2	Production		3103.0	CARDSD	3103.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	
2	Production	P	110	

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.5	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0
2	2	Production	21.5	tonne	Class G Neat		0

## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2021-10-26	Producing Hours:	1419 hr
Oil + Cond (3 Mo):	350.00 m3	GOR:	1,403.43 m3/m3
Gas (3 Mo):	491.20 E3m3	WGR:	0.61 m3/E3m3
Water (3 Mo):	300.20 m3	WCT%:	46.2 %
Oil + Cond/Day:	5.92 m3/d	Gas/Day:	8.31 E3m3/d

## Production Graph

UWI:	02/12-33-046-07W5/00	On Prod:	2021-10-26	Cum Oil:	6440.8 m3
Well Name:	BONTERRA 102 HZ PEMBINA	Prod Form:	CARDSD	Cum Gas:	4877.9 E3m3
	12-33-46-7				
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	8269.3 m3

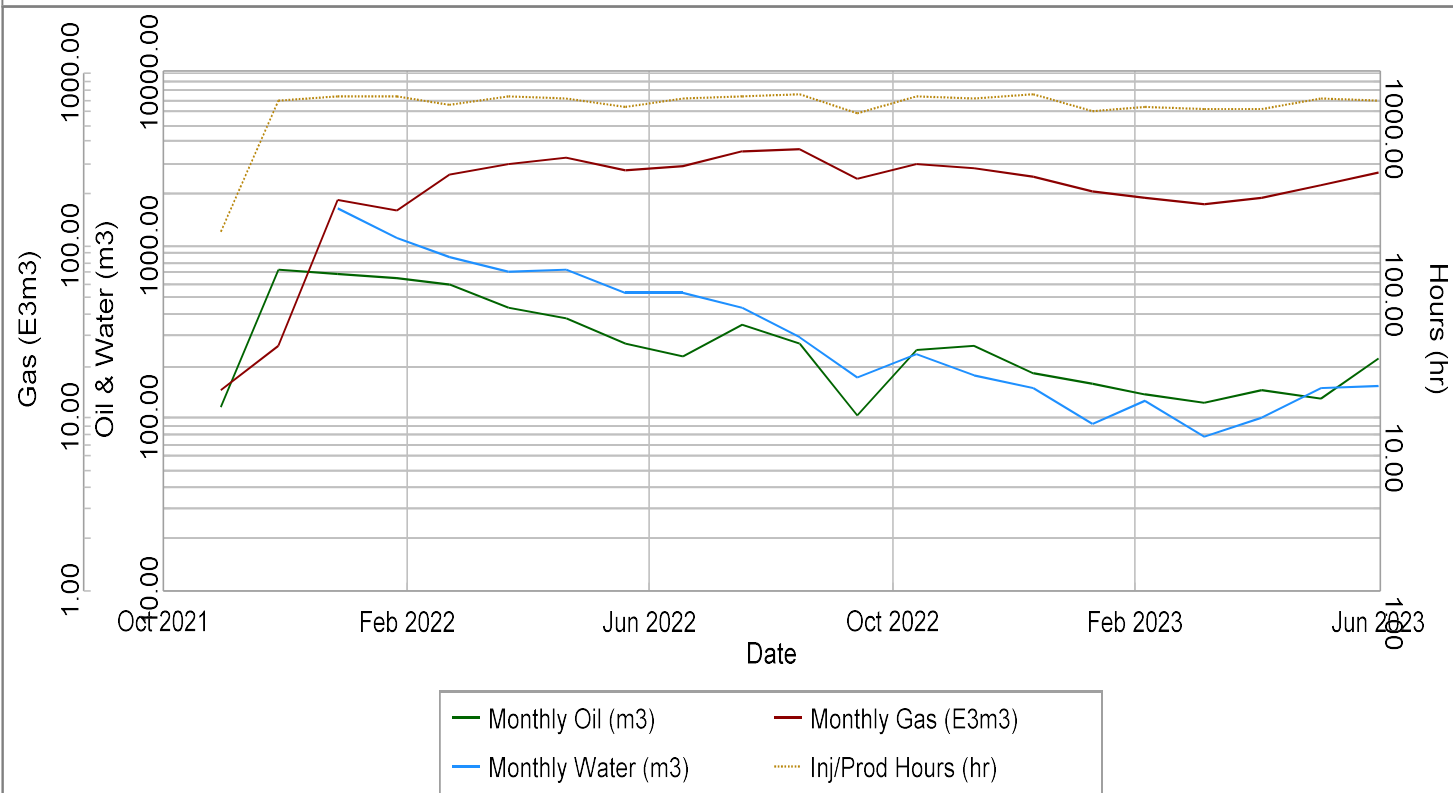


## Production Graph - Continued

Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

Pool Code: AB06850176000  
Battery: 6850024

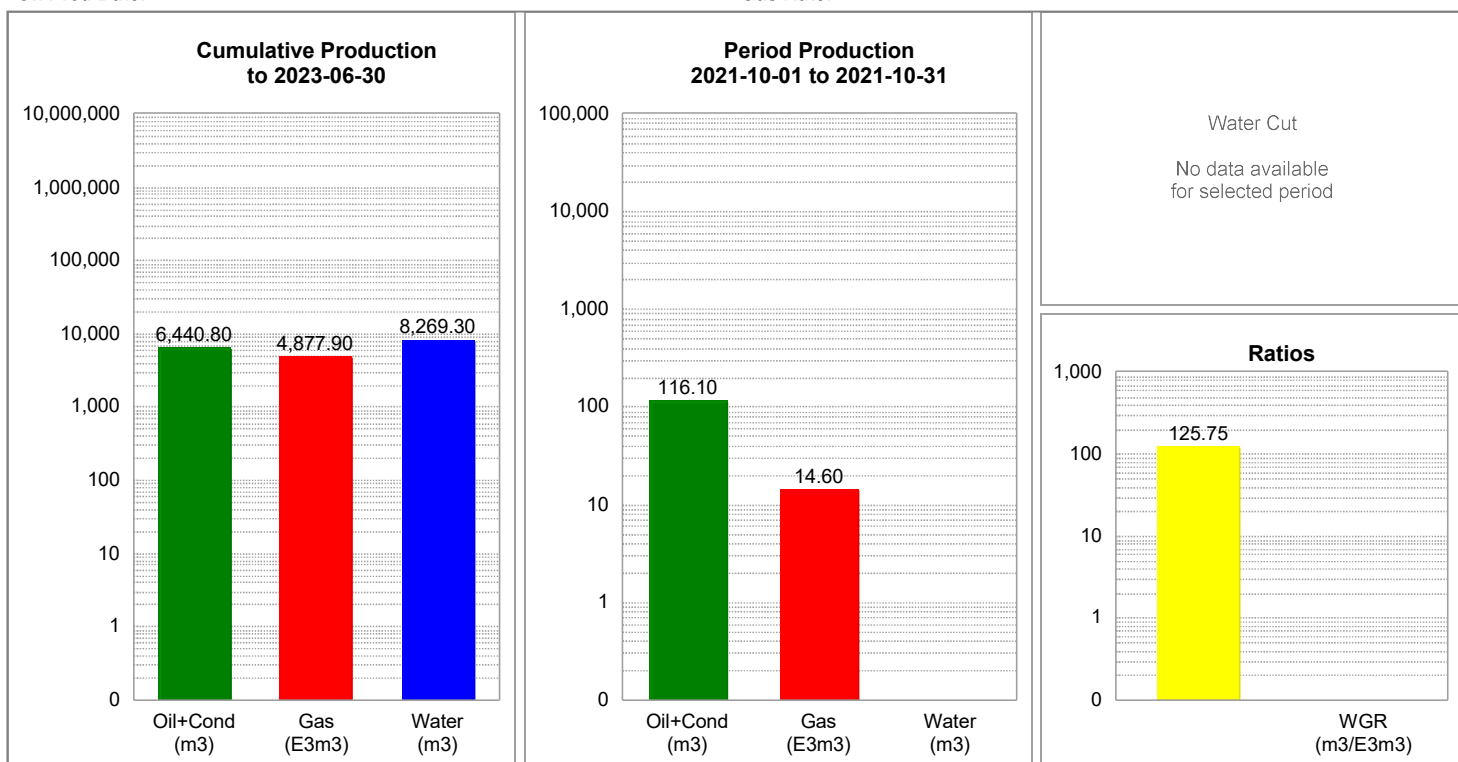
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 02/12-33-046-07W5/00  
Prod Form: CARDSD  
On Prod Date: 2021-10-26

Hours: 121  
Oil+Cond Rate: 23.03 m3/d  
Gas Rate: 2.90 E3m3/d



## Header

UWI:	00/01-32-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100013204607W500
Mode:	Pumping	Bottom Hole Location:	100013204607W500
Status:	PUMPING OIL	Surface Hole Coord:	N182.0 W145.4 m
		Bottom Hole Coord:	N182.0 W145.4 m
License		Surface Hole Latitude:	53.005693
Well Name:	ERC PEMBINA 1-32-46-7	Surface Hole Longitude:	-114.969417
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.005693
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.969417
Original Licensee:	ENERPLUS OIL & GAS LTD.		
License Number:	0423828	Dates	
Province/State:	Alberta	License Date:	2010-09-24
Confidential:	Non-Confidential	Spud Date:	2010-11-17
Lahee:	DEVELOPMENT	Final Drill Date:	2010-11-24
Rig Type:	Vertical	Rig Release Date:	2010-11-25
Well Type:	Vertical	Completion Date:	2013-06-11
License Type:	Production	Days Drilled:	8
Well Event Type:	Parent	On Production Date:	2018-01-26
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2018-01-15
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2020-11-02
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	908.1 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	903.4 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	QUINTERA DRILLING LTD.	Projected Total Depth:	1636.8 m
Drilling Rig Number:	9	Max True Vertical Depth:	1640.0 m
		Total True Vertical Depth:	1640.0 m
Play		Total Depth:	1640.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2010-09-24	00720000	LICENSED
2	2010-11-17	00730000	SPUDDED
3	2010-11-24	00740000	FINISHED DRILLING
4	2010-11-25	00750000	RIG RELEASED
5	2010-11-24	00070000	DRILLED AND CASED
6	2013-06-11	00000500	OBSERVATION
7	2018-01-15	01110000	PUMPING OIL

## System Tops (KB Elevation: 908.1 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
EDMNTN	385.7	385.7	522.4	598.1	
BELLYRV	983.8	983.8	-75.7	294.7	
LEAPRK	1278.5	1278.5	-370.4	129.7	
COLRAD	1408.2	1408.2	-500.1	169.7	
CARD	1577.9	1577.9	-669.8	24.2	
CARDSD	1602.1	1602.1	-694.0		

Total TVD:	1640.0 m	Projected Formation:	CARDIUM
Total Depth:	1640.0 m	Projected Total Depth:	1636.8 m

User Tops (KB Elevation: 908.1 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2018-01-17	TREATMENT	0.0	0.0	0	FRACTURED	
1	2010-12-15	JET PERFORATION	1608.5	1612.0	17		
2	2018-01-17	TREATMENT	1608.5	1612.0	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		360.0		360.0	219.100		
2	Production		1640.0	CARDSD	1640.0	139.700		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	35.7
2	Production	PS	80	25.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	23.0	tonne	Class A Neat		0
2	1	Production	20.5	tonne	Light Weight		0
2	2	Production	10.5	tonne	Class A Neat		0

## Logs Run

#	Method Description
1	CEMENT BOND
2	CEMENT TOP
3	DIPOLE SHEAR SONIC IMAGER
4	GAMMA RAY
5	COMPENSATED NEUTRON LOG
6	PERFORATION LOG

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

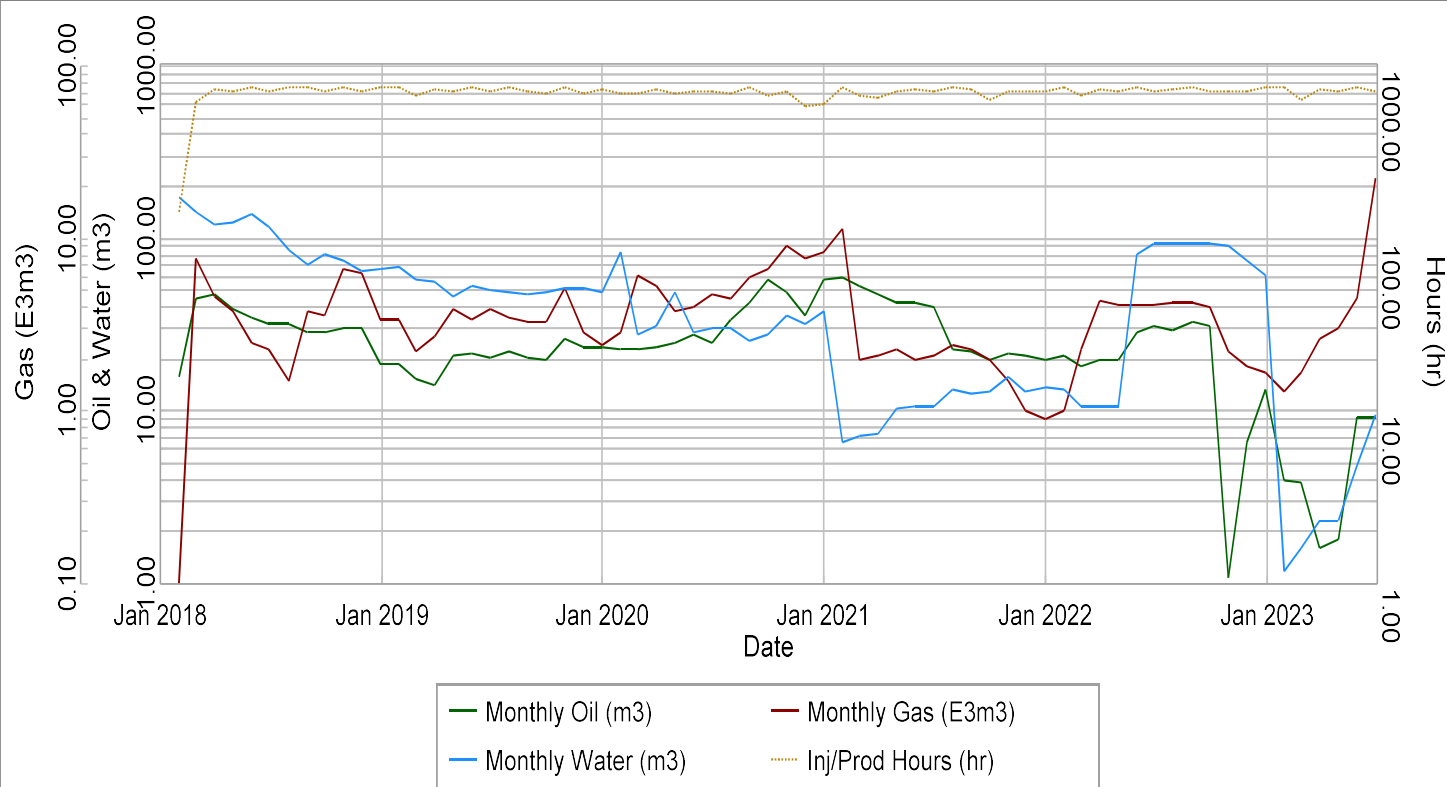
On Prod Date:	2018-01-26	Producing Hours:	1464 hr
Oil + Cond (3 Mo):	18.50 m3	GOR:	1,464.86 m3/m3
Gas (3 Mo):	27.10 E3m3	WGR:	0.53 m3/E3m3
Water (3 Mo):	14.40 m3	WCT%:	43.8 %
Oil + Cond/Day:	0.30 m3/d	Gas/Day:	0.44 E3m3/d

## Production Graph

UWI: 00/01-32-046-07W5/00  
Well Name: ERC PEMBINA 1-32-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: ENERPLUS OIL & GAS LTD.  
Status: PUMPING OIL

On Prod: 2018-01-26  
Prod Form: CARSDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850024

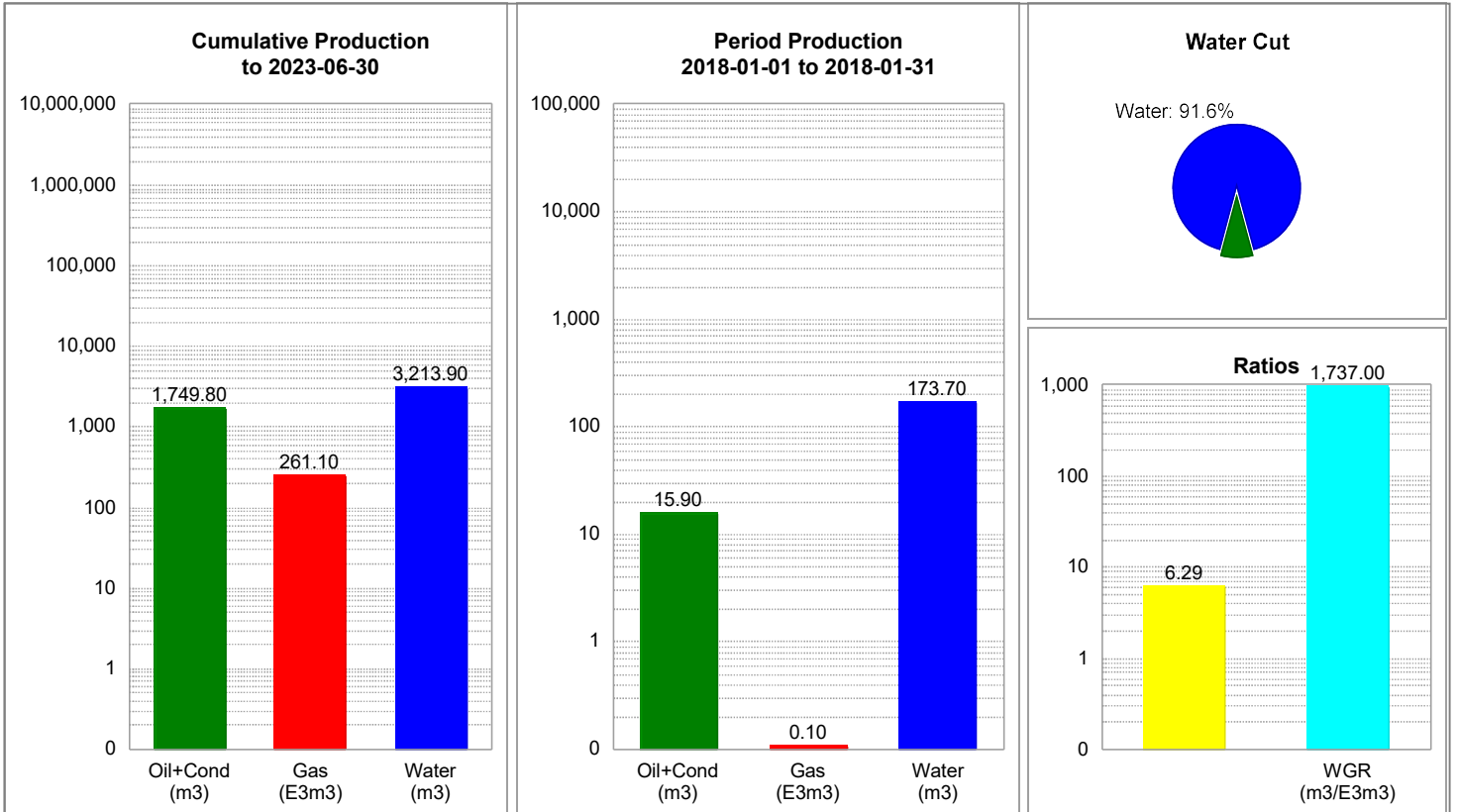
Cum Oil: 1749.8 m3  
Cum Gas: 261.1 E3m3  
Cum Wtr: 3213.9 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 00/01-32-046-07W5/00  
Prod Form: CARSD  
On Prod Date: 2018-01-26

Hours: 144  
Oil+Cond Rate: 2.65 m3/d  
Gas Rate: 0.02 E3m3/d



## Header

UWI:	02/14-27-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100122804607W500
Mode:	Pumping	Bottom Hole Location:	102142704607W500
Status:	PUMPING OIL	Surface Hole Coord:	S599.2 E205.5 m
		Bottom Hole Coord:	S301.1 E412.9 m
License		Surface Hole Latitude:	52.998669
Well Name:	BONTERRA 102 HZ PEMBINA 14-27-46-7	Surface Hole Longitude:	-114.963895
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.001332
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.936648
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0500958	Dates	
Province/State:	Alberta	License Date:	2021-08-24
Confidential:	Non-Confidential	Spud Date:	2021-10-02
Lahee:	DEVELOPMENT	Final Drill Date:	2021-10-07
Rig Type:	Horizontal	Rig Release Date:	2021-10-08
Well Type:	Horizontal	Completion Date:	2021-10-24
License Type:	Production	Days Drilled:	6
Well Event Type:	Parent	On Production Date:	2021-10-30
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2021-10-24
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-10-06
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	914.9 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	909.9 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3350.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1616.9 m
		Total True Vertical Depth:	1603.1 m
Play		Total Depth:	3340.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1573.2 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-08-24	00720000	LICENSED
2	2021-10-02	00730000	SPUDDED
3	2021-10-07	00740000	FINISHED DRILLING
4	2021-10-08	00750000	RIG RELEASED
5	2021-10-07	00070000	DRILLED AND CASED
6	2021-10-24	01110000	PUMPING OIL

## System Tops (KB Elevation: 914.9 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	1003.9	1004.1	-89.0	277.2	
LEAPRK	1281.1	1283.2	-366.2	132.6	
COLRAD	1413.7	1431.0	-498.8	165.3	
CARD	1579.0	1671.3	-664.1	22.0	
CARDSD	1601.0	1717.5	-686.1		

Total TVD:	1603.1 m	Projected Formation:	CARDIUM
Total Depth:	3340.0 m	Projected Total Depth:	3350.0 m

User Tops (KB Elevation: 914.9 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2021-10-20	TREATMENT	1761.6	3315.0	0	FRACTURED	
1	2021-10-19	TREATMENT	3314.0	3315.0	0	FRACTURED	
2	2021-10-19	TREATMENT	3267.4	3268.3	0	FRACTURED	
3	2021-10-19	TREATMENT	3220.6	3221.6	0	FRACTURED	
4	2021-10-20	TREATMENT	3173.7	3174.7	0	FRACTURED	
5	2021-10-20	TREATMENT	3126.7	3127.7	0	FRACTURED	
6	2021-10-20	TREATMENT	3079.8	3080.7	0	FRACTURED	
7	2021-10-20	TREATMENT	3033.1	3034.1	0	FRACTURED	
8	2021-10-20	TREATMENT	2986.6	2987.6	0	FRACTURED	
9	2021-10-20	TREATMENT	2939.6	2940.5	0	FRACTURED	
10	2021-10-20	TREATMENT	2892.9	2893.8	0	FRACTURED	
11	2021-10-20	TREATMENT	2846.0	2847.0	0	FRACTURED	
12	2021-10-20	TREATMENT	2799.1	2800.1	0	FRACTURED	
13	2021-10-20	TREATMENT	2752.5	2753.4	0	FRACTURED	
14	2021-10-20	TREATMENT	2705.6	2706.5	0	FRACTURED	
15	2021-10-20	TREATMENT	2658.7	2659.6	0	FRACTURED	
16	2021-10-20	TREATMENT	2611.8	2612.7	0	FRACTURED	
17	2021-10-20	TREATMENT	2564.9	2565.9	0	FRACTURED	
18	2021-10-20	TREATMENT	2517.9	2518.8	0	FRACTURED	
19	2021-10-20	TREATMENT	2470.9	2471.9	0	FRACTURED	
20	2021-10-20	TREATMENT	2424.2	2425.2	0	FRACTURED	
21	2021-10-20	TREATMENT	2377.5	2378.5	0	FRACTURED	
22	2021-10-20	TREATMENT	2330.5	2331.5	0	FRACTURED	
23	2021-10-20	TREATMENT	2283.5	2284.5	0	FRACTURED	
24	2021-10-20	TREATMENT	2236.4	2237.3	0	FRACTURED	
25	2021-10-20	TREATMENT	2190.1	2191.0	0	FRACTURED	
26	2021-10-20	TREATMENT	2143.5	2144.5	0	FRACTURED	
27	2021-10-20	TREATMENT	2096.9	2097.8	0	FRACTURED	
28	2021-10-20	TREATMENT	2050.3	2051.3	0	FRACTURED	
29	2021-10-20	TREATMENT	2004.0	2004.9	0	FRACTURED	
30	2021-10-20	TREATMENT	1957.1	1958.1	0	FRACTURED	
31	2021-10-20	TREATMENT	1910.6	1911.5	0	FRACTURED	
32	2021-10-20	TREATMENT	1862.4	1863.3	0	FRACTURED	
33	2021-10-20	TREATMENT	1810.9	1811.9	0	FRACTURED	
34	2021-10-20	TREATMENT	1761.6	1762.6	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		540.0		540.0	177.800		
2	Production		3340.0	CARDSD	3340.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	
2	Production	P	110	

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.5	tonne	Class G Neat		0
2	1	Production	10.5	tonne	Light Weight		0
2	2	Production	24.0	tonne	Class G Neat		0

## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

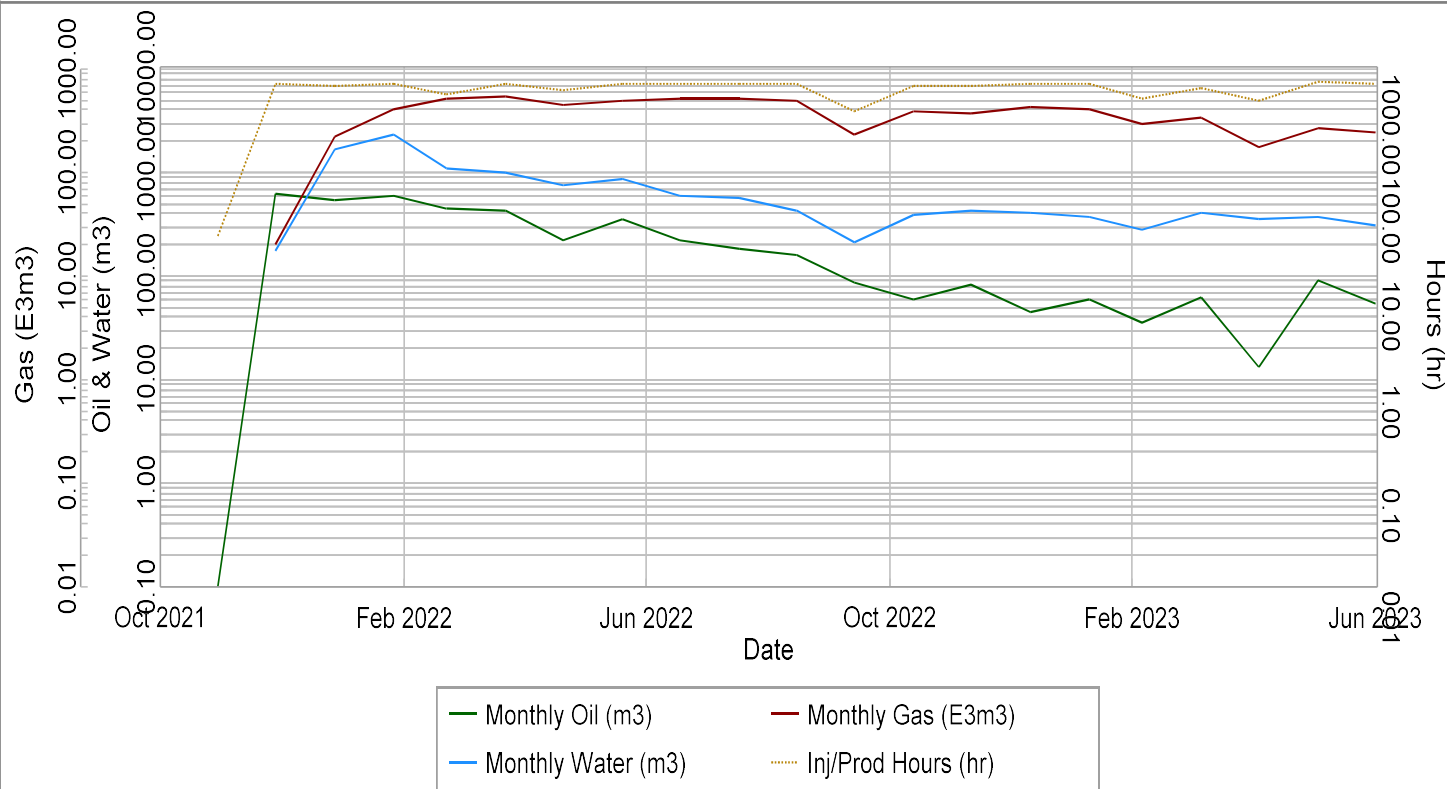
On Prod Date:	2021-10-30	Producing Hours:	1464 hr
Oil + Cond (3 Mo):	144.40 m3	GOR:	3,518.70 m3/m3
Gas (3 Mo):	508.10 E3m3	WGR:	1.36 m3/E3m3
Water (3 Mo):	692.60 m3	WCT%:	82.7 %
Oil + Cond/Day:	2.37 m3/d	Cum Oil + Cond:	4,390.20 m3
		Cum Gas:	7,324.80 E3m3
		Cum Water:	13,139.40 m3
		Gas/Day:	8.33 E3m3/d

## Production Graph

UWI: 02/14-27-046-07W5/00  
Well Name: BONTERRA 102 HZ PEMBINA  
14-27-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2021-10-30  
Prod Form: CARSDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850024

Cum Oil: 4390.2 m3  
Cum Gas: 7324.8 E3m3  
Cum Wtr: 13139.4 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3

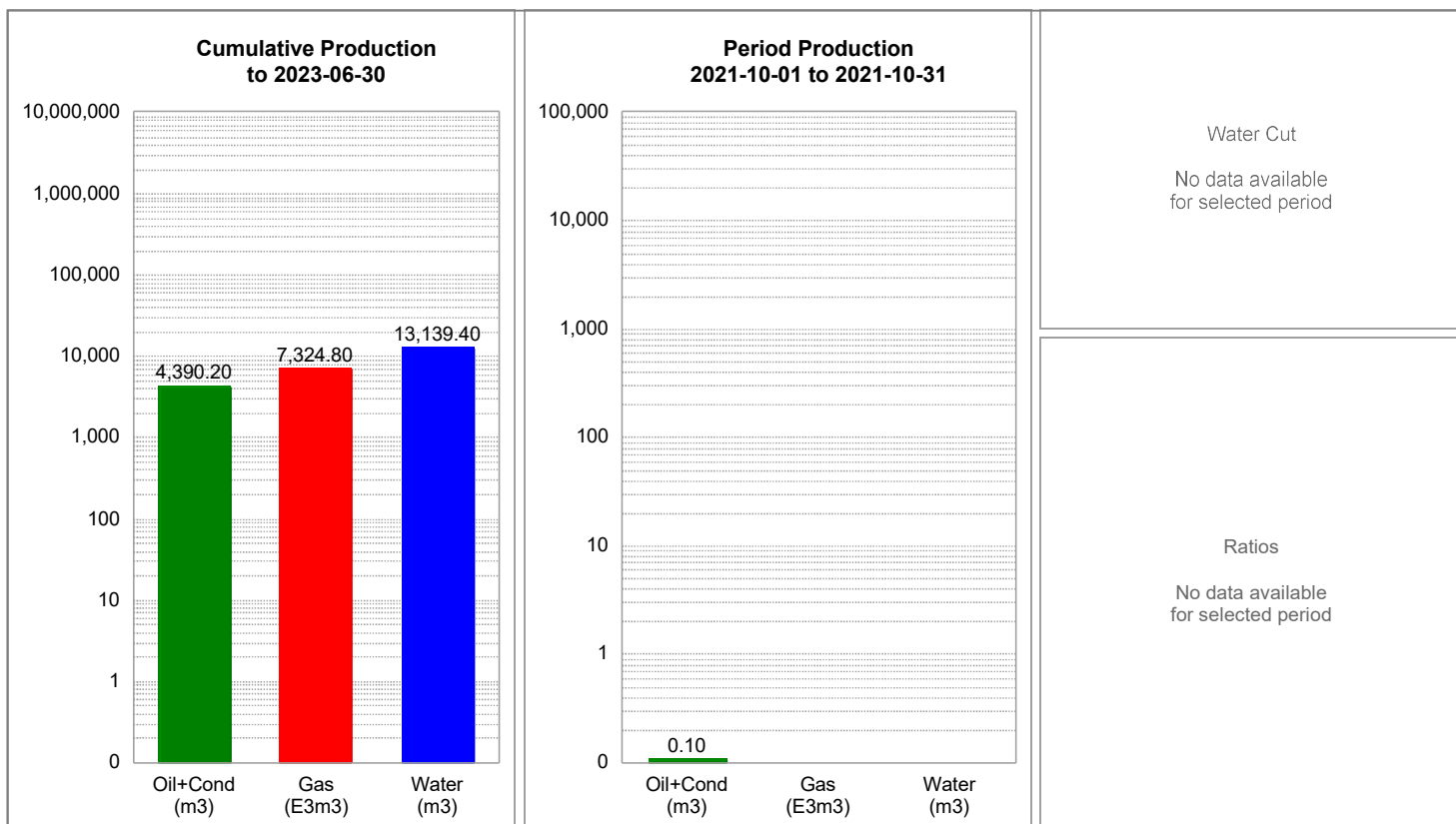




# Production Summary

UWI: 02/14-27-046-07W5/00  
 Prod Form: CARSDSD  
 On Prod Date: 2021-10-30

Hours: 25  
 Oil+Cond Rate: 0.10 m3/d  
 Gas Rate: 0.00 E3m3/d



## Header

UWI:	00/12-27-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100082904607W500
Mode:	Pumping	Bottom Hole Location:	100122704607W500
Status:	PUMPING OIL	Surface Hole Coord:	N602.1 W170.7 m
		Bottom Hole Coord:	S545.6 E166.3 m
License		Surface Hole Latitude:	52.995011
Well Name:	BONTERRA HZ PEMBINA 12-27-46-7	Surface Hole Longitude:	-114.969799
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.999142
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.940320
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0500831	Dates	
Province/State:	Alberta	License Date:	2021-08-10
Confidential:	Non-Confidential	Spud Date:	2021-09-05
Lahee:	DEVELOPMENT	Final Drill Date:	2021-09-13
Rig Type:	Horizontal	Rig Release Date:	2021-09-13
Well Type:	Horizontal	Completion Date:	2021-10-06
License Type:	Production	Days Drilled:	8
Well Event Type:	Parent	On Production Date:	2021-10-06
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2021-10-06
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-10-06
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	921.4 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	916.4 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3505.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1625.5 m
		Total True Vertical Depth:	1611.1 m
Play		Total Depth:	3467.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1660.9 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-08-10	00720000	LICENSED
2	2021-09-05	00730000	SPUDDED
3	2021-09-13	00740000	FINISHED DRILLING
4	2021-09-13	00750000	RIG RELEASED
5	2021-09-12	00070000	DRILLED AND CASED
6	2021-10-06	01110000	PUMPING OIL

## System Tops (KB Elevation: 921.4 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	1036.6	1037.4	-115.2	254.6	
LEAPRK	1291.2	1313.2	-369.8	131.2	
COLRAD	1422.4	1464.8	-501.0	167.6	
CARD	1590.0	1710.0	-668.6	21.5	
CARDSD	1611.5	1759.2	-690.1		

Total TVD:	1611.1 m	Projected Formation:	CARDIUM
Total Depth:	3467.0 m	Projected Total Depth:	3505.0 m

User Tops (KB Elevation: 921.4 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2021-09-26	TREATMENT	1858.0	3438.7	0	FRACTURED	
1	2021-09-26	TREATMENT	3437.7	3438.7	0	FRACTURED	
2	2021-09-26	TREATMENT	3395.3	3396.3	0	FRACTURED	
3	2021-09-26	TREATMENT	3339.9	3340.9	0	FRACTURED	
4	2021-09-26	TREATMENT	3297.1	3298.0	0	FRACTURED	
5	2021-09-26	TREATMENT	3240.1	3241.0	0	FRACTURED	
6	2021-09-26	TREATMENT	3198.4	3199.3	0	FRACTURED	
7	2021-09-26	TREATMENT	3142.7	3143.7	0	FRACTURED	
8	2021-09-26	TREATMENT	3100.8	3101.7	0	FRACTURED	
9	2021-09-26	TREATMENT	3043.6	3044.5	0	FRACTURED	
10	2021-09-26	TREATMENT	3000.7	3001.6	0	FRACTURED	
11	2021-09-26	TREATMENT	2945.9	2946.9	0	FRACTURED	
12	2021-09-26	TREATMENT	2904.4	2905.4	0	FRACTURED	
13	2021-09-26	TREATMENT	2847.7	2848.6	0	FRACTURED	
14	2021-09-26	TREATMENT	2805.3	2806.3	0	FRACTURED	
15	2021-09-26	TREATMENT	2748.3	2749.2	0	FRACTURED	
16	2021-09-26	TREATMENT	2705.9	2706.8	0	FRACTURED	
17	2021-09-26	TREATMENT	2648.9	2649.8	0	FRACTURED	
18	2021-09-26	TREATMENT	2606.6	2607.6	0	FRACTURED	
19	2021-09-26	TREATMENT	2546.4	2550.3	0	FRACTURED	
20	2021-09-26	TREATMENT	2506.5	2507.4	0	FRACTURED	
21	2021-09-26	TREATMENT	2451.1	2452.1	0	FRACTURED	
22	2021-09-26	TREATMENT	2407.8	2408.7	0	FRACTURED	
23	2021-09-26	TREATMENT	2353.4	2354.4	0	FRACTURED	
24	2021-09-26	TREATMENT	2310.0	2310.9	0	FRACTURED	
25	2021-09-26	TREATMENT	2252.7	2253.7	0	FRACTURED	
26	2021-09-26	TREATMENT	2210.7	2211.6	0	FRACTURED	
27	2021-09-26	TREATMENT	2153.5	2154.4	0	FRACTURED	
28	2021-09-26	TREATMENT	2110.4	2111.3	0	FRACTURED	
29	2021-09-26	TREATMENT	2055.1	2056.1	0	FRACTURED	
30	2021-09-26	TREATMENT	2012.4	2013.4	0	FRACTURED	
31	2021-09-26	TREATMENT	1955.7	1956.7	0	FRACTURED	
32	2021-09-26	TREATMENT	1913.1	1914.0	0	FRACTURED	
33	2021-09-26	TREATMENT	1858.0	1858.9	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		541.0		541.0	177.800		
2	Production		3467.0	CARDSD	3467.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55					
2	Production	P	110					

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.5	tonne	Class G Neat		0
2	2	Production	26.0	tonne	Class G Neat		0
2	1	Production	10.0	tonne	Light Weight		0

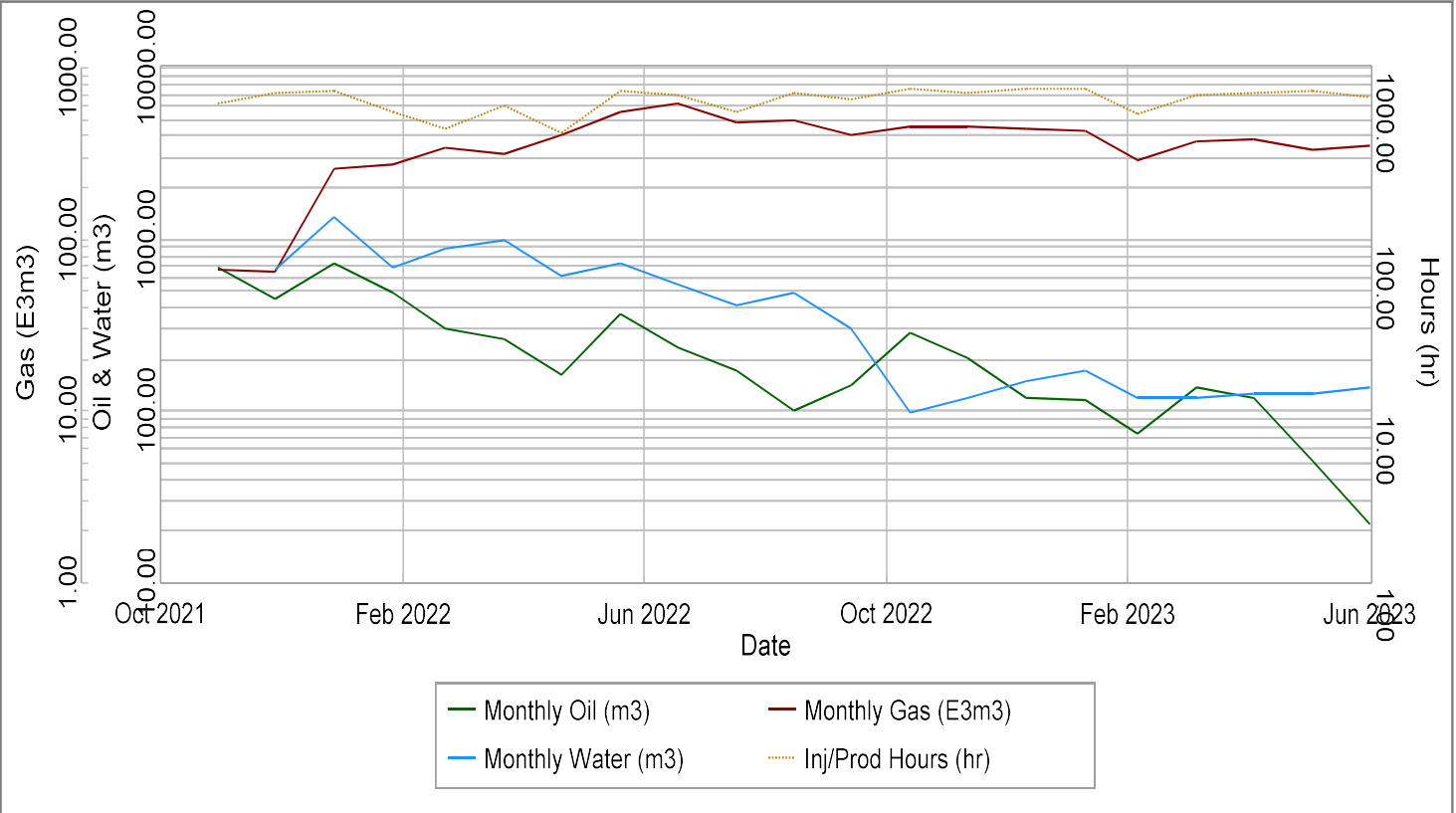
## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2021-10-06	Producing Hours:	1394 hr
Oil + Cond (3 Mo):	73.20 m3	GOR:	9,378.42 m3/m3
Gas (3 Mo):	686.50 E3m3	WGR:	0.39 m3/E3m3
Water (3 Mo):	265.70 m3	WCT%:	78.4 %
Oil + Cond/Day:	1.26 m3/d	Gas/Day:	11.82 E3m3/d

## Production Graph

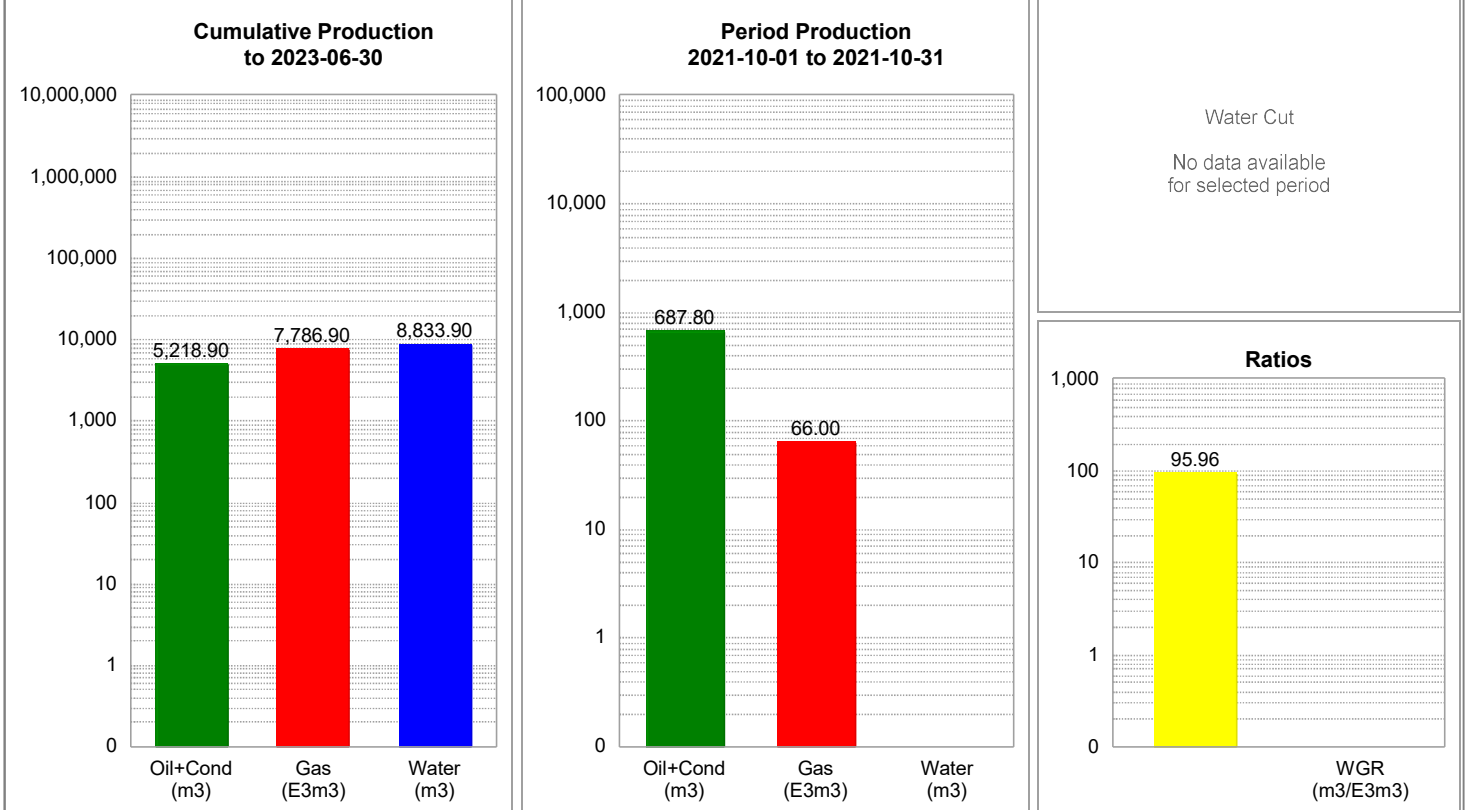
UWI:	00/12-27-046-07W5/00	On Prod:	2021-10-06	Cum Oil:	5218.9 m3
Well Name:	BONTERRA HZ PEMBINA 12-27-46-7	Prod Form:	CARDSD	Cum Gas:	7786.9 E3m3
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	8833.9 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3
Status:	PUMPING OIL	Battery:	6850024	Cum Inj Gas:	0.0 E3m3
				Cum Inj Wtr:	0.0 m3



## Production Summary

UWI: 00/12-27-046-07W5/00  
Prod Form: CARSD  
On Prod Date: 2021-10-06

Hours: 624  
Oil+Cond Rate: 26.45 m3/d  
Gas Rate: 2.54 E3m3/d



## Header

UWI:	00/13-26-047-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100132304707W500
Mode:	Pumping	Bottom Hole Location:	100132604707W500
Status:	PUMPING OIL	Surface Hole Coord:	S88.7 E230.0 m
		Bottom Hole Coord:	S124.3 E114.8 m
License		Surface Hole Latitude:	53.075081
Well Name:	INPLAY OIL PEMBINA 13-26-47-7	Surface Hole Longitude:	-114.923523
Current Licensee:	INPLAY OIL CORP.	Bottom Hole Latitude:	53.089396
Facility Operator:	INPLAY OIL CORP.	Bottom Hole Longitude:	-114.925188
Original Licensee:	BELLATRIX EXPLORATION LTD.		
License Number:	0448881	Dates	
Province/State:	Alberta	License Date:	2012-10-02
Confidential:	Non-Confidential	Spud Date:	2013-08-22
Lahee:	DEVELOPMENT	Final Drill Date:	2013-08-31
Rig Type:	Horizontal	Rig Release Date:	2013-09-03
Well Type:	Horizontal	Completion Date:	2013-09-18
License Type:	Production	Days Drilled:	12
Well Event Type:	Parent	On Production Date:	2013-09-18
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2013-09-18
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2019-02-09
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	914.9 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	909.8 m
Unit:		Depth Datum:	Kelly Bushing
Drilling Contractor:	CHINOOK DRILLING INC.	Projected Total Depth:	1624.8 m
Drilling Rig Number:	8	Max True Vertical Depth:	1568.9 m
		Total True Vertical Depth:	1561.3 m
Play		Total Depth:	3084.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1691.1 m
		Target Depth:	
		Lateral Length:	1392.9 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2012-10-02	00720000	LICENSED
2	2013-08-22	00730000	SPUDDED
3	2013-08-31	00740000	FINISHED DRILLING
4	2013-09-03	00750000	RIG RELEASED
5	2013-08-31	00070000	DRILLED AND CASED
6	2013-09-18	01110000	PUMPING OIL

## System Tops (KB Elevation: 914.9 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	948.5	948.6	-33.6	300.1	
LEAPRK	1248.6	1248.7	-333.7	164.5	
COLRAD	1413.1	1415.1	-498.2	123.4	
CARD	1536.5	1594.5	-621.6	22.5	
CARDSD	1559.0	1660.4	-644.1		

Total TVD:	1561.3 m	Projected Formation:	CARDIUM SAND
Total Depth:	3084.0 m	Projected Total Depth:	1624.8 m

User Tops (KB Elevation: 914.9 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2013-09-13	TREATMENT	1809.6	3057.5	0	FRACTURED	
1	2013-09-16	OPEN HOLE	3082.0	3084.0	0		
2	2013-09-16	TREATMENT	3057.5	3057.6	0	FRACTURED	
3	2013-09-16	TREATMENT	2978.9	2979.0	0	FRACTURED	
4	2013-09-16	TREATMENT	2906.5	2906.6	0	FRACTURED	
5	2013-09-16	TREATMENT	2820.4	2820.5	0	FRACTURED	
6	2013-09-16	TREATMENT	2747.8	2747.9	0	FRACTURED	
7	2013-09-16	TREATMENT	2661.7	2661.8	0	FRACTURED	
8	2013-09-16	TREATMENT	2589.1	2589.2	0	FRACTURED	
9	2013-09-16	TREATMENT	2516.5	2516.6	0	FRACTURED	
10	2013-09-16	TREATMENT	2430.4	2430.5	0	FRACTURED	
11	2013-09-16	TREATMENT	2357.8	2357.9	0	FRACTURED	
12	2013-09-16	TREATMENT	2271.7	2271.8	0	FRACTURED	
13	2013-09-16	TREATMENT	2199.1	2199.2	0	FRACTURED	
14	2013-09-16	TREATMENT	2126.7	2126.8	0	FRACTURED	
15	2013-09-16	TREATMENT	2040.6	2040.7	0	FRACTURED	
16	2013-09-16	TREATMENT	1968.0	1968.1	0	FRACTURED	
17	2013-09-16	TREATMENT	1882.0	1882.1	0	FRACTURED	
18	2013-09-16	TREATMENT	1809.6	1809.7	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		526.0		526.0	177.800		
2	Production		3082.0	CARDSD	3082.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface			
2	Production			

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	38.0	tonne	Class C Neat		0
2	1	Production	0.0		UnCem CSG/Liner		0
2	2	Production	13.0	tonne	Light Weight		0

## Logs Run

#	Method Description
1	GAMMA RAY
2	MUD/HYDROCARBON LOG
3	HORIZONTAL PLOT
4	COMPENSATED NEUTRON LOG
5	PERFORATION LOG

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

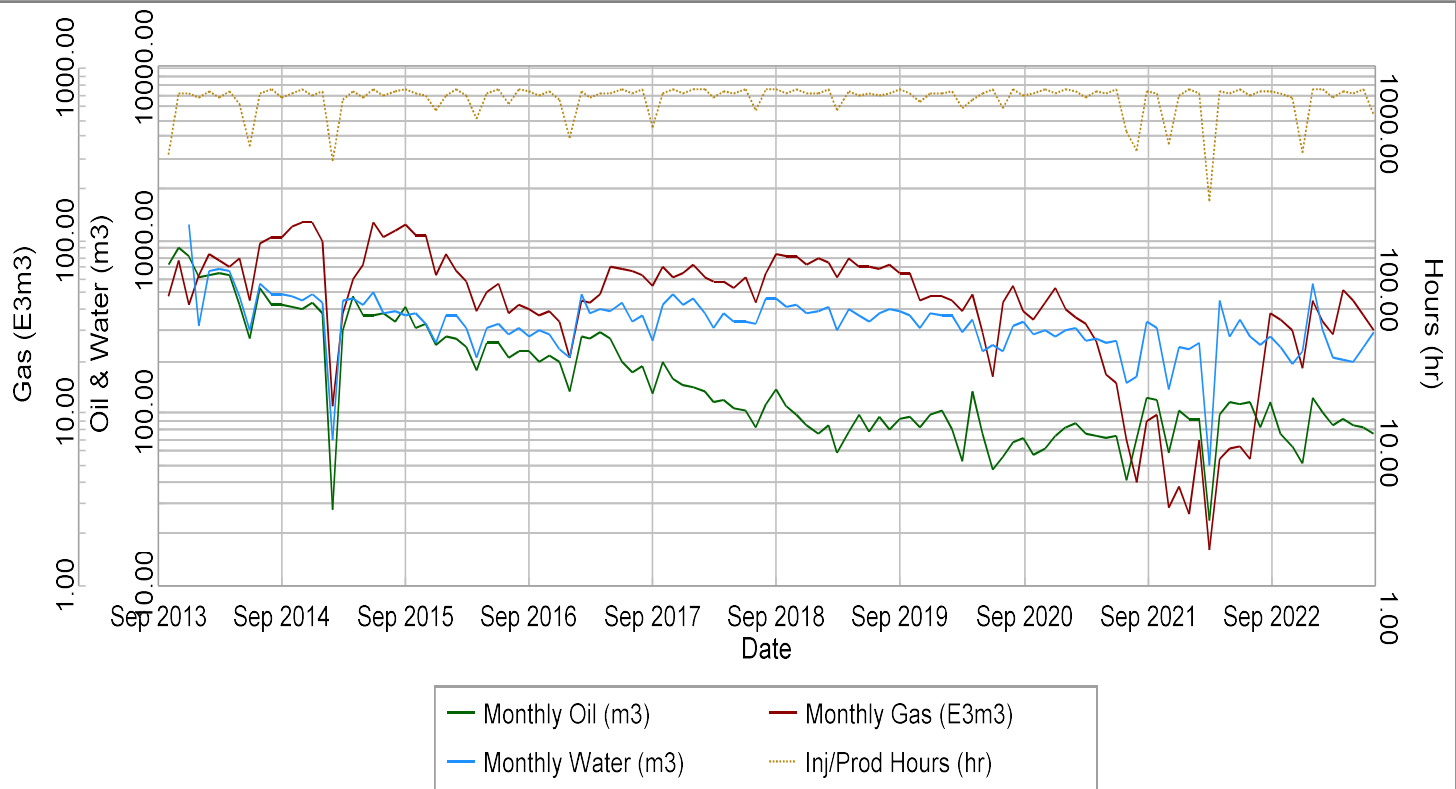
On Prod Date:	2013-09-18	Producing Hours:	1284 hr
Oil + Cond (3 Mo):	160.10 m3	GOR:	422.24 m3/m3
Gas (3 Mo):	67.60 E3m3	WGR:	8.00 m3/E3m3
Water (3 Mo):	540.70 m3	WCT%:	77.2 %
Oil + Cond/Day:	2.99 m3/d	Gas/Day:	1.26 E3m3/d

## Production Graph

UWI: 00/13-26-047-07W5/00  
Well Name: INPLAY OIL PEMBINA 13-26-47-7  
Curr Licensee: INPLAY OIL CORP.  
Orig Licensee: BELLATRIX EXPLORATION LTD.  
Status: PUMPING OIL

On Prod: 2013-09-18  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850282

Cum Oil: 23358.9 m3  
Cum Gas: 6292.8 E3m3  
Cum Wtr: 40937.4 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3

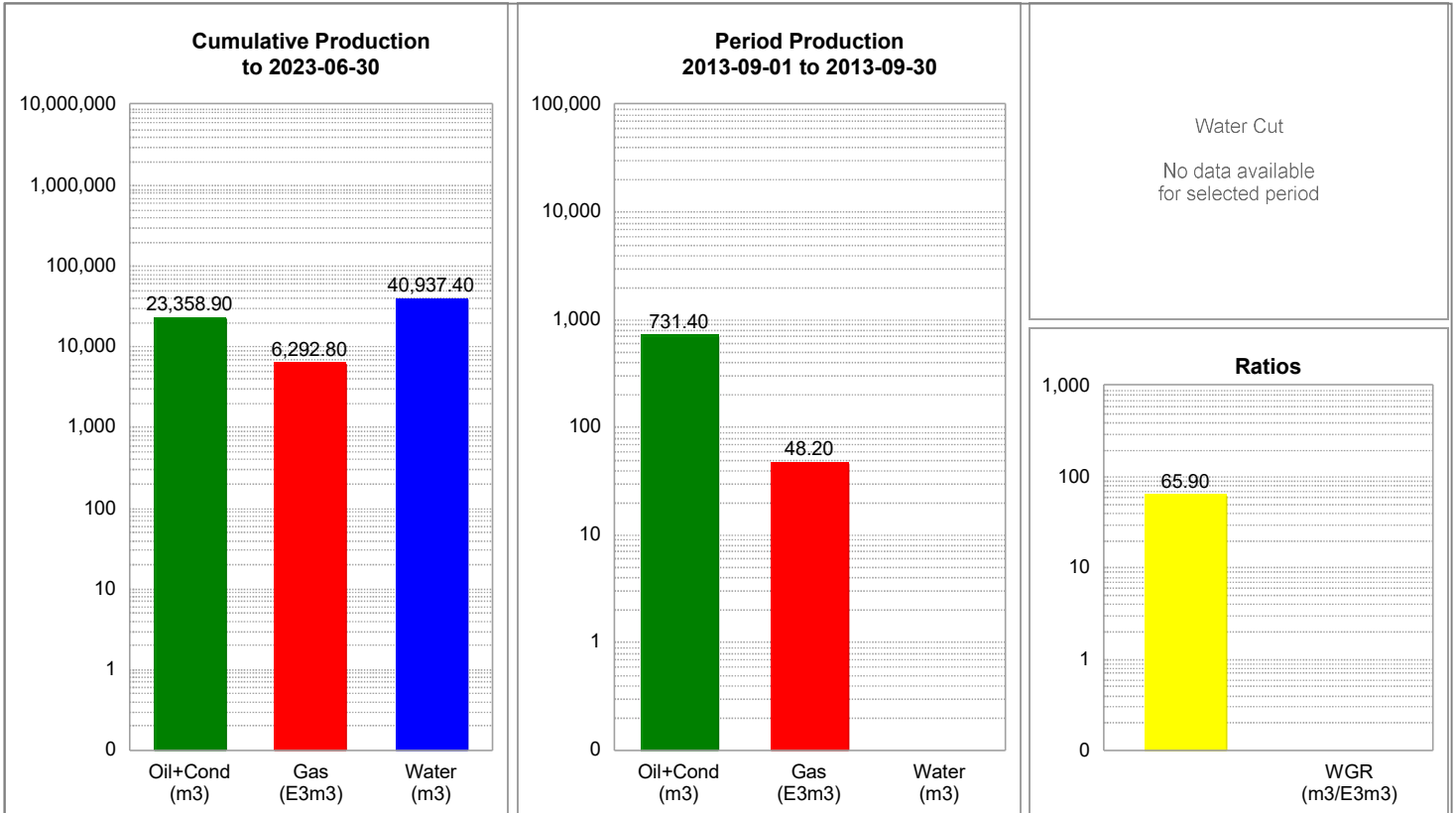




## Production Summary

UWI: 00/13-26-047-07W5/00  
Prod Form: CARSD  
On Prod Date: 2013-09-18

Hours: 312  
Oil+Cond Rate: 56.26 m3/d  
Gas Rate: 3.71 E3m3/d



## Header

UWI:	00/02-26-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100142604607W500
Mode:	Pumping	Bottom Hole Location:	100022604607W500
Status:	PUMPING OIL	Surface Hole Coord:	S355.0 E475.0 m
		Bottom Hole Coord:	N267.2 W756.7 m
License		Surface Hole Latitude:	53.000806
Well Name:	ERC HZ PEMBINA 2-26-46-7	Surface Hole Longitude:	-114.911591
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.991932
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.906084
Original Licensee:	ENERPLUS OIL & GAS LTD.		
License Number:	0426913	Dates	
Province/State:	Alberta	License Date:	2010-12-02
Confidential:	Non-Confidential	Spud Date:	2011-02-10
Lahee:	DEVELOPMENT	Final Drill Date:	2011-02-26
Rig Type:	Horizontal	Rig Release Date:	2011-02-28
Well Type:	Horizontal	Completion Date:	2011-03-20
License Type:	Production	Days Drilled:	18
Well Event Type:	Parent	On Production Date:	2011-03-31
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-29
Surface Abandon Type:		Current Status Date:	2015-05-21
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-05-31
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	904.5 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	899.8 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	QUINTERA DRILLING LTD.	Projected Total Depth:	2506.8 m
Drilling Rig Number:	9	Max True Vertical Depth:	1570.7 m
		Total True Vertical Depth:	1570.6 m
Play		Total Depth:	2510.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1077.7 m
		Target Depth:	
		Lateral Length:	790.6 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2010-12-02	00720000	LICENSED
2	2011-02-10	00730000	SPUDDED
3	2011-02-26	00740000	FINISHED DRILLING
4	2011-02-28	00750000	RIG RELEASED
5	2011-02-26	00070000	DRILLED AND CASED
6	2011-03-20	01100000	FLOWING OIL
7	2012-02-19	01110000	PUMPING OIL
8	2013-12-05	01010000	SUSPENDED OIL
9	2015-05-21	01110000	PUMPING OIL

## System Tops (KB Elevation: 904.5 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
EDMNTN	367.0	367.0	537.5	113.2	
KNEEHLTF	480.2	480.2	424.3	7.0	
HRSHOECN	487.2	487.2	417.3	474.1	
BELLYRV	961.3	961.3	-56.8	284.0	
LEAPRK	1245.3	1246.4	-340.8	136.7	
COLRAD	1382.0	1389.5	-477.5	160.9	
CARD	1542.9	1635.2	-638.4		

Total TVD:	1570.6 m	Projected Formation:	CARDIUM
Total Depth:	2510.0 m	Projected Total Depth:	2506.8 m

User Tops (KB Elevation: 904.5 m) - No data

DSTs and IPs - No data

Cores - No data

Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2011-03-19	TREATMENT	1797.0	2495.3	0	FRACTURED	
1	2011-03-19	TREATMENT	2495.3	2495.4	0	FRACTURED	
2	2011-03-19	TREATMENT	2403.3	2403.4	0	FRACTURED	
3	2011-03-19	TREATMENT	2299.9	2300.0	0	FRACTURED	
4	2011-03-19	TREATMENT	2194.3	2194.4	0	FRACTURED	
5	2011-03-19	TREATMENT	2102.1	2102.2	0	FRACTURED	
6	2011-03-19	TREATMENT	1995.6	1995.7	0	FRACTURED	
7	2011-03-19	TREATMENT	1904.3	1904.4	0	FRACTURED	
8	2011-03-19	TREATMENT	1797.0	1797.1	0	FRACTURED	

Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		527.0	HRSHOECN	527.0	244.500		
2	Intermediate		1659.0	CARD	1659.0	177.800		
3	Liner	1634.8	2509.0	CARD	2509.0	114.300		
4	Liner		1634.8	COLRAD	1634.8	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	53.6
2	Intermediate	J	55	34.2
3	Liner	P	110	17.3
4	Liner	p	110	17.3

Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	36.3	tonne	Class G Neat		0
2	1	Intermediate	10.0	tonne	Light Weight		0
2	2	Intermediate	13.9	tonne	Light Weight		0
3	1	Liner	0.0		UnCem CSG/Liner		0
4	1	Liner	0.0		UnCem CSG/Liner		0

Logs Run

#	Method Description
1	CEMENT BOND
2	COMPENSATED NEUTRON LOG
3	FORMATION DENSITY/DENSILOG
4	SONIC/ACOUSTIC

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

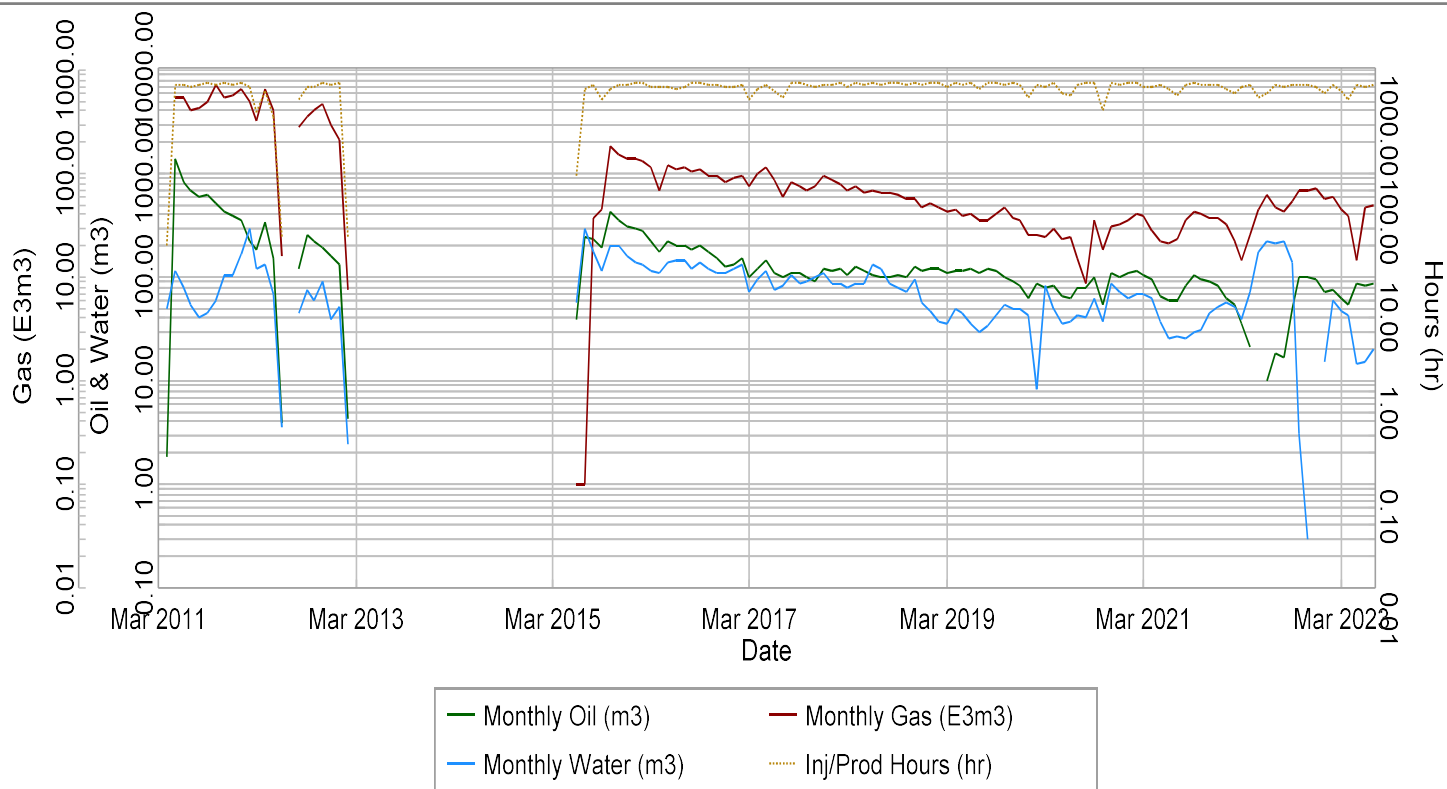
On Prod Date:	2011-03-31	Producing Hours:	1406 hr
Oil + Cond (3 Mo):	169.30 m3	GOR:	570.58 m3/m3
Gas (3 Mo):	96.60 E3m3	WGR:	0.37 m3/E3m3
Water (3 Mo):	36.20 m3	WCT%:	17.6 %
Oil + Cond/Day:	2.89 m3/d	Gas/Day:	1.65 E3m3/d

## Production Graph

UWI: 00/02-26-046-07W5/00  
Well Name: ERC HZ PEMBINA 2-26-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: ENERPLUS OIL & GAS LTD.  
Status: PUMPING OIL

On Prod: 2011-03-31  
Prod Form: CARSDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850659

Cum Oil: 19169.2 m3  
Cum Gas: 14550.9 E3m3  
Cum Wtr: 9849.6 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3

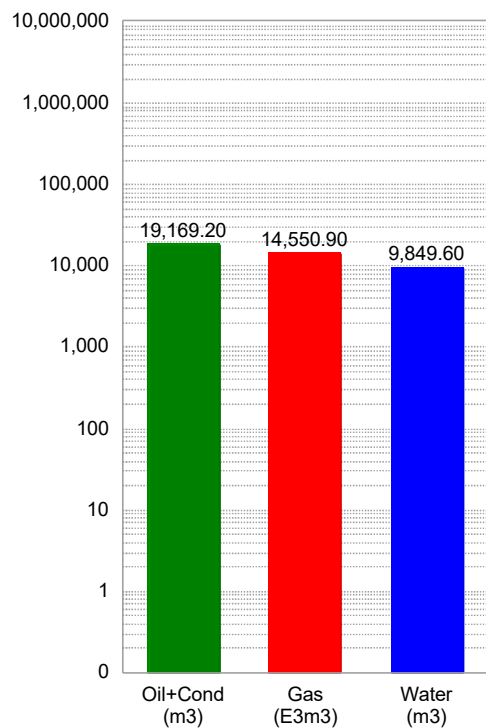


# Production Summary

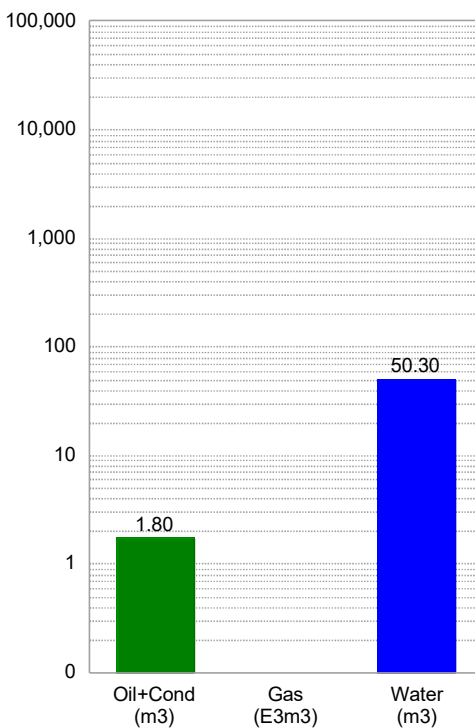
UWI: 00/02-26-046-07W5/00  
 Prod Form: CARSDSD  
 On Prod Date: 2011-03-31

Hours: 20  
 Oil+Cond Rate: 2.16 m3/d  
 Gas Rate: 0.00 E3m3/d

**Cumulative Production  
to 2023-06-30**

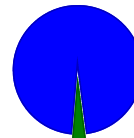


**Period Production  
2011-03-01 to 2011-03-31**



**Water Cut**

Water: 96.5%



**Ratios**

No data available  
for selected period

## Header

UWI:	03/08-22-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100082304607W500
Mode:	Pumping	Bottom Hole Location:	103082204607W500
Status:	PUMPING OIL	Surface Hole Coord:	N588.9 W132.3 m
		Bottom Hole Coord:	N415.1 W278.6 m
License		Surface Hole Latitude:	52.980168
Well Name:	BONTERRA HZ 103 PEMBINA 8-22-46-7	Surface Hole Longitude:	-114.896779
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.978653
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.923114
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0503379	Dates	
Province/State:	Alberta	License Date:	2022-02-17
Confidential:	Non-Confidential	Spud Date:	2023-01-22
Lahee:	DEVELOPMENT	Final Drill Date:	2023-01-27
Rig Type:	Horizontal	Rig Release Date:	2023-01-29
Well Type:	Horizontal	Completion Date:	2023-02-11
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2023-02-13
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2023-02-11
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2023-04-04
Producing Formation:	CARD		
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	904.4 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	899.7 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3250.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1591.6 m
		Total True Vertical Depth:	1591.6 m
Play		Total Depth:	3149.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	1729.8 m
		Target Depth:	
		Lateral Length:	1419.2 m
		Related Data	
		Has Digital Logs:	No
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2022-02-17	00720000	LICENSED
2	2023-01-22	00730000	SPUDDED
3	2023-01-27	00740000	FINISHED DRILLING
4	2023-02-11	01110000	PUMPING OIL

System Tops (KB Elevation: 904.4 m) - No data

User Tops (KB Elevation: 904.4 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2023-02-03	TREATMENT	1761.4	3132.7	0	FRACTURED	
1	2023-02-02	TREATMENT	3121.1	3121.7	0	FRACTURED	
2	2023-02-02	TREATMENT	3074.4	3075.0	0	FRACTURED	
3	2023-02-02	TREATMENT	3027.5	3028.1	0	FRACTURED	
4	2023-02-02	TREATMENT	2980.4	2981.1	0	FRACTURED	
5	2023-02-02	TREATMENT	2933.3	2934.0	0	FRACTURED	
6	2023-02-02	TREATMENT	2886.2	2886.9	0	FRACTURED	
7	2023-02-02	TREATMENT	2839.3	2839.9	0	FRACTURED	
8	2023-02-02	TREATMENT	2792.8	2793.4	0	FRACTURED	
9	2023-02-02	TREATMENT	2746.1	2746.8	0	FRACTURED	
10	2023-02-02	TREATMENT	2699.5	2700.1	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
11	2023-02-02	TREATMENT	2652.4	2653.0	0	FRACTURED	
12	2023-02-02	TREATMENT	2605.5	2606.1	0	FRACTURED	
13	2023-02-02	TREATMENT	2558.4	2559.0	0	FRACTURED	
14	2023-02-02	TREATMENT	2511.4	2512.0	0	FRACTURED	
15	2023-02-03	TREATMENT	2465.0	2465.7	0	FRACTURED	
16	2023-02-03	TREATMENT	2418.3	2419.0	0	FRACTURED	
17	2023-02-03	TREATMENT	2371.8	2372.4	0	FRACTURED	
18	2023-02-03	TREATMENT	2325.0	2325.6	0	FRACTURED	
19	2023-02-03	TREATMENT	2277.9	2278.6	0	FRACTURED	
20	2023-02-03	TREATMENT	2230.9	2231.6	0	FRACTURED	
21	2023-02-03	TREATMENT	2183.9	2184.5	0	FRACTURED	
22	2023-02-03	TREATMENT	2137.2	2137.8	0	FRACTURED	
23	2023-02-03	TREATMENT	2090.9	2091.5	0	FRACTURED	
24	2023-02-03	TREATMENT	2043.8	2044.4	0	FRACTURED	
25	2023-02-03	TREATMENT	1996.8	1997.4	0	FRACTURED	
26	2023-02-03	TREATMENT	1949.7	1950.3	0	FRACTURED	
27	2023-02-03	TREATMENT	1902.6	1903.3	0	FRACTURED	
28	2023-02-03	TREATMENT	1855.6	1856.2	0	FRACTURED	
29	2023-02-03	TREATMENT	1808.5	1809.1	0	FRACTURED	
30	2023-02-03	TREATMENT	1761.4	1762.0	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		527.0		527.0	177.800		
2	Production		3149.0		3149.0	114.300		
#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)				
1	Surface	J	55	25.3				
2	Production	P	110	17.3				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	19.0	tonne	Class G Neat		0
2	2	Production	23.0	tonne	Class G Neat		0
2	1	Production	11.0	tonne	Light Weight		0

## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

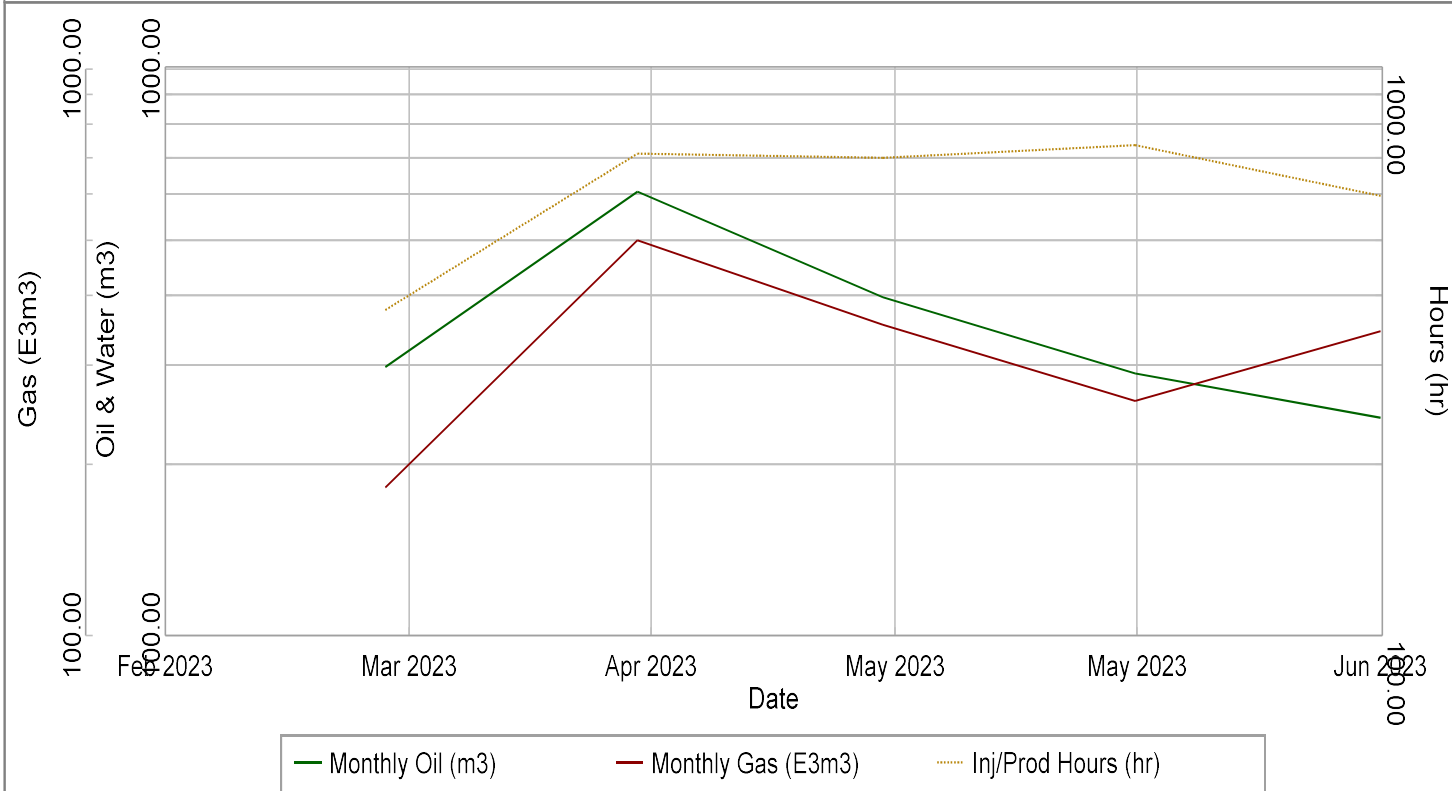
On Prod Date:	2023-02-13	Producing Hours:	1329 hr
Oil + Cond (3 Mo):	531.10 m3	GOR:	1,137.64 m3/m3
Gas (3 Mo):	604.20 E3m3	WGR:	0.00 m3/E3m3
Water (3 Mo):	0.00 m3	WCT%:	0.0 %
Oil + Cond/Day:	9.59 m3/d	Gas/Day:	10.91 E3m3/d

## Production Graph

UWI: 03/08-22-046-07W5/00  
Well Name: BONTERRA HZ 103 PEMBINA  
8-22-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2023-02-13  
Prod Form: CARD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850659

Cum Oil: 1834.8 m3  
Cum Gas: 1640.6 E3m3  
Cum Wtr: 0.0 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3

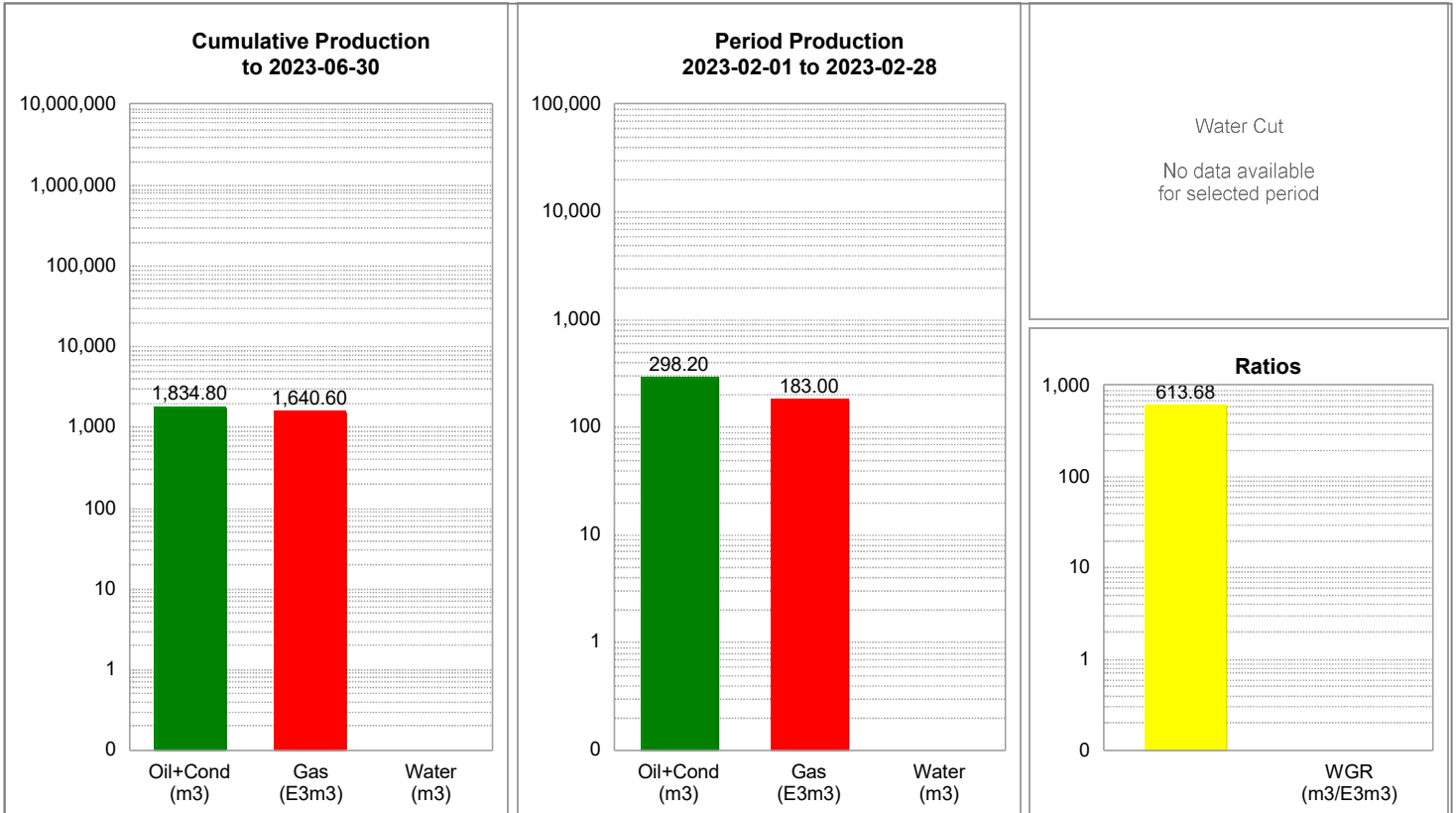




## Production Summary

UWI: 03/08-22-046-07W5/00  
Prod Form: CARD  
On Prod Date: 2023-02-13

Hours: 376  
Oil+Cond Rate: 19.03 m3/d  
Gas Rate: 11.68 E3m3/d



## Header

UWI:	02/14-23-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100142404607W500
Mode:	Pumping	Bottom Hole Location:	102142304607W500
Status:	PUMPING OIL	Surface Hole Coord:	S201.1 E615.4 m
		Bottom Hole Coord:	S364.2 E549.5 m
License		Surface Hole Latitude:	52.987498
Well Name:	BONTERRA 102 HZ PEMBINA 14-23-46-7	Surface Hole Longitude:	-114.885350
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.986083
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.910484
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0494164	Dates	
Province/State:	Alberta	License Date:	2019-04-09
Confidential:	Non-Confidential	Spud Date:	2019-08-14
Lahee:	DEVELOPMENT	Final Drill Date:	2019-08-25
Rig Type:	Horizontal	Rig Release Date:	2019-08-28
Well Type:	Horizontal	Completion Date:	2019-10-05
License Type:	Production	Days Drilled:	14
Well Event Type:	Parent	On Production Date:	2019-10-05
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2019-10-05
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2020-01-31
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	915.1 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	910.1 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3170.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1596.6 m
		Total True Vertical Depth:	1595.2 m
Play		Total Depth:	3157.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1411.7 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	Yes

## Status History

#	Date	Code	Status
1	2019-04-09	00720000	LICENSED
2	2019-08-14	00730000	SPUDDED
3	2019-08-25	00740000	FINISHED DRILLING
4	2019-08-28	00750000	RIG RELEASED
5	2019-08-25	00070000	DRILLED AND CASED
6	2019-10-05	01110000	PUMPING OIL

## System Tops (KB Elevation: 915.1 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	960.7	960.8	-45.6	291.9	
LEAPRK	1252.6	1253.1	-337.5	136.9	
COLRAD	1389.5	1397.1	-474.4	162.4	
CARD	1551.9	1647.0	-636.8	23.6	
CARDSD	1575.5	1707.5	-660.4		

Total TVD:	1595.2 m	Projected Formation:	CARDIUM
Total Depth:	3157.0 m	Projected Total Depth:	3170.0 m

User Tops (KB Elevation: 915.1 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2019-09-26	TREATMENT	1746.5	3119.9	0	FRACTURED	
1	2019-09-25	TREATMENT	3119.2	3119.9	0	FRACTURED	
2	2019-09-25	TREATMENT	3073.5	3074.1	0	FRACTURED	
3	2019-09-25	TREATMENT	3027.5	3028.1	0	FRACTURED	
4	2019-09-25	TREATMENT	2980.9	2981.5	0	FRACTURED	
5	2019-09-25	TREATMENT	2935.2	2935.9	0	FRACTURED	
6	2019-09-25	TREATMENT	2889.2	2889.9	0	FRACTURED	
7	2019-09-25	TREATMENT	2843.4	2884.0	0	FRACTURED	
8	2019-09-25	TREATMENT	2797.9	2798.6	0	FRACTURED	
9	2019-09-25	TREATMENT	2751.3	2752.0	0	FRACTURED	
10	2019-09-25	TREATMENT	2705.3	2706.0	0	FRACTURED	
11	2019-09-25	TREATMENT	2659.0	2659.7	0	FRACTURED	
12	2019-09-25	TREATMENT	2612.8	2613.5	0	FRACTURED	
13	2019-09-25	TREATMENT	2566.5	2567.2	0	FRACTURED	
14	2019-09-25	TREATMENT	2520.9	2521.6	0	FRACTURED	
15	2019-09-25	TREATMENT	2474.4	2475.1	0	FRACTURED	
16	2019-09-25	TREATMENT	2428.7	2429.4	0	FRACTURED	
17	2019-09-25	TREATMENT	2382.4	2383.0	0	FRACTURED	
18	2019-09-25	TREATMENT	2335.9	2336.6	0	FRACTURED	
19	2019-09-25	TREATMENT	2289.6	2290.3	0	FRACTURED	
20	2019-09-25	TREATMENT	2243.1	2243.7	0	FRACTURED	
21	2019-09-25	TREATMENT	2197.2	2197.9	0	FRACTURED	
22	2019-09-25	TREATMENT	2150.4	2151.1	0	FRACTURED	
23	2019-09-25	TREATMENT	2104.3	2104.9	0	FRACTURED	
24	2019-09-25	TREATMENT	2058.0	2058.6	0	FRACTURED	
25	2019-09-25	TREATMENT	2012.1	2012.8	0	FRACTURED	
26	2019-09-25	TREATMENT	1966.2	1966.8	0	FRACTURED	
27	2019-09-25	TREATMENT	1920.2	1920.9	0	FRACTURED	
28	2019-09-25	TREATMENT	1873.9	1874.5	0	FRACTURED	
29	2019-09-25	TREATMENT	1828.0	1828.6	0	FRACTURED	
30	2019-09-25	TREATMENT	1781.6	1782.3	0	FRACTURED	
31	2019-09-25	TREATMENT	1746.5	1747.2	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		540.0		540.0	177.800		
2	Production		3157.0	CARDSD	3157.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	29.8
2	Production	P	110	17.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	23.0	tonne	Class G Neat		0
2	1	Production	21.0	tonne	Light Weight		0
2	2	Production	23.0	tonne	Class G Neat		0

## Logs Run

#	Method Description
1	GAMMA RAY
2	COMPENSATED NEUTRON LOG
3	PERFORATION LOG

## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

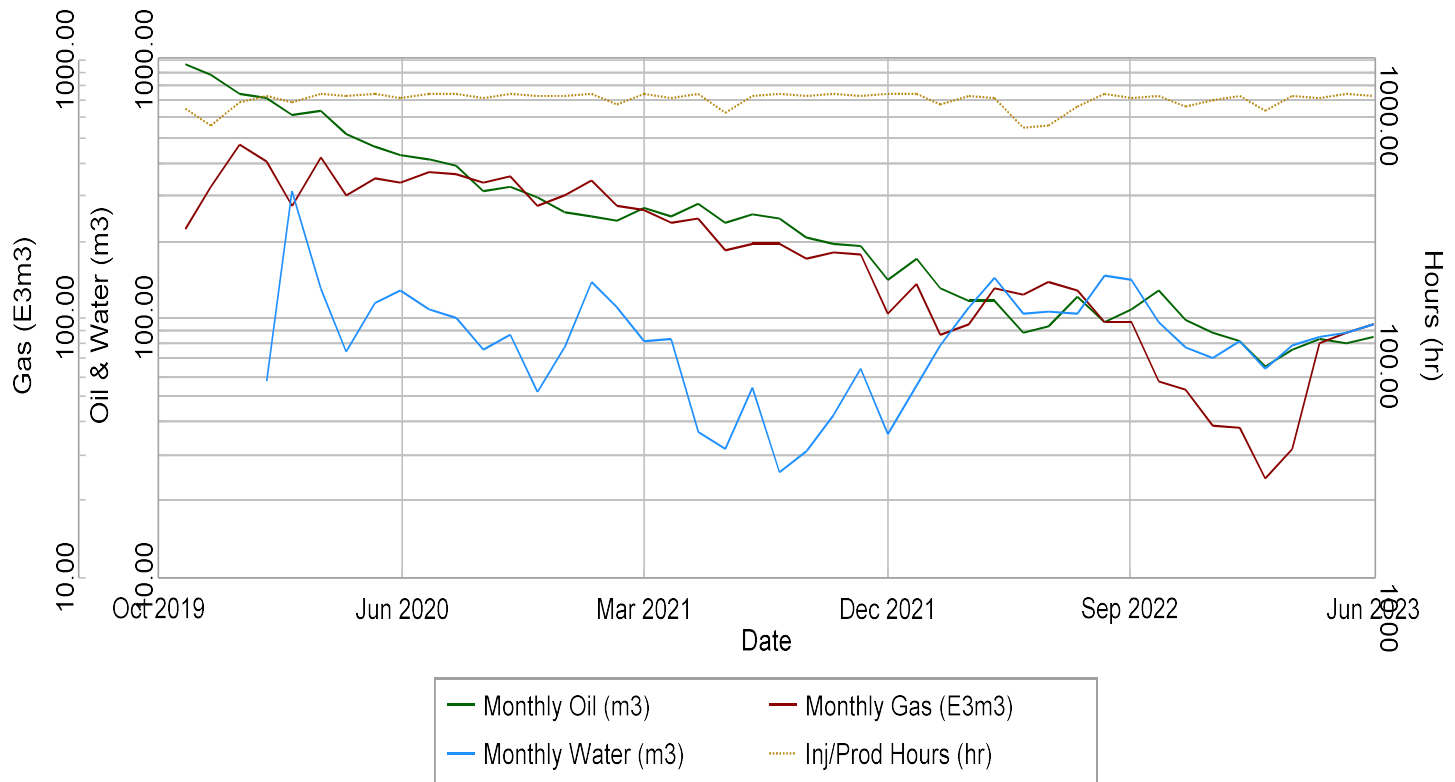
On Prod Date:	2019-10-05	Producing Hours:	1454 hr
Oil + Cond (3 Mo):	165.60 m3	GOR:	1,115.34 m3/m3
Gas (3 Mo):	184.70 E3m3	WGR:	0.99 m3/E3m3
Water (3 Mo):	183.70 m3	WCT%:	52.6 %
Oil + Cond/Day:	2.73 m3/d	Cum Oil + Cond:	12,547.60 m3
		Cum Gas:	9,209.60 E3m3
		Cum Water:	3,792.50 m3
		Gas/Day:	3.05 E3m3/d

## Production Graph

UWI: 02/14-23-046-07W5/00  
Well Name: BONTERRA 102 HZ PEMBINA  
14-23-46-7  
Curr Licensee: BONTERRA ENERGY CORP.  
Orig Licensee: BONTERRA ENERGY CORP.  
Status: PUMPING OIL

On Prod: 2019-10-05  
Prod Form: CARDSD  
Field: PEMBINA (AB0685)  
Pool Code: AB06850176000  
Battery: 6850659

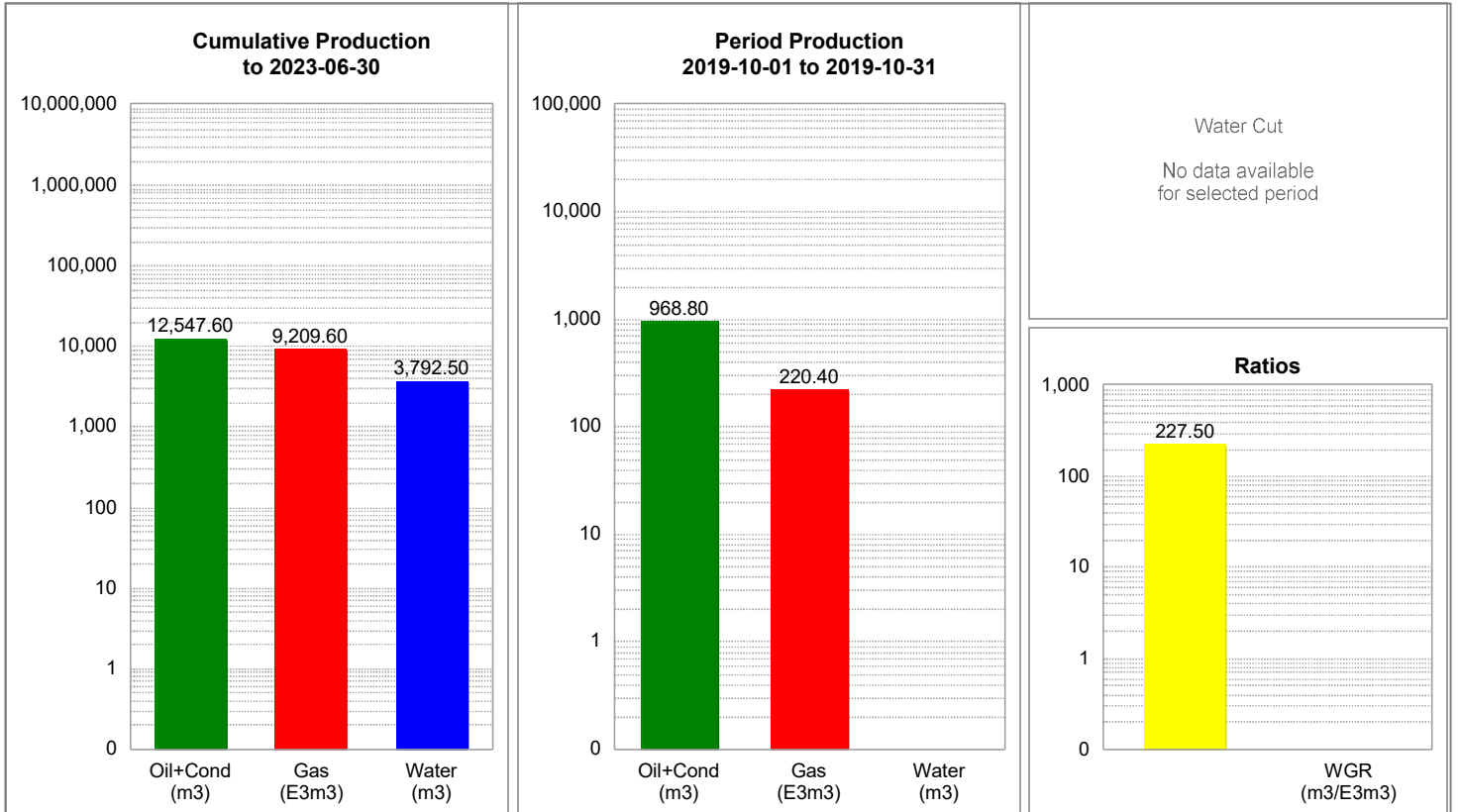
Cum Oil: 12547.6 m3  
Cum Gas: 9209.6 E3m3  
Cum Wtr: 3792.5 m3  
Cum Inj Oil: 0.0 m3  
Cum Inj Gas: 0.0 E3m3  
Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 02/14-23-046-07W5/00  
Prod Form: CARSD  
On Prod Date: 2019-10-05

Hours: 648  
Oil+Cond Rate: 35.88 m3/d  
Gas Rate: 8.16 E3m3/d



## Header

UWI:	00/12-15-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100142204607W500
Mode:	Pumping	Bottom Hole Location:	100121504607W500
Status:	PUMPING OIL	Surface Hole Coord:	S236.2 E604.7 m
		Bottom Hole Coord:	S511.2 E184.6 m
License		Surface Hole Latitude:	52.987276
Well Name:	BONTERRA HZ PEMBINA 12-15-46-7	Surface Hole Longitude:	-114.933791
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.970360
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.940041
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0501225	Dates	
Province/State:	Alberta	License Date:	2021-09-16
Confidential:	Non-Confidential	Spud Date:	2021-10-21
Lahee:	DEVELOPMENT	Final Drill Date:	2021-10-27
Rig Type:	Horizontal	Rig Release Date:	2021-10-28
Well Type:	Horizontal	Completion Date:	2022-01-19
License Type:	Production	Days Drilled:	7
Well Event Type:	Parent	On Production Date:	2022-01-24
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-22
Surface Abandon Type:		Current Status Date:	2022-01-19
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-10-06
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM SAND	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	895.8 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	890.8 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3450.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1597.1 m
		Total True Vertical Depth:	1596.9 m
Play		Total Depth:	3491.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1761.2 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-09-16	00720000	LICENSED
2	2021-10-21	00730000	SPUDDED
3	2021-10-27	00740000	FINISHED DRILLING
4	2021-10-28	00750000	RIG RELEASED
5	2021-10-27	00070000	DRILLED AND CASED
6	2022-01-19	01110000	PUMPING OIL

## System Tops (KB Elevation: 895.8 m)

Short Name	TVD (m)	MD (m)	Subsea (m)	Isopach (m)	Por Int (m)
BELLYRV	922.0	922.1	-26.2	325.5	
LEAPRK	1247.5	1247.6	-351.7	137.6	
COLRAD	1385.1	1387.3	-489.3	168.1	
CARD	1553.2	1631.0	-657.4	23.2	
CARDSD	1576.4	1691.7	-680.6		

Total TVD:	1596.9 m	Projected Formation:	CARDIUM
Total Depth:	3491.0 m	Projected Total Depth:	3450.0 m

User Tops (KB Elevation: 895.8 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2022-01-08	TREATMENT	1862.6	3463.9	0	FRACTURED	
1	2022-01-08	TREATMENT	3463.0	3463.9	0	FRACTURED	
2	2022-01-08	TREATMENT	3423.5	3424.4	0	FRACTURED	
3	2022-01-08	TREATMENT	3383.6	3384.5	0	FRACTURED	
4	2022-01-08	TREATMENT	3340.9	3341.8	0	FRACTURED	
5	2022-01-08	TREATMENT	3289.7	3290.6	0	FRACTURED	
6	2022-01-08	TREATMENT	3251.5	3252.5	0	FRACTURED	
7	2022-01-08	TREATMENT	3199.6	3200.6	0	FRACTURED	
8	2022-01-08	TREATMENT	3161.3	3162.2	0	FRACTURED	
9	2022-01-08	TREATMENT	3109.7	3110.6	0	FRACTURED	
10	2022-01-08	TREATMENT	3071.2	3072.1	0	FRACTURED	
11	2022-01-08	TREATMENT	3032.5	3033.5	0	FRACTURED	
12	2022-01-08	TREATMENT	2981.0	2981.9	0	FRACTURED	
13	2022-01-08	TREATMENT	2930.0	2931.0	0	FRACTURED	
14	2022-01-08	TREATMENT	2878.3	2879.2	0	FRACTURED	
15	2022-01-08	TREATMENT	2827.4	2828.3	0	FRACTURED	
16	2022-01-08	TREATMENT	2776.4	2777.3	0	FRACTURED	
17	2022-01-08	TREATMENT	2737.5	2738.4	0	FRACTURED	
18	2022-01-08	TREATMENT	2698.6	2699.6	0	FRACTURED	
19	2022-01-08	TREATMENT	2660.1	2661.1	0	FRACTURED	
20	2022-01-08	TREATMENT	2622.0	2622.9	0	FRACTURED	
21	2022-01-08	TREATMENT	2582.9	2583.9	0	FRACTURED	
22	2022-01-08	TREATMENT	2544.3	2545.3	0	FRACTURED	
23	2022-01-08	TREATMENT	2505.7	2506.7	0	FRACTURED	
24	2022-01-08	TREATMENT	2391.9	2392.8	0	FRACTURED	
25	2022-01-08	TREATMENT	2340.7	2341.7	0	FRACTURED	
26	2022-01-08	TREATMENT	2288.6	2289.6	0	FRACTURED	
27	2022-01-08	TREATMENT	2238.0	2239.0	0	FRACTURED	
28	2022-01-08	TREATMENT	2181.2	2183.2	0	FRACTURED	
29	2022-01-08	TREATMENT	2125.3	2126.3	0	FRACTURED	
30	2022-01-08	TREATMENT	2070.3	2071.3	0	FRACTURED	
31	2022-01-08	TREATMENT	2014.0	2014.9	0	FRACTURED	
32	2022-01-08	TREATMENT	1963.3	1964.2	0	FRACTURED	
33	2022-01-08	TREATMENT	1912.5	1913.5	0	FRACTURED	
34	2022-01-08	TREATMENT	1862.6	1863.5	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		537.0		537.0	177.800		
2	Production		3491.0	CARDSD	3491.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	
2	Production	P	110	

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	17.5	tonne	Class G Neat		0
2	1	Production	10.0	tonne	Light Weight		0
2	2	Production	26.0	tonne	Class G Neat		0

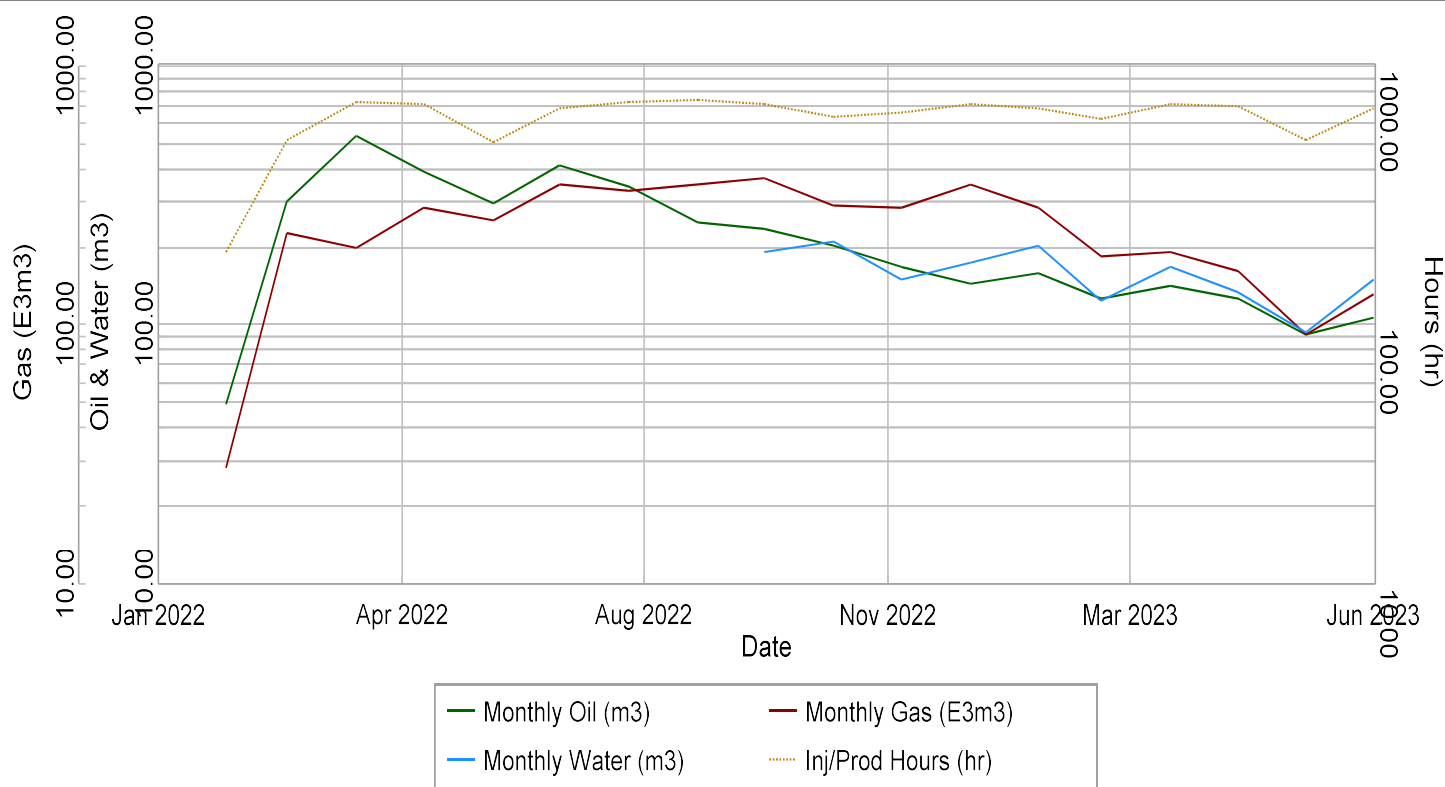
## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	2022-01-24	Producing Hours:	1199 hr
Oil + Cond (3 Mo):	199.40 m3	GOR:	1,118.86 m3/m3
Gas (3 Mo):	223.10 E3m3	WGR:	1.10 m3/E3m3
Water (3 Mo):	244.30 m3	WCT%:	55.1 %
Oil + Cond/Day:	3.99 m3/d	Gas/Day:	4.47 E3m3/d

## Production Graph

UWI:	00/12-15-046-07W5/00	On Prod:	2022-01-24	Cum Oil:	4087.6 m3
Well Name:	BONTERRA HZ PEMBINA 12-15-46-7	Prod Form:	CARDSD	Cum Gas:	4342.0 E3m3
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	1599.7 m3
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 m3
Status:	PUMPING OIL	Battery:	6850659	Cum Inj Gas:	0.0 E3m3
				Cum Inj Wtr:	0.0 m3

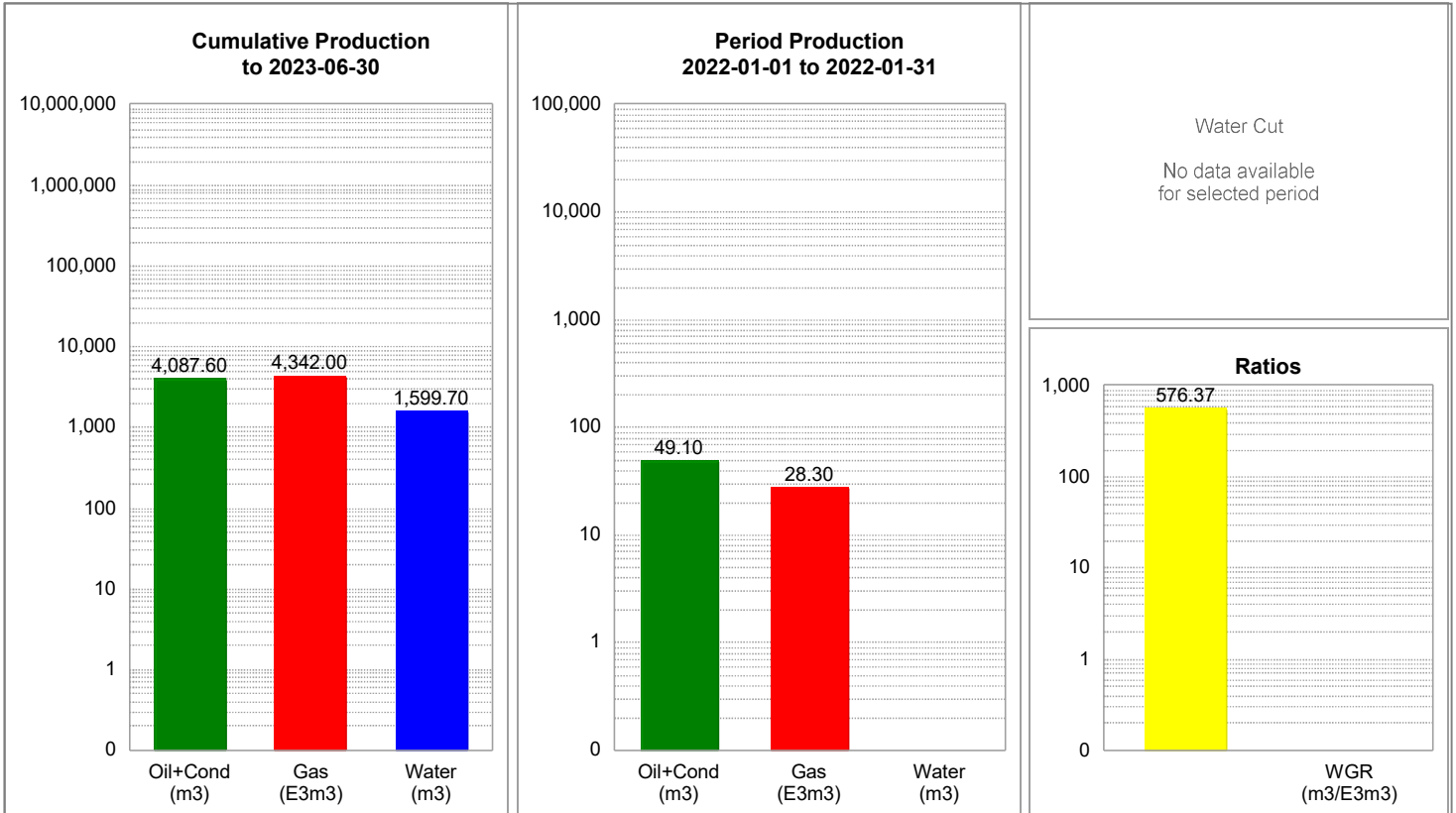




Production Summary

UWI: 00/12-15-046-07W5/00  
 Prod Form: CARDS  
 On Prod Date: 2022-01-24

Hours: 192  
 Oil+Cond Rate: 6.14 m3/d  
 Gas Rate: 3.54 E3m3/d



## Header

UWI:	00/01-28-046-07W5/00	Location	
Fluid:	Oil	Surface Hole Location:	100082704607W500
Mode:	Pumping	Bottom Hole Location:	100012804607W500
Status:	PUMPING OIL	Surface Hole Coord:	N520.3 W321.1 m
		Bottom Hole Coord:	N358.9 W280.4 m
License		Surface Hole Latitude:	52.994236
Well Name:	BONTERRA HZ PEMBINA 1-28-46-7	Surface Hole Longitude:	-114.923748
Current Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.992821
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.947272
Original Licensee:	BONTERRA ENERGY CORP.		
License Number:	0501577	Dates	
Province/State:	Alberta	License Date:	2021-10-15
Confidential:	Non-Confidential	Spud Date:	2021-11-05
Lahee:	DEVELOPMENT	Final Drill Date:	2021-11-10
Rig Type:	Horizontal	Rig Release Date:	2021-11-11
Well Type:	Horizontal	Completion Date:	2022-01-20
License Type:	Production	Days Drilled:	6
Well Event Type:	Parent	On Production Date:	2022-01-20
Purpose:	New Well	On Injection Date:	
Well Objective:	Oil	Last Prod Date:	2023-05-31
Surface Abandon Type:		Current Status Date:	2022-01-20
Objective Fluid:	OIL	Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM	Last Update Date:	2022-07-14
Producing Formation:	CARDSD		
Total Depth Formation:	CARDIUM	Depth	
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	KB Elevation:	894.6 m
Field:	PEMBINA (AB0685)	User KB Elevation:	
Pool:	CARDIUM (AB06850176000)	Ground Elevation:	889.6 m
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Depth Datum:	Kelly Bushing
Drilling Contractor:	IRONHAND DRILLING INC.	Projected Total Depth:	3125.0 m
Drilling Rig Number:	1	Max True Vertical Depth:	1587.6 m
		Total True Vertical Depth:	1586.7 m
Play		Total Depth:	3072.0 m
Play:	CARDIUM	Plugback Depth:	
Play Type:	Tight	Whipstock Depth:	
		Target Depth:	
		Lateral Length:	1368.0 m
		Related Data	
		Has Digital Logs:	Yes
		Has Raster Logs:	No

## Status History

#	Date	Code	Status
1	2021-10-15	00720000	LICENSED
2	2021-11-05	00730000	SPUDDED
3	2021-11-10	00740000	FINISHED DRILLING
4	2021-11-11	00750000	RIG RELEASED
5	2021-11-10	00070000	DRILLED AND CASED
6	2022-01-20	01110000	PUMPING OIL

System Tops (KB Elevation: 894.6 m) - No data

User Tops (KB Elevation: 894.6 m) - No data

DSTs and IPs - No data

Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
0	2022-01-16	TREATMENT	1731.5	3044.2	0	FRACTURED	
1	2022-01-15	TREATMENT	3043.2	3044.2	0	FRACTURED	
2	2022-01-15	TREATMENT	3003.0	3004.0	0	FRACTURED	
3	2022-01-15	TREATMENT	2950.1	2951.0	0	FRACTURED	
4	2022-01-15	TREATMENT	2896.7	2897.6	0	FRACTURED	
5	2022-01-15	TREATMENT	2856.7	2857.6	0	FRACTURED	
6	2022-01-15	TREATMENT	2804.9	2805.9	0	FRACTURED	
7	2022-01-15	TREATMENT	2751.1	2752.1	0	FRACTURED	
8	2022-01-15	TREATMENT	2711.5	2712.4	0	FRACTURED	

## Completions - Continued

#	Compl Date	Compl Type	Upper Depth (m)	Lower Depth (m)	Shots/Meter	Treatments	Description
9	2022-01-15	TREATMENT	2659.3	2660.3	0	FRACTURED	
10	2022-01-15	TREATMENT	2607.5	2608.5	0	FRACTURED	
11	2022-01-15	TREATMENT	2567.3	2568.3	0	FRACTURED	
12	2022-01-15	TREATMENT	2517.1	2518.0	0	FRACTURED	
13	2022-01-15	TREATMENT	2464.9	2465.9	0	FRACTURED	
14	2022-01-15	TREATMENT	2425.0	2426.0	0	FRACTURED	
15	2022-01-15	TREATMENT	2372.8	2373.8	0	FRACTURED	
16	2022-01-15	TREATMENT	2320.3	2321.3	0	FRACTURED	
17	2022-01-15	TREATMENT	2281.3	2282.2	0	FRACTURED	
18	2022-01-15	TREATMENT	2229.6	2230.6	0	FRACTURED	
19	2022-01-15	TREATMENT	2178.3	2179.2	0	FRACTURED	
20	2022-01-15	TREATMENT	2138.6	2139.5	0	FRACTURED	
21	2022-01-15	TREATMENT	2086.1	2087.0	0	FRACTURED	
22	2022-01-16	TREATMENT	2034.3	2035.2	0	FRACTURED	
23	2022-01-16	TREATMENT	1995.7	1996.6	0	FRACTURED	
24	2022-01-16	TREATMENT	1943.8	1944.7	0	FRACTURED	
25	2022-01-16	TREATMENT	1900.1	1901.1	0	FRACTURED	
26	2022-01-16	TREATMENT	1863.5	1864.4	0	FRACTURED	
27	2022-01-16	TREATMENT	1814.1	1815.0	0	FRACTURED	
28	2022-01-16	TREATMENT	1766.8	1767.7	0	FRACTURED	
29	2022-01-16	TREATMENT	1731.6	1732.5	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (m)	Lower Depth (m)	Lower Form	Shoe Depth (m)	Outside Diameter (mm)	Hole Size (mm)	Collar Type
1	Surface		538.0		538.0	177.800		
2	Production		3072.0		3072.0	114.300		

#	Tubing Type	Steel Spec	Tubing Strength (MPa)	Tubing Linear Weight (kg/m)
1	Surface	J	55	29.8
2	Production	P	110	17.3

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
1	1	Surface	20.0	tonne	Class G Neat		0
2	1	Production	10.0	tonne	Light Weight		0
2	2	Production	22.0	tonne	Class G Neat		0

## Logs Run - No data

Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

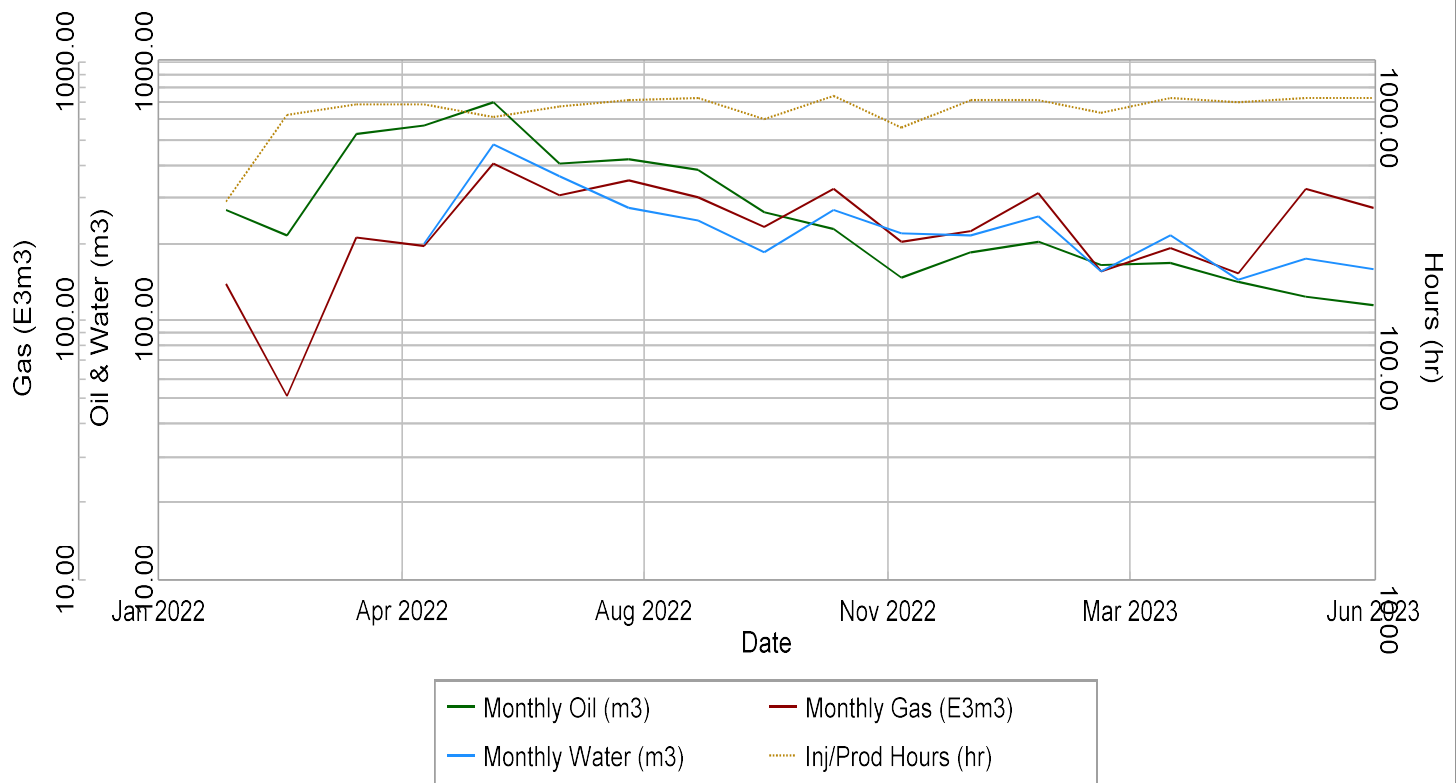
On Prod Date:	2022-01-20	Producing Hours:	1453 hr
Oil + Cond (3 Mo):	239.80 m3	GOR:	2,486.24 m3/m3
Gas (3 Mo):	596.20 E3m3	WGR:	0.56 m3/E3m3
Water (3 Mo):	332.20 m3	WCT%:	58.1 %
Oil + Cond/Day:	3.96 m3/d	Gas/Day:	9.85 E3m3/d

## Production Graph

UWI: 00/01-28-046-07W5/00  
 Well Name: BONTERRA HZ PEMBINA 1-28-46-7  
 Curr Licensee: BONTERRA ENERGY CORP.  
 Orig Licensee: BONTERRA ENERGY CORP.  
 Status: PUMPING OIL

On Prod: 2022-01-20  
 Prod Form: CARDSD  
 Field: PEMBINA (AB0685)  
 Pool Code: AB06850176000  
 Battery: 6850659

Cum Oil: 5225.5 m3  
 Cum Gas: 4343.5 E3m3  
 Cum Wtr: 3541.8 m3  
 Cum Inj Oil: 0.0 m3  
 Cum Inj Gas: 0.0 E3m3  
 Cum Inj Wtr: 0.0 m3



## Production Summary

UWI: 00/01-28-046-07W5/00  
Prod Form: CARSD  
On Prod Date: 2022-01-20

Hours: 288  
Oil+Cond Rate: 22.18 m3/d  
Gas Rate: 11.61 E3m3/d

