

## Header

UWI:	00/06-29-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100062904707W500
Mode:	Injection	Bottom Hole Location:	100062904707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1975.1 E1964.9 ft
License		Bottom Hole Coord:	N1975.1 E1964.9 ft
Well Name:	ROC PEMBINA 6-29-47-7	Surface Hole Latitude:	53.081465
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.991091
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.081465
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.991091
License Number:	0010765	Dates	
Province/State:	Alberta	License Date:	1956-01-09
Confidential:	Non-Confidential	Spud Date:	1956-01-21
Lahee:	DEVELOPMENT	Final Drill Date:	1956-02-05
Rig Type:	Vertical	Rig Release Date:	1956-02-05
Well Type:	Vertical	Completion Date:	1956-03-04
License Type:		Days Drilled:	15
Well Event Type:	Parent	On Production Date:	1956-03-04
Purpose:		On Injection Date:	1958-10-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-10-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2535.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2522.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	4833.0 ft
Drilling Rig Number:		Total True Vertical Depth:	4833.0 ft
Play		Total Depth:	4833.0 ft
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	1956-01-09	00720000	LICENSED
2	1956-01-21	00730000	SPUDDED
3	1956-02-05	00740000	FINISHED DRILLING
4	1956-02-05	00070000	DRILLED AND CASED
5	1956-03-04	01100000	FLOWING OIL
6	1957-03-04	01110000	PUMPING OIL
7	1958-10-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2535.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	586.0	586.0	1949.1	1954.1	
BELLYRV	2540.0	2540.0	-4.9	1111.9	
LEAPRK	3651.9	3651.9	-1116.8	423.2	
COLRAD	4075.1	4075.1	-1540.0	534.8	
CARD	4609.9	4609.9	-2074.8	70.2	
CARDSD	4680.1	4680.1	-2145.0	71.9	
BLACKSTN	4752.0	4752.0	-2216.9		

Total TVD: 4833.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 4833.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2535.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4683.1 ft - 4709.0 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 103300M3/D (3.648MMCF/D) MAX OIL TO SURFACE: 29.4M3/D (1038.246CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1		PERFORATE	4688.0	4709.0	0		
2	1956-02-13	JET PERFORATION	4683.1	4692.9	13		
3	1956-02-13	TREATMENT	4683.1	4709.0	0	ACID WASH	
4	1956-02-13	TREATMENT	4683.1	4709.0	0	FRACTURED	
5	1956-02-13	JET PERFORATION	4698.2	4709.0	13		
6	2006-12-03	TREATMENT	4683.1	4709.0	0	ACID SQUEEZE	
7	2006-12-04	TREATMENT	4668.6	4668.6	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		640.1	EDMNTN	640.1	10.748		
2	Production		4823.2	BLACKSTN	4823.2	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

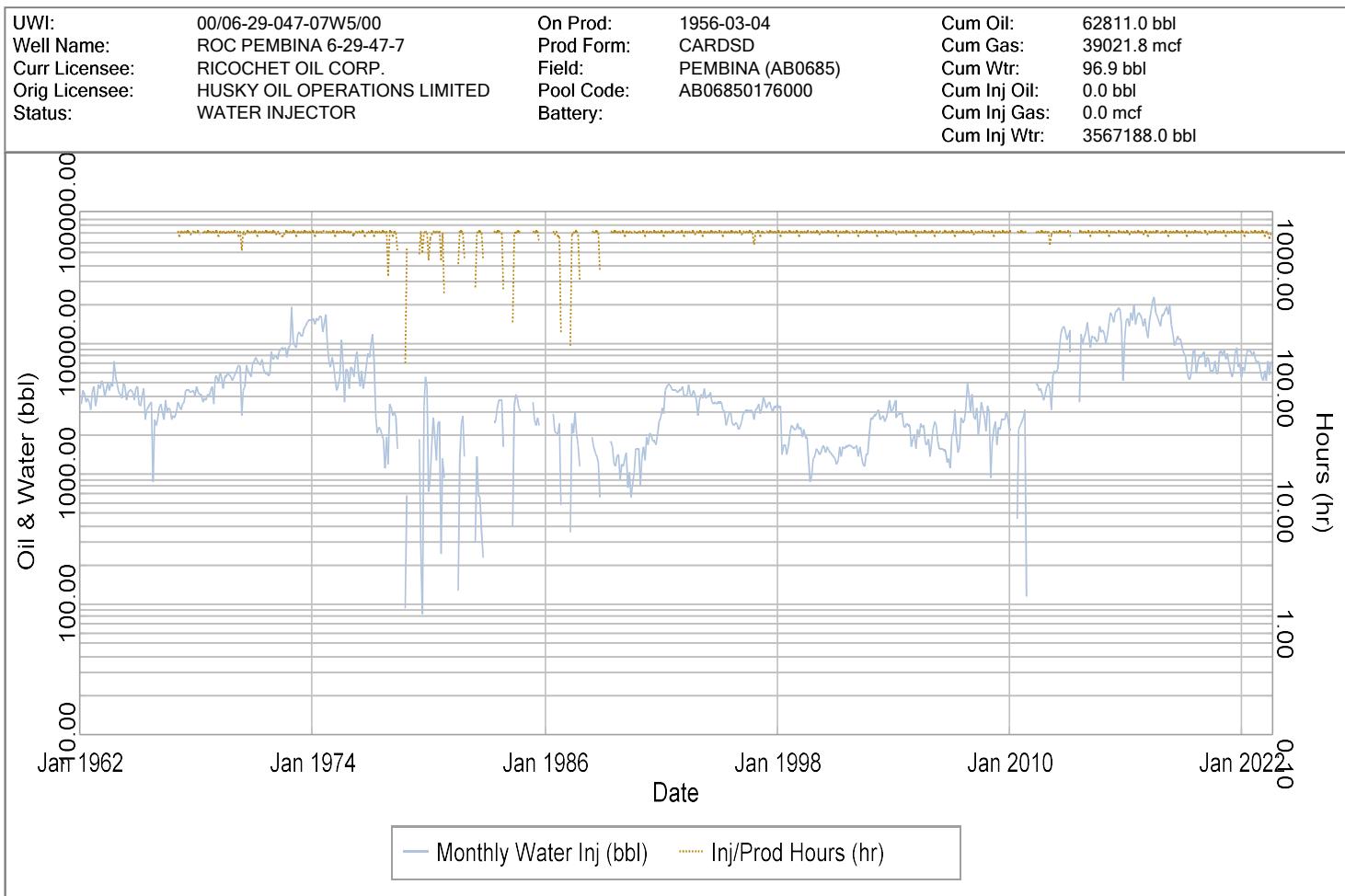
## Logs Run

#	Method Description
1	COMPENSATED NEUTRON LOG
2	RA UNSPECIFIED

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

On Prod Date:	1956-03-04	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d
Cum Oil + Cond:	62,811.02 bbl	Cum Gas:	39,021.81 mcf	
Cum Water:	96.91 bbl			

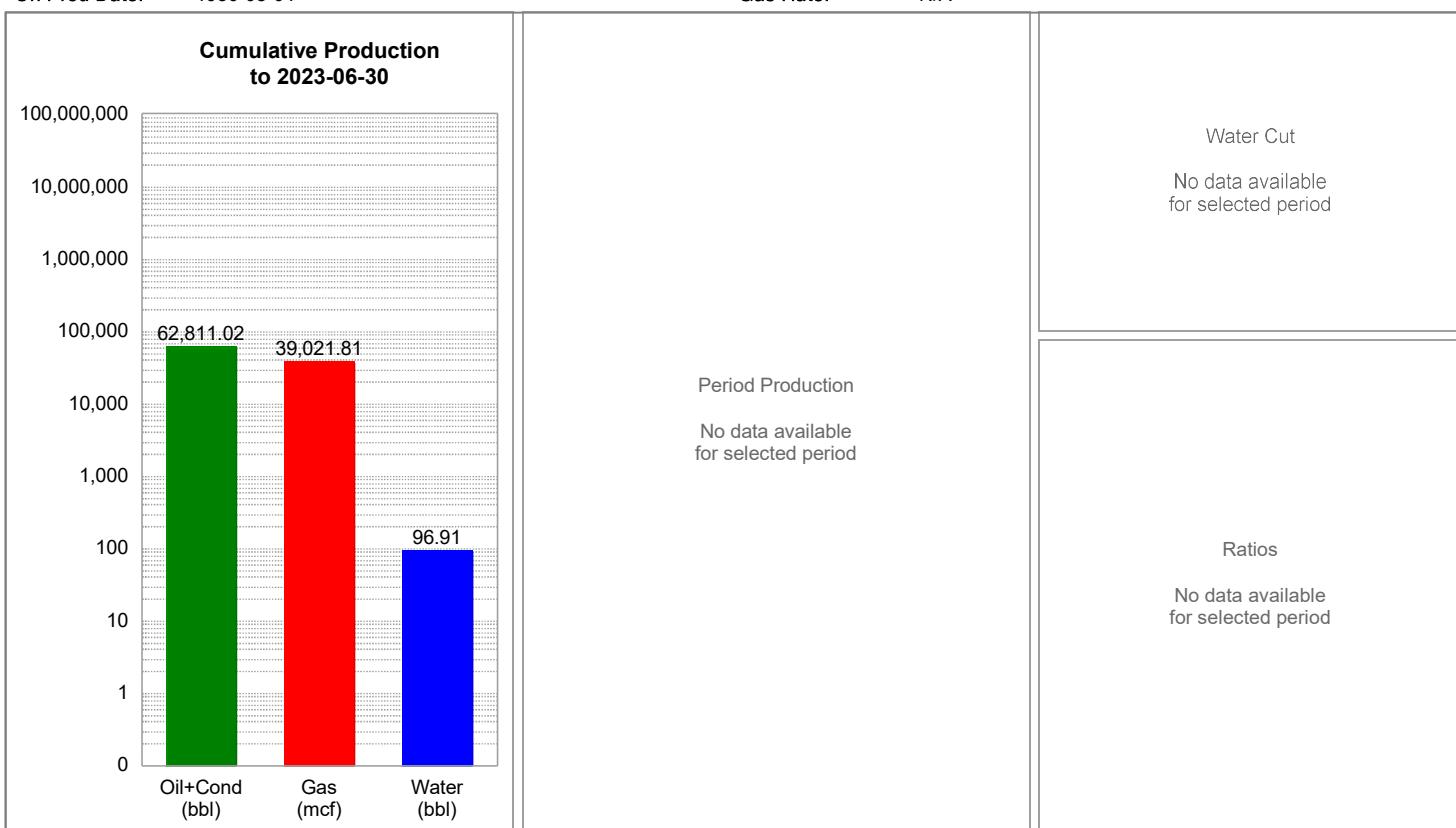
## Production Graph



## Production Summary

UWI: 00/06-29-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-03-04

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-28-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142804707W500
Mode:	Suspended	Bottom Hole Location:	100142804707W500
Status:	SUSPENDED WATER INJECTOR	Surface Hole Coord:	S660.1 E1985.9 ft
License		Bottom Hole Coord:	S660.1 E1985.9 ft
Well Name:	ROC PEMBINA 14-28-47-7	Surface Hole Latitude:	53.088711
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.966588
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.088711
Original Licensee:	CHAMELO ENERGY INC.	Bottom Hole Longitude:	-114.966588
License Number:	0010530	Dates	
Province/State:	Alberta	License Date:	1955-11-23
Confidential:	Non-Confidential	Spud Date:	1955-12-19
Lahee:	DEVELOPMENT	Final Drill Date:	1956-01-03
Rig Type:	Vertical	Rig Release Date:	1956-01-03
Well Type:	Vertical	Completion Date:	1956-01-15
License Type:		Days Drilled:	15
Well Event Type:	Parent	On Production Date:	1956-01-15
Purpose:		On Injection Date:	1958-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1996-06-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2762.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2752.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5009.8 ft
Drilling Rig Number:		Total True Vertical Depth:	5009.8 ft
Play		Total Depth:	5009.8 ft
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	1955-11-23	00720000	LICENSED
2	1955-12-19	00730000	SPUDDED
3	1956-01-03	00740000	FINISHED DRILLING
4	1956-01-03	00070000	DRILLED AND CASED
5	1956-01-15	01100000	FLOWING OIL
6	1957-06-12	01110000	PUMPING OIL
7	1958-12-01	06000300	WATER INJECTOR
8	1996-06-01	06010300	SUSPENDED WATER INJECTOR

## System Tops (KB Elevation: 2762.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	817.9	817.9	1944.2	1937.0	
BELLYRV	2754.9	2754.9	7.2	1108.9	
LEAPRK	3863.8	3863.8	-1101.7	429.1	
COLRAD	4293.0	4293.0	-1530.8	521.0	
CARD	4814.0	4814.0	-2051.8	74.1	
CARDSD	4888.1	4888.1	-2126.0	69.9	
BLACKSTN	4958.0	4958.0	-2195.9		

Total TVD:

5009.8 ft

Total Depth:

5009.8 ft

Projected Formation:

BLACKSTONE

Projected Total Depth:

## User Tops (KB Elevation: 2762.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4889.1 ft - 4917.0 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX OIL TO SURFACE: 39.7M3/D (1401.985CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1		TREATMENT	4845.8	4872.0	0	BRIDGE PLUG CAPPED W/CEMENT	
2	1956-01-07	BULLET	4889.1	4917.0	13		
		PERFORATION					
3	1956-01-10	TREATMENT	4889.1	4917.0	0	FRACTURED	
4	1958-12-15	TREATMENT	4889.1	4917.0	0	FRACTURED	
5	2011-06-02	TREATMENT	4845.8	4872.0	0	BRIDGE PLUG CAPPED W/CEMENT	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type (in)
1	Surface		616.1		616.1	10.748		
2	Production		5004.9	BLACKSTN	5004.9	5.500		

#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)
1	Surface			
2	Production			

## Casing Cements - No data

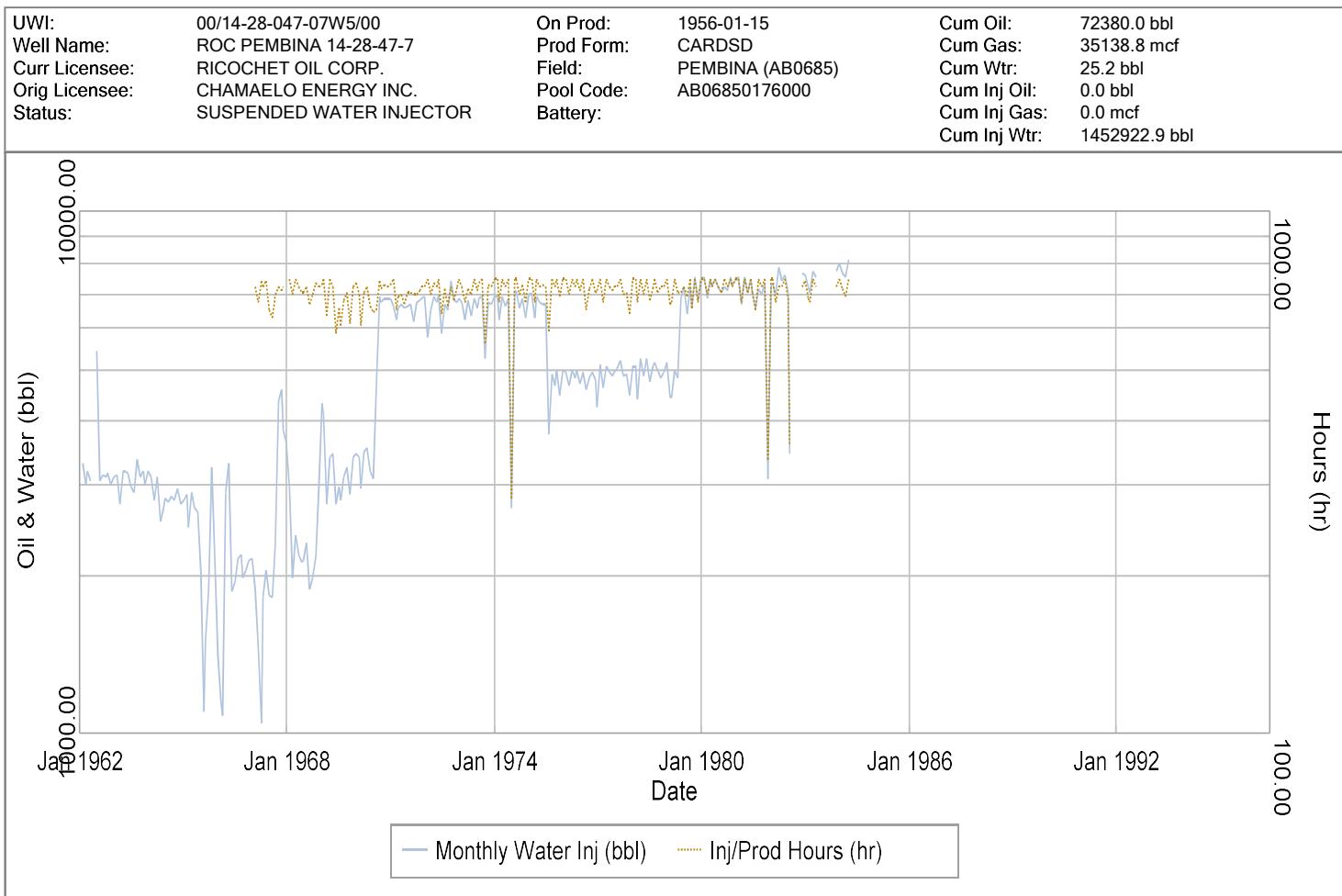
## Logs Run

#	Method Description
1	ELECTRIC LOG
2	MICRO LOG
3	COMPENSATED NEUTRON LOG
4	RA UNSPECIFIED

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

On Prod Date:	1956-01-15	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

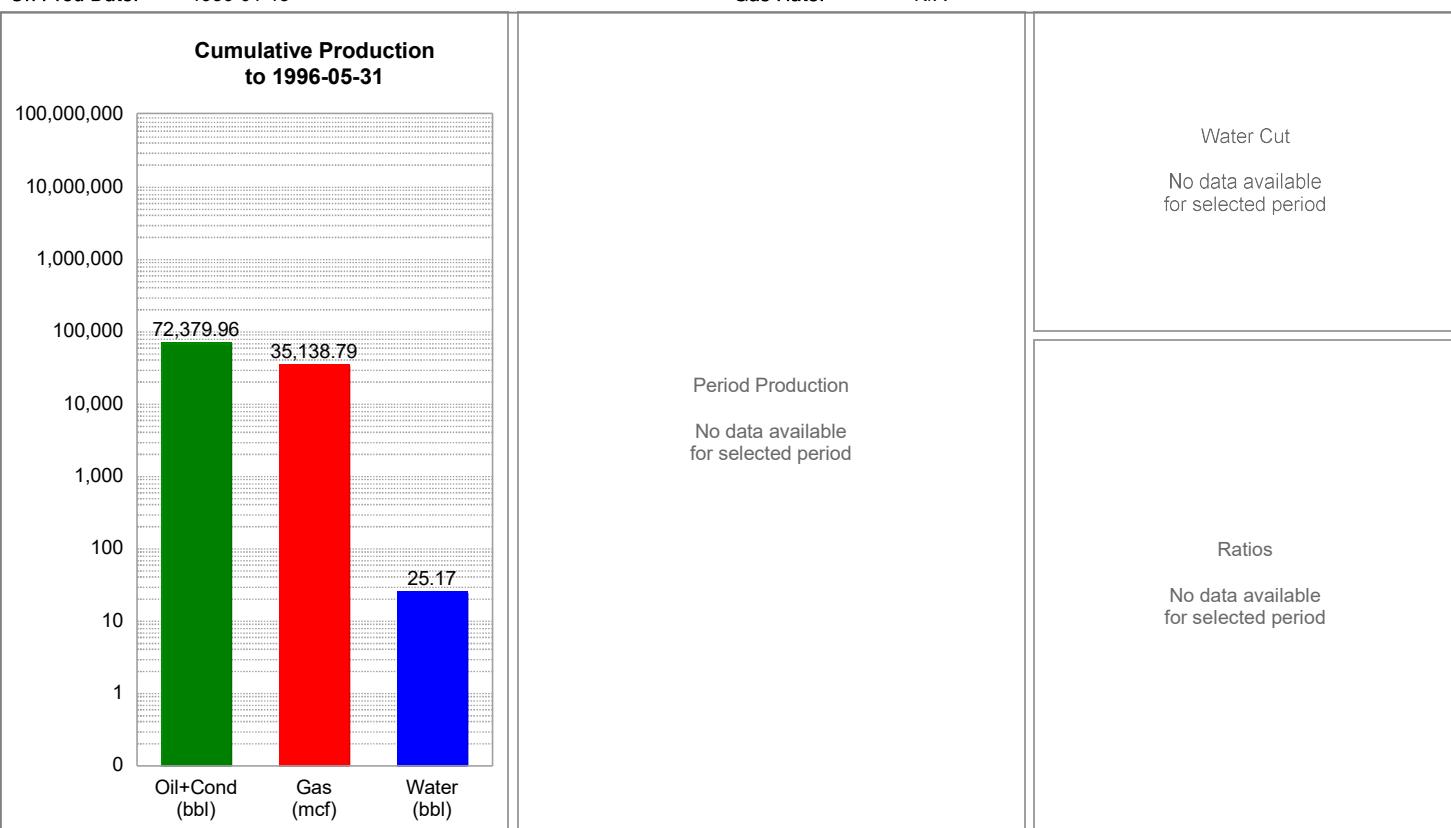
## Production Graph



## Production Summary

UWI: 00/14-28-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-01-15

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-33-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100083304707W500
Mode:	Injection	Bottom Hole Location:	100083304707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ROC PEMBINA 8-33-47-7	Surface Hole Latitude:	53.095941
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.954564
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.095941
Original Licensee:	ARC RESOURCES LTD.	Bottom Hole Longitude:	-114.954564
License Number:	0009467	Dates	
Province/State:	Alberta	License Date:	1955-05-17
Confidential:	Non-Confidential	Spud Date:	1955-07-13
Lahee:	DEVELOPMENT	Final Drill Date:	1955-07-23
Rig Type:	Vertical	Rig Release Date:	1955-07-23
Well Type:	Vertical	Completion Date:	1955-08-13
License Type:		Days Drilled:	10
Well Event Type:	Parent	On Production Date:	1955-08-13
Purpose:		On Injection Date:	1958-03-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-03-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2766.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2753.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5021.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5021.0 ft
Play		Total Depth:	5021.0 ft
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	1955-05-17	00720000	LICENSED
2	1955-07-13	00730000	SPUDDED
3	1955-07-23	00740000	FINISHED DRILLING
4	1955-07-23	00070000	DRILLED AND CASED
5	1955-08-13	01100000	FLOWING OIL
6	1958-03-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2766.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	850.1	850.1	1916.0	1891.1	
BELLYRV	2741.1	2741.1	24.9	1109.9	
LEAPRK	3851.1	3851.1	-1085.0	426.8	
COLRAD	4277.9	4277.9	-1511.8	517.1	
CARD	4794.9	4794.9	-2028.9	73.2	
CARDSD	4868.1	4868.1	-2102.0	65.0	
BLACKSTN	4933.1	4933.1	-2167.0		

Total TVD: 5021.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5021.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2766.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4872.0 ft - 4892.1 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX OIL TO SURFACE: 87.4M3/D (3086.485CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-08-10	JET PERFORATION	4872.0	4892.1	13		
2	1955-08-11	TREATMENT	4872.0	4892.1	0	FRACTURED	
3	1959-05-30	TREATMENT	4872.0	4892.1	0	ACID SQUEEZE	
4	1959-10-26	TREATMENT	4872.0	4892.1	0	CONDENSATE SQUEEZE	
5	1959-10-26	TREATMENT	4872.0	4892.1	0	ACID SQUEEZE	
6	1960-07-19	TREATMENT	4872.0	4892.1	0	FRACTURED	
7	1962-02-23	TREATMENT	4872.0	4892.1	0	ACID WASH	
8	2004-05-10	TREATMENT	4827.8	4827.8	0	PACKER-BRIDGE PLUG	
9	2019-10-12	TREATMENT	4872.0	4891.7	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		618.1		618.1	10.748		
2	Production		5014.1	BLACKSTN	5014.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

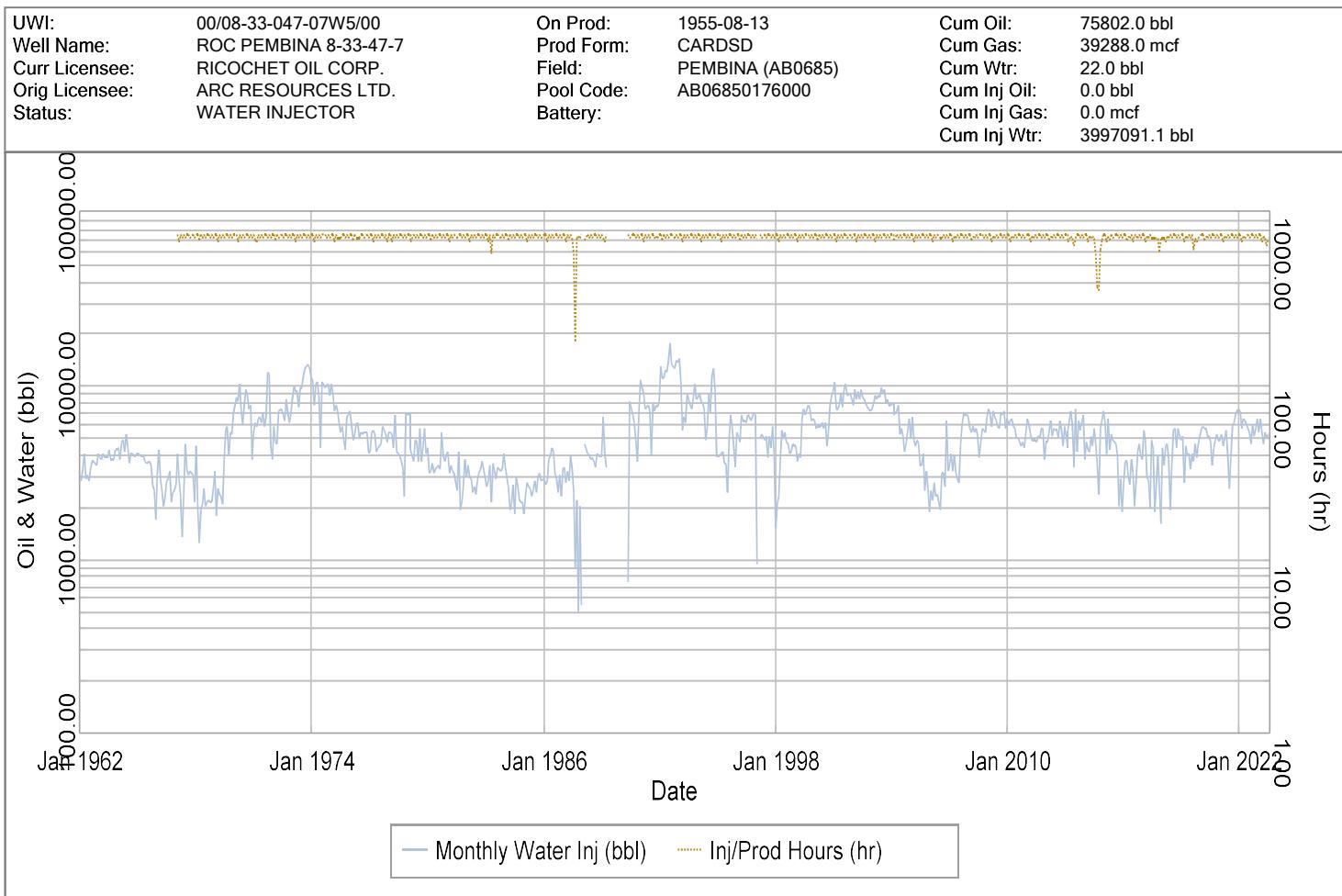
## Logs Run

# Method Description  
1 ELECTRIC LOG  
2 MICRO LOG

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

On Prod Date:	1955-08-13	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

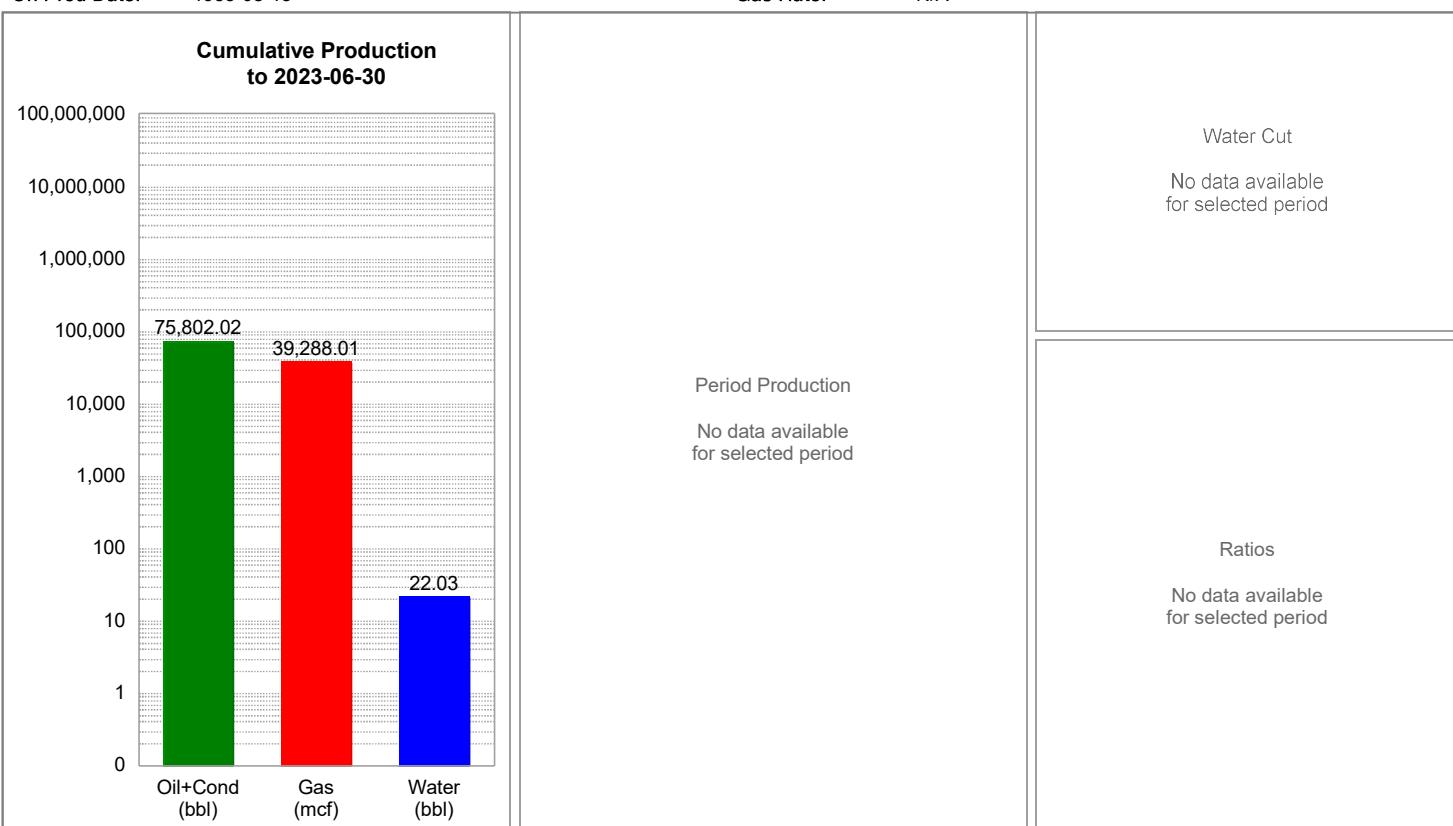
## Production Graph



## Production Summary

UWI: 00/08-33-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-08-13

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-29-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100082904707W500
Mode:	Injection	Bottom Hole Location:	100082904707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1912.1 W660.1 ft
License		Bottom Hole Coord:	N1912.1 W660.1 ft
Well Name:	ROC PEMBINA 8-29-47-7	Surface Hole Latitude:	53.081302
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.978935
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.081302
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.978935
License Number:	0011412	Dates	
Province/State:	Alberta	License Date:	1956-05-11
Confidential:	Non-Confidential	Spud Date:	1956-05-16
Lahee:	DEVELOPMENT	Final Drill Date:	1956-05-27
Rig Type:	Vertical	Rig Release Date:	1956-05-27
Well Type:	Vertical	Completion Date:	1956-06-05
License Type:		Days Drilled:	11
Well Event Type:	Parent	On Production Date:	1956-06-05
Purpose:		On Injection Date:	1958-10-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-10-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2761.2 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2749.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5040.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5040.0 ft
Play		Total Depth:	5040.0 ft
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	1956-05-11	00720000	LICENSED
2	1956-05-16	00730000	SPUDDED
3	1956-05-27	00740000	FINISHED DRILLING
4	1956-05-27	00070000	DRILLED AND CASED
5	1956-06-05	01100000	FLOWING OIL
6	1957-03-13	01110000	PUMPING OIL
7	1958-10-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2761.2 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	857.0	857.0	1904.2	1907.2	
BELLYRV	2764.1	2764.1	-3.0	1107.9	
LEAPRK	3872.0	3872.0	-1110.9	427.8	
COLRAD	4299.9	4299.9	-1538.7	528.2	
CARD	4828.1	4828.1	-2066.9	67.9	
CARDSD	4896.0	4896.0	-2134.8	66.9	
BLACKSTN	4962.9	4962.9	-2201.8		

Total TVD: 5040.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5040.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2761.2 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4924.9 ft - 4941.9 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 52700M3/D (1.861MMCF/D) MAX OIL TO SURFACE: 33.7M3/D (1190.098CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-05-30	JET PERFORATION	4924.9	4933.1	13		
2	1956-05-30	JET PERFORATION	4936.0	4941.9	13		
3	1956-05-30	TREATMENT	4924.9	4941.9	0	ACID SQUEEZE	
4	1956-05-30	TREATMENT	4924.9	4941.9	0	FRACTURED	
5	1958-10-04	JET PERFORATION	4892.1	4901.9	13		
6	1958-10-04	JET PERFORATION	4905.8	4918.0	13		
7	1958-10-04	TREATMENT	4892.1	4918.0	0	ACID SQUEEZE	
8	1958-10-04	TREATMENT	4892.1	4918.0	0	FRACTURED	
9	2004-09-12	TREATMENT	4872.0	4872.0	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		623.0		623.0	9.626		
2	Production		5032.2	BLACKSTN	5032.2	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

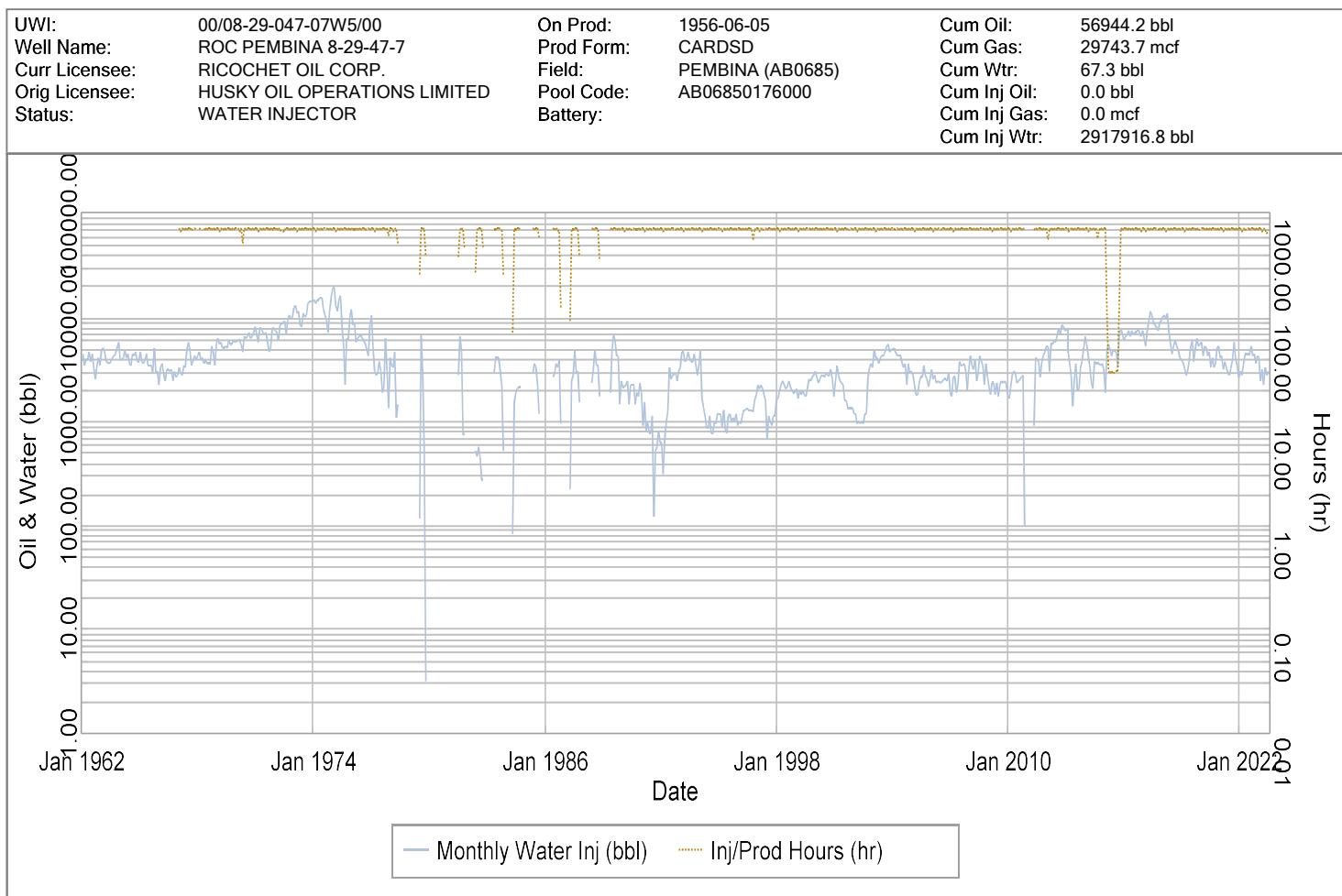
## Logs Run

- # Method Description
- 1 ELECTRIC LOG
- 2 MICRO LOG
- 3 COMPENSATED NEUTRON LOG
- 4 RA UNSPECIFIED

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

On Prod Date:	1956-06-05	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

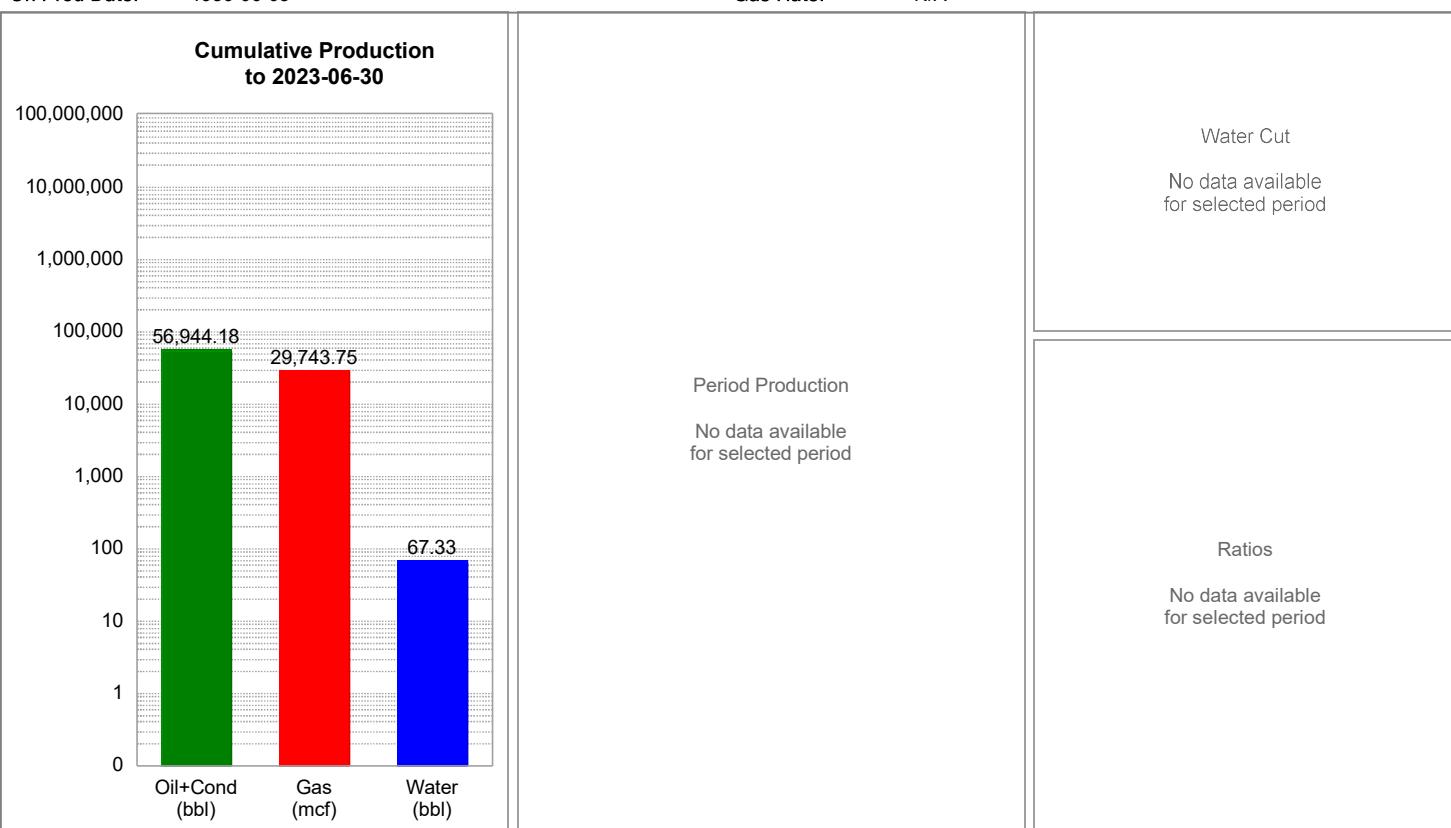
## Production Graph



## Production Summary

UWI: 00/08-29-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-06-05

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-27-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100082704607W500
Mode:	Injection	Bottom Hole Location:	100082704607W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W657.2 ft
License		Bottom Hole Coord:	N1980.0 W657.2 ft
Well Name:	NORCEN ET AL SBL PEM IN 8-27-46-7	Surface Hole Latitude:	52.994981
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.921949
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.994981
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.921949
License Number:	0033160	Dates	
Province/State:	Alberta	License Date:	1967-12-01
Confidential:	Non-Confidential	Spud Date:	1967-12-29
Lahee:	DEVELOPMENT	Final Drill Date:	1968-01-05
Rig Type:	Vertical	Rig Release Date:	1968-01-06
Well Type:	Vertical	Completion Date:	1968-01-29
License Type:		Days Drilled:	8
Well Event Type:	Parent	On Production Date:	1968-01-29
Purpose:		On Injection Date:	1968-05-01
Well Objective:		Last Prod Date:	1968-05-25
Surface Abandon Type:		Current Status Date:	2008-09-03
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2932.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5214.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5214.9 ft
Play		Total Depth:	5214.9 ft
Play:	CARDIUM	Plugback Depth:	5176.8 ft
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	1967-12-01	00720000	LICENSED
2	1967-12-29	00730000	SPUDDED
3	1968-01-05	00740000	FINISHED DRILLING
4	1968-01-06	00750000	RIG RELEASED
5	1968-01-05	00070000	DRILLED AND CASED
6	1968-01-29	01100000	FLOWING OIL
7	1968-05-24	06000300	WATER INJECTOR
8	2007-11-26	06010300	SUSPENDED WATER INJECTOR
9	2008-09-03	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2932.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1032.2	1032.2	1899.9	1865.8	
BELLYRV	2898.0	2898.0	34.1	1158.1	
LEAPRK	4056.1	4056.1	-1124.0	434.1	
COLRAD	4490.2	4490.2	-1558.1	549.9	
CARD	5040.0	5040.0	-2107.9	80.1	
CARDSD	5120.1	5120.1	-2188.0		

Total TVD: 5214.9 ft Projected Formation: CARDIUM SAND  
 Total Depth: 5214.9 ft Projected Total Depth:

## User Tops (KB Elevation: 2932.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5142.1 ft - 5149.9 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 348000M3/D (12.289MMCF/D) MAX OIL TO SURFACE: 10.8M3/D (381.396CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5125.0	5164.0	39.0

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1968-01-15	TREATMENT	5142.1	5149.9	0	ACID WASH	
2	1968-01-16	JET PERFORATION	5142.1	5149.9	7		
3	1968-01-17	TREATMENT	5142.1	5149.9	0	FRACTURED	
4	1996-03-13	TREATMENT	5066.3	5066.3	0	PACKER-BRIDGE PLUG	
5	2008-10-19	TREATMENT	5142.1	5149.9	0	ACID SQUEEZE	
6	1996-03-13	TREATMENT	5066.3	5066.3	0	PACKER-BRIDGE PLUG	
7	2013-10-28	TREATMENT	5142.1	5149.9	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		484.9		484.9	8.626		
2	Production		5212.9	CARDSD	5212.9	4.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

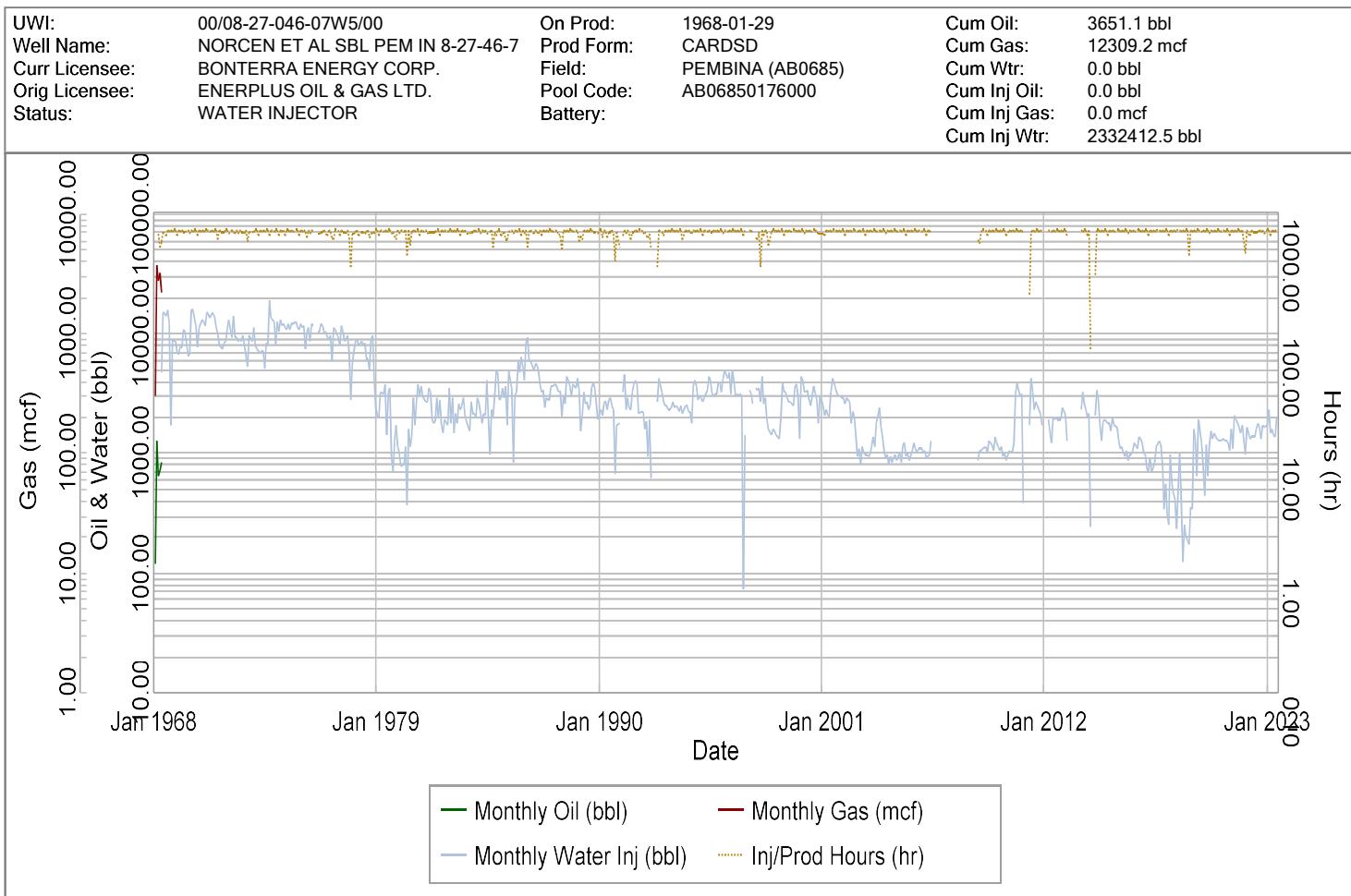
## Logs Run

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

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

On Prod Date:	1968-01-29	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

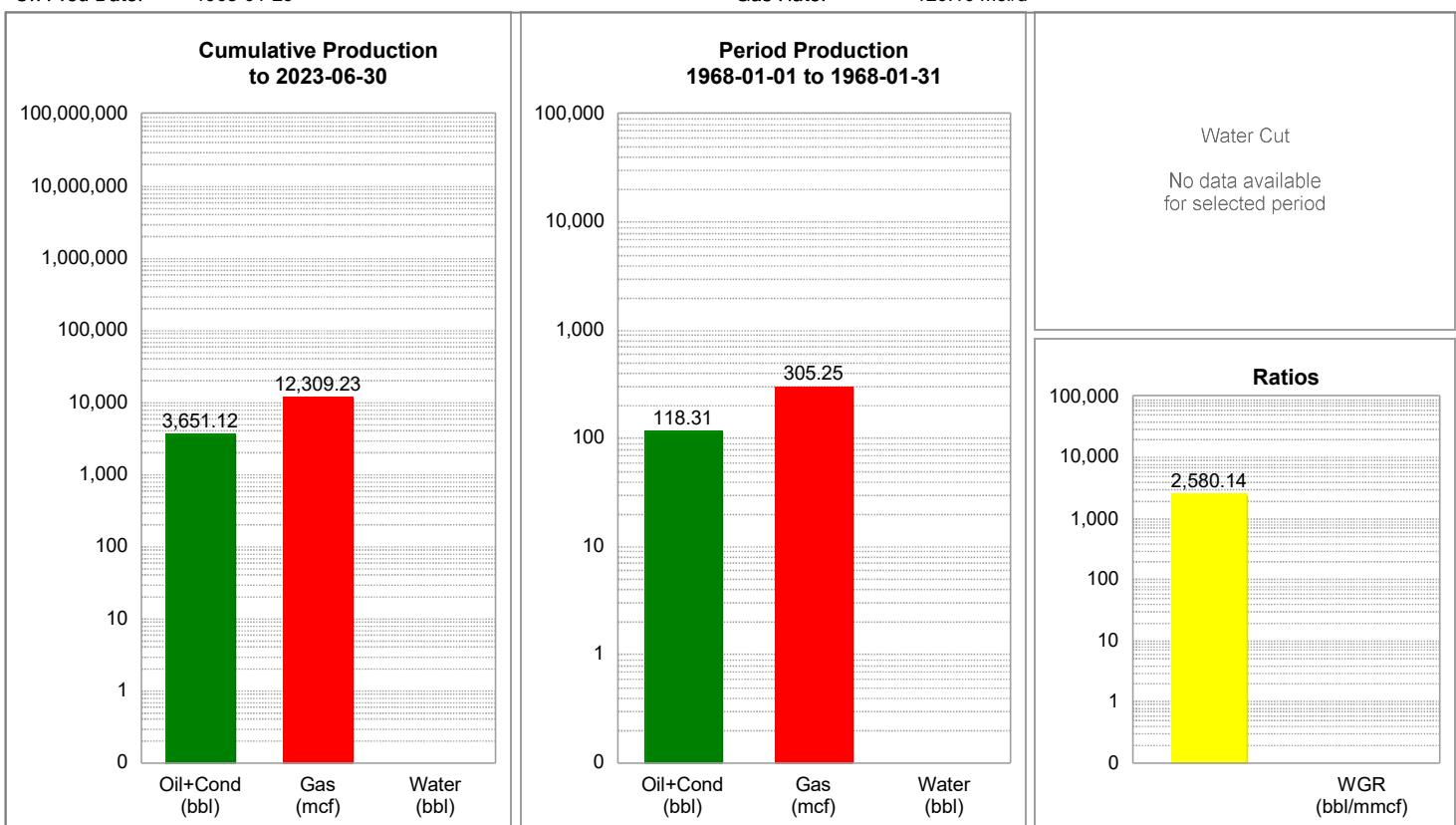
## Production Graph



## Production Summary

UWI: 00/08-27-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1968-01-29

Hours: 61  
 Oil+Cond Rate: 46.55 bbl/d  
 Gas Rate: 120.10 mcf/d



## Header

UWI:	00/08-28-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100082804707W500
Mode:	Injection	Bottom Hole Location:	100082804707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ROC PEMBINA 8-28-47-7	Surface Hole Latitude:	53.081490
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.954602
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.081490
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.954602
License Number:	0010491	Dates	
Province/State:	Alberta	License Date:	1955-11-16
Confidential:	Non-Confidential	Spud Date:	1955-12-28
Lahee:	DEVELOPMENT	Final Drill Date:	1956-01-14
Rig Type:	Vertical	Rig Release Date:	1956-01-14
Well Type:	Vertical	Completion Date:	1956-01-25
License Type:		Days Drilled:	17
Well Event Type:	Parent	On Production Date:	1956-01-25
Purpose:		On Injection Date:	1958-10-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-10-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2850.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2838.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5100.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5100.1 ft
Play		Total Depth:	5100.1 ft
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	1955-11-16	00720000	LICENSED
2	1955-12-28	00730000	SPUDDED
3	1956-01-14	00740000	FINISHED DRILLING
4	1956-01-14	00070000	DRILLED AND CASED
5	1956-01-25	01100000	FLOWING OIL
6	1957-03-04	01110000	PUMPING OIL
7	1958-10-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2850.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	933.1	933.1	1917.0	1912.1	
BELLYRV	2845.1	2845.1	4.9	1114.8	
LEAPRK	3960.0	3960.0	-1109.9	420.9	
COLRAD	4380.9	4380.9	-1530.8	518.0	
CARD	4899.0	4899.0	-2048.9	71.2	
CARDSD	4970.1	4970.1	-2120.1	78.7	
BLACKSTN	5048.9	5048.9	-2198.8		

Total TVD: 5100.1 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5100.1 ft      Projected Total Depth:

## User Tops (KB Elevation: 2850.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4972.1 ft - 4999.0 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX OIL TO SURFACE: 99.8M3/D (3524.385CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	4963.9	5014.1	49.9
2		Diamond, conventional	5014.1	5064.0	49.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-01-18	JET PERFORATION	4972.1	4999.0	13		
2	1956-01-18	TREATMENT	4972.1	4999.0	0	ACID SQUEEZE	
3	1956-01-18	TREATMENT	4972.1	4999.0	0	FRACTURED	
4	2005-10-22	TREATMENT	4940.9	4940.9	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		607.9		607.9	10.748		
2	Production		5100.1	BLACKSTN	5100.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Weight (lb/ft)	Linear			
1	Surface							
2	Production							

## Casing Cements - No data

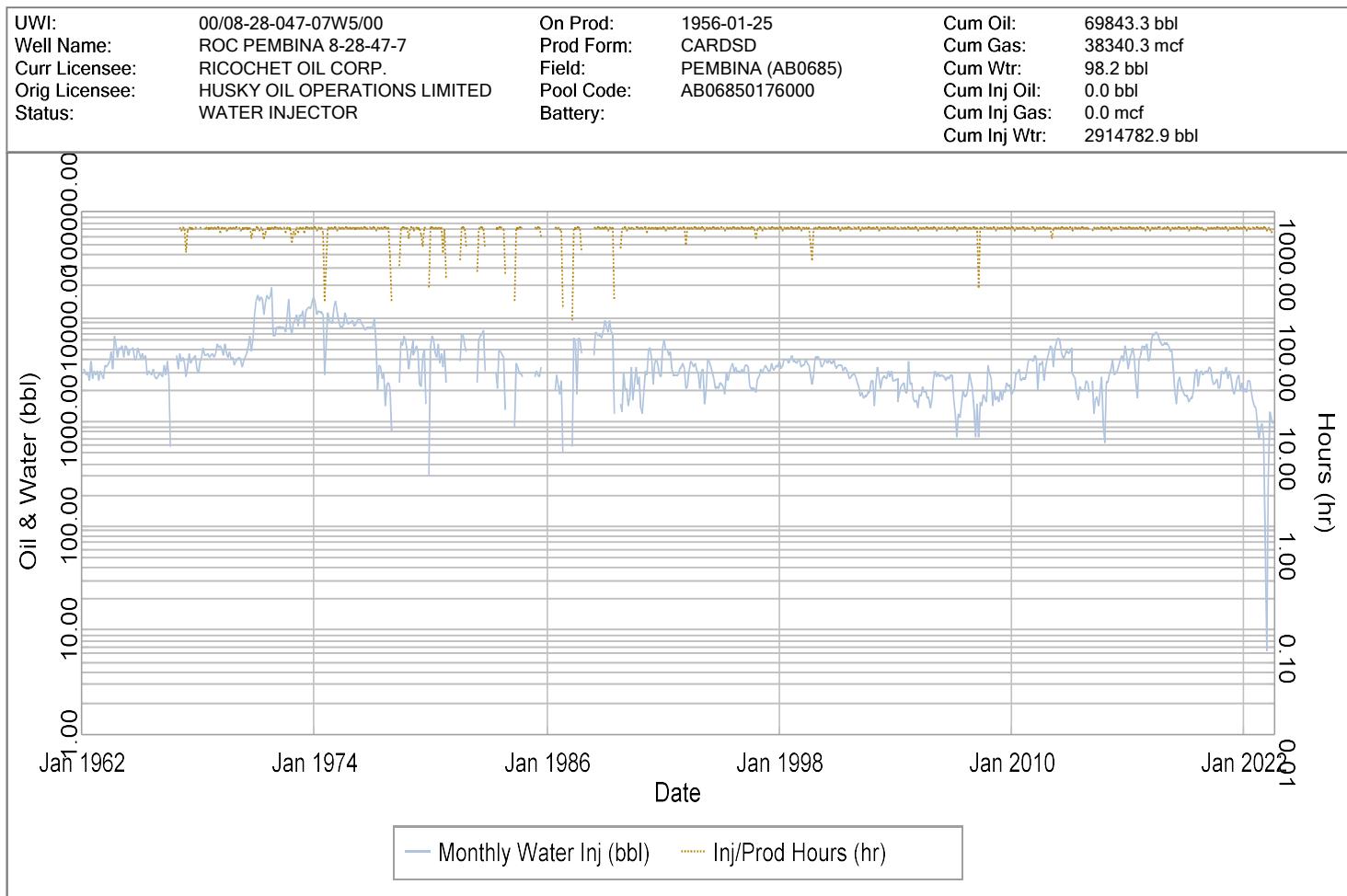
## Logs Run

- # Method Description
- 1 ELECTRIC LOG
- 2 MICRO LOG
- 3 COMPENSATED NEUTRON LOG
- 4 RA UNSPECIFIED

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

On Prod Date:	1956-01-25	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

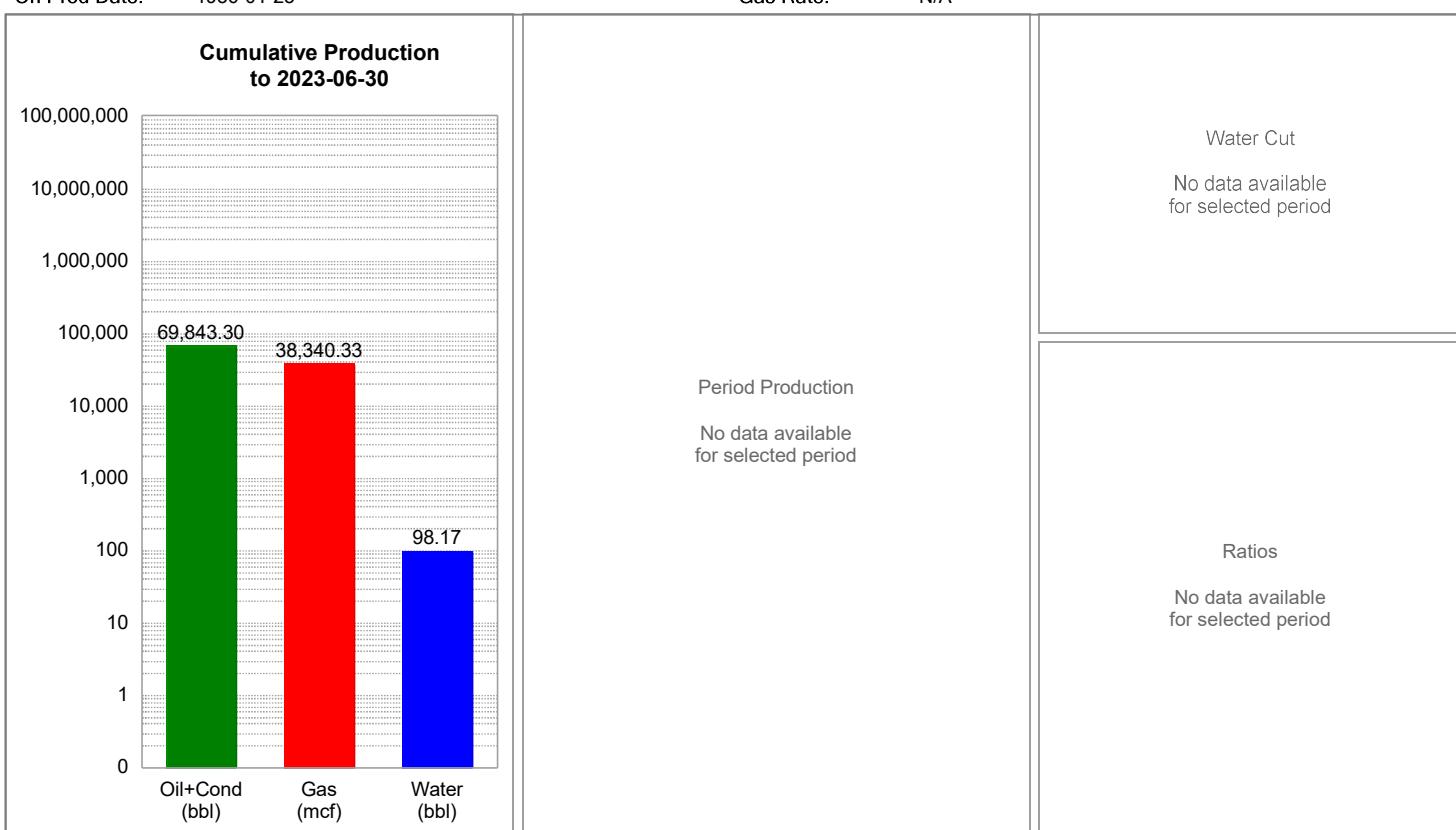
## Production Graph



## Production Summary

UWI: 00/08-28-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-01-25

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-27-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100062704707W500
Mode:	Suspended	Bottom Hole Location:	100062704707W500
Status:	SUSPENDED WATER INJECTOR	Surface Hole Coord:	N1980.0 E2000.0 ft
License		Bottom Hole Coord:	N1980.0 E2000.0 ft
Well Name:	ROC PEMBINA 6-27-47-7	Surface Hole Latitude:	53.081487
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.942203
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.081487
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.942203
License Number:	0011053	Dates	
Province/State:	Alberta	License Date:	1956-02-22
Confidential:	Non-Confidential	Spud Date:	1956-08-07
Lahee:	DEVELOPMENT	Final Drill Date:	1956-08-20
Rig Type:	Vertical	Rig Release Date:	1956-08-20
Well Type:	Vertical	Completion Date:	1956-09-12
License Type:		Days Drilled:	13
Well Event Type:	Parent	On Production Date:	1956-09-12
Purpose:		On Injection Date:	1958-10-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	2002-07-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2897.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2886.2 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5147.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5147.0 ft
Play		Total Depth:	5147.0 ft
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	1956-02-22	00720000	LICENSED
2	1956-08-07	00730000	SPUDDED
3	1956-08-20	00740000	FINISHED DRILLING
4	1956-08-20	00070000	DRILLED AND CASED
5	1956-09-12	01100000	FLOWING OIL
6	1957-02-26	01110000	PUMPING OIL
7	1958-10-01	06000300	WATER INJECTOR
8	2002-07-01	06010300	SUSPENDED WATER INJECTOR

## System Tops (KB Elevation: 2897.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1016.1	1016.1	1880.9	1857.0	
BELLYRV	2873.0	2873.0	24.0	1124.0	
LEAPRK	3997.0	3997.0	-1100.1	422.9	
COLRAD	4419.9	4419.9	-1523.0	515.1	
CARD	4935.0	4935.0	-2038.1	78.1	
CARDSD	5013.1	5013.1	-2116.1	61.0	
BLACKSTN	5074.1	5074.1	-2177.2		

Total TVD: 5147.0 ft  
 Total Depth: 5147.0 ft

Projected Formation: BLACKSTONE  
 Projected Total Depth:

## User Tops (KB Elevation: 2897.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5018.0 ft - 5058.1 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 31500M3/D (1.112MMCF/D) MAX OIL TO SURFACE: 47.2M3/D (1666.843CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5006.9	5014.1	6.9
2		Diamond, conventional	5015.1	5060.0	44.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-08-31	JET PERFORATION	5040.0	5046.9	13		
2	1956-08-31	JET PERFORATION	5046.9	5058.1	13		
3	1956-08-31	TREATMENT	5040.0	5058.1	0	ACID SQUEEZE	
4	1956-08-31	TREATMENT	5040.0	5058.1	0	FRACTURED	
5	1956-09-01	JET PERFORATION	5018.0	5021.0	13		
6	1956-09-01	JET PERFORATION	5024.9	5034.1	13		
7	1956-09-01	TREATMENT	5018.0	5034.1	0	ACID SQUEEZE	
8	1956-09-01	TREATMENT	5018.0	5034.1	0	FRACTURED	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		617.1		617.1	9.626		
2	Production		5147.0	BLACKSTN	5147.0	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

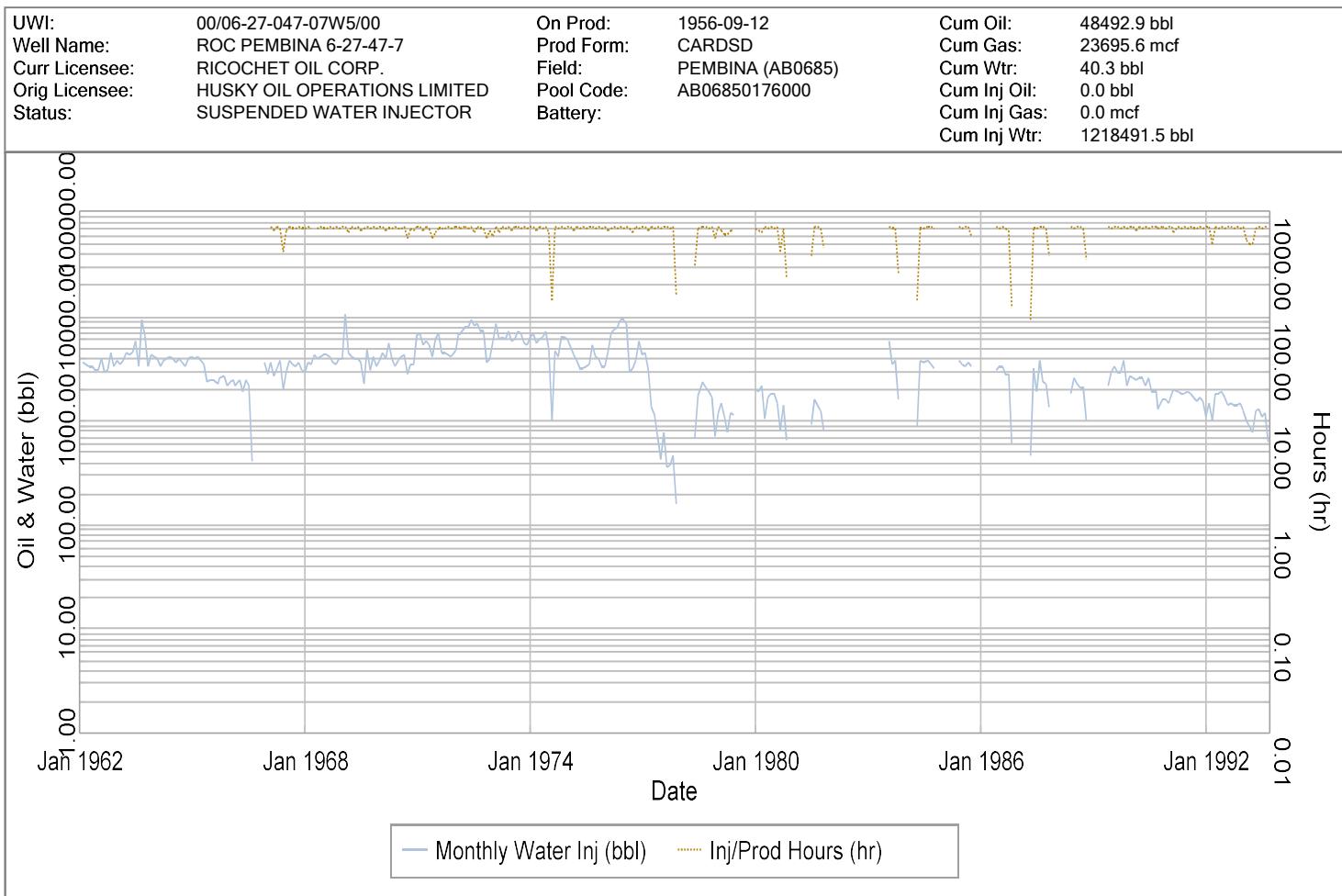
## Logs Run

- # Method Description
- 1 ELECTRIC LOG
- 2 MICRO LOG
- 3 COMPENSATED NEUTRON LOG
- 4 RA UNSPECIFIED

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

On Prod Date:	1956-09-12	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

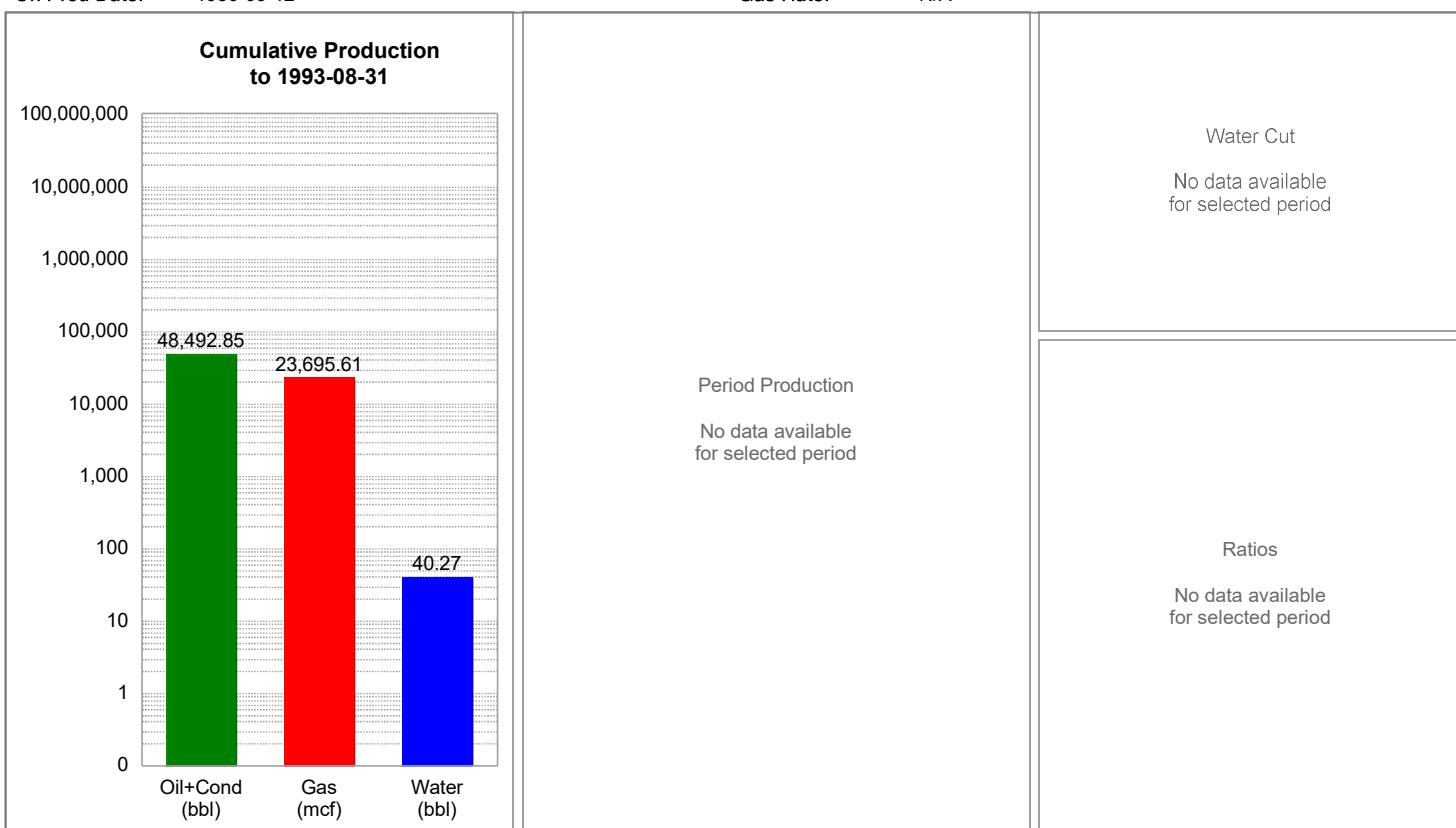
## Production Graph



## Production Summary

UWI: 00/06-27-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-09-12

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-27-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142704707W500
Mode:	Injection	Bottom Hole Location:	100142704707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 E1987.9 ft
License		Bottom Hole Coord:	S660.1 E1987.9 ft
Well Name:	ROC PEMBINA 14-27-47-7	Surface Hole Latitude:	53.088709
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.942245
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.088709
Original Licensee:	ARC RESOURCES LTD.	Bottom Hole Longitude:	-114.942245
License Number:	0009352	Dates	
Province/State:	Alberta	License Date:	1955-03-28
Confidential:	Non-Confidential	Spud Date:	1955-06-05
Lahee:	DEVELOPMENT	Final Drill Date:	1955-06-17
Rig Type:	Vertical	Rig Release Date:	1955-06-17
Well Type:	Vertical	Completion Date:	1955-06-30
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-06-30
Purpose:		On Injection Date:	1958-03-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-03-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2022-02-25
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2863.8 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2856.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5126.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5126.0 ft
Play		Total Depth:	5126.0 ft
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	1955-03-28	00720000	LICENSED
2	1955-06-05	00730000	SPUDDED
3	1955-06-17	00740000	FINISHED DRILLING
4	1955-06-17	00070000	DRILLED AND CASED
5	1955-06-30	01100000	FLOWING OIL
6	1956-03-07	01110000	PUMPING OIL
7	1958-03-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2863.8 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	946.9	946.9	1917.0	1901.2	
BELLYRV	2848.1	2848.1	15.7	1100.1	
LEAPRK	3948.2	3948.2	-1084.3	432.7	
COLRAD	4380.9	4380.9	-1517.1	514.1	
CARD	4895.0	4895.0	-2031.2	75.1	
CARDSD	4970.1	4970.1	-2106.3	63.0	
BLACKSTN	5033.1	5033.1	-2169.3		

Total TVD: 5126.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5126.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2863.8 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4981.0 ft - 4992.1 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX OIL TO SURFACE: 96.5M3/D (3407.847CF/D) WATER: RW: 1.72 OHMM, SG: 1.002, CL: 1780 GAS: SG: .696, CO2: 1.63%

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-06-28	JET PERFORATION	4981.0	4992.1	13		
2	1955-06-28	TREATMENT	4981.0	4992.1	0	ACID SQUEEZE	
3	1955-06-29	TREATMENT	4981.0	4992.1	0	FRACTURED	
4	1959-10-26	TREATMENT	4981.0	4992.1	0	ACID SQUEEZE	
5	1960-07-19	TREATMENT	4981.0	4992.1	0	FRACTURED	
6	1969-02-26	TREATMENT	4981.0	4992.1	0	ACID SQUEEZE	
7	1991-02-22	TREATMENT	4981.0	4992.1	0	ACID SQUEEZE	
8	2019-10-11	TREATMENT	4980.3	4993.4	0	ACID SQUEEZE	
9	2020-11-16	TREATMENT	4965.9	4965.9	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		611.9		611.9	10.748		
2	Production		5125.0	BLACKSTN	5125.0	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

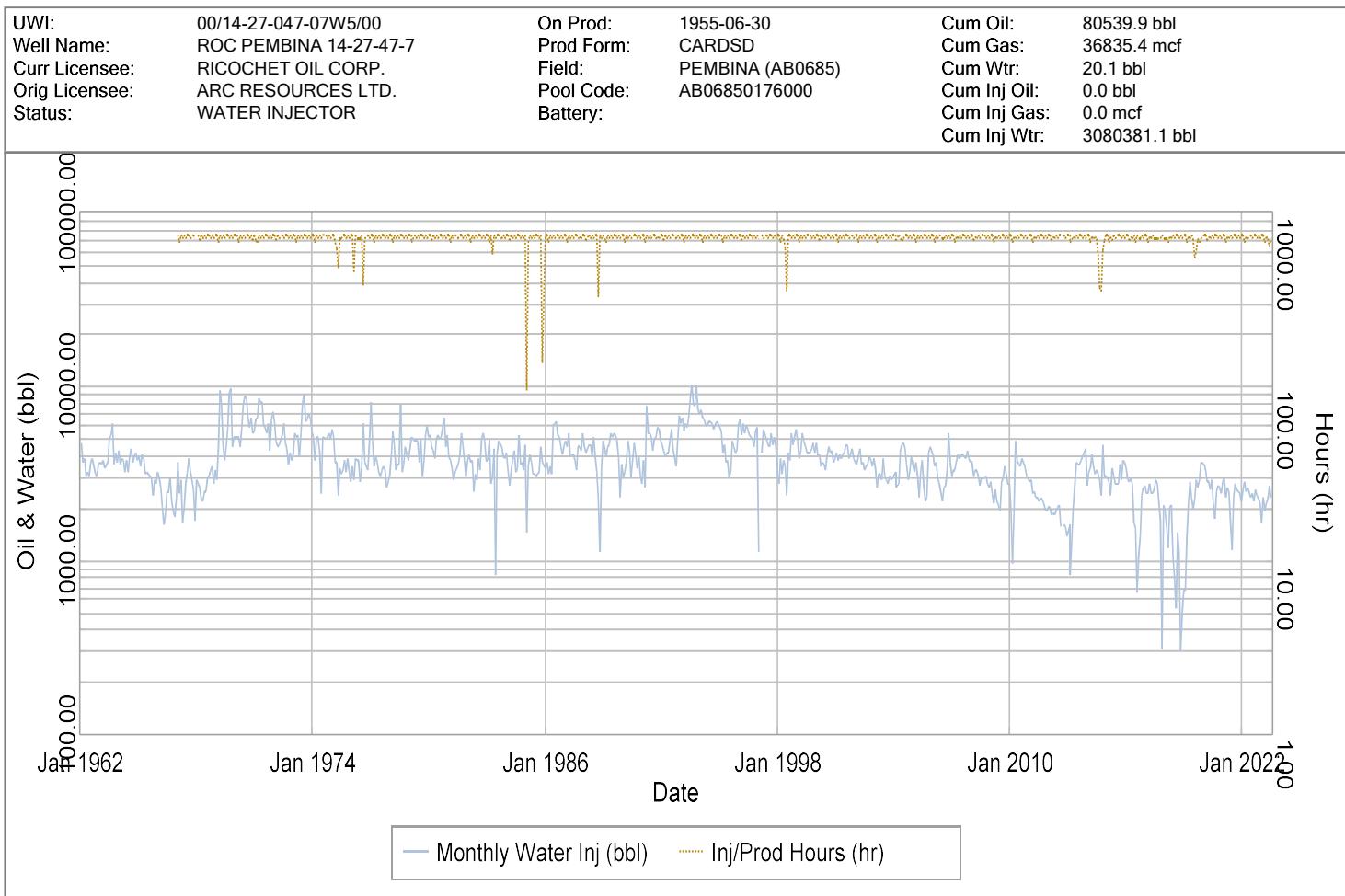
## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	MICRO LOG

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

On Prod Date:	1955-06-30	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		
		Gas/Day:	0.00 mcf/d

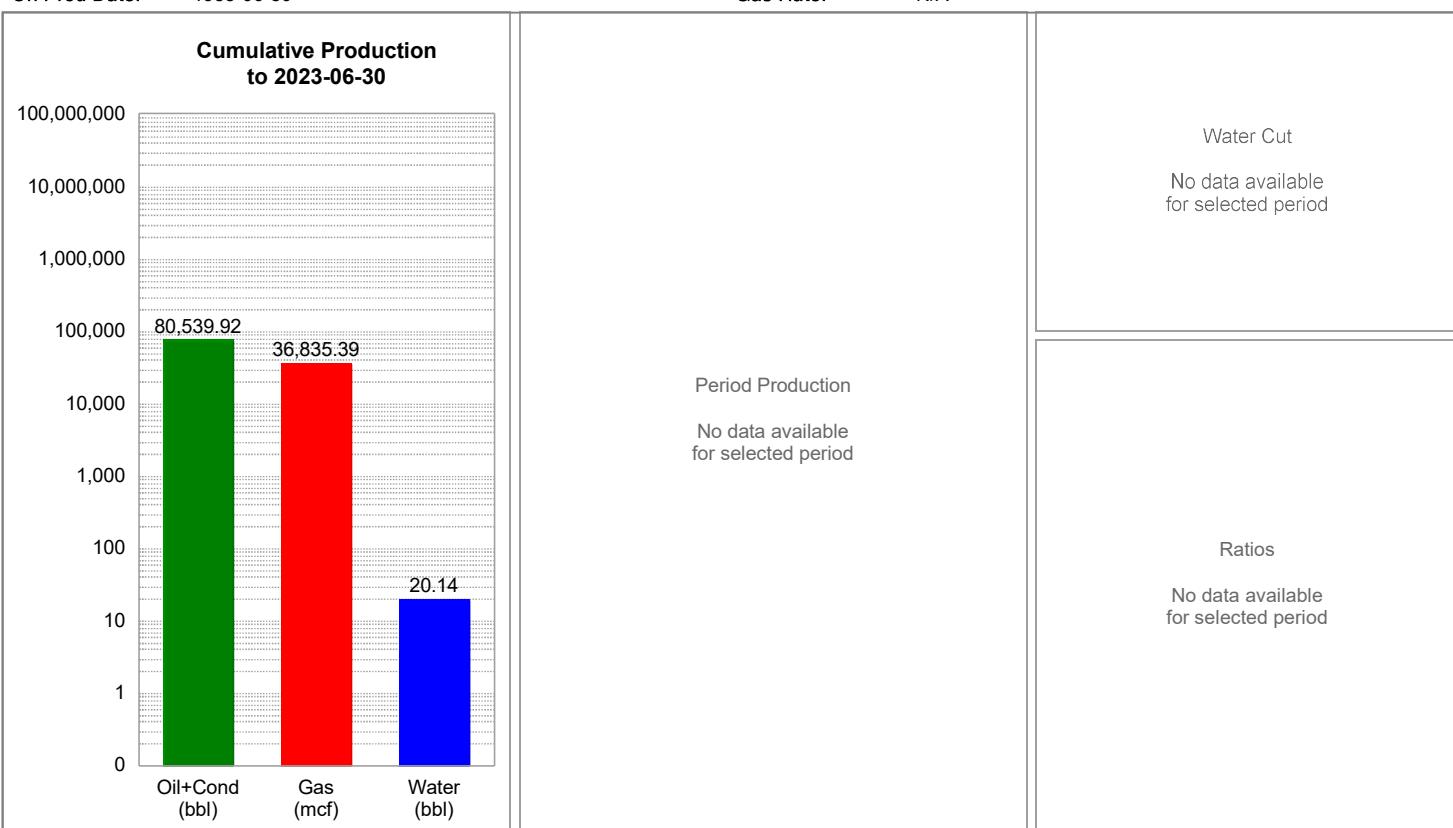
## Production Graph



## Production Summary

UWI: 00/14-27-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-06-30

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-20-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142004707W500
Mode:	Injection	Bottom Hole Location:	100142004707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S665.0 E1964.9 ft
License		Bottom Hole Coord:	S665.0 E1964.9 ft
Well Name:	ROC PEMBINA 14-20-47-7	Surface Hole Latitude:	53.074055
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.991108
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.074055
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.991108
License Number:	0010766	Dates	
Province/State:	Alberta	License Date:	1956-01-09
Confidential:	Non-Confidential	Spud Date:	1956-02-05
Lahee:	DEVELOPMENT	Final Drill Date:	1956-02-18
Rig Type:	Vertical	Rig Release Date:	1956-02-18
Well Type:	Vertical	Completion Date:	1956-03-08
License Type:		Days Drilled:	13
Well Event Type:	Parent	On Production Date:	1956-03-08
Purpose:		On Injection Date:	1958-10-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-10-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2554.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2542.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	4879.9 ft
Drilling Rig Number:		Total True Vertical Depth:	4879.9 ft
Play		Total Depth:	4879.9 ft
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	1956-01-09	00720000	LICENSED
2	1956-02-05	00730000	SPUDDED
3	1956-02-18	00740000	FINISHED DRILLING
4	1956-02-18	00070000	DRILLED AND CASED
5	1956-03-08	01100000	FLOWING OIL
6	1957-03-01	01110000	PUMPING OIL
7	1958-10-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2554.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	685.0	685.0	1869.1	1891.1	
BELLYRV	2576.1	2576.1	-22.0	1104.0	
LEAPRK	3680.1	3680.1	-1126.0	423.9	
COLRAD	4104.0	4104.0	-1549.9	541.0	
CARD	4645.0	4645.0	-2090.9	75.1	
CARDSD	4720.1	4720.1	-2166.0	69.9	
BLACKSTN	4790.0	4790.0	-2235.9		

Total TVD: 4879.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 4879.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2554.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 4722.1 ft - 4756.9 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 103300M3/D (3.648MMCF/D) MAX OIL TO SURFACE: 47.9M3/D (1691.563CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-02-26	JET PERFORATION	4722.1	4727.0	33		
2	1956-02-26	JET PERFORATION	4730.0	4756.9	33		
3	1956-02-27	TREATMENT	4722.1	4756.9	0	ACID SQUEEZE	
4	1956-02-27	TREATMENT	4722.1	4756.9	0	FRACTURED	
5	1956-03-19	TREATMENT	4722.1	4756.9	0	ACID WASH	
6	2014-08-18	TREATMENT	4702.1	4702.1	0	PACKER-BRIDGE PLUG	
7	2014-08-18	TREATMENT	4722.1	4756.6	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		616.1		616.1	10.748		
2	Production		4879.9	BLACKSTN	4879.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

# Method Description

1 GAMMA RAY

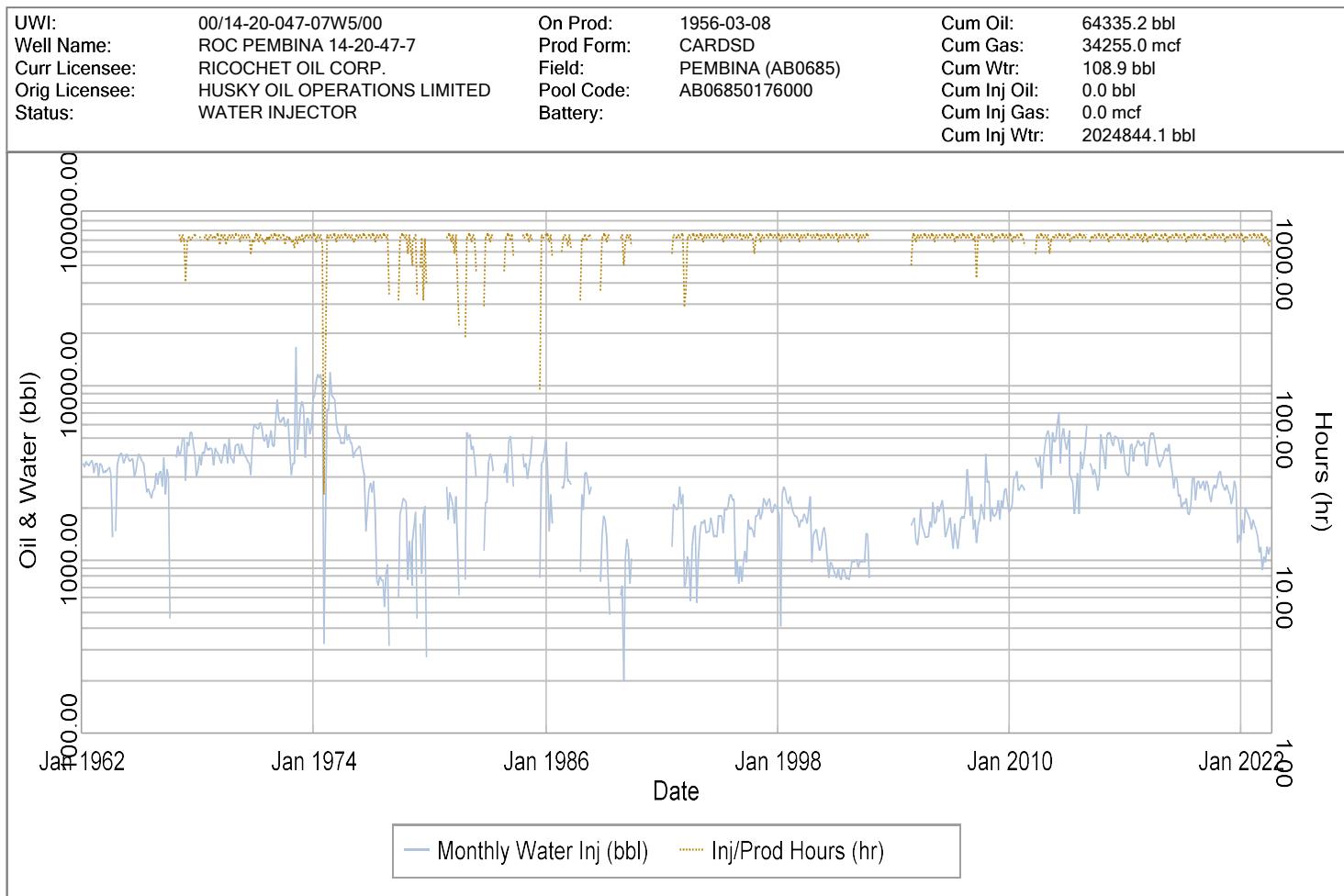
2 COMPENSATED NEUTRON LOG

3 TEMPERATURE

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

On Prod Date:	1956-03-08	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

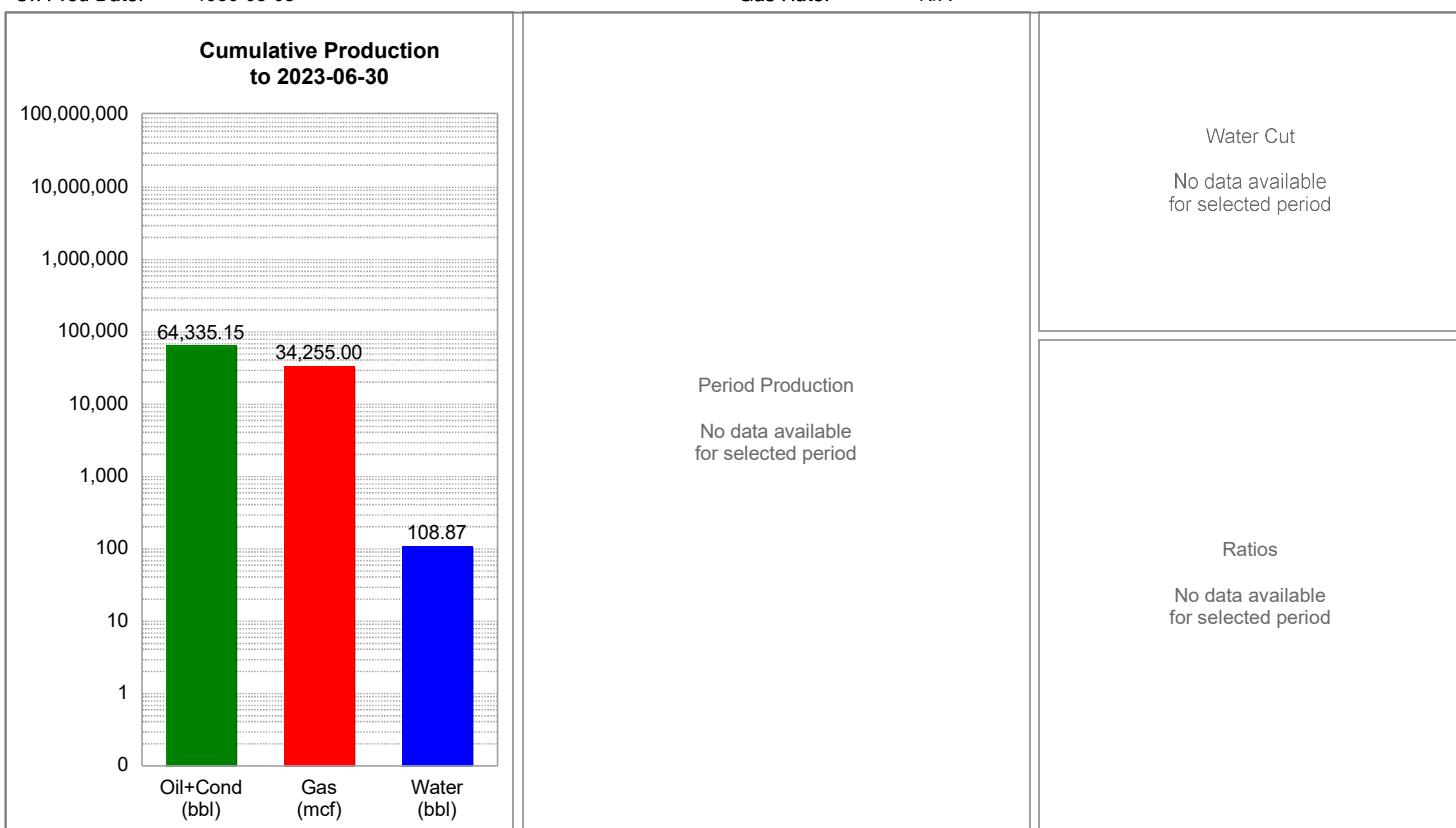
## Production Graph



## Production Summary

UWI: 00/14-20-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-03-08

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-34-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100143404707W500
Mode:	Injection	Bottom Hole Location:	100143404707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S496.1 E2144.0 ft
License		Bottom Hole Coord:	S496.1 E2144.0 ft
Well Name:	ROC PEMBINA 14-34-47-7	Surface Hole Latitude:	53.103611
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.941470
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.103611
Original Licensee:	ARC RESOURCES LTD.	Bottom Hole Longitude:	-114.941470
License Number:	0010025	Dates	
Province/State:	Alberta	License Date:	1955-08-22
Confidential:	Non-Confidential	Spud Date:	1955-09-02
Lahee:	DEVELOPMENT	Final Drill Date:	1955-09-11
Rig Type:	Vertical	Rig Release Date:	1955-09-11
Well Type:	Vertical	Completion Date:	1955-10-01
License Type:		Days Drilled:	9
Well Event Type:	Parent	On Production Date:	1955-10-01
Purpose:		On Injection Date:	1958-07-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-07-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2022-02-25
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2796.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2785.1 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5024.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5024.9 ft
Play		Total Depth:	5024.9 ft
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	1955-08-22	00720000	LICENSED
2	1955-09-02	00730000	SPUDDED
3	1955-09-11	00740000	FINISHED DRILLING
4	1955-09-11	00070000	DRILLED AND CASED
5	1955-10-01	01100000	FLOWING OIL
6	1958-07-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2796.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	865.2	865.2	1931.8	1872.7	
BELLYRV	2737.9	2737.9	59.1	1119.1	
LEAPRK	3857.0	3857.0	-1060.0	422.9	
COLRAD	4279.9	4279.9	-1482.9	514.1	
CARD	4794.0	4794.0	-1997.0	76.1	
CARDSD	4870.1	4870.1	-2073.2	60.0	
BLACKSTN	4930.1	4930.1	-2133.2		

Total TVD: 5024.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5024.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2796.9 ft) - No data

## DSTs and IPs

# of Tests: 3

## Test 1: 3773.0 ft - 3812.3 ft

Date:	1985-09-18
Formation:	BELLYRV,UNDEF
Type:	DUAL CONVENTIONAL STRADDLE (BY-PASS) 4 PACKERS
Valve Open:	45 / 45 min
Shut-in:	90 / 90 min
Flow Pres:	145 / 296 / 338 / 407 PSI
Shut-in Pres:	1189 / 1179 PSI
Hydro Pres:	1821 / 1795 PSI
Comments:	BLOW DESCRIPTION: FAIR INITIAL PUFF INCREASING TO GOOD BY END OF PREFLOW. WEAK AIR BLOW INCREASING TO FAIR ON FINAL FLOW. RECOVERY: 255M (837FT) MUD CUT WATER RECOVERY: 30M (98FT) WATER CUT MUD PMAX: 8746. 69KPA; BHTEMP: 21C; PERMEABILITY: REL-LOW FORMATION DAMAGE: NONE

## Test 2: 3713.9 ft - 3746.7 ft \*Misrun\*

Date:	1985-09-18
Formation:	BELLYRV,UNDEF
Type:	UNDEFINED
Valve Open:	
Shut-in:	
Flow Pres:	
Shut-in Pres:	
Hydro Pres:	
Comments:	BLOW DESCRIPTION: NONE GIVEN. MISRUN.

## IP Test 70: 4879.9 ft - 4890.1 ft

Date:	CARDSD,UNDEF
Formation:	IP - INITIAL POTENTIAL
Type:	
Valve Open:	0 min
Flow Pres:	
Comments:	MAX OIL TO SURFACE: 52.6M3/D (1857.541CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-09-20	JET PERFORATION	4879.9	4890.1	13		
2	1955-09-29	TREATMENT	4879.9	4890.1	0	ACID SQUEEZE	
3	1955-09-29	TREATMENT	4879.9	4890.1	0	FRACTURED	
4	1959-10-26	TREATMENT	4879.9	4890.1	0	CONDENSATE SQUEEZE	
5	1959-10-26	TREATMENT	4879.9	4890.1	0	ACID SQUEEZE	
6	1960-07-20	TREATMENT	4879.9	4890.1	0	FRACTURED	
7	1961-10-27	TREATMENT	4879.9	4890.1	0	ACID WASH	
8	1962-01-23	TREATMENT	4879.9	4890.1	0	ACID WASH	
9	1969-02-19	TREATMENT	4879.9	4890.1	0	ACID SQUEEZE	
10	1971-01-08	TREATMENT	4879.9	4890.1	0	ACID SQUEEZE	
11	1978-05-08	TREATMENT	4879.9	4890.1	0	ACID SQUEEZE	
12	1989-01-27	TREATMENT	4816.6	4816.6	0	PACKER-BRIDGE PLUG	
13	1989-01-27	TREATMENT	4879.9	4890.1	0	ACID SQUEEZE	
14	1999-05-19	TREATMENT	4879.9	4890.1	0	CHEMICAL SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		608.9		608.9	10.748		
2	Production		5018.0	BLACKSTN	5018.0	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

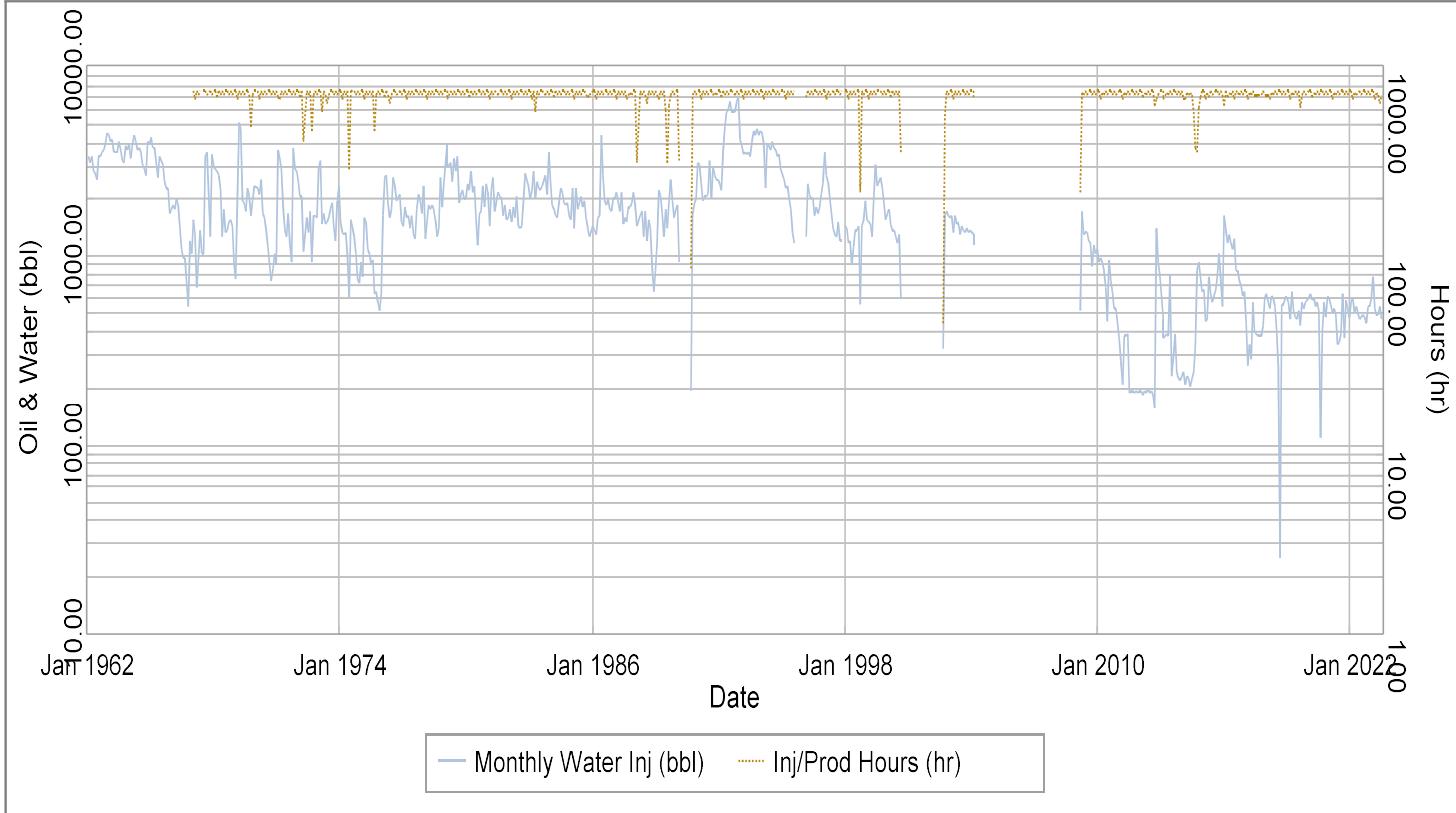
#	Method Description
1	ELECTRIC LOG
2	MICRO LOG

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

On Prod Date:	1955-10-01	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

## Production Graph

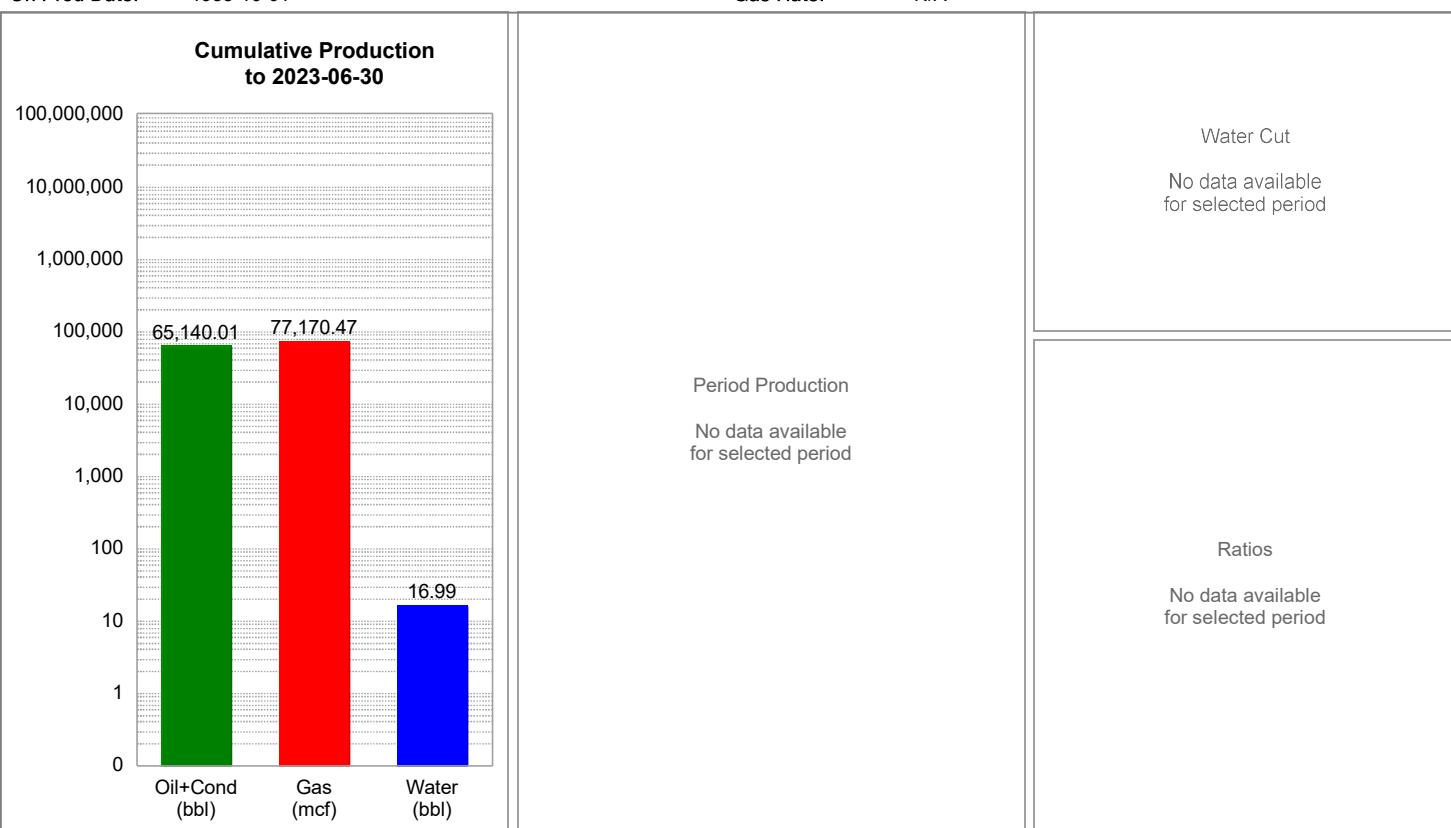
UWI:	00/14-34-047-07W5/00	On Prod:	1955-10-01	Cum Oil:	65140.0 bbl
Well Name:	ROC PEMBINA 14-34-47-7	Prod Form:	CARDSD	Cum Gas:	77170.5 mcf
Curr Licensee:	RICOCHET OIL CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	17.0 bbl
Orig Licensee:	ARC RESOURCES LTD.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 bbl
Status:	WATER INJECTOR	Battery:		Cum Inj Gas:	0.0 mcf
				Cum Inj Wtr:	1204856.1 bbl



## Production Summary

UWI: 00/14-34-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-10-01

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-21-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142104707W500
Mode:	Injection	Bottom Hole Location:	100142104707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 E1980.0 ft
License		Bottom Hole Coord:	S660.1 E1980.0 ft
Well Name:	ROC PEMBINA 14-21-47-7	Surface Hole Latitude:	53.074080
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.966640
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.074080
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.966640
License Number:	0010167	Dates	
Province/State:	Alberta	License Date:	1955-09-14
Confidential:	Non-Confidential	Spud Date:	1955-10-14
Lahee:	DEVELOPMENT	Final Drill Date:	1955-10-24
Rig Type:	Vertical	Rig Release Date:	1955-10-24
Well Type:	Vertical	Completion Date:	1955-11-02
License Type:		Days Drilled:	10
Well Event Type:	Parent	On Production Date:	1955-11-02
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1995-03-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2845.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2833.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5131.9 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5131.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5131.9 ft
Play		Total Depth:	5131.9 ft
Play:	CARDIUM	Plugback Depth:	5044.0 ft
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	1955-09-14	00720000	LICENSED
2	1955-10-14	00730000	SPUDDED
3	1955-10-24	00740000	FINISHED DRILLING
4	1955-10-24	00070000	DRILLED AND CASED
5	1955-11-02	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	1994-03-01	06010300	SUSPENDED WATER INJECTOR
8	1995-03-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2845.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	899.9	899.9	1945.2	1958.0	
BELLYRV	2857.9	2857.9	-12.8	1112.2	
LEAPRK	3970.1	3970.1	-1125.0	421.9	
COLRAD	4392.1	4392.1	-1546.9	530.8	
CARD	4922.9	4922.9	-2077.8	75.1	
CARDSD	4998.0	4998.0	-2152.9	66.9	
BLACKSTN	5065.0	5065.0	-2219.8		

Total TVD:

5131.9 ft

Total Depth:

5131.9 ft

Projected Formation:

BLACKSTONE

Projected Total Depth:

## User Tops (KB Elevation: 2845.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5050.9 ft - 5067.9 ft

Date:

Formation: CARDSD,BLACKSTN

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 33400M3/D (1.18MMCF/D) MAX OIL TO SURFACE: 164.1M3/D (5795.105CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-10-29	JET PERFORATION	5050.9	5059.1	13		
2	1955-10-29	JET PERFORATION	5064.0	5067.9	13		
3	1955-10-30	TREATMENT	5050.9	5067.9	0	ACID SQUEEZE	
4	1955-10-30	TREATMENT	5050.9	5067.9	0	FRACTURED	
5	1956-09-17	JET PERFORATION	5005.9	5033.1	13		
6	1956-09-17	TREATMENT	5005.9	5033.1	0	ACID WASH	
7	1957-03-28	TREATMENT	5005.9	5067.9	0	ACID WASH	
8	1958-06-04	TREATMENT	5044.0	5131.9	0	CEMENT PLUG	
9	1958-06-04	TREATMENT	5005.9	5033.1	0	FRACTURED	
10	1958-06-24	TREATMENT	5005.9	5033.1	0	FRACTURED	
11	1975-09-25	TREATMENT	4956.0	4956.0	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface			619.1	619.1	10.748		
2	Production			5131.9	BLACKSTN	5131.9	5.500	
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

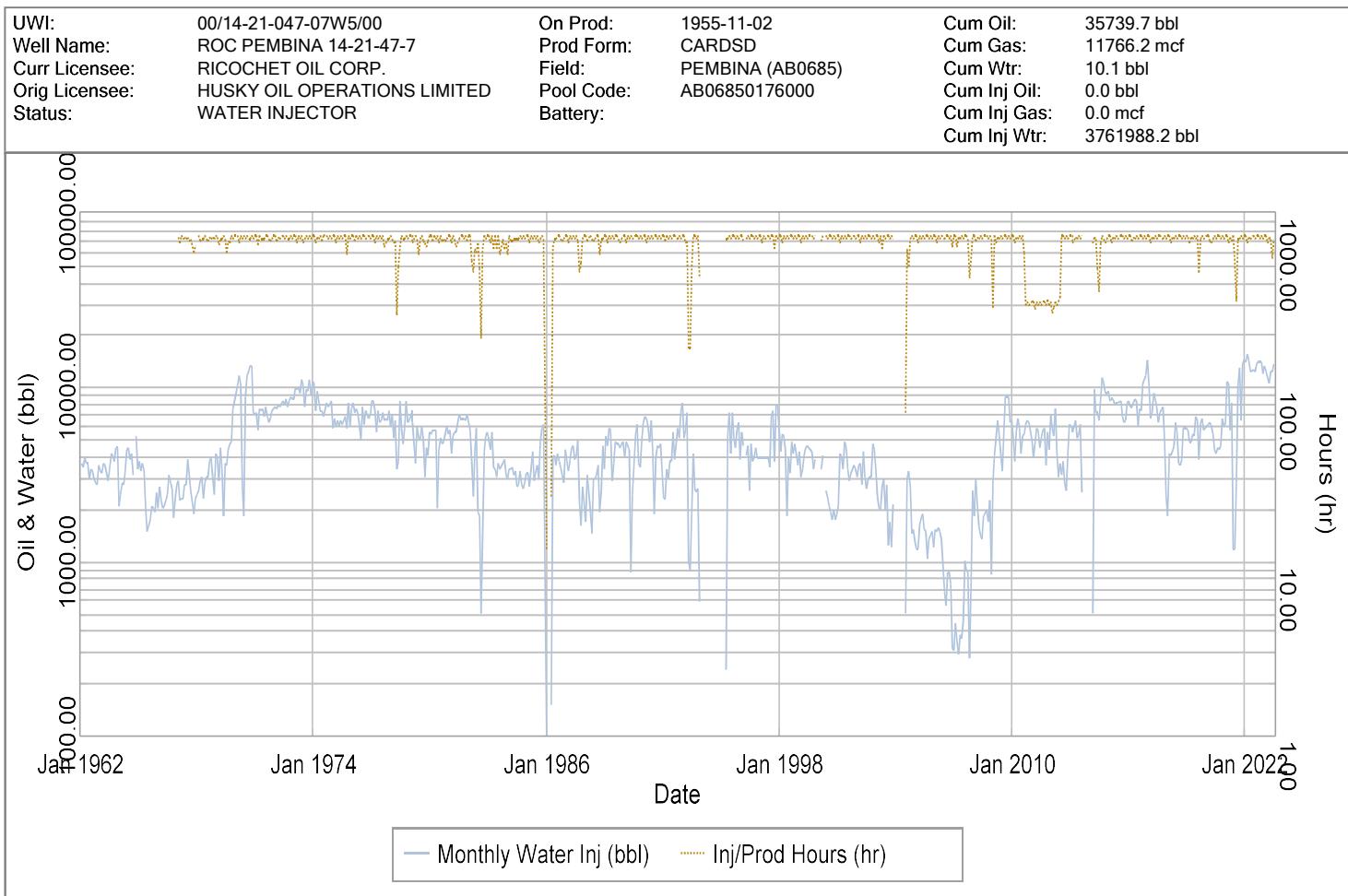
## Logs Run

#	Method Description
1	COMPENSATED NEUTRON LOG
2	RA UNSPECIFIED

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

On Prod Date:	1955-11-02	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/MMcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

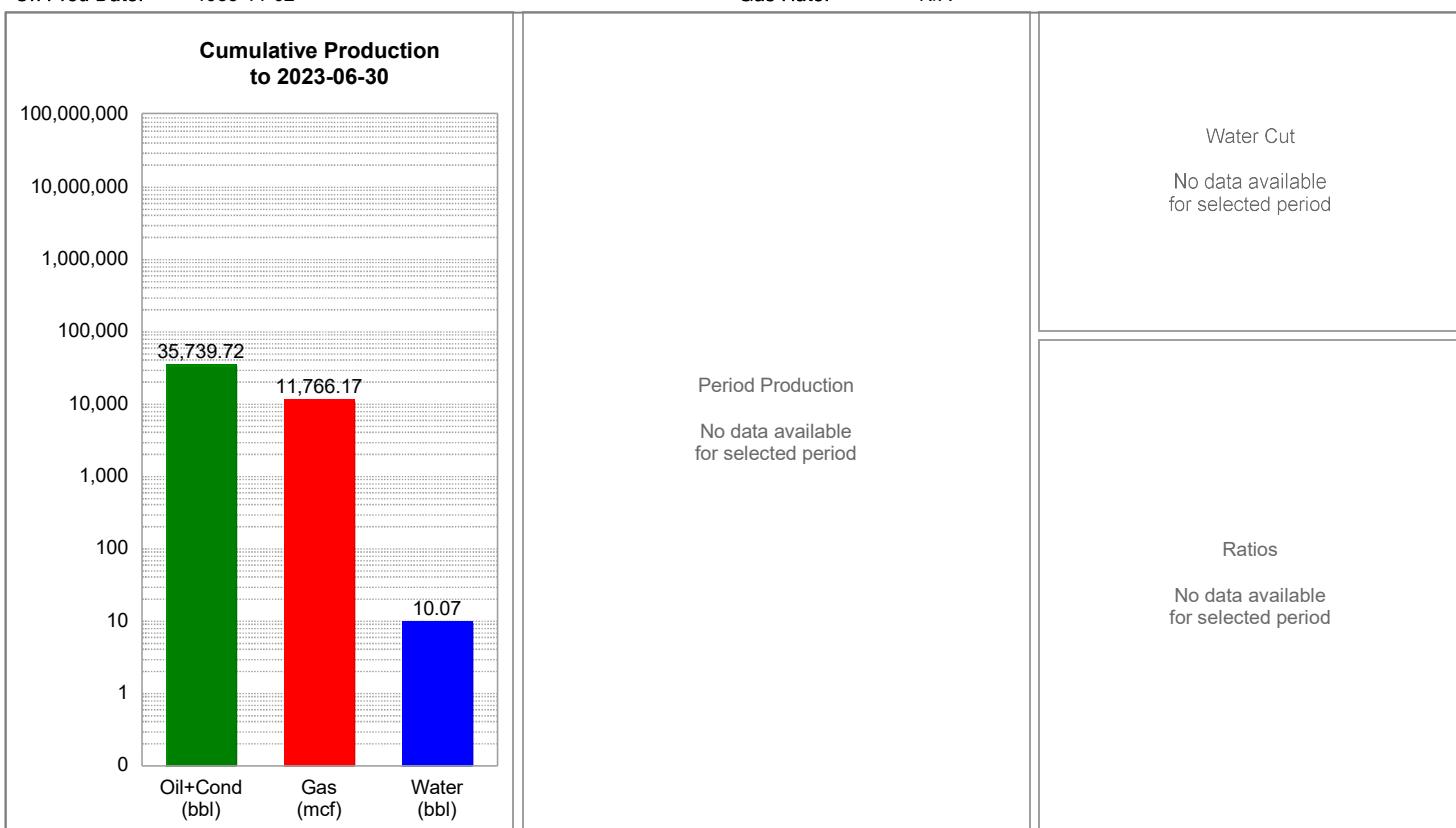
## Production Graph



## Production Summary

UWI: 00/14-21-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-11-02

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-10-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100081004707W500
Mode:	Injection	Bottom Hole Location:	100081004707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 8-10-47-7	Surface Hole Latitude:	53.037761
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.930343
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.037761
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.930343
License Number:	0010088	Dates	
Province/State:	Alberta	License Date:	1955-08-31
Confidential:	Non-Confidential	Spud Date:	1955-10-23
Lahee:	DEVELOPMENT	Final Drill Date:	1955-11-04
Rig Type:	Vertical	Rig Release Date:	1955-11-04
Well Type:	Vertical	Completion Date:	1955-11-23
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-11-23
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	2017-02-07
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	3007.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2979.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5319.9 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5319.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5319.9 ft
Play		Total Depth:	5319.9 ft
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	1955-08-31	00720000	LICENSED
2	1955-10-23	00730000	SPUDDED
3	1955-11-04	00740000	FINISHED DRILLING
4	1955-11-04	00070000	DRILLED AND CASED
5	1955-11-23	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	2016-09-22	06010300	SUSPENDED WATER INJECTOR
8	2017-02-07	06000300	WATER INJECTOR

## System Tops (KB Elevation: 3007.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1107.9	1107.9	1899.9	1913.1	
BELLYRV	3021.0	3021.0	-13.1	1102.0	
LEAPRK	4123.0	4123.0	-1115.2	446.9	
COLRAD	4569.9	4569.9	-1562.0	530.2	
CARD	5100.1	5100.1	-2092.2	73.8	
CARDSD	5173.9	5173.9	-2166.0	72.2	
BLACKSTN	5246.1	5246.1	-2238.2		

Total TVD: 5319.9 ft  
 Total Depth: 5319.9 ft

Projected Formation: BLACKSTONE  
 Projected Total Depth:

## User Tops (KB Elevation: 3007.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5219.2 ft - 5247.0 ft

Date:

Formation: CARDSD,BLACKSTN

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 62200M3/D (2.197MMCF/D) MAX OIL TO SURFACE: 311.3M3/D (10993.396CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-11-07	JET PERFORATION	5234.9	5237.9	13		
2	1955-11-07	JET PERFORATION	5241.1	5247.0	13		
3	1955-11-20	TREATMENT	5234.9	5247.0	0	ACID SQUEEZE	
4	1955-11-20	TREATMENT	5234.9	5247.0	0	FRACTURED	
5	1956-07-31	JET PERFORATION	5139.1	5148.0	13		
6	1956-07-31	JET PERFORATION	5118.1	5132.9	13		
7	1956-07-31	TREATMENT	5118.1	5148.0	0	ACID WASH	
8	1956-08-07	JET PERFORATION	5200.1	5203.1	13		
9	1956-08-07	JET PERFORATION	5205.1	5217.8	13		
10	1956-08-07	TREATMENT	5200.1	5217.8	0	ACID WASH	
11	1958-08-27	TREATMENT	5210.0	5228.0	0	CEMENT PLUG	
12	1958-08-27	TREATMENT	5118.1	5210.0	0	FRACTURED	
13	2004-11-01	TREATMENT	5157.5	5157.5	0	PACKER-BRIDGE PLUG	
14	2009-08-29	TREATMENT	5118.1	5210.0	0	ACID SQUEEZE	
15	2013-10-21	TREATMENT	5118.1	5210.0	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface			600.1	600.1	10.748		
2	Production			5319.9	5319.9	5.500		

#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)
1	Surface			
2	Production			

## Casing Cements - No data

## Logs Run

# Method Description

1 ELECTRIC LOG

2 MICRO LOG

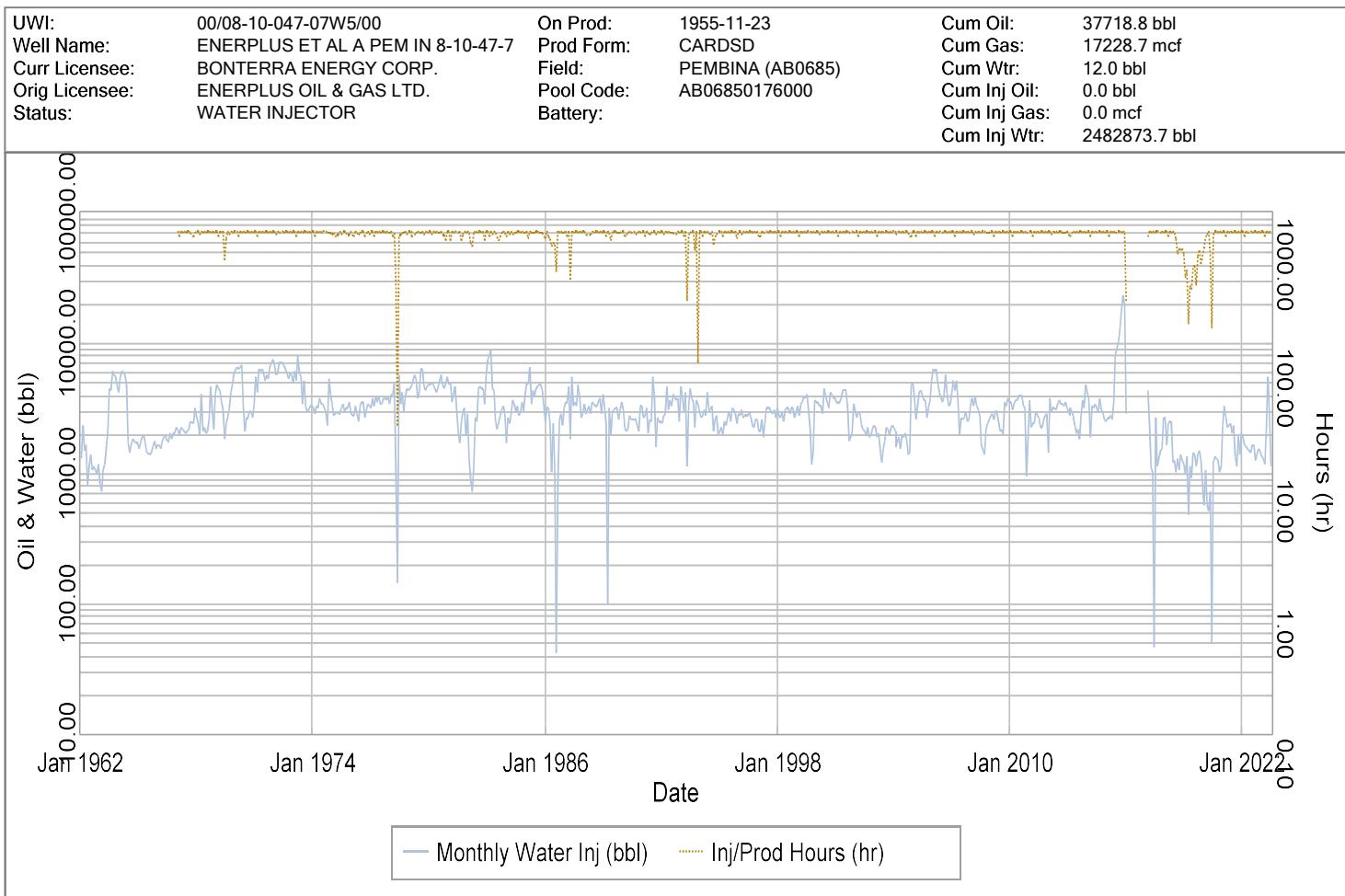
3 COMPENSATED NEUTRON LOG

4 RA UNSPECIFIED

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

On Prod Date:	1955-11-23	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

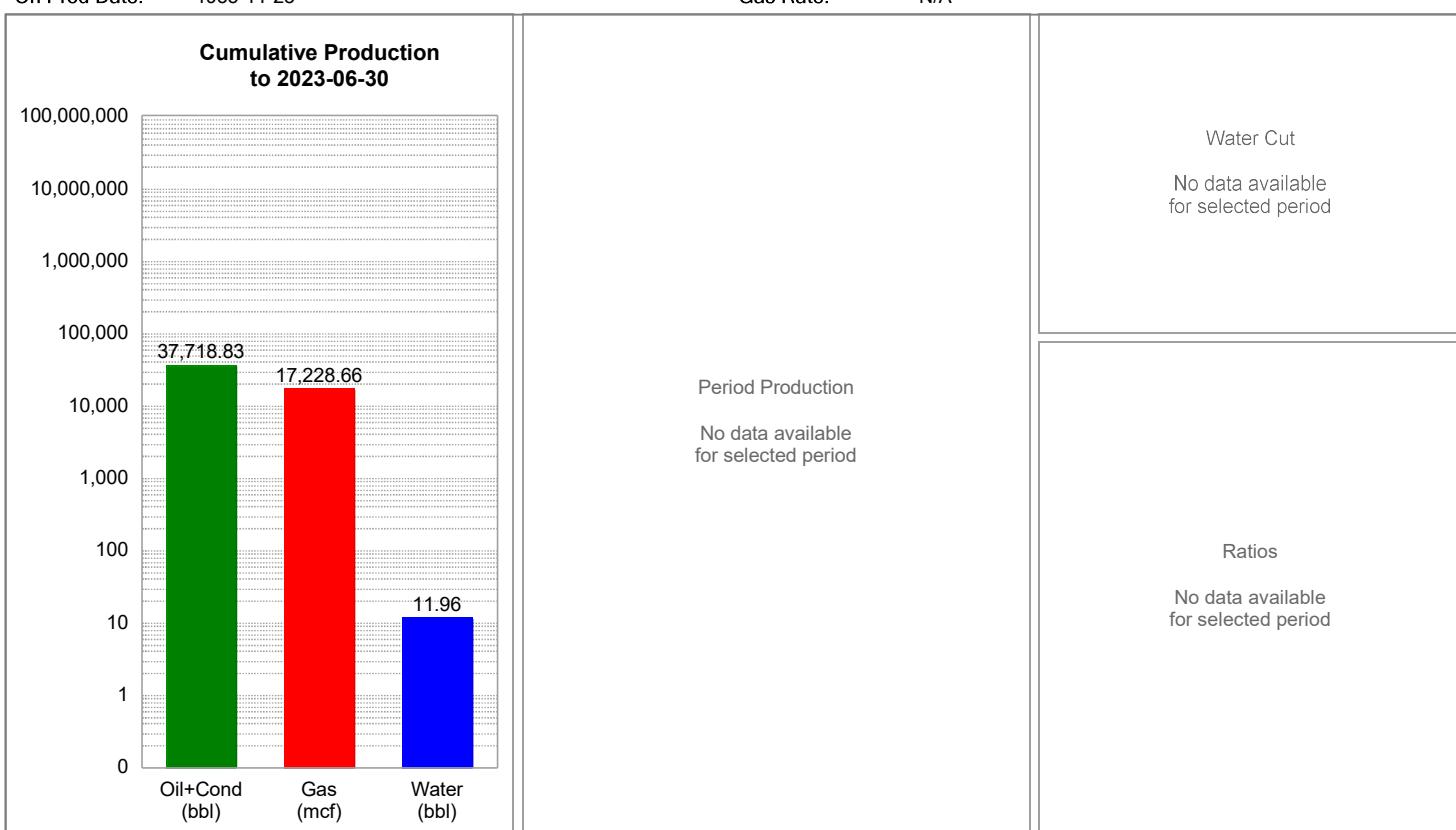
## Production Graph



## Production Summary

UWI: 00/08-10-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-11-23

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-22-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142204707W500
Mode:	Injection	Bottom Hole Location:	100142204707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 E1980.0 ft
License		Bottom Hole Coord:	S660.1 E1980.0 ft
Well Name:	BIRCHILL ET AL PEMBINA 14-22-47-7	Surface Hole Latitude:	53.074075
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.942308
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.074075
Original Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.942308
License Number:	0010609	Dates	
Province/State:	Alberta	License Date:	1955-12-09
Confidential:	Non-Confidential	Spud Date:	1956-01-21
Lahee:	DEVELOPMENT	Final Drill Date:	1956-02-01
Rig Type:	Vertical	Rig Release Date:	1956-02-01
Well Type:	Vertical	Completion Date:	1956-02-10
License Type:		Days Drilled:	11
Well Event Type:	Parent	On Production Date:	1956-02-10
Purpose:		On Injection Date:	1958-01-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-01-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2913.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5154.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5154.9 ft
Play		Total Depth:	5154.9 ft
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	1955-12-09	00720000	LICENSED
2	1956-01-21	00730000	SPUDDED
3	1956-02-01	00740000	FINISHED DRILLING
4	1956-02-01	00070000	DRILLED AND CASED
5	1956-02-10	01100000	FLOWING OIL
6	1956-11-11	01110000	PUMPING OIL
7	1958-01-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2913.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	972.1	972.1	1940.9	1957.0	
BELLYRV	2929.1	2929.1	-16.1	1089.9	
LEAPRK	4019.0	4019.0	-1106.0	431.1	
COLRAD	4450.1	4450.1	-1537.1	520.0	
CARD	4970.1	4970.1	-2057.1	69.9	
CARDSD	5040.0	5040.0	-2127.0	62.0	
BLACKSTN	5102.0	5102.0	-2189.0		

Total TVD: 5154.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5154.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2913.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5045.9 ft - 5070.9 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 86800M3/D (3.065MMCF/D) MAX OIL TO SURFACE: 123.1M3/D (4347.212CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-02-06	JET PERFORATION	5045.9	5070.9	26		
2	1956-02-06	TREATMENT	5045.9	5070.9	0	ACID SQUEEZE	
3	1956-02-06	TREATMENT	5045.9	5070.9	0	FRACTURED	
4	2005-08-08	TREATMENT	4956.7	4956.7	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		605.0		605.0	10.748		
2	Production		5154.9	BLACKSTN	5154.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

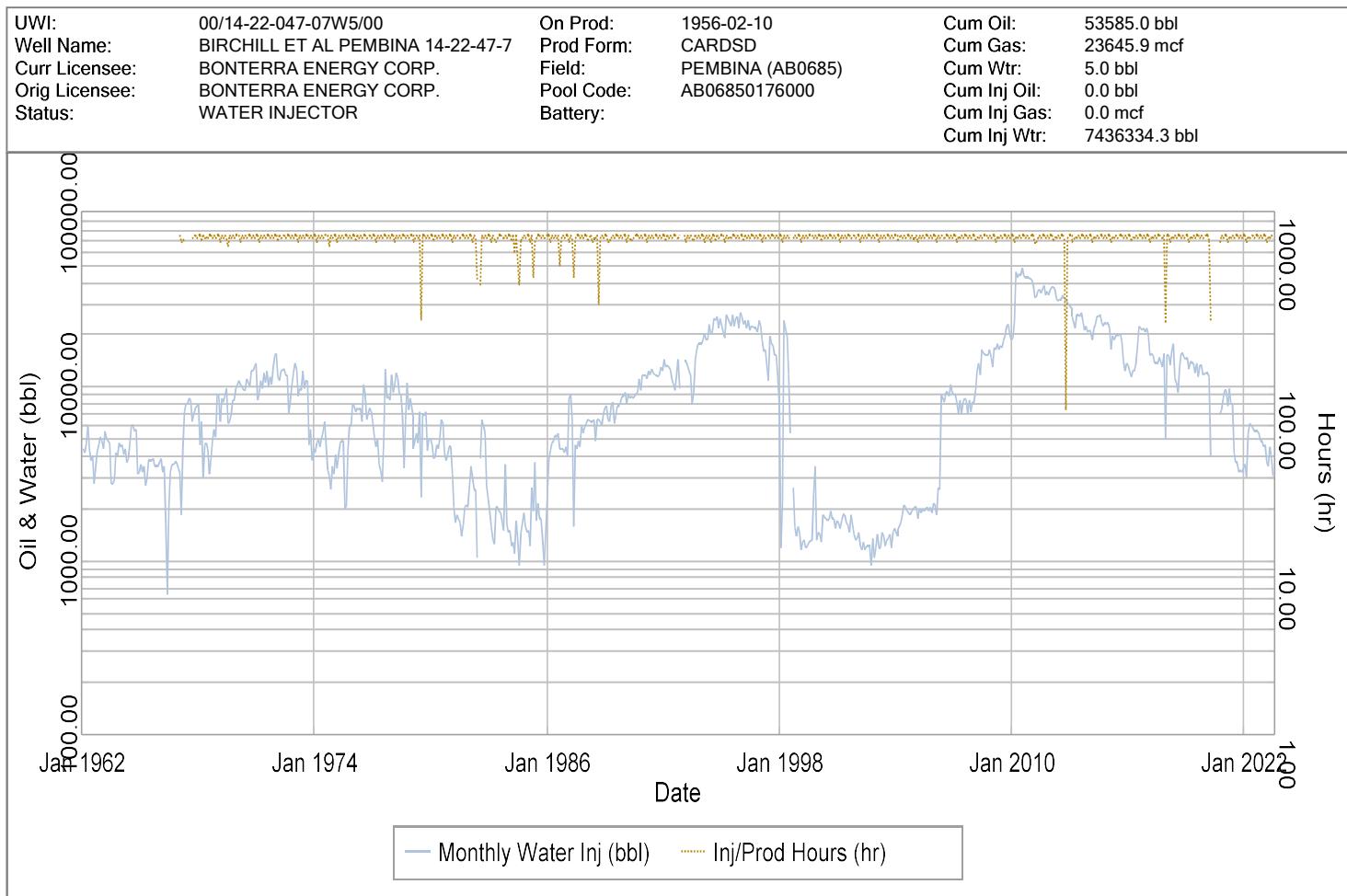
## Logs Run

# Method Description
1 COMPENSATED NEUTRON LOG
2 RA UNSPECIFIED

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

On Prod Date:	1956-02-10	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:
			0.00 mcf/d

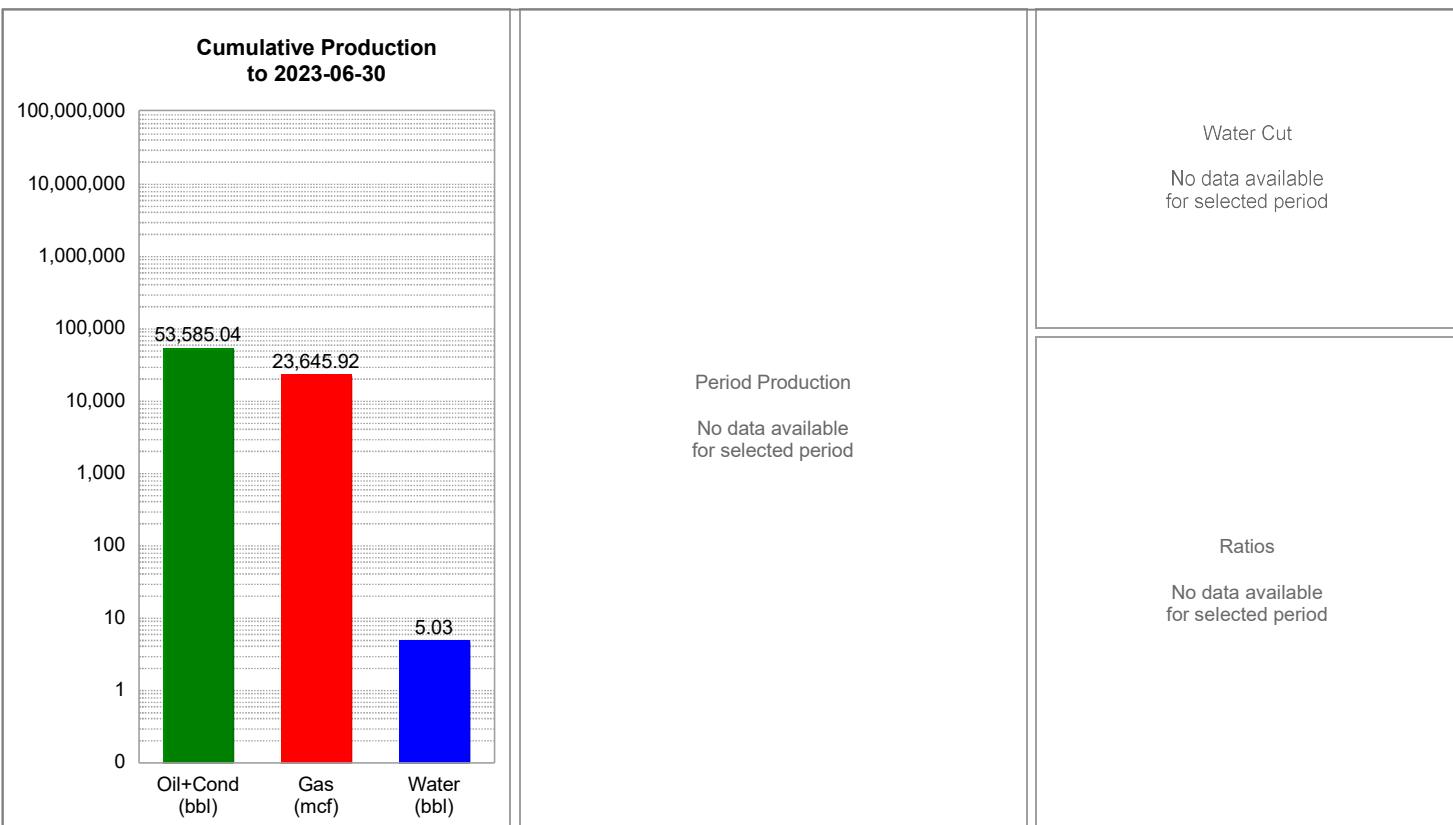
## Production Graph



## Production Summary

UWI: 00/14-22-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-02-10

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-35-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100063504707W500
Mode:	Injection	Bottom Hole Location:	100063504707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1980.0 ft
License		Bottom Hole Coord:	N1980.0 E1980.0 ft
Well Name:	ROC PEMBINA 6-35-47-7	Surface Hole Latitude:	53.095934
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.917867
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.095934
Original Licensee:	ARC RESOURCES LTD.	Bottom Hole Longitude:	-114.917867
License Number:	0009370	Dates	
Province/State:	Alberta	License Date:	1955-04-01
Confidential:	Non-Confidential	Spud Date:	1955-05-30
Lahee:	DEVELOPMENT	Final Drill Date:	1955-06-11
Rig Type:	Vertical	Rig Release Date:	1955-06-11
Well Type:	Vertical	Completion Date:	1955-06-26
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-06-26
Purpose:		On Injection Date:	1958-03-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-03-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2907.2 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2897.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5131.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5131.9 ft
Play		Total Depth:	5131.9 ft
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	1955-04-01	00720000	LICENSED
2	1955-05-30	00730000	SPUDDED
3	1955-06-11	00740000	FINISHED DRILLING
4	1955-06-11	00070000	DRILLED AND CASED
5	1955-06-26	01100000	FLOWING OIL
6	1956-01-09	01110000	PUMPING OIL
7	1958-03-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2907.2 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	971.1	971.1	1936.0	1886.8	
BELLYRV	2857.9	2857.9	49.2	1092.2	
LEAPRK	3950.1	3950.1	-1043.0	431.8	
COLRAD	4381.9	4381.9	-1474.7	514.1	
CARD	4896.0	4896.0	-1988.8	80.1	
CARDSD	4976.1	4976.1	-2068.9	53.8	
BLACKSTN	5029.9	5029.9	-2122.7		

Total TVD: 5131.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5131.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2907.2 ft) - No data

## DSTs and IPs

# of Tests: 2

Test 1: 3899.9 ft - 3954.1 ft

Date:	1955-06-06
Formation:	BELLYRV,LEAPRK
Type:	CONVENTIONAL BOTTOM HOLE 2 PACKERS
Valve Open:	30 min
Shut-in:	15 min
Flow Pres:	
Shut-in Pres:	867 PSI
Hydro Pres:	2352 / 2305 PSI
Comments:	BLOW DESCRIPTION: INITIAL PUFF OBTAINED, NO DESCRIPTION GIVEN. RECOVERY: 30.48M (100FT) MUD PERMEABILITY: LOW

IP Test 70: 4980.0 ft - 4992.1 ft

Date:	
Formation:	CARDSD,UNDEF
Type:	IP - INITIAL POTENTIAL
Valve Open:	0 min
Flow Pres:	
Comments:	MAX GAS TO SURFACE: 74600M3/D (2.634MMCF/D) MAX OIL TO SURFACE: 61.8M3/D (2182.435CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-06-13	JET PERFORATION	4980.0	4992.1	13		
2	1955-06-21	TREATMENT	4980.0	4992.1	0	FRACTURED	
3	1959-10-26	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
4	1960-06-07	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
5	1960-06-07	TREATMENT	4980.0	4992.1	0	FRACTURED	
6	1961-01-23	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
7	1961-04-20	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
8	1961-09-12	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
9	1962-03-23	TREATMENT	4980.0	4992.1	0	ACID WASH	
10	1968-11-04	TREATMENT	4980.0	4992.1	0	ACID WASH	
11	1977-06-01	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
12	1980-03-22	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
13	1988-02-24	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
14	1989-05-15	TREATMENT	4980.0	4992.1	0	ACID SQUEEZE	
15	2019-06-06	JET PERFORATION	5006.2	5014.1	17		
16	2019-06-06	JET PERFORATION	4980.0	4992.1	17		
17	2019-06-07	TREATMENT	5006.2	5014.1	0	CHEMICAL SQUEEZE	
18	2019-06-10	TREATMENT	4980.0	4992.1	0	CHEMICAL SQUEEZE	
19	2019-06-11	TREATMENT	4952.1	4952.1	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface				601.0			
2	Production			BLACKSTN	5131.9	10.748	7.000	
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

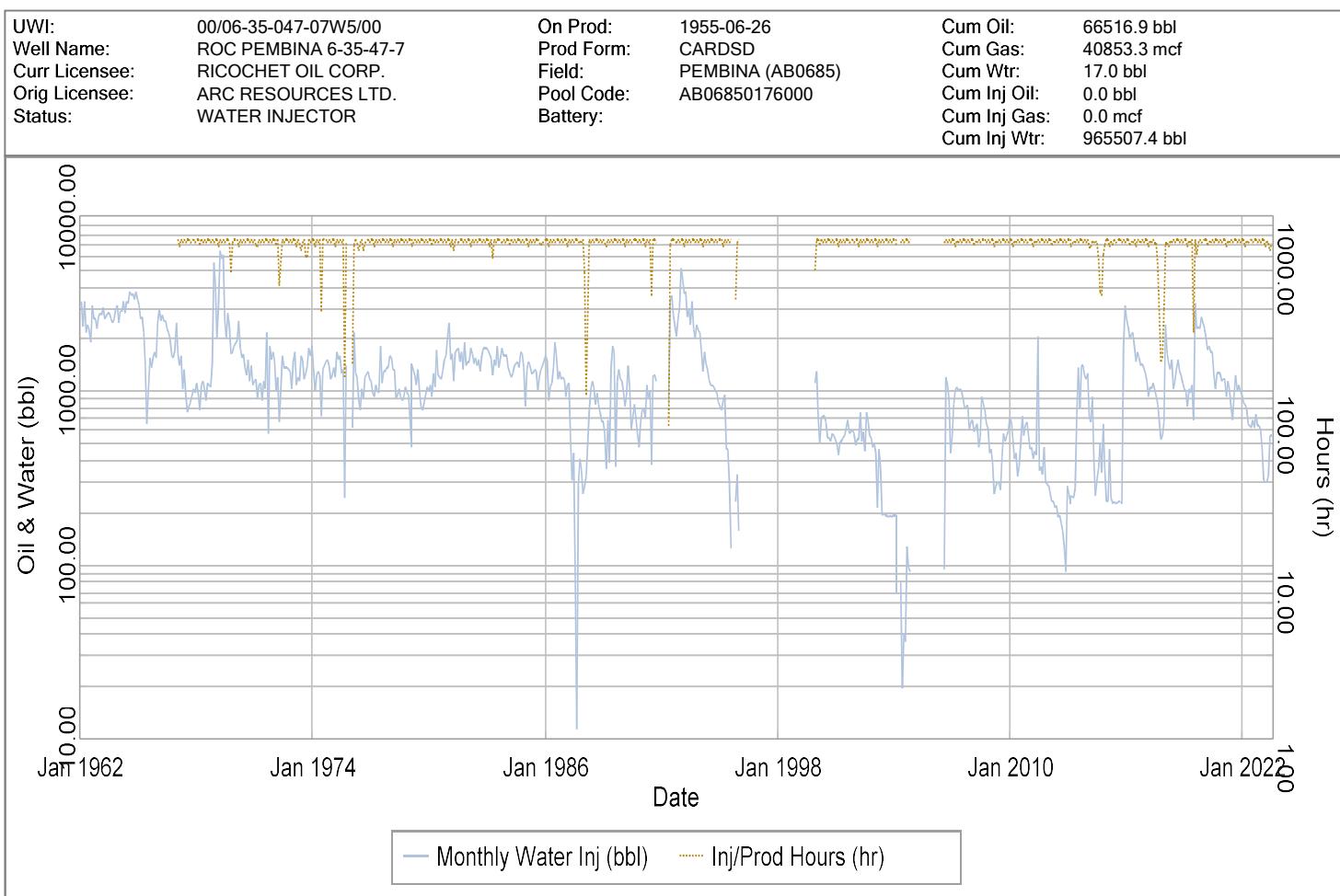
## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	MICRO LOG

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

On Prod Date:	1955-06-26	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

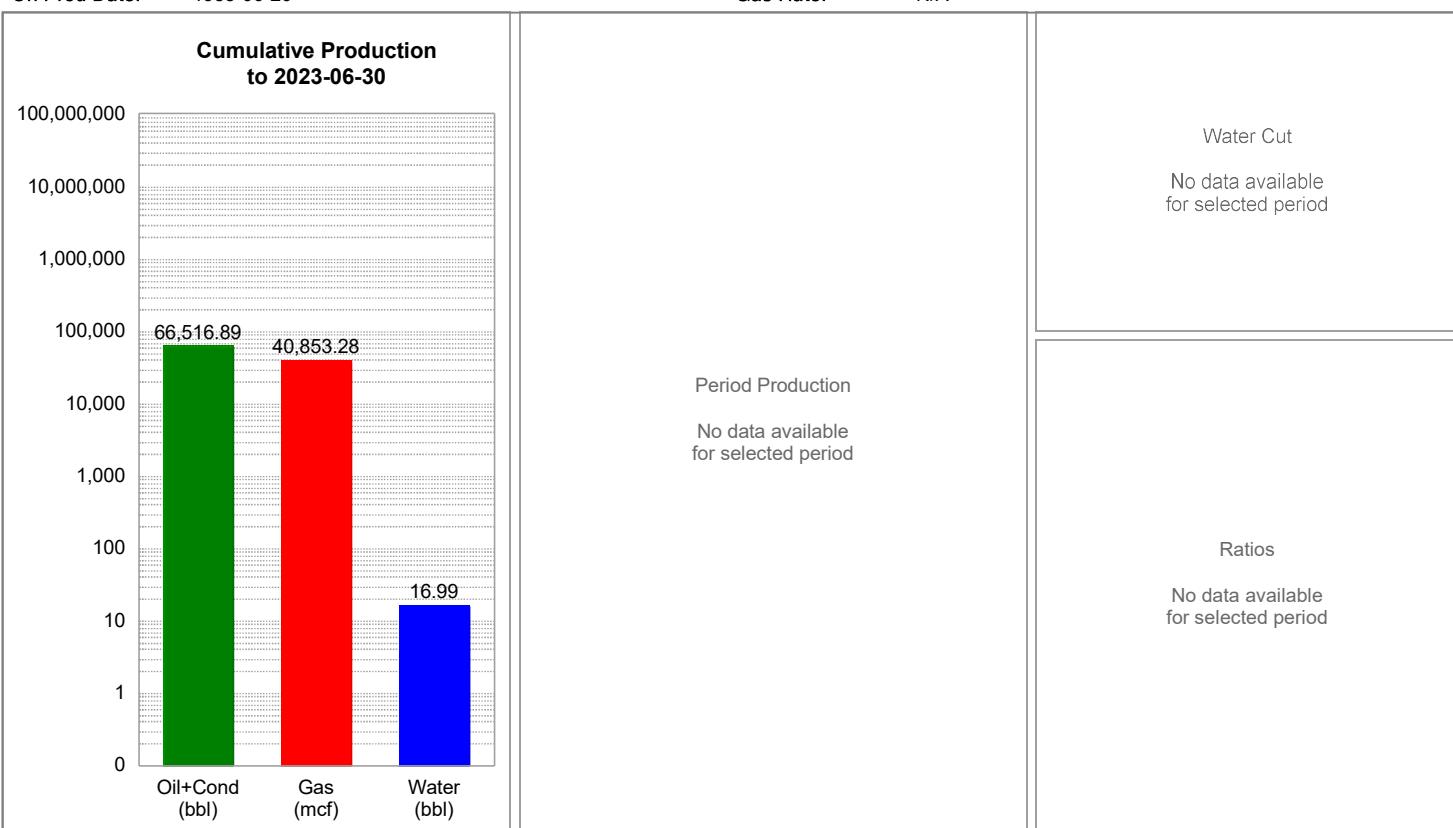
## Production Graph



## Production Summary

UWI: 00/06-35-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-06-26

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-23-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142304707W500
Mode:	Injection	Bottom Hole Location:	100142304707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 E1980.0 ft
License		Bottom Hole Coord:	S660.1 E1980.0 ft
Well Name:	ENERPLUS IN PEMBINA 14-23-47-7	Surface Hole Latitude:	53.074068
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.917955
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.074068
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.917955
License Number:	0010487	Dates	
Province/State:	Alberta	License Date:	1955-11-15
Confidential:	Non-Confidential	Spud Date:	1955-11-23
Lahee:	DEEPER POOL TEST	Final Drill Date:	1955-12-17
Rig Type:	Vertical	Rig Release Date:	1955-12-22
Well Type:	Vertical	Completion Date:	1956-01-15
License Type:		Days Drilled:	29
Well Event Type:	Parent	On Production Date:	1956-01-15
Purpose:		On Injection Date:	1958-10-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	2009-01-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	VIKING	Last Update Date:	2022-06-15
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	VIKING	KB Elevation:	2997.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2985.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	6147.0 ft
Drilling Rig Number:		Total True Vertical Depth:	6147.0 ft
Play		Total Depth:	6147.0 ft
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	1955-11-15	00720000	LICENSED
2	1955-11-23	00730000	SPUDDED
3	1955-12-17	00740000	FINISHED DRILLING
4	1955-12-22	00750000	RIG RELEASED
5	1955-12-17	00070000	DRILLED AND CASED
6	1956-01-15	01100000	FLOWING OIL
7	1958-10-01	06000300	WATER INJECTOR
8	2007-05-28	06010300	SUSPENDED WATER INJECTOR
9	2009-01-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2997.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1077.1	1077.1	1919.9	1910.8	
BELLYRV	2987.9	2987.9	9.2	1094.2	
LEAPRK	4082.0	4082.0	-1085.0	436.0	
COLRAD	4518.0	4518.0	-1521.0	520.0	
CARD	5038.1	5038.1	-2041.0	75.8	
CARDSD	5113.8	5113.8	-2116.8	62.0	
BLACKSTN	5175.9	5175.9	-2178.8	408.1	
2WSPK	5584.0	5584.0	-2586.9	371.1	
BFSC	5955.1	5955.1	-2958.0	105.0	
VIK	6060.0	6060.0	-3063.0		

Total TVD: 6147.0 ft      Projected Formation: VIKING  
 Total Depth: 6147.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2997.0 ft) - No data

## DSTs and IPs

# of Tests: 3

## Test 1: 4032.2 ft - 4068.9 ft

Date:	1955-12-04
Formation:	BELLYRV,UNDEF
Type:	CONVENTIONAL BOTTOM HOLE 1 PACKER
Valve Open:	30 min
Shut-in:	15 min
Flow Pres:	33 / 36 PSI
Shut-in Pres:	734 PSI
Hydro Pres:	2206 / 2206 PSI
Comments:	BLOW DESCRIPTION: GOOD INITIAL PUFF. BHTEMP: 43.33C; PERMEABILITY: LOW

## Test 2: 6062.0 ft - 6097.1 ft

Date:	1955-12-16
Formation:	VIK,UNDEF
Type:	CONVENTIONAL BOTTOM HOLE 2 PACKERS
Valve Open:	30 min
Shut-in:	15 min
Flow Pres:	98 / 98 PSI
Shut-in Pres:	129 PSI
Hydro Pres:	3608 / 3540 PSI
Comments:	BLOW DESCRIPTION: OPENED WITH GOOD INITIAL PUFF, CONTINUED WITH WEAK AIR BLOW THROUGHOUT TEST. RECOVERY: 30.48M (100FT) MUD BHTEMP: 54.44C; PERMEABILITY: VIRT- NONE

## IP Test 70: 5120.1 ft - 5159.1 ft

Date:	
Formation:	CARDSD,UNDEF
Type:	IP - PRODUCTION TEST
Valve Open:	0 min
Flow Pres:	
Comments:	MAX OIL TO SURFACE: 49.9M3/D (1762.192CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	4023.0	4068.9	45.9
2		Diamond, conventional	5099.1	5148.0	48.9
3		Diamond, conventional	6046.9	6097.1	49.9
4		Diamond, conventional	6097.1	6147.0	49.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-01-08	JET PERFORATION	5149.0	5159.1	26		
2	1956-01-08	TREATMENT	5149.0	5159.1	0	ACID WASH	
3	1956-01-08	TREATMENT	5149.0	5159.1	0	FRACTURED	
4	1956-01-09	JET PERFORATION	5120.1	5140.1	13		
5	1956-01-09	TREATMENT	5120.1	5140.1	0	FRACTURED	
6	2003-07-16	TREATMENT	5120.1	5159.1	0	ACID SQUEEZE	
7	2003-07-17	TREATMENT	5051.5	5051.5	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		599.1		599.1	10.748		
2	Production		5350.1	BLACKSTN	5350.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

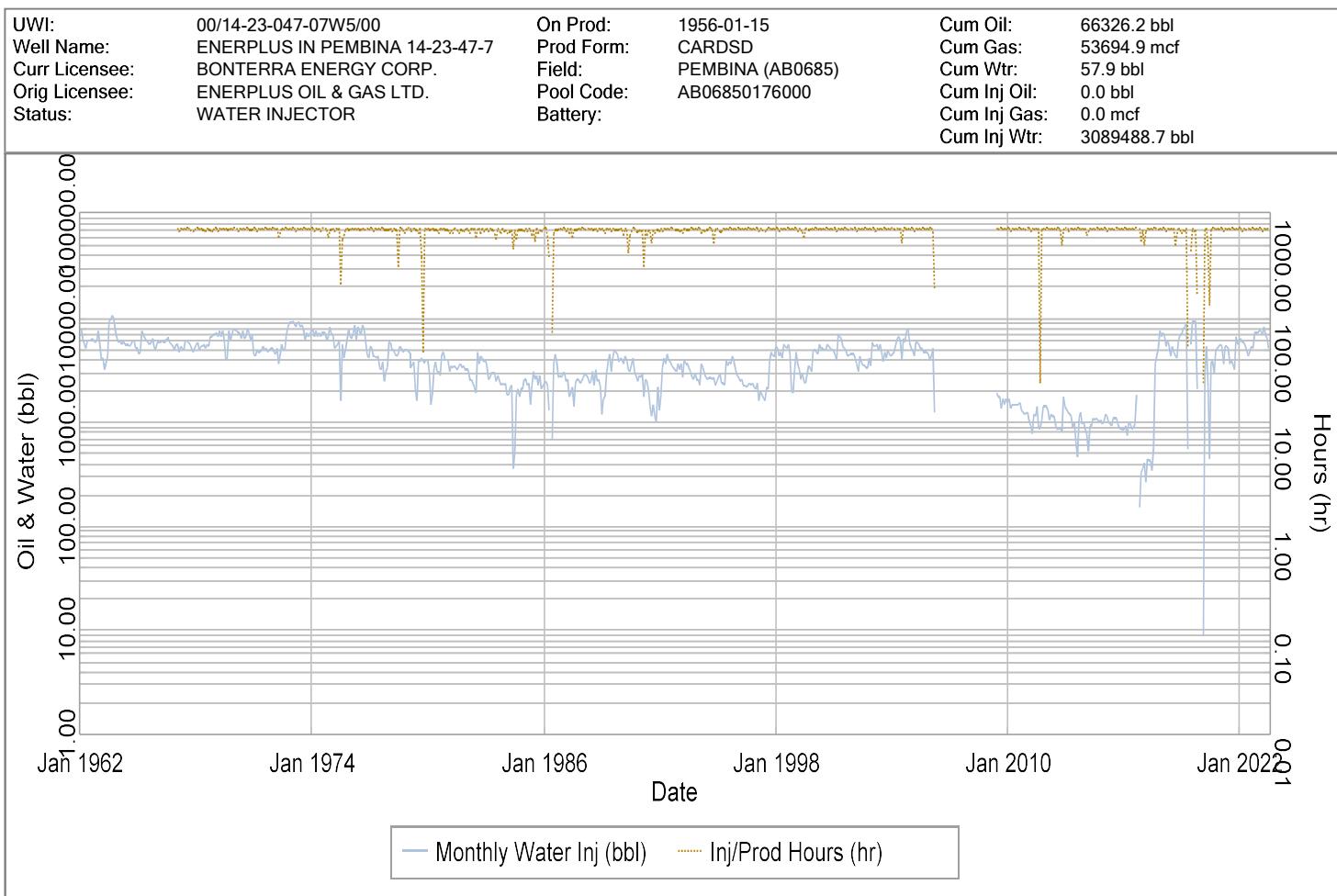
## Logs Run

- | # | Method Description      |
|---|-------------------------|
| 1 | ELECTRIC LOG            |
| 2 | MICRO LOG               |
| 3 | COMPENSATED NEUTRON LOG |
| 4 | RA UNSPECIFIED          |
| 5 | TEMPERATURE             |

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

On Prod Date:	1956-01-15		Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	Cum Oil + Cond: 66,326.22 bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	Cum Gas: 53,694.91 mcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	Cum Water: 57.89 bbl
Oil + Cond/Day:	0.00 bbl/d			Gas/Day: 0.00 mcf/d

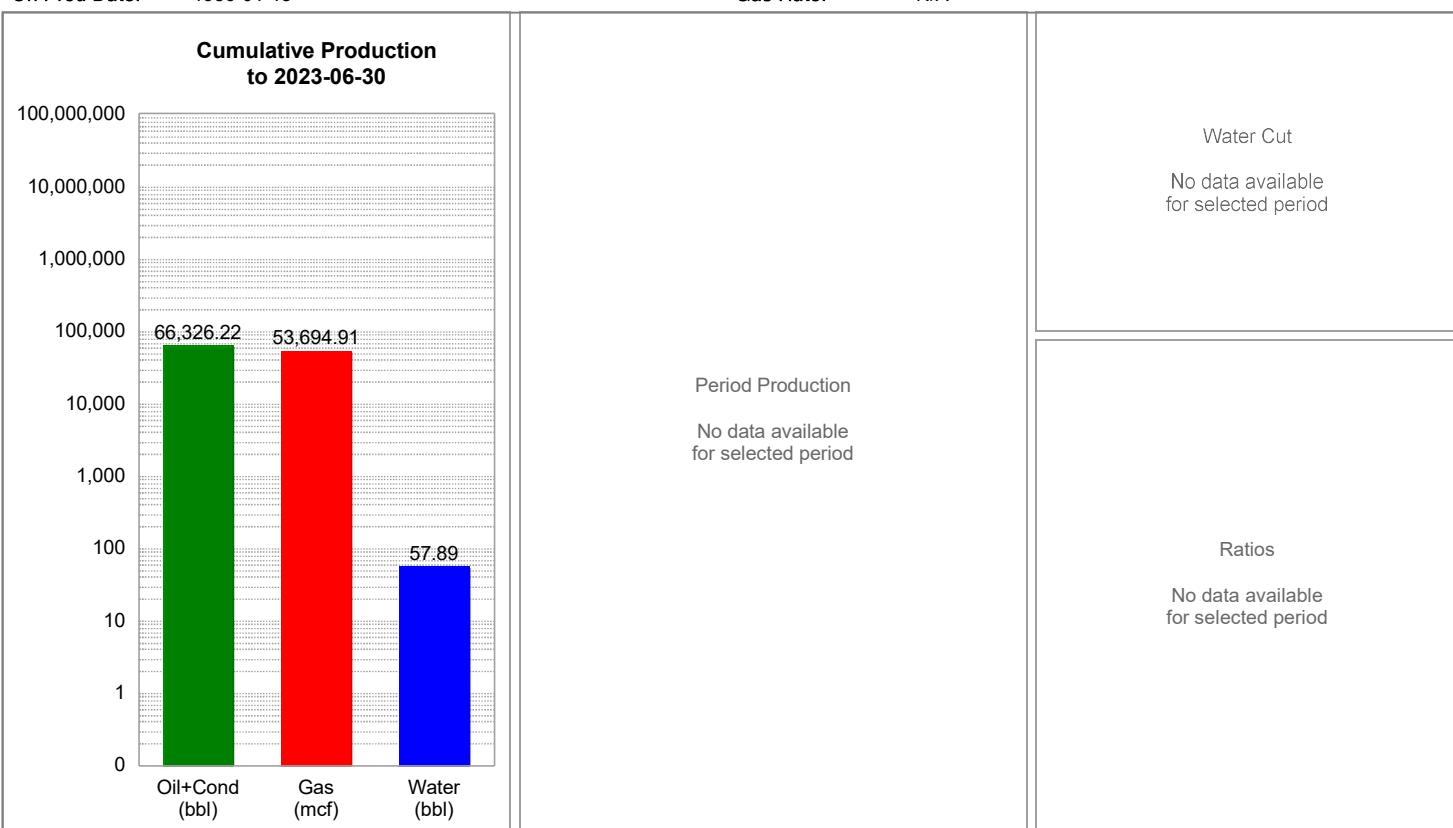
## Production Graph



## Production Summary

UWI: 00/14-23-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-01-15

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/16-21-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100162104707W500
Mode:	Injection	Bottom Hole Location:	100162104707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S680.1 W660.1 ft
License		Bottom Hole Coord:	S680.1 W660.1 ft
Well Name:	ROC PEMBINA 16-21-47-7	Surface Hole Latitude:	53.074024
Current Licensee:	RICOCHET OIL CORP.	Surface Hole Longitude:	-114.954614
Facility Operator:	RICOCHET OIL CORP.	Bottom Hole Latitude:	53.074024
Original Licensee:	HUSKY OIL OPERATIONS LIMITED	Bottom Hole Longitude:	-114.954614
License Number:	0009939	Dates	
Province/State:	Alberta	License Date:	1955-08-11
Confidential:	Non-Confidential	Spud Date:	1955-08-26
Lahee:	DEVELOPMENT	Final Drill Date:	1955-09-07
Rig Type:	Vertical	Rig Release Date:	1955-09-07
Well Type:	Vertical	Completion Date:	1955-09-24
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-09-24
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	2004-09-21
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-11-06
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2873.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2859.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5180.1 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5180.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5180.1 ft
Play		Total Depth:	5180.1 ft
Play:	CARDIUM	Plugback Depth:	5040.0 ft
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	1955-08-11	00720000	LICENSED
2	1955-08-26	00730000	SPUDDED
3	1955-09-07	00740000	FINISHED DRILLING
4	1955-09-07	00070000	DRILLED AND CASED
5	1955-09-24	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	1994-04-01	06010300	SUSPENDED WATER INJECTOR
8	2004-09-21	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2873.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	958.0	958.0	1915.0	1932.1	
BELLYRV	2890.1	2890.1	-17.1	1100.1	
LEAPRK	3990.2	3990.2	-1117.1	417.0	
COLRAD	4407.2	4407.2	-1534.1	526.9	
CARD	4934.1	4934.1	-2061.0	66.9	
CARDSD	5001.0	5001.0	-2128.0	63.0	
BLACKSTN	5064.0	5064.0	-2190.9		

Total TVD: 5180.1 ft  
 Total Depth: 5180.1 ft

Projected Formation: BLACKSTONE  
 Projected Total Depth:

## User Tops (KB Elevation: 2873.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5057.1 ft - 5080.1 ft

Date:

Formation: CARDSD,BLACKSTN

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 31200M3/D (1.102MMCF/D) MAX OIL TO SURFACE: 236.6M3/D (8355.405CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-09-19	TREATMENT	5057.1	5080.1	0	ACID SQUEEZE	
2	1955-09-19	TREATMENT	5057.1	5080.1	0	FRACTURED	
3	1955-09-19	JET PERFORATION	5063.0	5080.1	13		
4	1955-09-19	JET PERFORATION	5065.9	5069.9	13		
5	1955-09-19	JET PERFORATION	5057.1	5064.0	13		
6	1956-09-17	JET PERFORATION	5014.1	5042.0	13		
7	1956-09-17	TREATMENT	5014.1	5042.0	0	ACID WASH	
8	1958-06-05	TREATMENT	5040.0	5180.1	0	CEMENT PLUG	
9	1958-06-05	TREATMENT	5007.9	5032.2	0	FRACTURED	
10	1958-06-05	TREATMENT	5007.9	5032.2	0	ACID WASH	
11	1958-06-05	JET PERFORATION	5029.9	5032.2	13		
12	1958-06-05	JET PERFORATION	5021.0	5025.9	13		
13	1958-06-05	JET PERFORATION	5007.9	5018.0	13		
14	2004-09-02	BULLET PERFORATION	4951.4	4951.4	0		

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface			610.9	610.9	10.748		
2	Production			5179.1	BLACKSTN	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

# Method Description

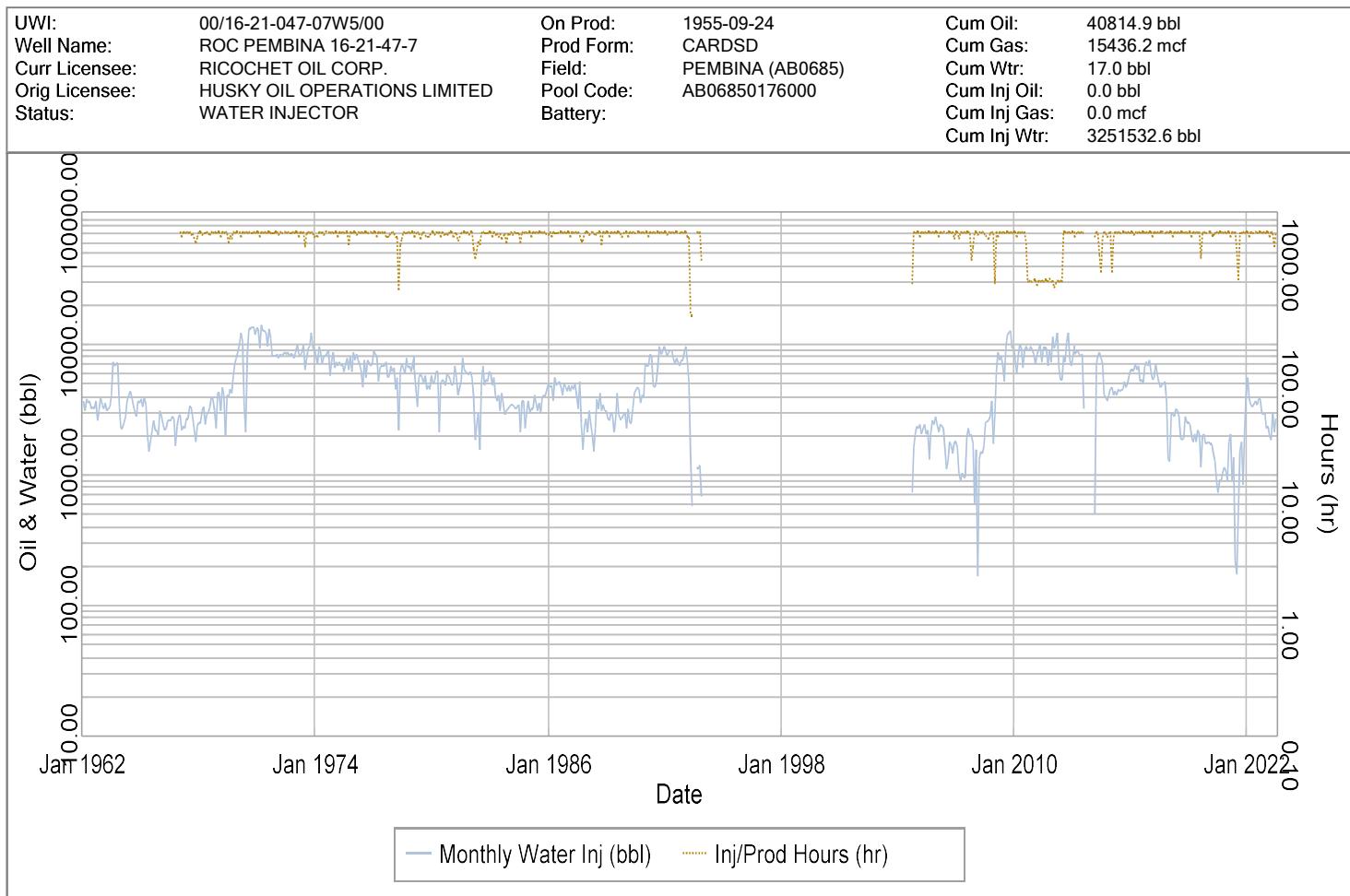
1 COMPENSATED NEUTRON LOG

2 RA UNSPECIFIED

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

On Prod Date:	1955-09-24	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/MMcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d
		Cum Oil + Cond:	40,814.92 bbl
		Cum Gas:	15,436.22 mcf
		Cum Water:	16.99 bbl

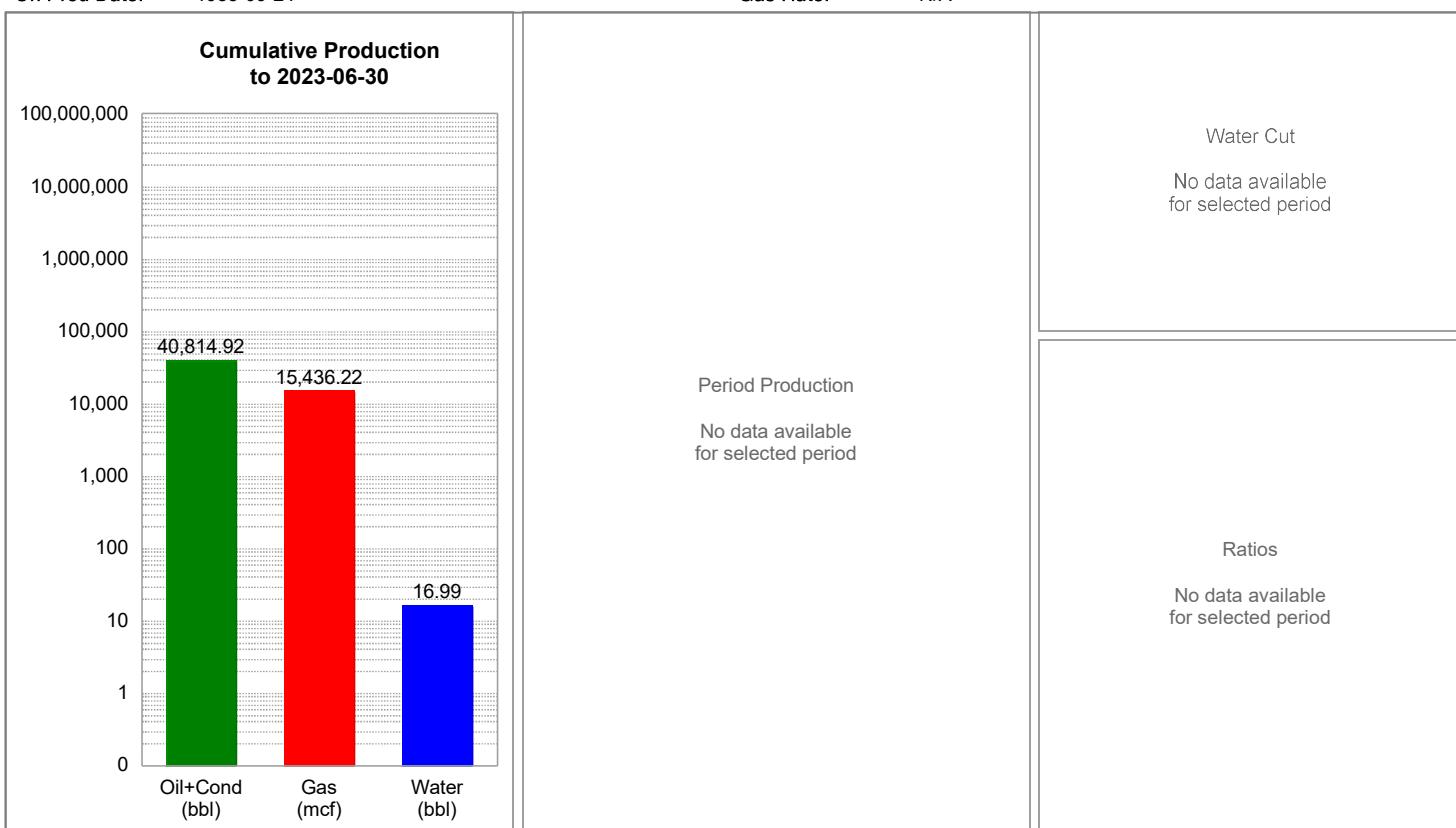
## Production Graph



## Production Summary

UWI: 00/16-21-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-09-24

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-22-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100062204707W500
Mode:	Injection	Bottom Hole Location:	100062204707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1969.2 E2000.0 ft
License		Bottom Hole Coord:	N1969.2 E2000.0 ft
Well Name:	ENERPLUS ET AL A PEM IN 6-22-47-7	Surface Hole Latitude:	53.066824
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.942230
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.066824
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.942230
License Number:	0009212	Dates	
Province/State:	Alberta	License Date:	1955-02-22
Confidential:	Non-Confidential	Spud Date:	1955-03-06
Lahee:	DEVELOPMENT	Final Drill Date:	1955-03-23
Rig Type:	Vertical	Rig Release Date:	1955-03-23
Well Type:	Vertical	Completion Date:	1955-06-25
License Type:		Days Drilled:	17
Well Event Type:	Parent	On Production Date:	1955-06-25
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1997-11-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-11-14
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2952.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5231.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5231.0 ft
Play		Total Depth:	5231.0 ft
Play:	CARDIUM	Plugback Depth:	5137.1 ft
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	1955-02-22	00720000	LICENSED
2	1955-03-06	00730000	SPUDDED
3	1955-03-23	00740000	FINISHED DRILLING
4	1955-03-23	00070000	DRILLED AND CASED
5	1955-06-25	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	1988-06-01	06010300	SUSPENDED WATER INJECTOR
8	1990-01-26	06000300	WATER INJECTOR
9	1992-06-30	06010300	SUSPENDED WATER INJECTOR
10	1997-11-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2952.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1060.0	1060.0	1892.1	1914.0	
BELLYRV	2974.1	2974.1	-22.0	1105.0	
LEAPRK	4079.1	4079.1	-1127.0	425.9	
COLRAD	4504.9	4504.9	-1552.8	519.0	
CARD	5024.0	5024.0	-2071.9	66.9	
CARDSD	5090.9	5090.9	-2138.8	74.1	
BLACKSTN	5165.0	5165.0	-2212.9		

Total TVD: 5231.0 ft Projected Formation: BLACKSTONE

Total Depth: 5231.0 ft Projected Total Depth:

## User Tops (KB Elevation: 2952.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5144.0 ft - 5168.0 ft

Date:

Formation: CARDSD,BLACKSTN

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 49400M3/D (1.745MMCF/D) MAX OIL TO SURFACE: 204.9M3/D (7235.936CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-03-26	JET PERFORATION	5144.0	5168.0	13		
2	1955-06-22	TREATMENT	5144.0	5168.0	0	ACID SQUEEZE	
3	1955-06-22	TREATMENT	5144.0	5168.0	0	FRACTURED	
4	1956-08-22	JET PERFORATION	5106.0	5125.0	13		
5	1958-07-04	TREATMENT	5137.1	5163.1	0	CEMENT PLUG	
6	1958-07-04	TREATMENT	5106.0	5125.0	0	FRACTURED	
7	2004-06-30	TREATMENT	5106.0	5125.0	0	ACID SQUEEZE	
8	2020-10-14	TREATMENT	5059.4	5059.4	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		601.0		601.0	10.748		
2	Production		5230.0	BLACKSTN	5230.0	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

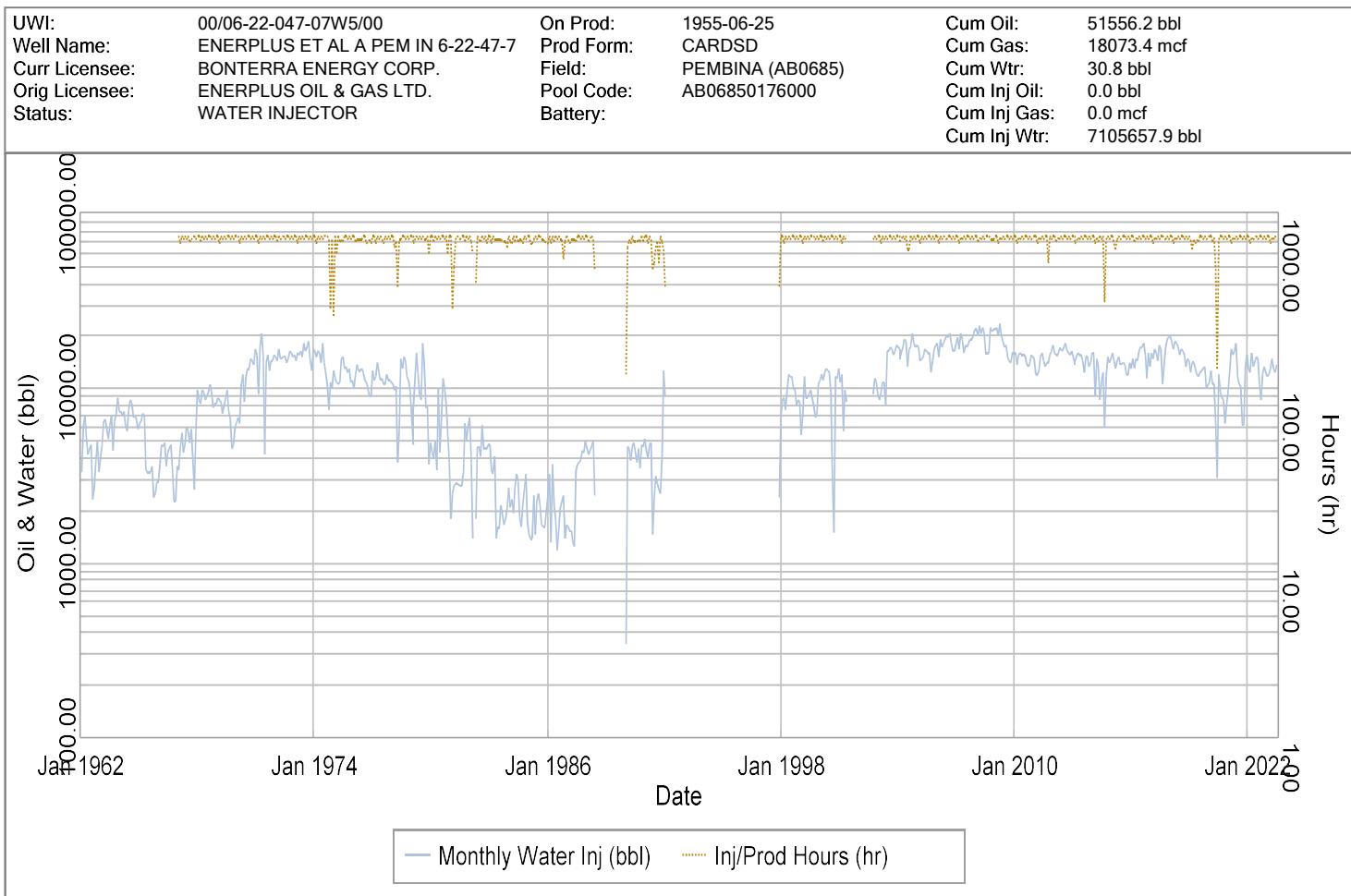
## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	COMPENSATED NEUTRON LOG
4	RA UNSPECIFIED

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

On Prod Date:	1955-06-25	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/MMcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		
		Gas/Day:	0.00 mcf/d

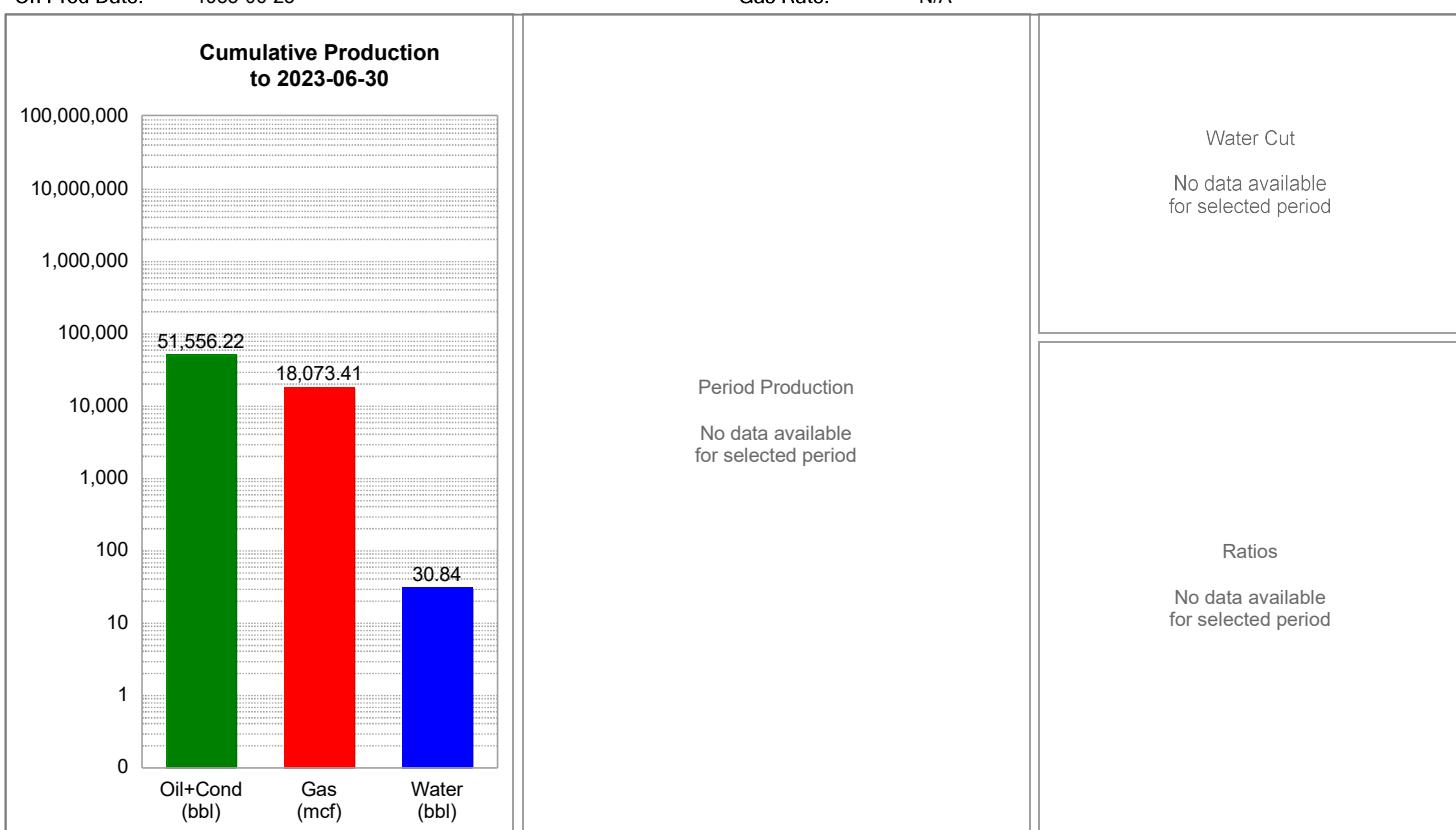
## Production Graph



## Production Summary

UWI: 00/06-22-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-06-25

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-23-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100062304707W500
Mode:	Injection	Bottom Hole Location:	100062304707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1980.0 ft
License		Bottom Hole Coord:	N1980.0 E1980.0 ft
Well Name:	ENERPLUS ET AL A PEM 6-23-47-7	Surface Hole Latitude:	53.066844
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.917983
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.066844
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.917983
License Number:	0010614	Dates	
Province/State:	Alberta	License Date:	1955-12-09
Confidential:	Non-Confidential	Spud Date:	1955-12-23
Lahee:	DEVELOPMENT	Final Drill Date:	1956-01-06
Rig Type:	Vertical	Rig Release Date:	1956-01-06
Well Type:	Vertical	Completion Date:	1956-01-22
License Type:		Days Drilled:	14
Well Event Type:	Parent	On Production Date:	1956-01-22
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	3037.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5297.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5297.9 ft
Play		Total Depth:	5297.9 ft
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	1955-12-09	00720000	LICENSED
2	1955-12-23	00730000	SPUDDED
3	1956-01-06	00740000	FINISHED DRILLING
4	1956-01-06	00070000	DRILLED AND CASED
5	1956-01-22	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 3037.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1109.9	1109.9	1927.2	1910.1	
BELLYRV	3020.0	3020.0	17.1	1111.9	
LEAPRK	4131.9	4131.9	-1094.8	434.1	
COLRAD	4565.9	4565.9	-1528.9	514.1	
CARD	5080.1	5080.1	-2043.0	80.1	
CARDSD	5160.1	5160.1	-2123.0	76.8	
BLACKSTN	5236.9	5236.9	-2199.8		

Total TVD: 5297.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5297.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 3037.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5195.9 ft - 5208.0 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 28600M3/D (1.01MMCF/D) MAX OIL TO SURFACE: 289.4M3/D (10220.009CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-01-09	BULLET PERFORATION	5195.9	5202.1		13	
2	1956-01-09	BULLET PERFORATION	5204.1	5208.0		13	
3	1956-01-15	TREATMENT	5195.9	5208.0	0	ACID SQUEEZE	
4	1956-01-15	TREATMENT	5195.9	5208.0	0	FRACTURED	
5	1956-08-16	JET PERFORATION	5164.0	5189.0	13		
6	1956-08-16	TREATMENT	5164.0	5189.0	0	ACID WASH	
7	1958-06-04	TREATMENT	5188.0	5203.1	0	HYDROMITE SQUEEZE OR PLUG	
8	1958-06-04	TREATMENT	5164.0	5188.0	0	FRACTURED	
9	1958-09-30	TREATMENT	5164.0	5188.0	0	FRACTURED	
10	1960-01-22	TREATMENT	5164.0	5188.0	0	ACID WASH	
11	1960-02-12	TREATMENT	5164.0	5188.0	0	ACID WASH	
12	2009-08-24	TREATMENT	5042.7	5042.7	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		607.9		607.9	10.748		
2	Production		5297.9	BLACKSTN	5297.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

# Method Description

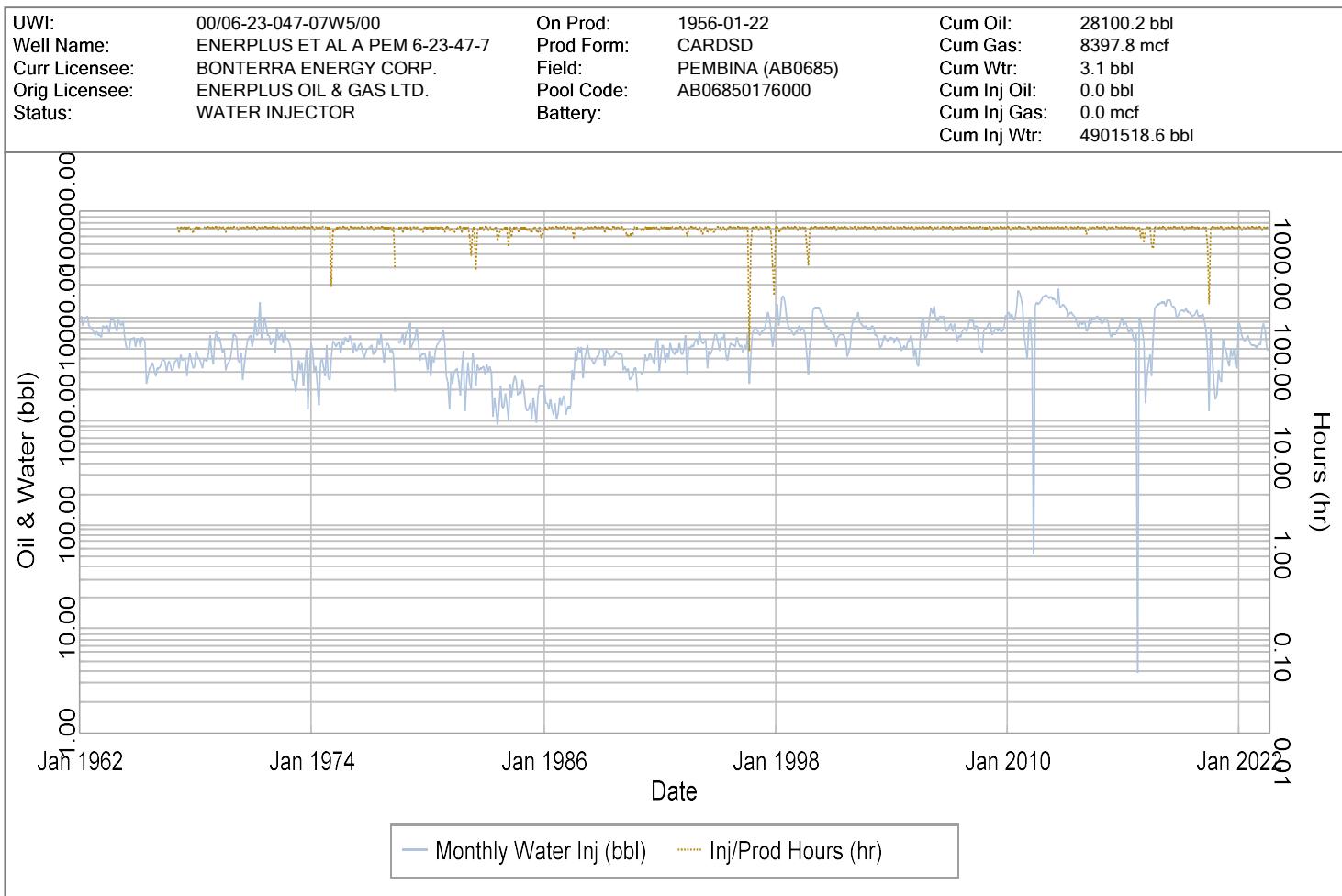
1 COMPENSATED NEUTRON LOG

2 RA UNSPECIFIED

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

On Prod Date:	1956-01-22	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

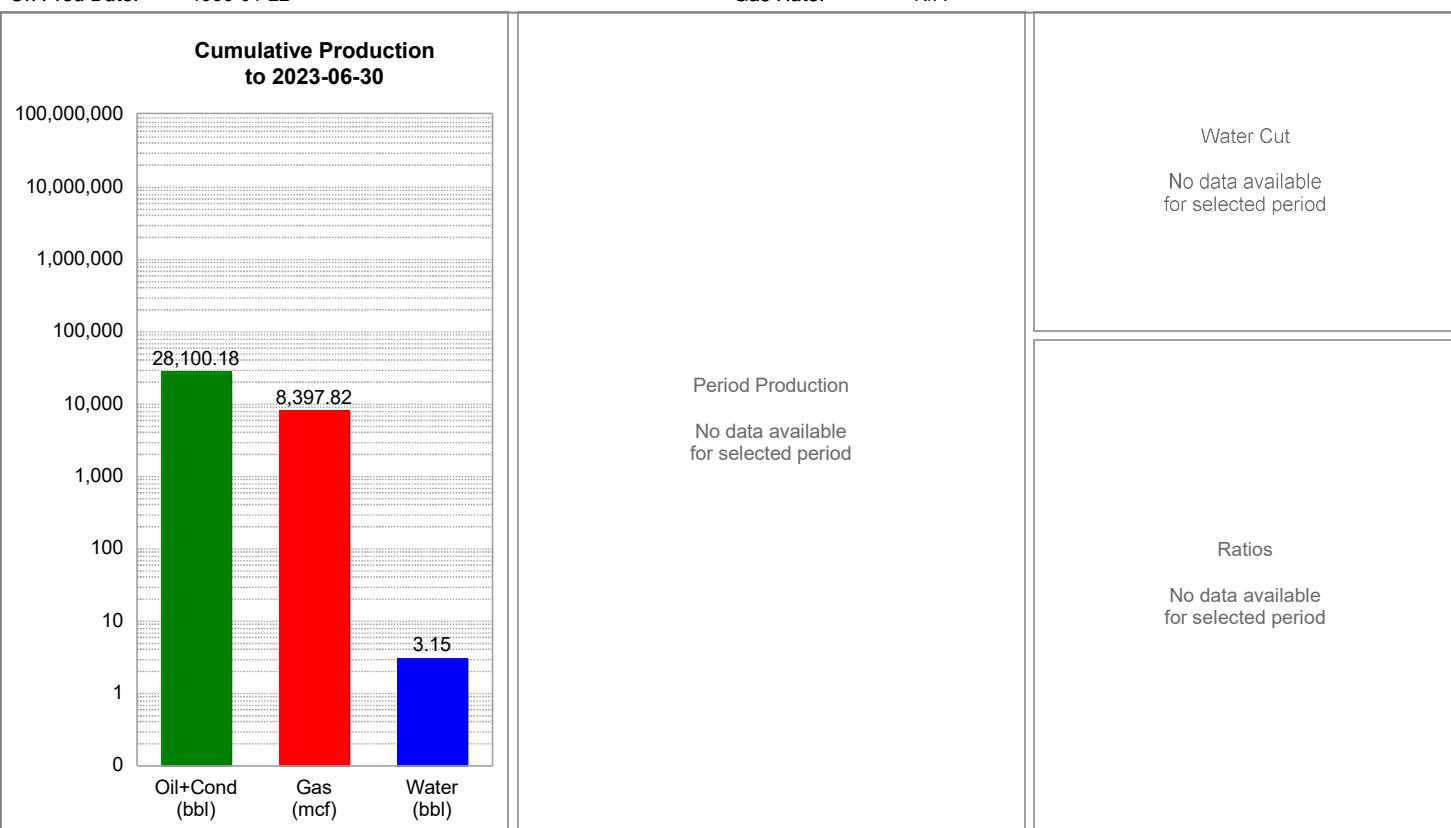
## Production Graph



## Production Summary

UWI: 00/06-23-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-01-22

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-16-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100061604707W500
Mode:	Injection	Bottom Hole Location:	100061604707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1984.9 ft
License		Bottom Hole Coord:	N1980.0 E1984.9 ft
Well Name:	ENERPLUS ET AL A PEM IN 6-16-47-7	Surface Hole Latitude:	53.052410
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.966653
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.052410
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.966653
License Number:	0008611	Dates	
Province/State:	Alberta	License Date:	1954-10-22
Confidential:	Non-Confidential	Spud Date:	1954-10-23
Lahee:	DEVELOPMENT	Final Drill Date:	1954-11-12
Rig Type:	Vertical	Rig Release Date:	1954-11-12
Well Type:	Vertical	Completion Date:	1954-12-01
License Type:		Days Drilled:	20
Well Event Type:	Parent	On Production Date:	1954-12-01
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1990-01-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2891.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2880.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5245.1 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5245.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5245.1 ft
Play		Total Depth:	5245.1 ft
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	1954-10-22	00720000	LICENSED
2	1954-10-23	00730000	SPUDDED
3	1954-11-12	00740000	FINISHED DRILLING
4	1954-11-12	00070000	DRILLED AND CASED
5	1954-12-01	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	1989-11-01	06010300	SUSPENDED WATER INJECTOR
8	1990-01-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2891.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1039.0	1039.0	1852.0	1903.9	48.9
BELLYRV	2942.9	2942.9	-51.8	1107.0	200.5
LEAPRK	4049.9	4049.9	-1158.8	430.1	
COLRAD	4480.0	4480.0	-1588.9	532.2	
CARD	5012.1	5012.1	-2121.1	73.8	32.2
CARDSD	5086.0	5086.0	-2194.9	68.9	1.0
BLACKSTN	5154.9	5154.9	-2263.8		

Total TVD: 5245.1 ft  
 Total Depth: 5245.1 ft

Projected Formation: BLACKSTONE  
 Projected Total Depth:

## User Tops (KB Elevation: 2891.1 ft) - No data

## DSTs and IPs

# of Tests: 2

Test 1: 3979.0 ft - 4000.0 ft

Date: 1954-12-01  
 Formation: BELLYRV,UNDEF  
 Type: UNDEFINED  
 Valve Open: 50 min  
 Shut-in:  
 Flow Pres:  
 Shut-in Pres:  
 Hydro Pres:  
 Comments: RECOVERY: 56.39M (185FT) MUD

IP Test 70: 5130.9 ft - 5145.0 ft

Date:  
 Formation: CARDSD,UNDEF  
 Type: IP - INITIAL POTENTIAL  
 Valve Open: 0 min  
 Flow Pres:  
 Comments: MAX GAS TO SURFACE: 44400M3/D (1.568MMCF/D) MAX OIL TO SURFACE: 51.2M3/D (1808.101CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	3980.0	4000.0	20.0
2		Diamond, conventional	5072.2	5089.9	18.0
3		Diamond, conventional	5089.9	5120.1	30.2
4		Diamond, conventional	5120.1	5135.2	15.1

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1954-11-16	JET PERFORATION	5130.9	5145.0	13		
2	1954-11-25	TREATMENT	5130.9	5145.0	0	ACID SQUEEZE	
3	1954-11-25	TREATMENT	5130.9	5145.0	0	FRACTURED	
4	1956-02-17	TREATMENT	5130.9	5145.0	0	ACID SQUEEZE	
5	1956-02-17	TREATMENT	5130.9	5145.0	0	FRACTURED	
6	1956-06-12	JET PERFORATION	5105.0	5116.1	16		
7	1956-06-12	TREATMENT	5105.0	5116.1	0	ACID SQUEEZE	
8	1956-06-12	TREATMENT	5105.0	5116.1	0	FRACTURED	
9	1956-06-14	JET PERFORATION	5095.1	5100.1	16		
10	1956-06-14	TREATMENT	5095.1	5100.1	0	ACID SQUEEZE	
11	1956-06-14	TREATMENT	5095.1	5100.1	0	FRACTURED	
12	1960-01-27	TREATMENT	5095.1	5145.0	0	ACID WASH	
13	2005-01-23	JET PERFORATION	5085.3	5123.0	20		
14	2005-01-24	TREATMENT	5085.3	5145.0	0	ACID SQUEEZE	
15	2005-01-25	TREATMENT	5069.2	5069.2	0	PACKER-BRIDGE PLUG	
16	2014-10-27	TREATMENT	5085.3	5145.0	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		608.9		608.9	10.748		
2	Production		5245.1	BLACKSTN	5245.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

# Method Description
1 CALIPER
2 ELECTRIC LOG
3 MICRO LOG

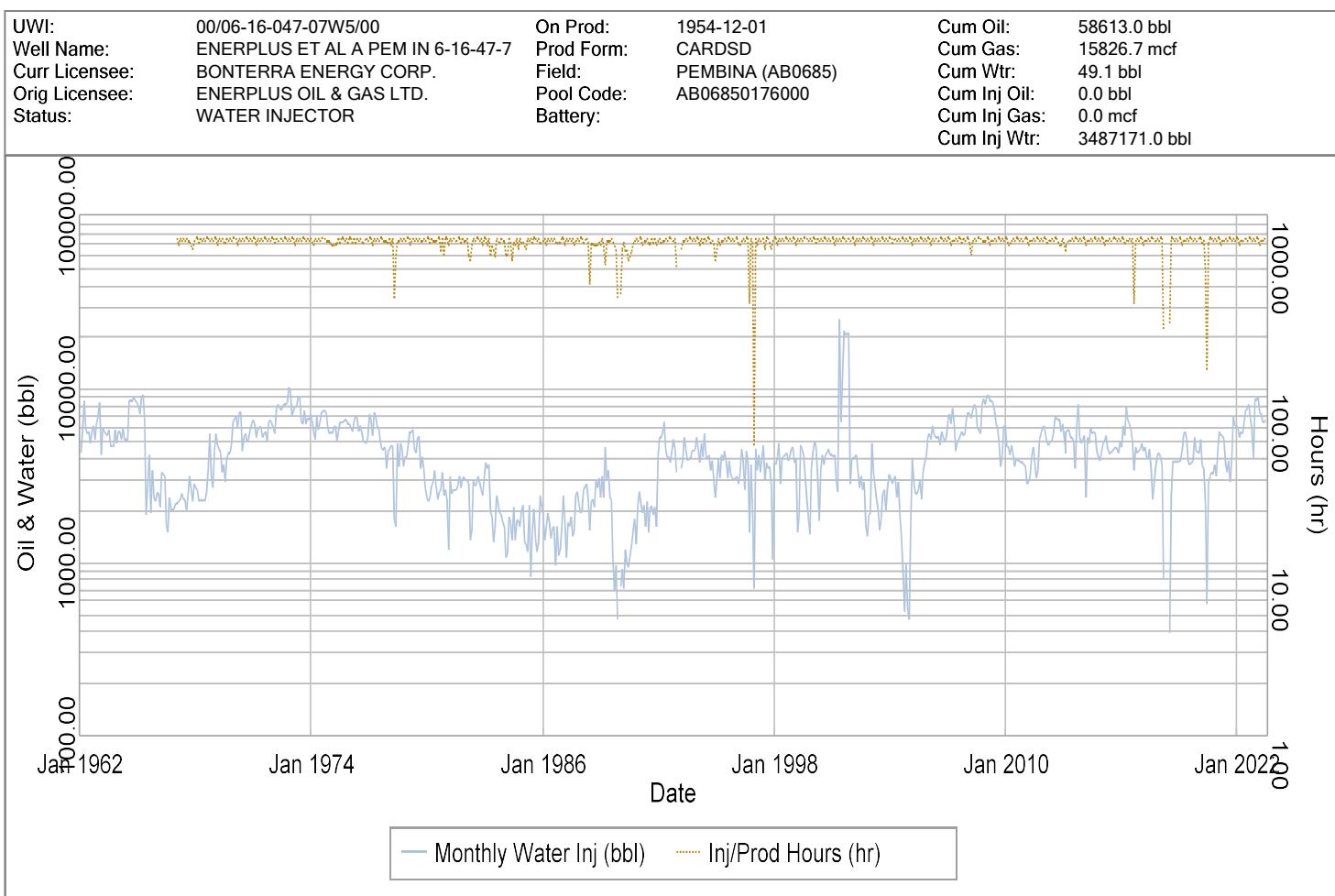
## Logs Run - Continued

#	Method Description
4	COMPENSATED NEUTRON LOG
5	RA UNSPECIFIED
6	TEMPERATURE

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

On Prod Date:	1954-12-01	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

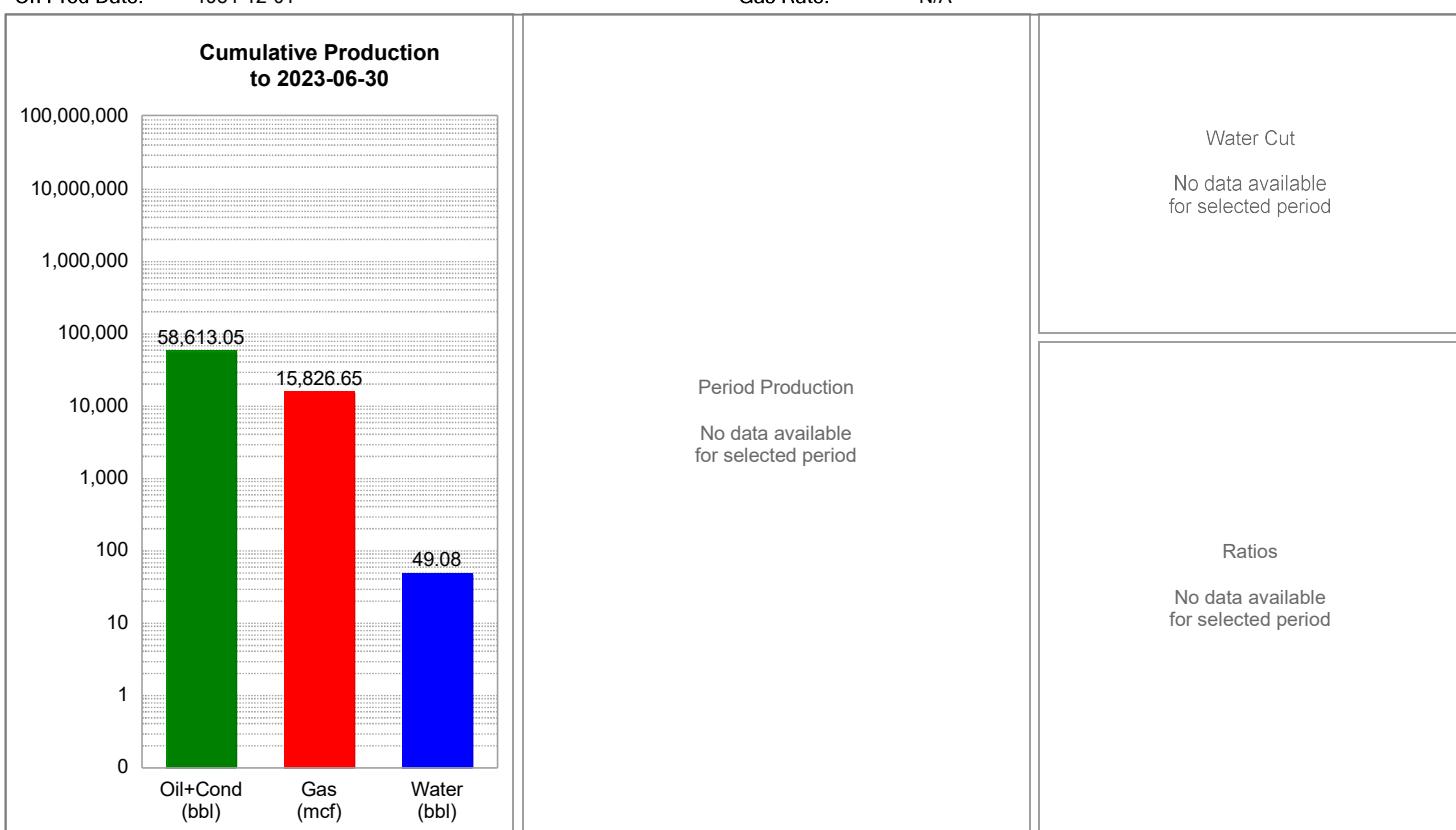
## Production Graph



## Production Summary

UWI: 00/06-16-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1954-12-01

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-15-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100061504707W500
Mode:	Injection	Bottom Hole Location:	100061504707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1980.0 ft
License		Bottom Hole Coord:	N1980.0 E1980.0 ft
Well Name:	ENERPLUS ET AL PEM 6-15-47-7	Surface Hole Latitude:	53.052401
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.942347
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.052401
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.942347
License Number:	0007578	Dates	
Province/State:	Alberta	License Date:	1954-01-12
Confidential:	Non-Confidential	Spud Date:	1954-01-17
Lahee:	NEW FIELD WILDCAT	Final Drill Date:	1954-02-12
Rig Type:	Vertical	Rig Release Date:	1954-02-12
Well Type:	Vertical	Completion Date:	1954-02-24
License Type:		Days Drilled:	26
Well Event Type:	Parent	On Production Date:	1954-02-24
Purpose:		On Injection Date:	1975-04-16
Well Objective:		Last Prod Date:	1973-01-16
Surface Abandon Type:		Current Status Date:	1979-10-17
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	JOLI FOU	Last Update Date:	2022-02-25
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	JOLI FOU	KB Elevation:	2990.2 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	6259.8 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	6259.8 ft
Drilling Rig Number:		Total True Vertical Depth:	6259.8 ft
Play		Total Depth:	6259.8 ft
Play:	CARDIUM	Plugback Depth:	5200.1 ft
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	1954-01-12	00720000	LICENSED
2	1954-01-17	00730000	SPUDDED
3	1954-02-12	00740000	FINISHED DRILLING
4	1954-02-12	00070000	DRILLED AND CASED
5	1954-02-24	01100000	FLOWING OIL
6	1966-11-10	01110000	PUMPING OIL
7	1975-04-16	000000500	OBSERVATION
8	1979-10-17	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2990.2 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1133.9	1133.9	1856.3	1891.1	55.4
BELLYRV	3024.9	3024.9	-34.8	1114.2	173.2
LEAPRK	4139.1	4139.1	-1149.0	427.8	
COLRAD	4566.9	4566.9	-1576.8	528.2	
CARD	5095.1	5095.1	-2105.0	71.9	
CARDSD	5167.0	5167.0	-2176.8	75.1	42.0
BLACKSTN	5242.1	5242.1	-2252.0	421.9	
2WSPK	5664.0	5664.0	-2673.9	384.8	
BFSC	6048.9	6048.9	-3058.7	110.2	
VIK	6159.1	6159.1	-3169.0	88.9	
JOLIFU	6248.0	6248.0	-3257.9		

Total TVD:  
Total Depth:6259.8 ft  
6259.8 ftProjected Formation:  
Projected Total Depth:

User Tops (KB Elevation: 2990.2 ft) - No data

DSTs and IPs

# of Tests: 7

Test 1: 3341.9 ft - 3394.0 ft

Date: 1954-02-24  
 Formation: BELLYRV,UNDEF  
 Type: UNDEFINED  
 Valve Open: 45 min  
 Shut-in:  
 Flow Pres:  
 Shut-in Pres:  
 Hydro Pres:  
 Comments: RECOVERY: 7.62M (25FT) MUD

Test 2: 3544.9 ft - 3640.1 ft

Date: 1954-02-24  
 Formation: BELLYRV,UNDEF  
 Type: UNDEFINED  
 Valve Open: 60 min  
 Shut-in: 0 min  
 Flow Pres:  
 Shut-in Pres: 749 PSI  
 Hydro Pres:  
 Comments: RECOVERY: 39.62M (130FT) OIL CUT MUD MAX GAS TO SURFACE: 4564.19M3/D (.161MMCF/D)

Test 3: 3640.1 ft - 3690.0 ft

Date: 1954-02-24  
 Formation: BELLYRV,UNDEF  
 Type: UNDEFINED  
 Valve Open: 30 min  
 Shut-in: 0 min  
 Flow Pres:  
 Shut-in Pres: 675 PSI  
 Hydro Pres:  
 Comments: RECOVERY: 205.74M (675FT) OIL CUT MUD

Test 4: 5158.1 ft - 5192.9 ft

Date: 1954-02-24  
 Formation: CARD,CARDSD  
 Type: UNDEFINED  
 Valve Open: 45 min  
 Shut-in: 45 min  
 Flow Pres: 0 / 1099 PSI  
 Shut-in Pres: 3634 PSI  
 Hydro Pres:  
 Comments: RECOVERY: 409.96M (1345FT) OIL

Test 5: 5192.9 ft - 5223.1 ft

Date: 1954-02-24  
 Formation: CARDSD,UNDEF  
 Type: UNDEFINED  
 Valve Open: 60 min  
 Shut-in: 15 min  
 Flow Pres: 0 / 24 PSI  
 Shut-in Pres: 1499 PSI  
 Hydro Pres:  
 Comments: RECOVERY: 7.62M (25FT) GAS CUT MUD

Test 6: 6153.9 ft - 6190.9 ft

Date: 1954-02-24  
 Formation: BFSC,VIK  
 Type: UNDEFINED  
 Valve Open: 60 min  
 Shut-in: 15 min  
 Flow Pres: 0 / 24 PSI  
 Shut-in Pres: 1499 PSI  
 Hydro Pres:  
 Comments: RECOVERY: 7.62M (25FT) GAS CUT MUD

IP Test 70: 5193.9 ft - 5214.9 ft

Date:  
 Formation: CARDSD,UNDEF

## DSTs and IPs - Continued

IP Test 70: 5193.9 ft - 5214.9 ft	
Type:	IP - PRODUCTION TEST
Valve Open:	0 min
Flow Pres:	
Comments:	MAX GAS TO SURFACE: 46500M3/D (1.642MMCF/D) MAX OIL TO SURFACE: 41.3M3/D (1458.488CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5149.9	5171.9	22.0
2		Diamond, conventional	5172.9	5192.9	20.0
3		Diamond, conventional	5192.9	5223.1	29.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1954-02-17	JET PERFORATION	5193.9	5214.9	13		
2	1954-03-01	JET PERFORATION	5166.0	5174.9	0		
3	1954-03-01	JET PERFORATION	5178.1	5182.1	0		
4	1957-03-30	TREATMENT	5166.0	5214.9	0	ACID WASH	
5	1958-06-27	TREATMENT	5200.1	5212.9	0	HYDROMITE SQUEEZE OR PLUG	
6	1958-06-27	TREATMENT	5166.0	5200.1	0	FRACTURED	
7	1966-11-01	TREATMENT	5166.0	5200.1	0	ACID SQUEEZE	
8	1992-12-10	TREATMENT	5166.0	5214.9	0	ACID SQUEEZE	
9	1997-03-10	JET PERFORATION	5166.0	5185.4	13		
10	1997-03-10	TREATMENT	5166.0	5185.4	0	FRACTURED	
11	2004-08-23	JET PERFORATION	5166.0	5174.9	17		
12	2004-08-23	JET PERFORATION	5177.2	5183.7	17		
13	2004-08-24	TREATMENT	5166.0	5214.9	0	ACID SQUEEZE	
14	2004-08-25	TREATMENT	5134.5	5134.5	0	PACKER-BRIDGE PLUG	
15	2008-09-08	TREATMENT	5166.0	5200.1	0	ACID SQUEEZE	
16	2013-04-10	TREATMENT	5166.0	5200.1	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		602.0		602.0	10.748		
2	Production		5279.9	BLACKSTN	5279.9	7.000		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Weight (lb/ft)	Linear Weight (lb/ft)			
1	Surface							
2	Production							

## Casing Cements - No data

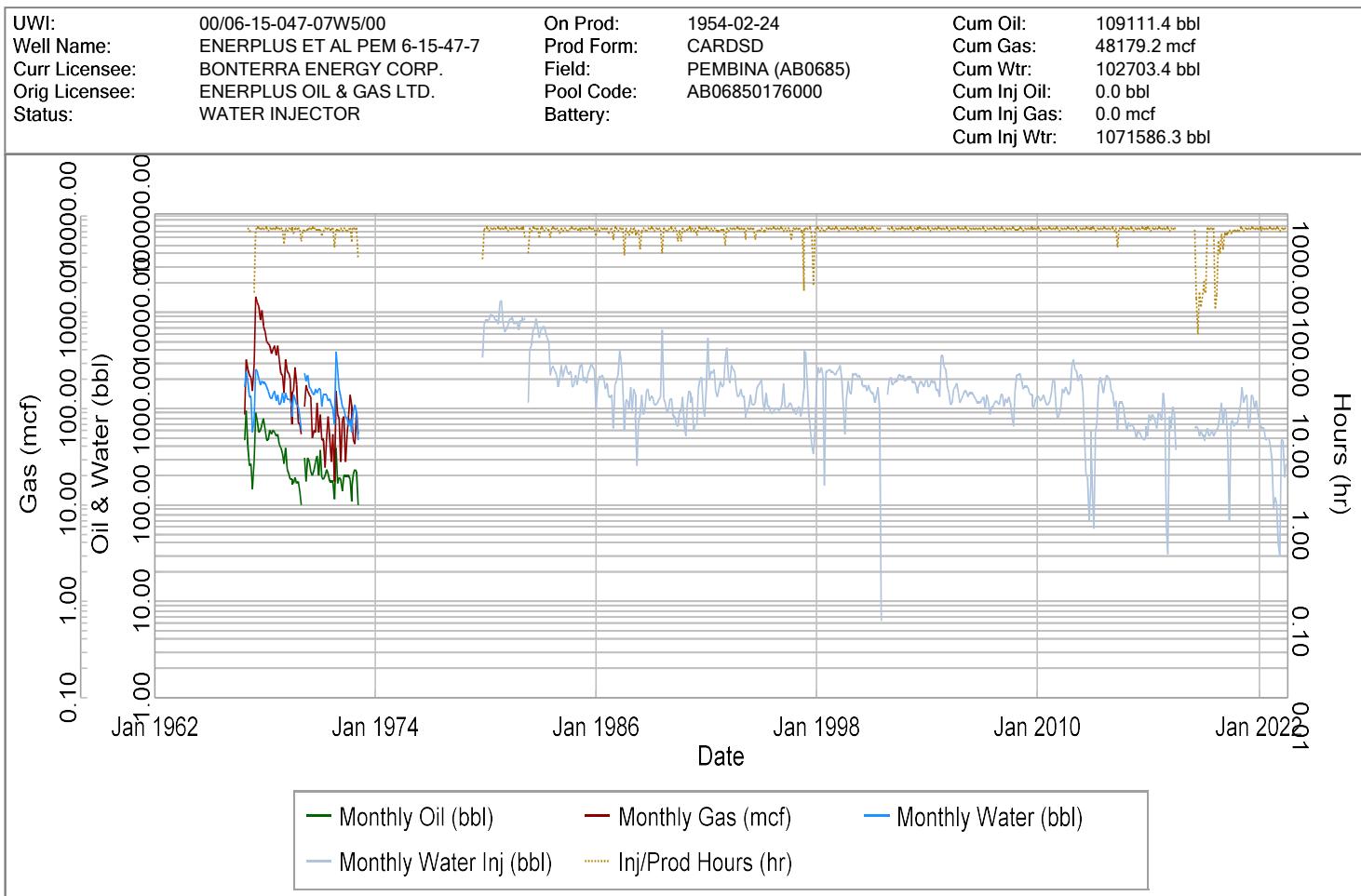
## Logs Run

#	Method Description
1	ELECTRIC LOG
2	GAMMA RAY
3	MICRO LOG
4	COMPENSATED NEUTRON LOG
5	PERFORATION LOG
6	RA UNSPECIFIED

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

On Prod Date:	1954-02-24	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

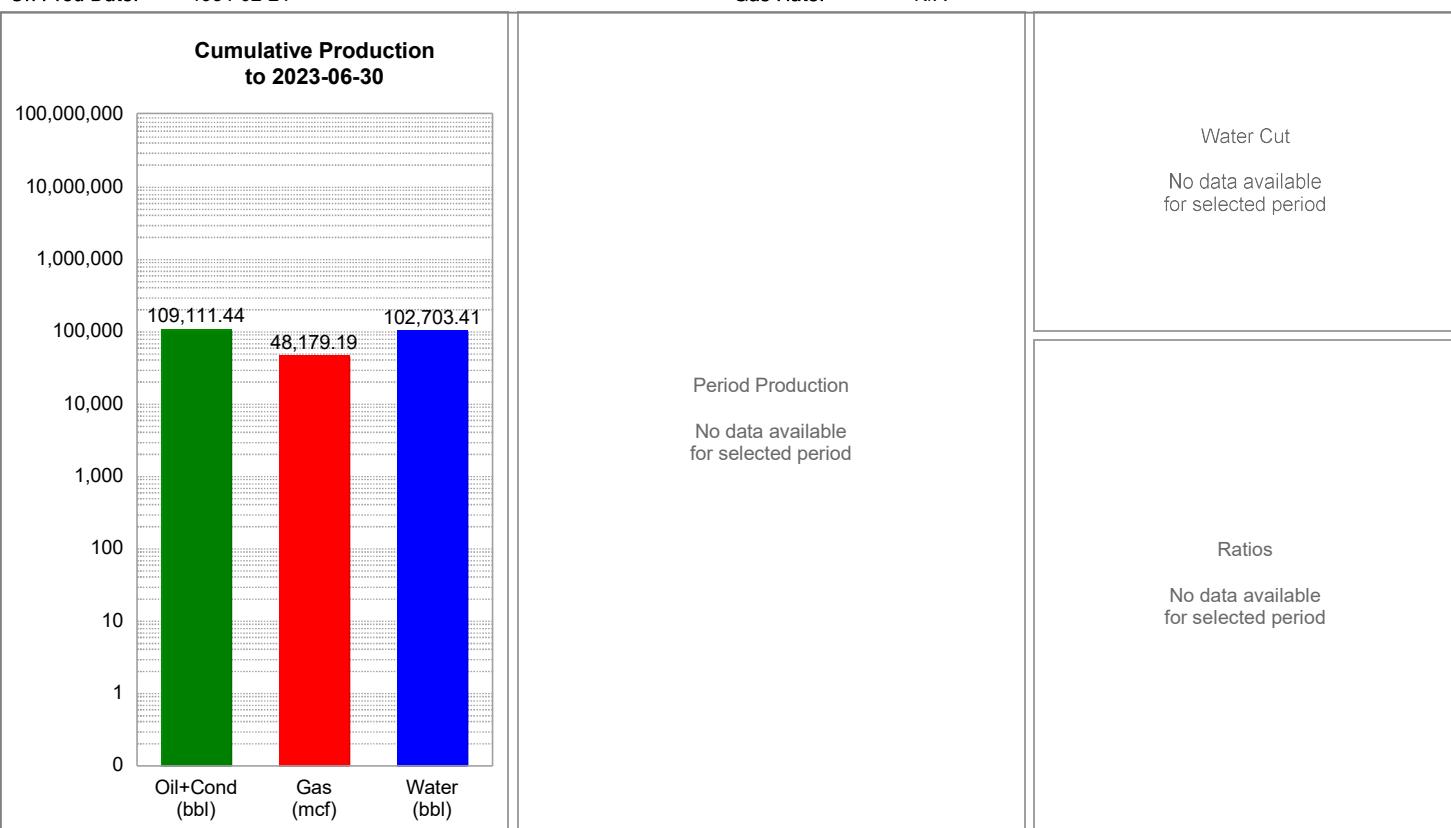
## Production Graph



## Production Summary

UWI: 00/06-15-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1954-02-24

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-16-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100081604707W500
Mode:	Injection	Bottom Hole Location:	100081604707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 8-16-47-7	Surface Hole Latitude:	53.052406
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.954647
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.052406
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.954647
License Number:	0008705	Dates	
Province/State:	Alberta	License Date:	1954-11-12
Confidential:	Non-Confidential	Spud Date:	1954-12-07
Lahee:	DEVELOPMENT	Final Drill Date:	1954-12-19
Rig Type:	Vertical	Rig Release Date:	1954-12-19
Well Type:	Vertical	Completion Date:	1955-01-11
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-01-11
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2932.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5264.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5264.1 ft
Play		Total Depth:	5264.1 ft
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	1954-11-12	00720000	LICENSED
2	1954-12-07	00730000	SPUDDED
3	1954-12-19	00740000	FINISHED DRILLING
4	1954-12-19	00070000	DRILLED AND CASED
5	1955-01-11	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2932.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1069.9	1069.9	1862.2	1900.3	
BELLYRV	2970.1	2970.1	-38.1	1107.0	
LEAPRK	4077.1	4077.1	-1145.0	429.8	
COLRAD	4506.9	4506.9	-1574.8	531.2	
CARD	5038.1	5038.1	-2106.0	71.9	
CARDSD	5109.9	5109.9	-2177.8	60.0	
BLACKSTN	5169.9	5169.9	-2237.9		

Total TVD: 5264.1 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5264.1 ft      Projected Total Depth:

## User Tops (KB Elevation: 2932.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5158.1 ft - 5182.1 ft

Date:  
Formation: CARDSD,BLACKSTN  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX OIL TO SURFACE: 22.9M3/D (808.701CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1954-12-23	JET PERFORATION	5158.1	5168.0	13		
2	1954-12-23	JET PERFORATION	5178.1	5182.1	13		
3	1955-01-04	TREATMENT	5158.1	5182.1	0	ACID SQUEEZE	
4	1958-03-29	TREATMENT	5158.1	5182.1	0	FRACTURED	
5	2013-10-31	TREATMENT	5158.1	5182.1	0	ACID SQUEEZE	
6	2017-02-16	TREATMENT	5103.3	5103.3	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type (in)
1	Surface		616.1		616.1	10.748		
2	Production		5264.1	BLACKSTN	5264.1	5.500		

#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)
1	Surface			
2	Production			

## Casing Cements - No data

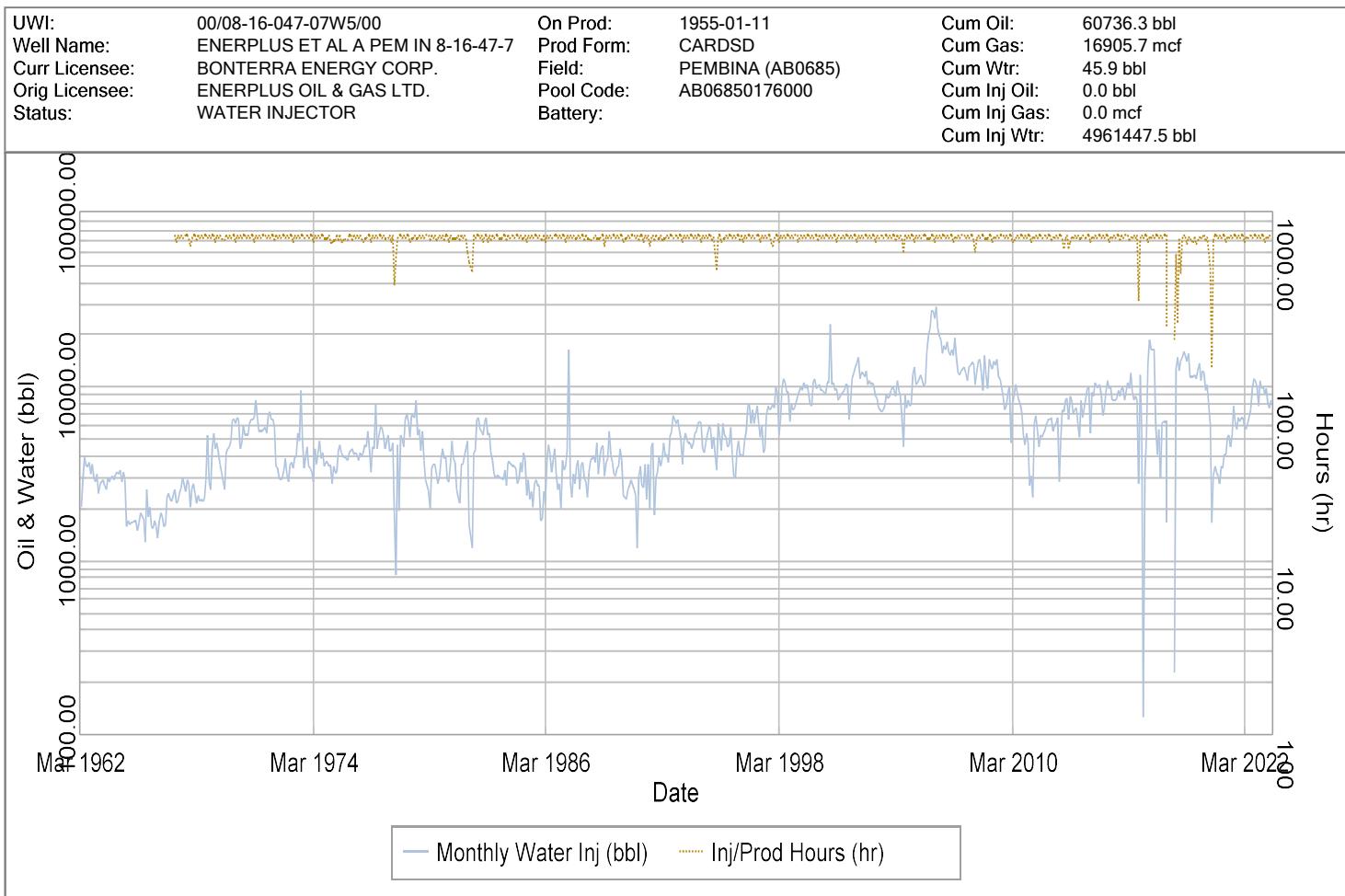
## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	MICRO LOG
4	COMPENSATED NEUTRON LOG
5	RA UNSPECIFIED
6	TEMPERATURE

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

On Prod Date:	1955-01-11	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		
		Gas/Day:	0.00 mcf/d
		Cum Oil + Cond:	60,736.26 bbl
		Cum Gas:	16,905.66 mcf
		Cum Water:	45.94 bbl

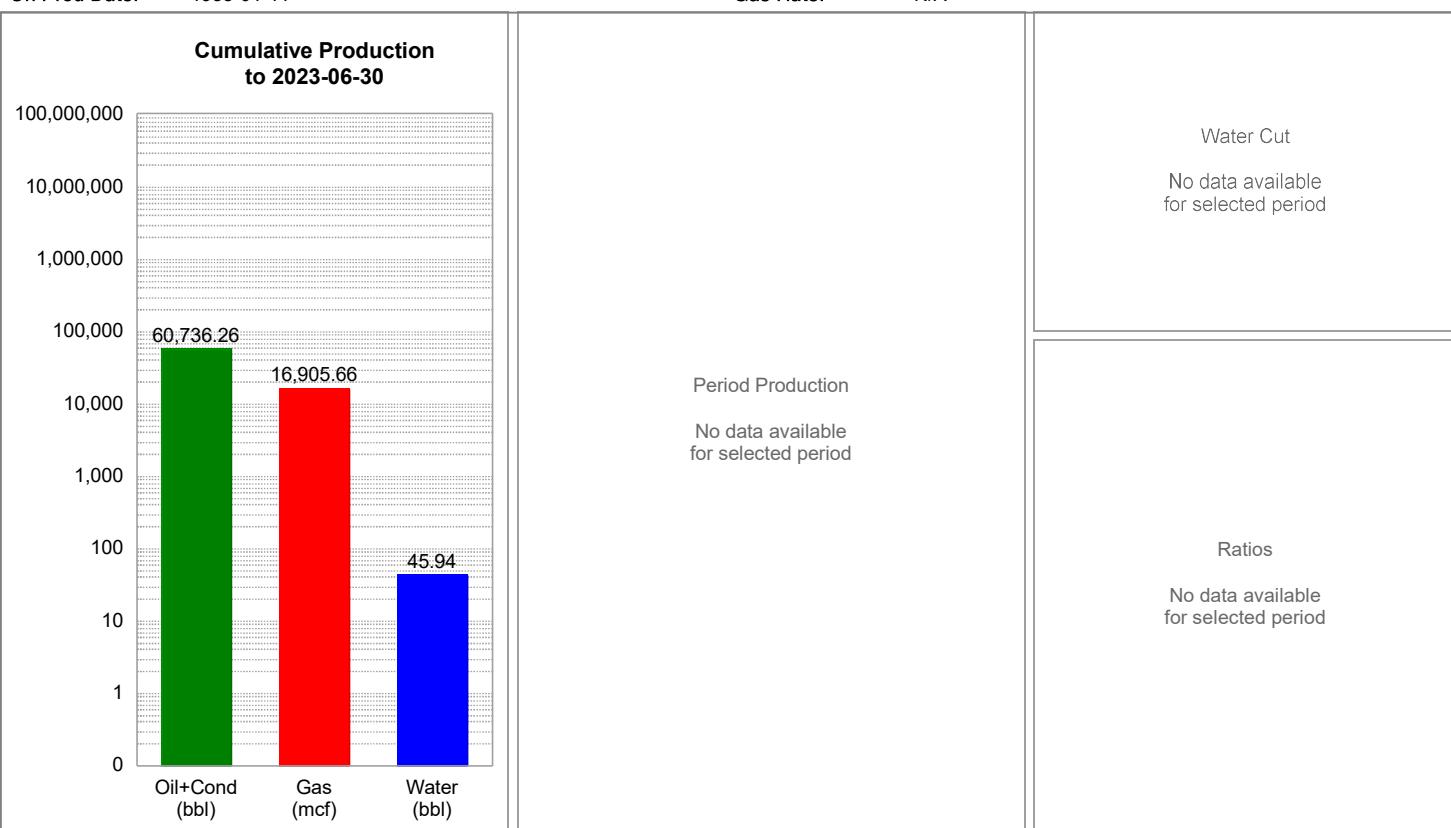
## Production Graph



## Production Summary

UWI: 00/08-16-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-01-11

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-16-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100141604707W500
Mode:	Injection	Bottom Hole Location:	100141604707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 E1984.9 ft
License		Bottom Hole Coord:	S660.1 E1984.9 ft
Well Name:	ENERPLUS ET AL A PEM IN 14-16-47-7	Surface Hole Latitude:	53.059629
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.966641
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.059629
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.966641
License Number:	0008614	Dates	
Province/State:	Alberta	License Date:	1954-10-22
Confidential:	Non-Confidential	Spud Date:	1954-10-25
Lahee:	DEVELOPMENT	Final Drill Date:	1954-11-08
Rig Type:	Vertical	Rig Release Date:	1954-11-08
Well Type:	Vertical	Completion Date:	1954-11-26
License Type:		Days Drilled:	14
Well Event Type:	Parent	On Production Date:	1954-11-26
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2888.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2878.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5200.1 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5200.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5200.1 ft
Play		Total Depth:	5200.1 ft
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	1954-10-22	00720000	LICENSED
2	1954-10-25	00730000	SPUDDED
3	1954-11-08	00740000	FINISHED DRILLING
4	1954-11-08	00070000	DRILLED AND CASED
5	1954-11-26	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2888.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	995.1	995.1	1893.0	1928.8	
BELLYRV	2923.9	2923.9	-35.8	1109.3	
LEAPRK	4033.1	4033.1	-1145.0	428.8	
COLRAD	4461.9	4461.9	-1573.8	525.9	
CARD	4987.9	4987.9	-2099.7	67.3	
CARDSD	5055.1	5055.1	-2167.0	78.7	
BLACKSTN	5133.9	5133.9	-2245.7		

Total TVD: 5200.1 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5200.1 ft      Projected Total Depth:

## User Tops (KB Elevation: 2888.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5086.0 ft - 5096.1 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 17200M3/D (.607MMCF/D) MAX OIL TO SURFACE: 20.2M3/D (713.352CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5045.9	5106.0	60.0

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1954-11-16	JET PERFORATION	5086.0	5096.1	13		
2	1954-11-24	TREATMENT	5086.0	5096.1	0	ACID WASH	
3	1954-11-24	TREATMENT	5086.0	5096.1	0	FRACTURED	
4	1956-06-22	JET PERFORATION	5061.0	5077.1	13		
5	1956-06-22	TREATMENT	5061.0	5077.1	0	ACID SQUEEZE	
6	1956-06-22	TREATMENT	5061.0	5077.1	0	FRACTURED	
7	2017-03-06	TREATMENT	5042.0	5042.0	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		613.8		613.8	10.748		
2	Production		5196.9	BLACKSTN	5196.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

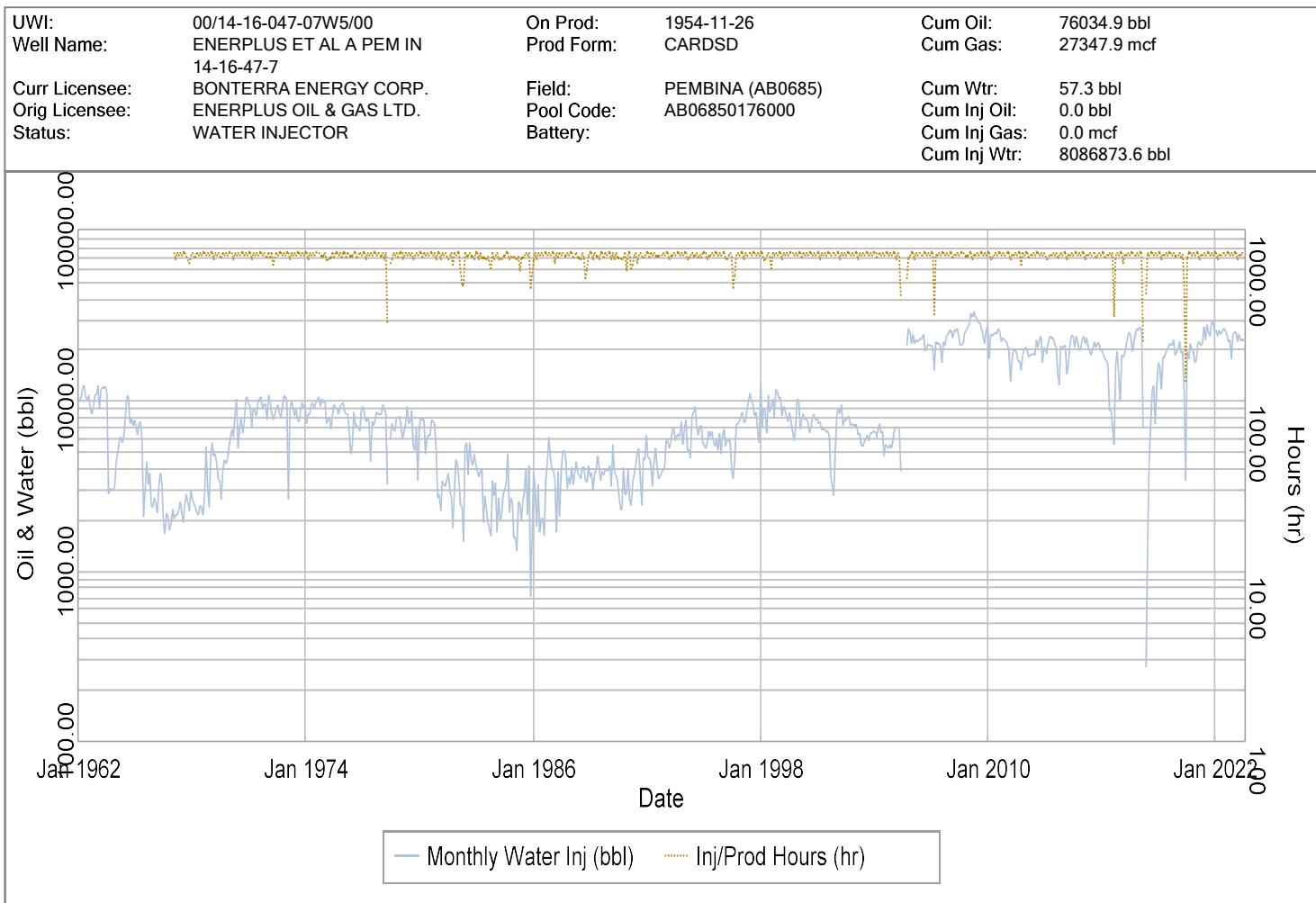
## Logs Run

#	Method Description
1	CALIPER
2	DIRECTIONAL/INCLINOMETER/DRIFT
3	ELECTRIC LOG
4	MICRO LOG
5	PERFORATION LOG
6	TEMPERATURE

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

On Prod Date:	1954-11-26	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d
			Cum Oil + Cond: 76,034.86 bbl	
			Cum Gas: 27,347.92 mcf	
			Cum Water: 57.27 bbl	

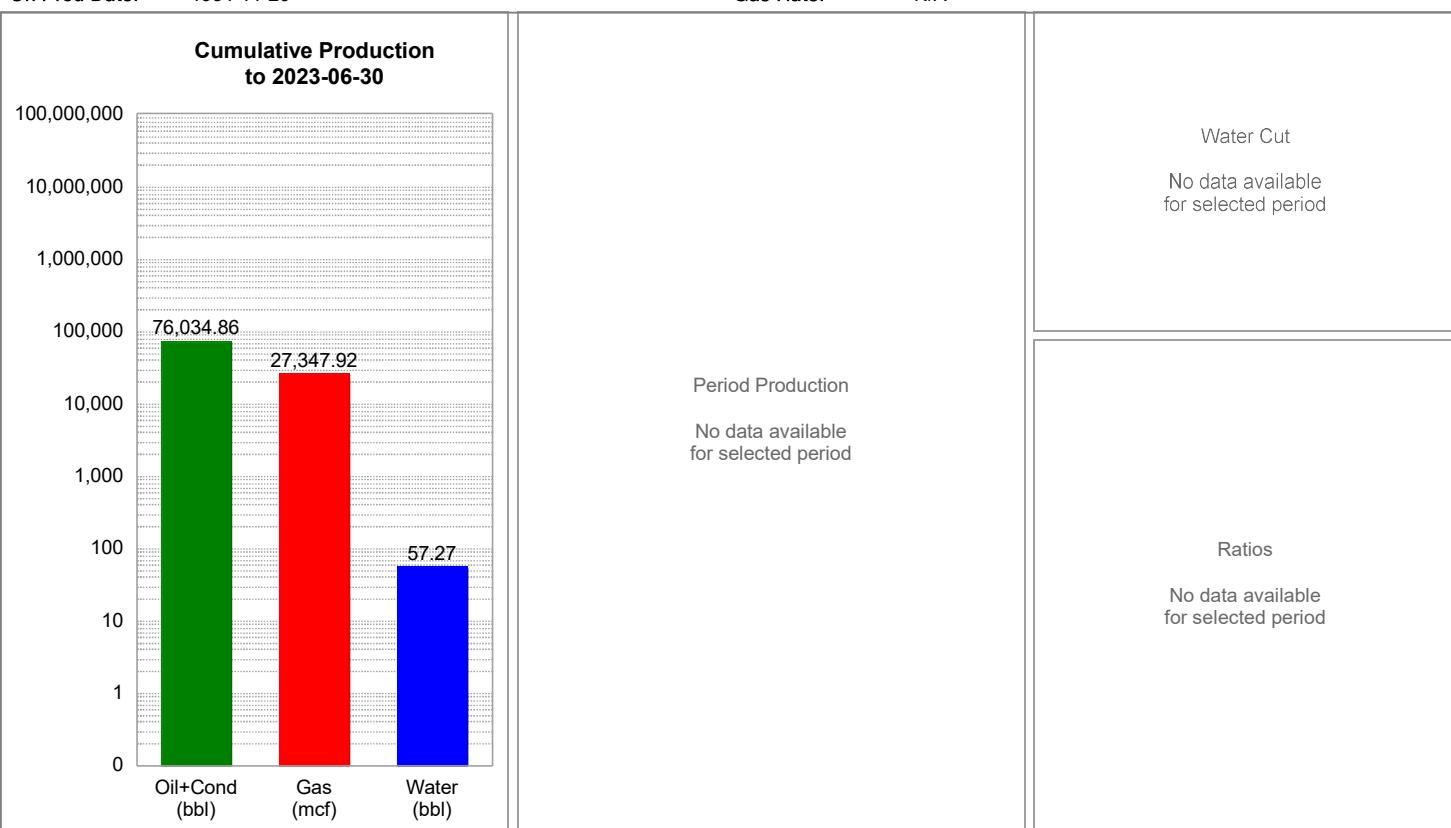
## Production Graph



## Production Summary

UWI: 00/14-16-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1954-11-26

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/16-15-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100161504707W500
Mode:	Injection	Bottom Hole Location:	100161504707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 W662.1 ft
License		Bottom Hole Coord:	S660.1 W662.1 ft
Well Name:	ENERPLUS ET AL A PEM 1N 16-15-47-7	Surface Hole Latitude:	53.059618
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.930324
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.059618
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.930324
License Number:	0008807	Dates	
Province/State:	Alberta	License Date:	1954-11-30
Confidential:	Non-Confidential	Spud Date:	1954-12-06
Lahee:	DEVELOPMENT	Final Drill Date:	1954-12-19
Rig Type:	Vertical	Rig Release Date:	1954-12-19
Well Type:	Vertical	Completion Date:	1955-01-05
License Type:		Days Drilled:	13
Well Event Type:	Parent	On Production Date:	1955-01-05
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	3044.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5330.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5330.1 ft
Play		Total Depth:	5330.1 ft
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	1954-11-30	00720000	LICENSED
2	1954-12-06	00730000	SPUDDED
3	1954-12-19	00740000	FINISHED DRILLING
4	1954-12-19	00070000	DRILLED AND CASED
5	1955-01-05	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 3044.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1157.2	1157.2	1886.8	1906.8	
BELLYRV	3064.0	3064.0	-20.0	1103.0	
LEAPRK	4167.0	4167.0	-1123.0	433.1	
COLRAD	4600.1	4600.1	-1556.1	523.0	
CARD	5123.0	5123.0	-2079.1	66.9	
CARDSD	5190.0	5190.0	-2146.0	72.2	
BLACKSTN	5262.1	5262.1	-2218.2		

Total TVD: 5330.1 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5330.1 ft      Projected Total Depth:

## User Tops (KB Elevation: 3044.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5233.9 ft - 5255.9 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 56000M3/D (1.978MMCF/D) MAX OIL TO SURFACE: 61.1M3/D (2157.714CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1954-12-23	JET PERFORATION	5233.9	5246.1	13		
2	1954-12-23	JET PERFORATION	5252.0	5255.9	13		
3	1955-01-02	TREATMENT	5233.9	5255.9	0	FRACTURED	
4	1956-08-23	JET PERFORATION	5193.9	5223.1	13		
5	1956-08-23	TREATMENT	5193.9	5255.9	0	ACID SQUEEZE	
6	1958-03-04	TREATMENT	5233.9	5255.9	0	ACID WASH	
7	1958-03-04	TREATMENT	5233.9	5255.9	0	FRACTURED	
8	2001-10-02	JET PERFORATION	5183.7	5214.9	17		
9	2001-10-03	TREATMENT	5183.7	5255.9	0	CHEMICAL SQUEEZE	
10	2001-10-04	TREATMENT	5183.7	5255.9	0	FRACTURED	
11	2004-06-07	TREATMENT	5183.7	5255.9	0	ACID SQUEEZE	
12	2007-10-31	TREATMENT	5127.3	5127.3	0	PACKER-BRIDGE PLUG	
13	2013-11-07	TREATMENT	5183.7	5255.9	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		621.1		621.1	10.748		
2	Production		5330.1	BLACKSTN	5330.1	5.500		
3	Liner	3096.1	4240.5	LEAPRK	4240.5	4.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							
3	Liner	J	8	9.5				

## Casing Cements

#	Cement #	Tubing Type	Amount	Amount UOM	Cement Type	Recement Indicator	Stage #
3	1	Liner	0.0		UnCem CSG/Liner		0

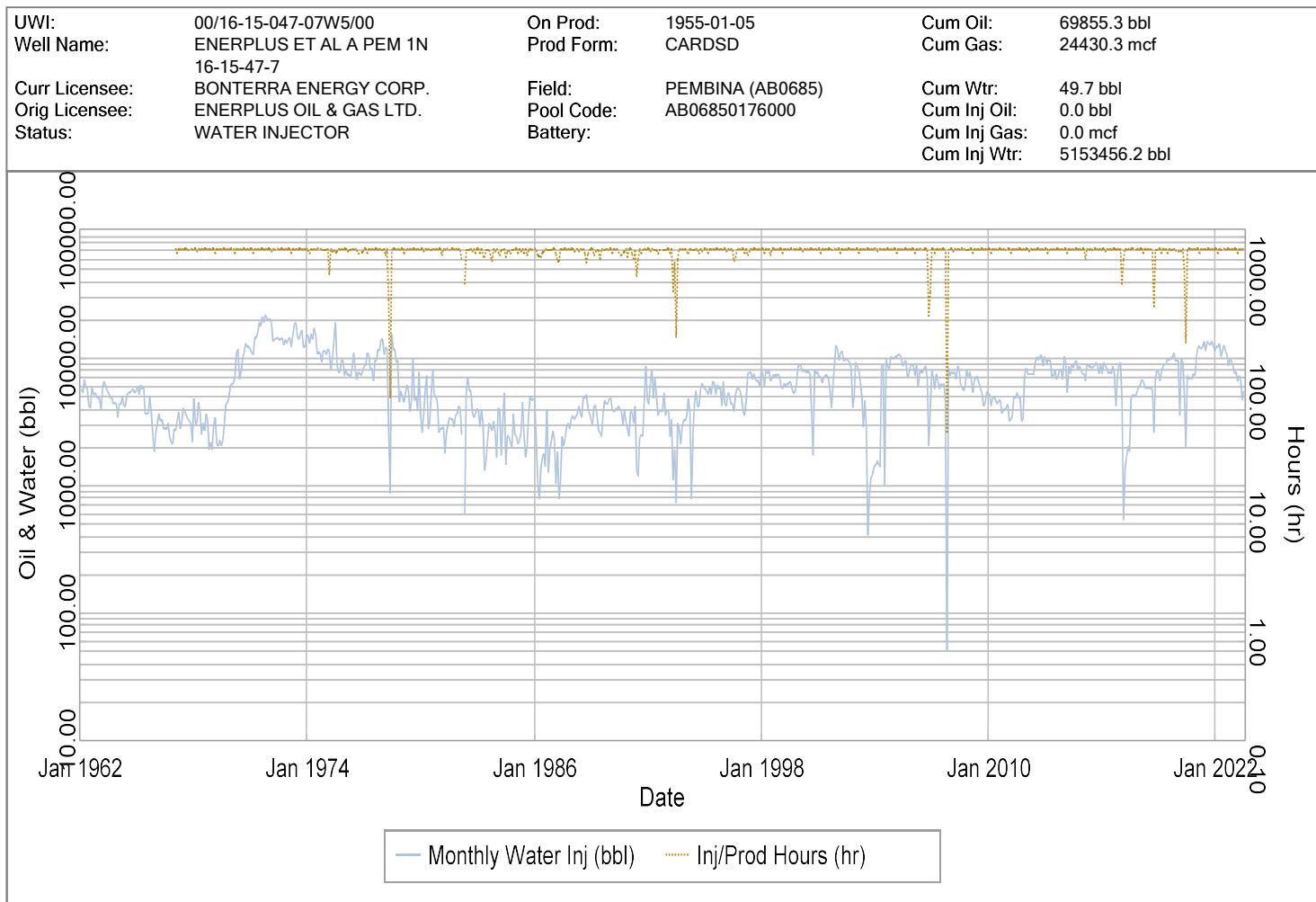
## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	MICRO LOG
4	COMPENSATED NEUTRON LOG
5	RA UNSPECIFIED
6	TEMPERATURE

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

On Prod Date:	1955-01-05	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:
			0.00 mcf/d

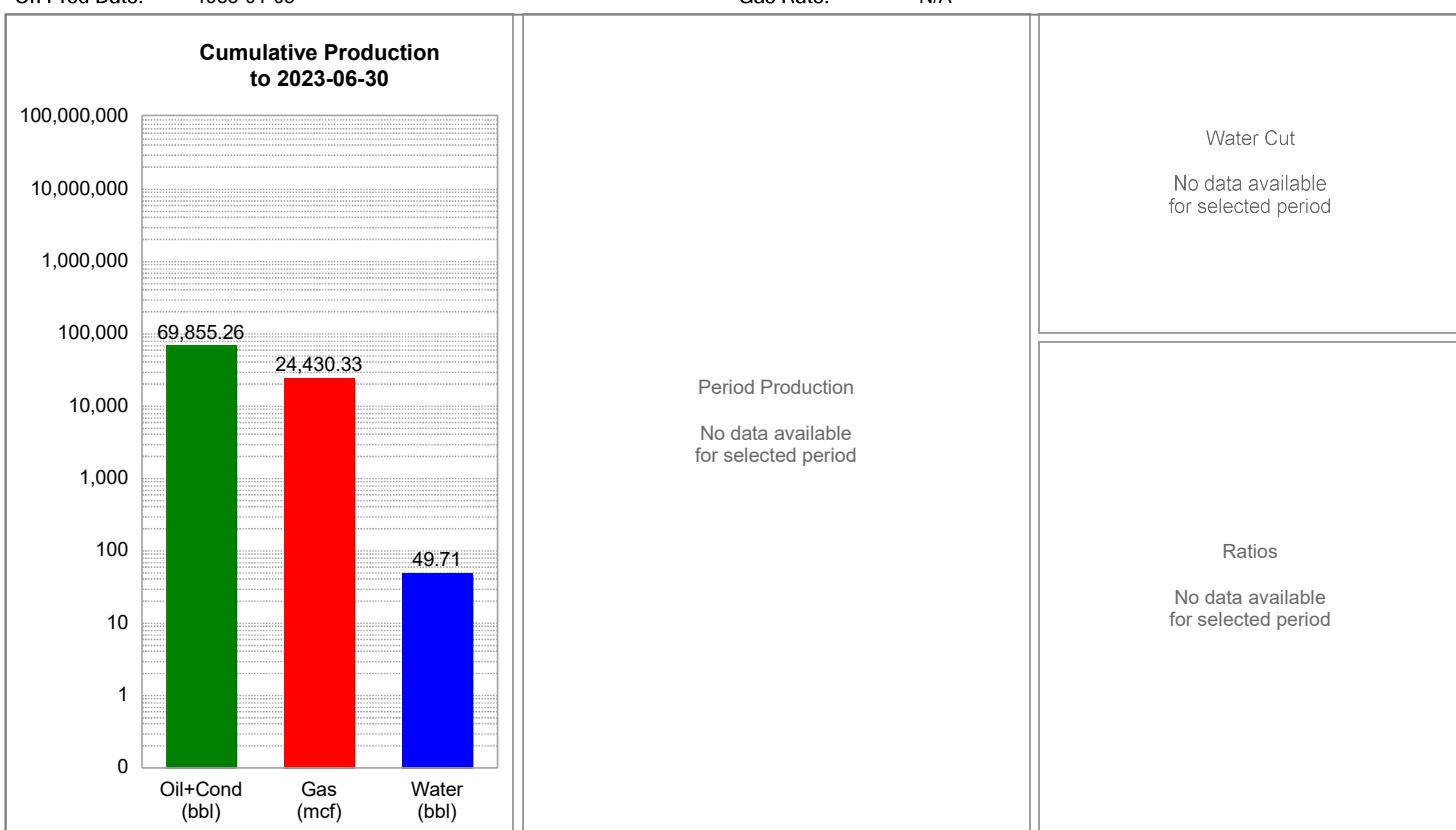
## Production Graph



## Production Summary

UWI: 00/16-15-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-01-05

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-14-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100061404707W500
Mode:	Injection	Bottom Hole Location:	100061404707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1980.0 ft
License		Bottom Hole Coord:	N1980.0 E1980.0 ft
Well Name:	ENERPLUS ET AL A PEM IN 6-14-47-7	Surface Hole Latitude:	53.052390
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.918041
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.052390
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.918041
License Number:	0009734	Dates	
Province/State:	Alberta	License Date:	1955-07-15
Confidential:	Non-Confidential	Spud Date:	1955-08-22
Lahee:	DEVELOPMENT	Final Drill Date:	1955-09-08
Rig Type:	Vertical	Rig Release Date:	1955-09-08
Well Type:	Vertical	Completion Date:	1955-09-27
License Type:		Days Drilled:	17
Well Event Type:	Parent	On Production Date:	1955-09-27
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	3039.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5268.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5268.0 ft
Play		Total Depth:	5268.0 ft
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	1955-07-15	00720000	LICENSED
2	1955-08-22	00730000	SPUDDED
3	1955-09-08	00740000	FINISHED DRILLING
4	1955-09-08	00070000	DRILLED AND CASED
5	1955-09-27	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 3039.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1140.1	1140.1	1899.0	1921.9	
BELLYRV	3062.0	3062.0	-23.0	1095.1	
LEAPRK	4157.2	4157.2	-1118.1	430.8	
COLRAD	4587.9	4587.9	-1548.9	523.0	
CARD	5110.9	5110.9	-2071.9	76.1	
CARDSD	5187.0	5187.0	-2148.0	63.0	
BLACKSTN	5250.0	5250.0	-2211.0		

Total TVD: 5268.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5268.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 3039.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5198.2 ft - 5267.1 ft

Date:

Formation: CARDSD,BLACKSTN

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 43400M3/D (1.533MMCF/D) MAX OIL TO SURFACE: 100.5M3/D (3549.105CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5183.1	5247.0	64.0
2		Diamond, conventional	5247.0	5268.0	21.0

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-09-08	OPEN HOLE	5198.2	5267.1	0		
2	1955-10-21	TREATMENT	5198.2	5267.1	0	ACID SQUEEZE	
3	1955-10-21	TREATMENT	5198.2	5267.1	0	FRACTURED	
4	1960-06-20	TREATMENT	5198.2	5267.1	0	ACID WASH	
5	1997-04-07	JET PERFORATION	5227.0	5248.0	13		
6	1997-04-07	JET PERFORATION	5206.0	5227.0	13		
7	1997-04-07	JET PERFORATION	5190.0	5206.0	13		
8	1997-04-09	TREATMENT	5206.0	5227.0	0	ACID SQUEEZE	
9	2001-05-30	TREATMENT	5075.5	5075.5	0	PACKER-BRIDGE PLUG	
10	2009-08-28	TREATMENT	5190.0	5267.1	0	ACID SQUEEZE	
11	2014-10-03	TREATMENT	5190.0	5267.1	0	CHEMICAL SQUEEZE	
12	2014-10-04	TREATMENT	5190.0	5267.1	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		602.0		602.0	10.748		
2	Production		5198.2	CARDSD	5198.2	7.000		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

#	Method Description
1	GAMMA RAY
2	COMPENSATED NEUTRON LOG
3	RA UNSPECIFIED

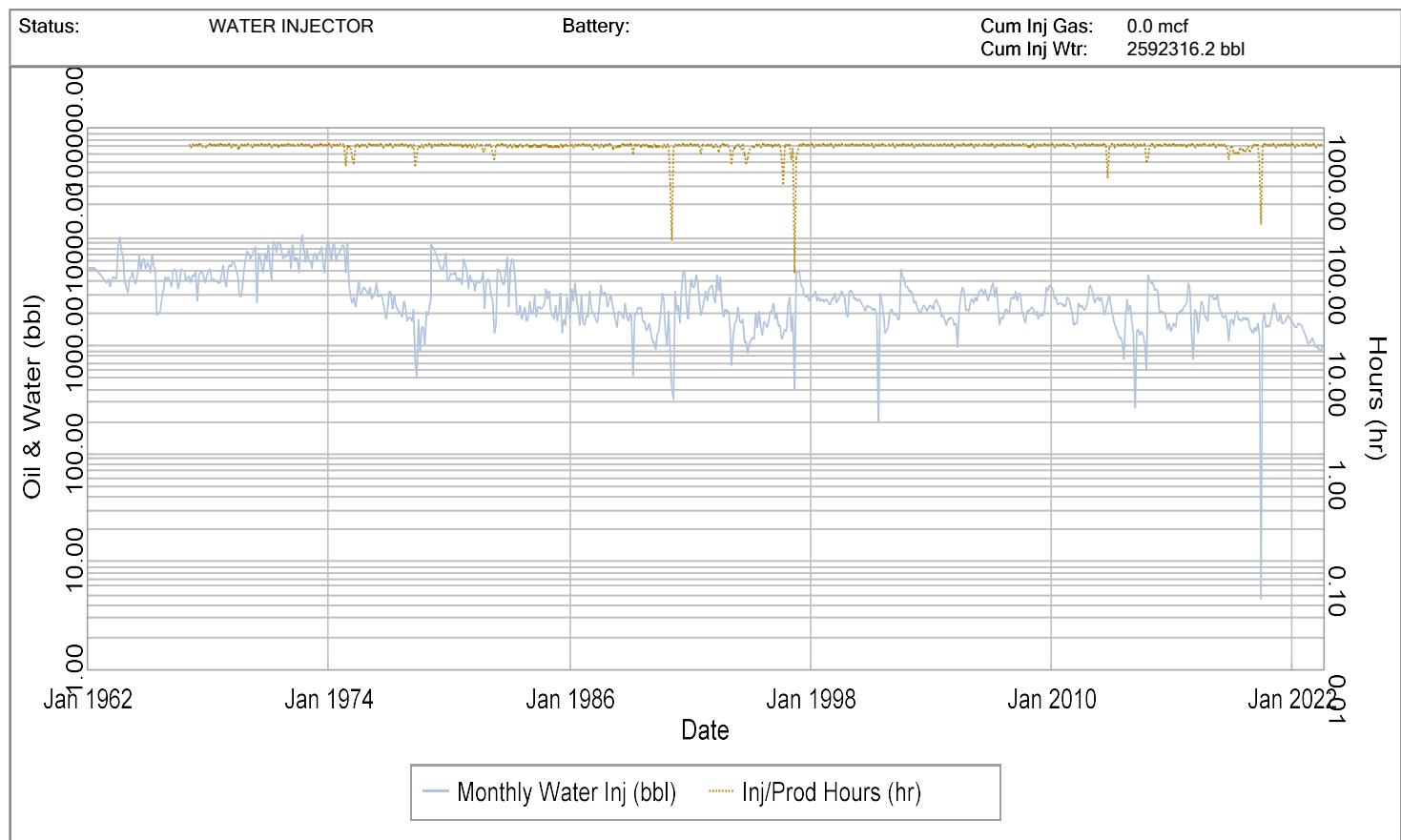
## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	1955-09-27	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

## Production Graph

UWI:	00/06-14-047-07W5/00	On Prod:	1955-09-27	Cum Oil:	42213.2 bbl
Well Name:	ENERPLUS ET AL A PEM IN 6-14-47-7	Prod Form:	CARDSD	Cum Gas:	17381.3 mcf
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	13.8 bbl
Orig Licensee:	ENERPLUS OIL & GAS LTD.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 bbl

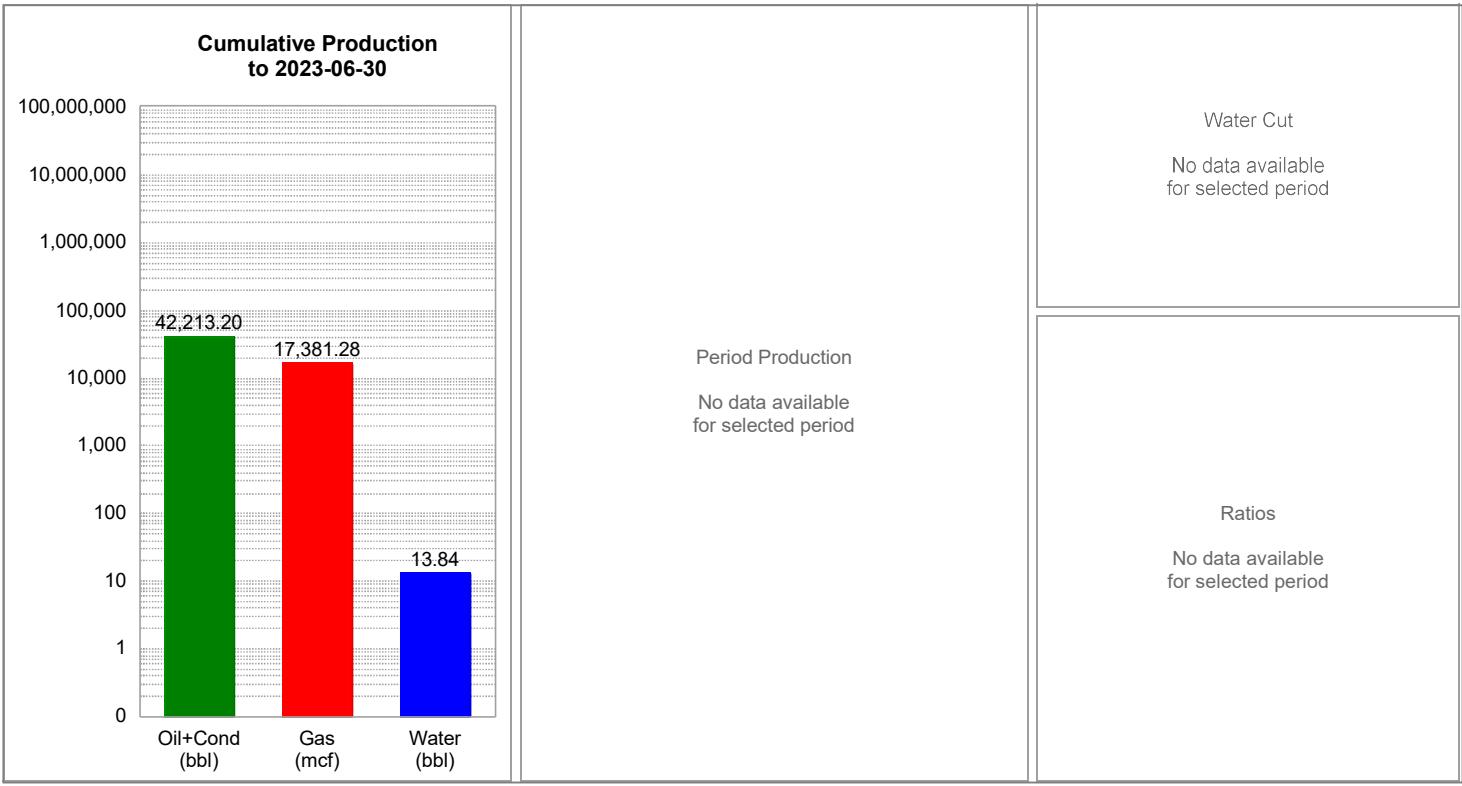
## Production Graph - Continued



## Production Summary

UWI: 00/06-14-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-09-27

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/16-10-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100161004707W500
Mode:	Injection	Bottom Hole Location:	100161004707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 W660.1 ft
License		Bottom Hole Coord:	S660.1 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 16-10-47-7	Surface Hole Latitude:	53.044985
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.930358
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.044985
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.930358
License Number:	0009336	Dates	
Province/State:	Alberta	License Date:	1955-03-25
Confidential:	Non-Confidential	Spud Date:	1955-10-07
Lahee:	DEVELOPMENT	Final Drill Date:	1955-10-18
Rig Type:	Vertical	Rig Release Date:	1955-10-18
Well Type:	Vertical	Completion Date:	1955-10-31
License Type:		Days Drilled:	11
Well Event Type:	Parent	On Production Date:	1955-10-31
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	3007.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5316.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5316.9 ft
Play		Total Depth:	5316.9 ft
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	1955-03-25	00720000	LICENSED
2	1955-10-07	00730000	SPUDDED
3	1955-10-18	00740000	FINISHED DRILLING
4	1955-10-18	00070000	DRILLED AND CASED
5	1955-10-31	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 3007.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1145.0	1145.0	1862.9	1895.0	
BELLYRV	3040.0	3040.0	-32.2	1109.9	
LEAPRK	4149.9	4149.9	-1142.1	430.1	
COLRAD	4580.1	4580.1	-1572.2	528.9	
CARD	5108.9	5108.9	-2101.1	78.1	
CARDSD	5187.0	5187.0	-2179.1	65.0	
BLACKSTN	5252.0	5252.0	-2244.1		

Total TVD: 5316.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5316.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 3007.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5231.0 ft - 5252.0 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 66100M3/D (2.334MMCF/D) MAX OIL TO SURFACE: 190.8M3/D (6738.002CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-10-19	JET PERFORATION	5231.0	5238.8	13		
2	1955-10-19	JET PERFORATION	5243.1	5246.1	13		
3	1955-10-19	JET PERFORATION	5248.0	5252.0	13		
4	1955-10-27	TREATMENT	5231.0	5252.0	0	ACID SQUEEZE	
5	1955-10-27	TREATMENT	5231.0	5252.0	0	FRACTURED	
6	1956-07-31	BULLET PERFORATION	5202.1	5220.1	13		
7	1956-07-31	TREATMENT	5202.1	5220.1	0	ACID WASH	
8	1958-06-26	TREATMENT	5202.1	5208.0	0	FRACTURED	
9	2017-02-21	TREATMENT	5136.2	5136.2	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type (in)
1	Surface			599.1	599.1	10.748		
2	Production		5312.0	BLACKSTN	5312.0	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

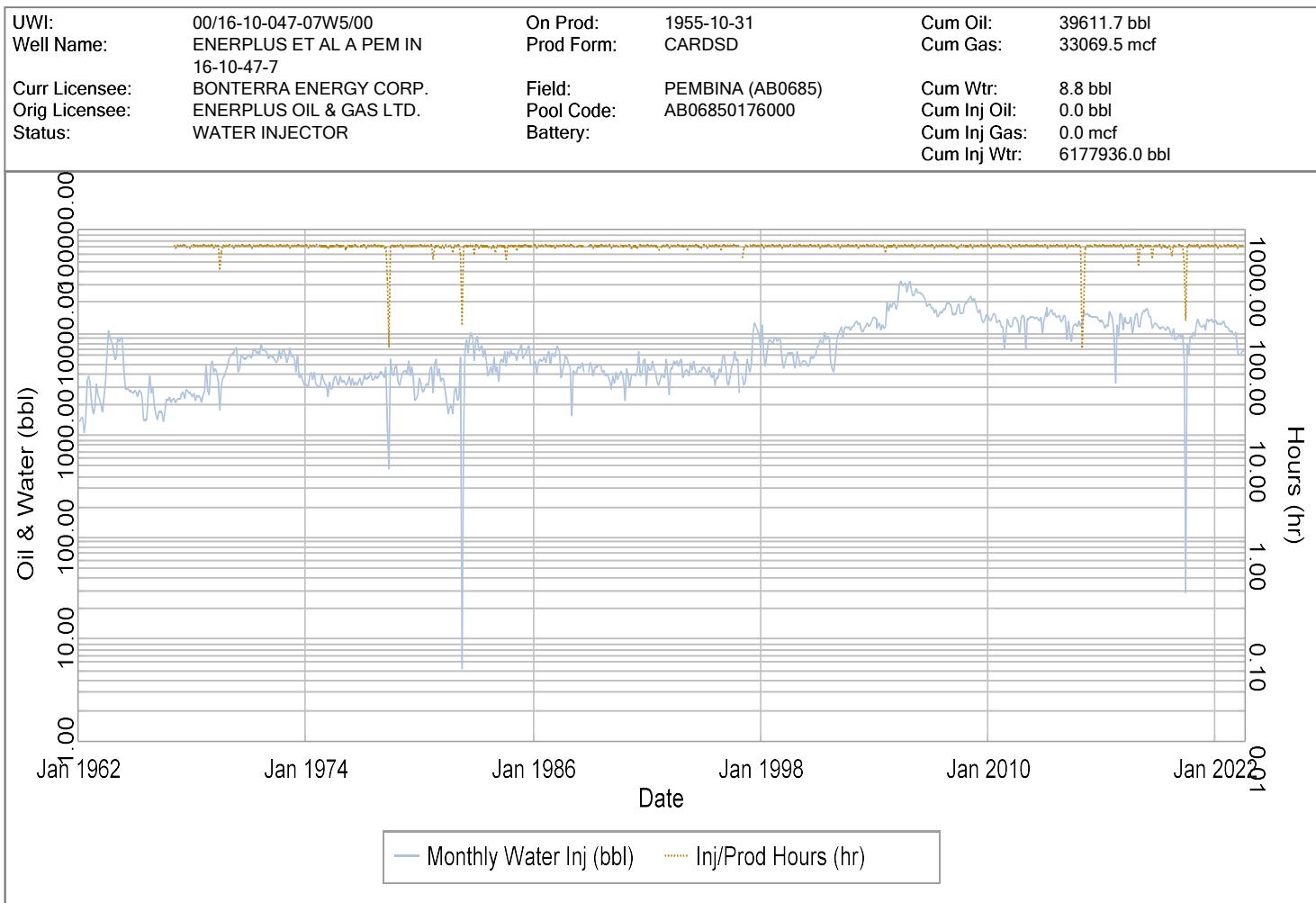
## Logs Run

#	Method Description
1	COMPENSATED NEUTRON LOG
2	RA UNSPECIFIED

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

On Prod Date:	1955-10-31	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		
		Gas/Day:	0.00 mcf/d

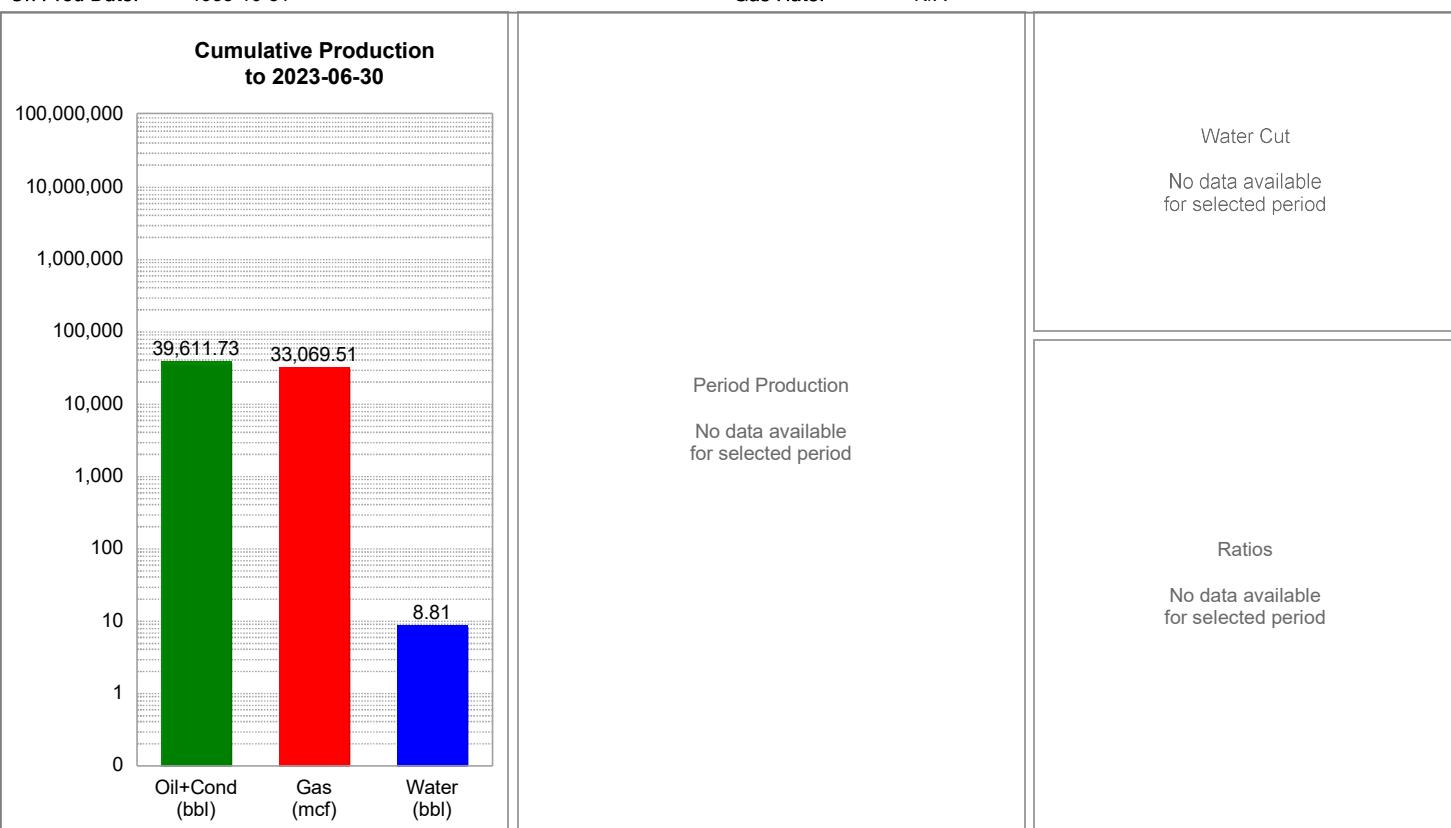
## Production Graph



## Production Summary

UWI: 00/16-10-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-10-31

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-10-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100061004707W500
Mode:	Injection	Bottom Hole Location:	100061004707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1980.0 ft
License		Bottom Hole Coord:	N1980.0 E1980.0 ft
Well Name:	ENERPLUS ET AL A PEM IN 6-10-47-7	Surface Hole Latitude:	53.037768
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.942374
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.037768
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.942374
License Number:	0010034	Dates	
Province/State:	Alberta	License Date:	1955-08-22
Confidential:	Non-Confidential	Spud Date:	1955-08-22
Lahee:	DEVELOPMENT	Final Drill Date:	1955-09-05
Rig Type:	Vertical	Rig Release Date:	1955-09-05
Well Type:	Vertical	Completion Date:	1955-09-19
License Type:		Days Drilled:	14
Well Event Type:	Parent	On Production Date:	1955-09-19
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2938.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5182.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5182.1 ft
Play		Total Depth:	5182.1 ft
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	1955-08-22	00720000	LICENSED
2	1955-08-22	00730000	SPUDDED
3	1955-09-05	00740000	FINISHED DRILLING
4	1955-09-05	00070000	DRILLED AND CASED
5	1955-09-19	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2938.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1069.9	1069.9	1868.1	1913.1	
BELLYRV	2982.9	2982.9	-44.9	1095.1	
LEAPRK	4078.1	4078.1	-1140.1	440.0	
COLRAD	4518.0	4518.0	-1580.1	528.9	
CARD	5046.9	5046.9	-2108.9	76.1	
CARDSD	5123.0	5123.0	-2185.0		

Total TVD: 5182.1 ft      Projected Formation: CARDIUM SAND  
 Total Depth: 5182.1 ft      Projected Total Depth:

## User Tops (KB Elevation: 2938.0 ft) - No data

## DSTs and IPs

# of Tests: 3

Test 1: 649.9 ft - 700.1 ft \*Misrun\*

Date: 1956-07-23  
 Formation: PASKAPOO,UNDEF  
 Type: CONVENTIONAL BOTTOM HOLE 2 PACKERS  
 Valve Open:  
 Shut-in:  
 Flow Pres:  
 Shut-in Pres:  
 Hydro Pres: 345 / 345 PSI  
 Comments: BLOW DESCRIPTION: GOOD INITIAL PUFF, INTERMITTENT AIR BLOW THROUGHOUT TEST.

Test 2: 704.1 ft - 757.9 ft \*Misrun\*

Date: 1956-07-25  
 Formation: PASKAPOO,UNDEF  
 Type: CONVENTIONAL BOTTOM HOLE 2 PACKERS  
 Valve Open: 60 min  
 Shut-in: 30 min  
 Flow Pres: 80 / 84 PSI  
 Shut-in Pres: 355 PSI  
 Hydro Pres: 369 / 355 PSI  
 Comments: BLOW DESCRIPTION: GOOD INITIAL PUFF, BLOW DEAD IN 15 MINS, THEN INTERMITTENT THROUGHOUT TEST.

IP Test 70: 5128.0 ft - 5182.1 ft

Date:  
 Formation: CARDSD,UNDEF  
 Type: IP - INITIAL POTENTIAL  
 Valve Open: 0 min  
 Flow Pres:  
 Comments: MAX GAS TO SURFACE: 57200M3/D (2.02MMCF/D) MAX OIL TO SURFACE: 32.8M3/D (1158.315CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5122.0	5182.1	60.0

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-09-05	OPEN HOLE	5128.0	5182.1	0		
2	1955-10-20	TREATMENT	5128.0	5182.1	0	ACID SQUEEZE	
3	1955-10-20	TREATMENT	5128.0	5182.1	0	FRACTURED	
4	2004-11-06	TREATMENT	5128.0	5182.1	0	ACID SQUEEZE	
5	2006-09-13	TREATMENT	5075.5	5075.5	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		602.0		602.0	10.748		
2	Production		5128.0	CARDSD	5128.0	7.000		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

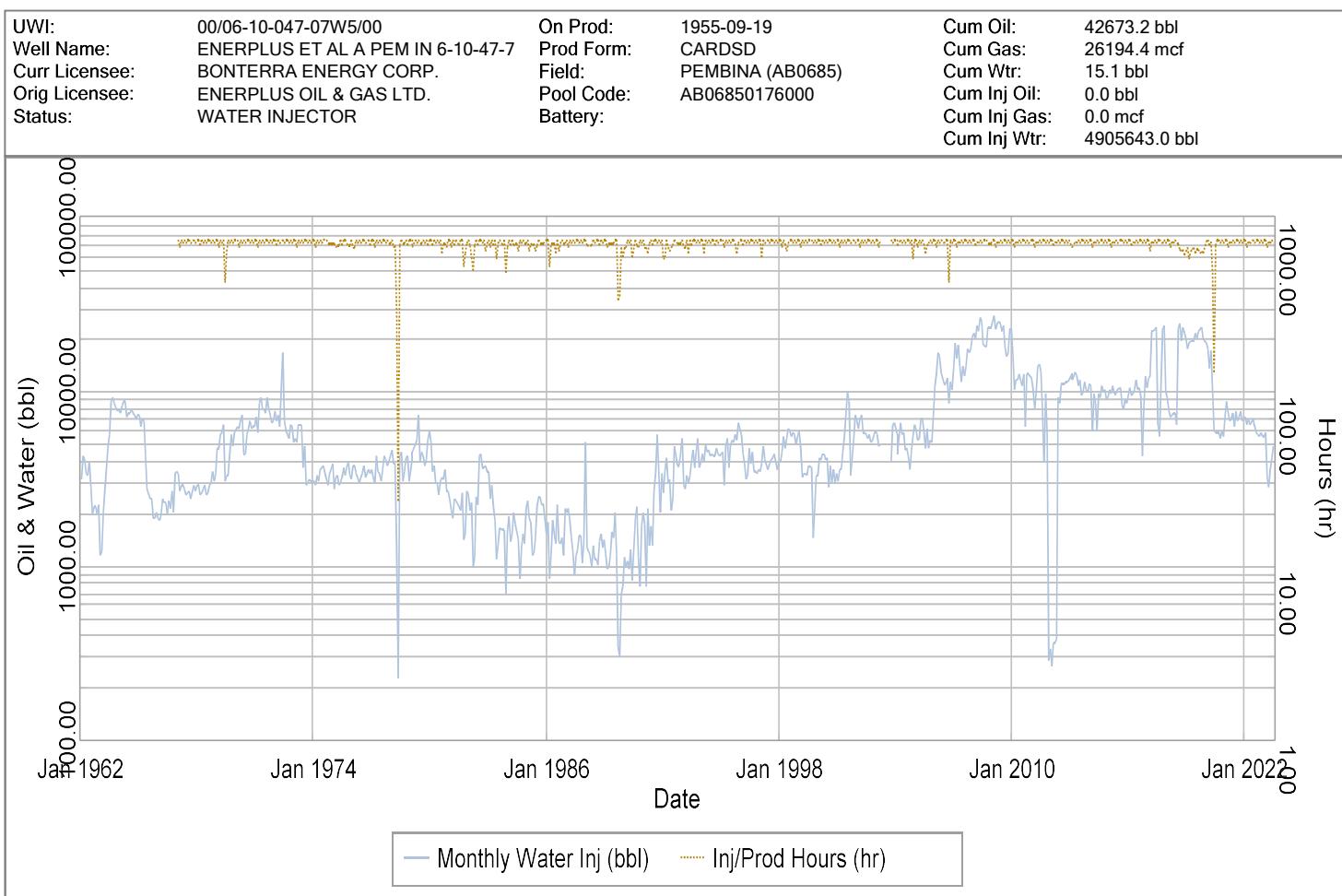
## Logs Run

# Method Description  
 1 COMPENSATED NEUTRON LOG  
 2 RA UNSPECIFIED

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

On Prod Date:	1955-09-19	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

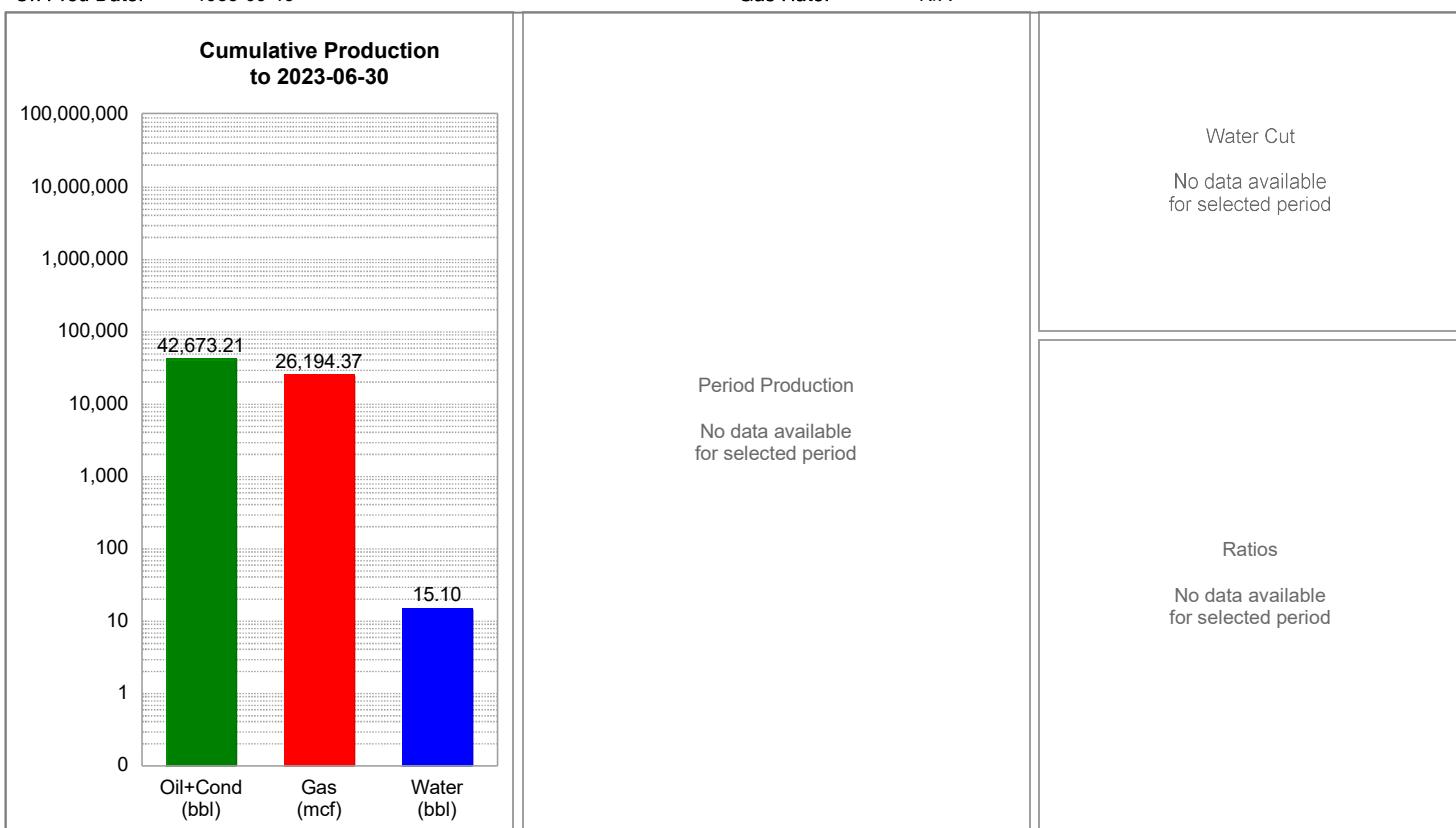
## Production Graph



## Production Summary

UWI: 00/06-10-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-09-19

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/16-09-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100160904707W500
Mode:	Injection	Bottom Hole Location:	100160904707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 W660.1 ft
License		Bottom Hole Coord:	S660.1 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 16-9-47-7	Surface Hole Latitude:	53.044994
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.954659
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.044994
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.954659
License Number:	0009282	Dates	
Province/State:	Alberta	License Date:	1955-03-11
Confidential:	Non-Confidential	Spud Date:	1955-03-12
Lahee:	DEVELOPMENT	Final Drill Date:	1955-03-25
Rig Type:	Vertical	Rig Release Date:	1955-03-25
Well Type:	Vertical	Completion Date:	1955-06-29
License Type:		Days Drilled:	13
Well Event Type:	Parent	On Production Date:	1955-06-29
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2907.2 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2893.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5236.9 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5236.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5236.9 ft
Play		Total Depth:	5236.9 ft
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	1955-03-11	00720000	LICENSED
2	1955-03-12	00730000	SPUDDED
3	1955-03-25	00740000	FINISHED DRILLING
4	1955-03-25	00070000	DRILLED AND CASED
5	1955-06-29	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2907.2 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	976.0	976.0	1931.1	1972.1	
BELLYRV	2948.2	2948.2	-41.0	1111.9	
LEAPRK	4060.0	4060.0	-1152.9	528.9	
COLRAD	4588.9	4588.9	-1681.8	431.1	
CARD	5020.0	5020.0	-2112.9	77.1	
CARDSD	5097.1	5097.1	-2190.0	69.9	
BLACKSTN	5167.0	5167.0	-2259.8		

Total TVD: 5236.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5236.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2907.2 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5096.1 ft - 5136.2 ft

Date:  
Formation: CARD,CARDSD  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 23600M3/D (.833MMCF/D) MAX OIL TO SURFACE: 190.8M3/D (6738.002CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-03-28	JET PERFORATION	5096.1	5136.2	13		
2	1955-06-23	TREATMENT	5096.1	5136.2	0	ACID SQUEEZE	
3	1955-06-23	TREATMENT	5096.1	5136.2	0	FRACTURED	
4	1956-07-02	JET PERFORATION	5078.1	5088.9	16		
5	1956-07-02	JET PERFORATION	5094.2	5107.0	16		
6	1960-01-25	TREATMENT	5078.1	5136.2	0	ACID WASH	
7	2003-12-12	TREATMENT	5078.1	5136.2	0	ACID SQUEEZE	
8	2003-12-13	TREATMENT	5052.5	5052.5	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface				597.1			
2	Production				5225.1	BLACKSTN	5225.1	10.748 5.500
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

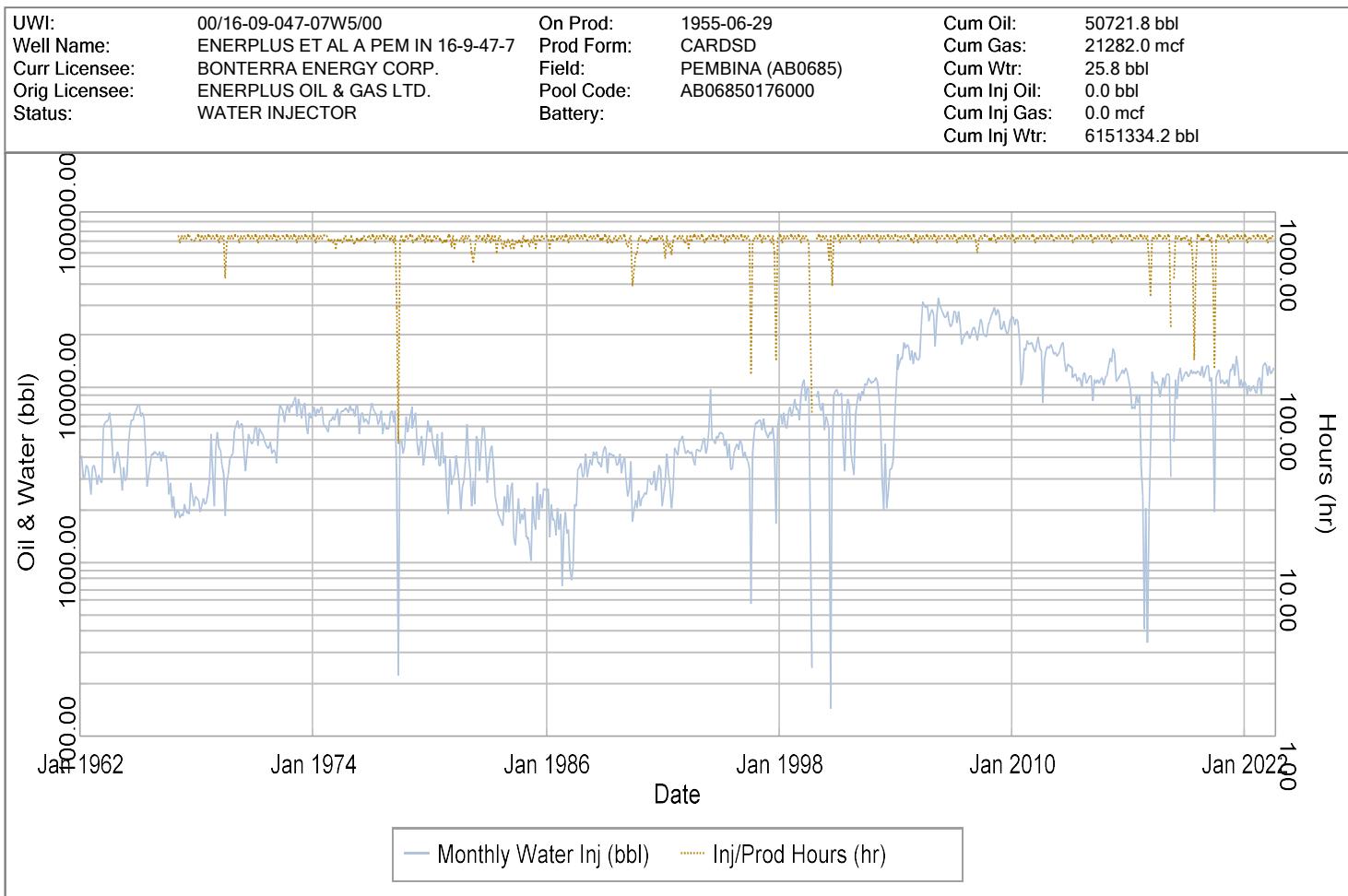
## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	COMPENSATED NEUTRON LOG
4	RA UNSPECIFIED
5	TEMPERATURE

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

On Prod Date:	1955-06-29	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

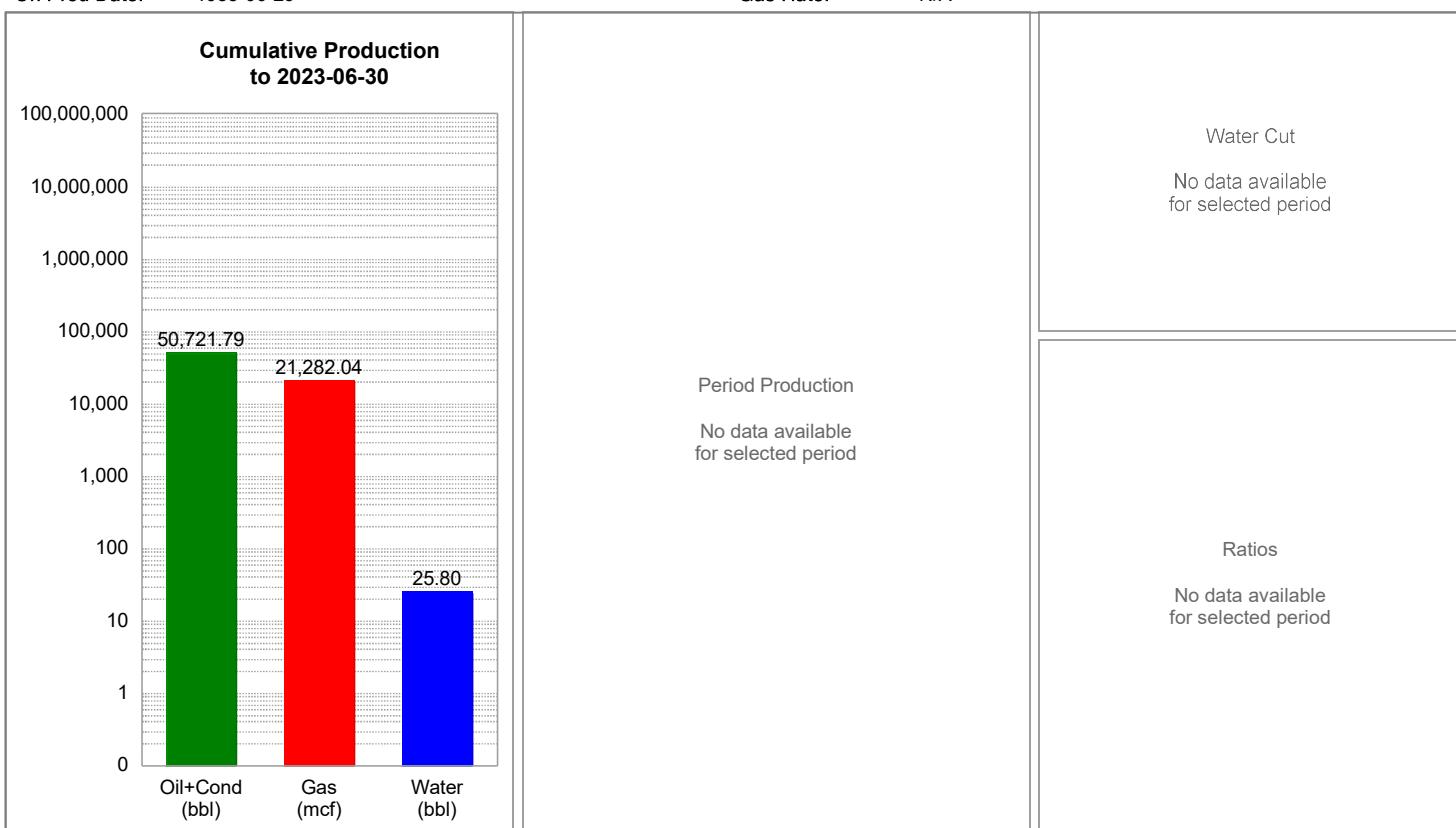
## Production Graph



## Production Summary

UWI: 00/16-09-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-06-29

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/02-32-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100023204607W500
Mode:	Injection	Bottom Hole Location:	100023204607W500
Status:	WATER INJECTOR	Surface Hole Coord:	N660.1 W1980.0 ft
License		Bottom Hole Coord:	N660.1 W1980.0 ft
Well Name:	ENERPLUS ET AL D PEM 2-32-46-7	Surface Hole Latitude:	53.005879
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.976241
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.005879
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.976241
License Number:	0011122	Dates	
Province/State:	Alberta	License Date:	1956-03-05
Confidential:	Non-Confidential	Spud Date:	1956-05-11
Lahee:	DEVELOPMENT	Final Drill Date:	1956-05-25
Rig Type:	Vertical	Rig Release Date:	1956-05-25
Well Type:	Vertical	Completion Date:	1956-06-11
License Type:		Days Drilled:	14
Well Event Type:	Parent	On Production Date:	1956-06-11
Purpose:		On Injection Date:	2011-05-31
Well Objective:		Last Prod Date:	2004-08-08
Surface Abandon Type:		Current Status Date:	2011-05-31
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2975.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5395.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5395.0 ft
Play		Total Depth:	5395.0 ft
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	1956-03-05	00720000	LICENSED
2	1956-05-11	00730000	SPUDDED
3	1956-05-25	00740000	FINISHED DRILLING
4	1956-05-25	00070000	DRILLED AND CASED
5	1956-06-11	01100000	FLOWING OIL
6	1963-06-12	01110000	PUMPING OIL
7	1986-01-19	01010000	SUSPENDED OIL
8	1995-12-06	01110000	PUMPING OIL
9	2005-08-08	01010000	SUSPENDED OIL
10	2011-05-31	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2975.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1140.1	1140.1	1835.0	1969.8	
BELLYRV	3109.9	3109.9	-134.8	1073.2	
LEAPRK	4183.1	4183.1	-1208.0	446.9	
COLRAD	4629.9	4629.9	-1654.9	548.2	
CARD	5178.1	5178.1	-2203.1	72.8	
CARDSD	5251.0	5251.0	-2275.9	70.9	
BLACKSTN	5321.9	5321.9	-2346.8		

Total TVD: 5395.0 ft Projected Formation: BLACKSTONE

Total Depth: 5395.0 ft Projected Total Depth:

## User Tops (KB Elevation: 2975.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5258.9 ft - 5287.1 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 45000M3/D (1.589MMCF/D) MAX OIL TO SURFACE: 318M3/D (11230.003CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-05-31	JET PERFORATION	5258.9	5287.1		13	
2	1956-06-01	TREATMENT	5258.9	5287.1		0	ACID WASH
3	1956-06-01	TREATMENT	5258.9	5287.1		0	FRACTURED
4	1957-10-25	BULLET PERFORATION	5253.9	5258.9		13	
5	1957-10-25	TREATMENT	5253.9	5258.9		0	ACID WASH
6	1965-03-04	TREATMENT	5253.9	5258.9		0	FRACTURED
7	2010-12-07	JET PERFORATION	5272.0	5281.8		17	
8	2012-02-16	TREATMENT	5205.7	5205.7		0	PACKER-BRIDGE PLUG

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		551.8		551.8	10.748		
2	Production		5395.0	BLACKSTN	5395.0	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

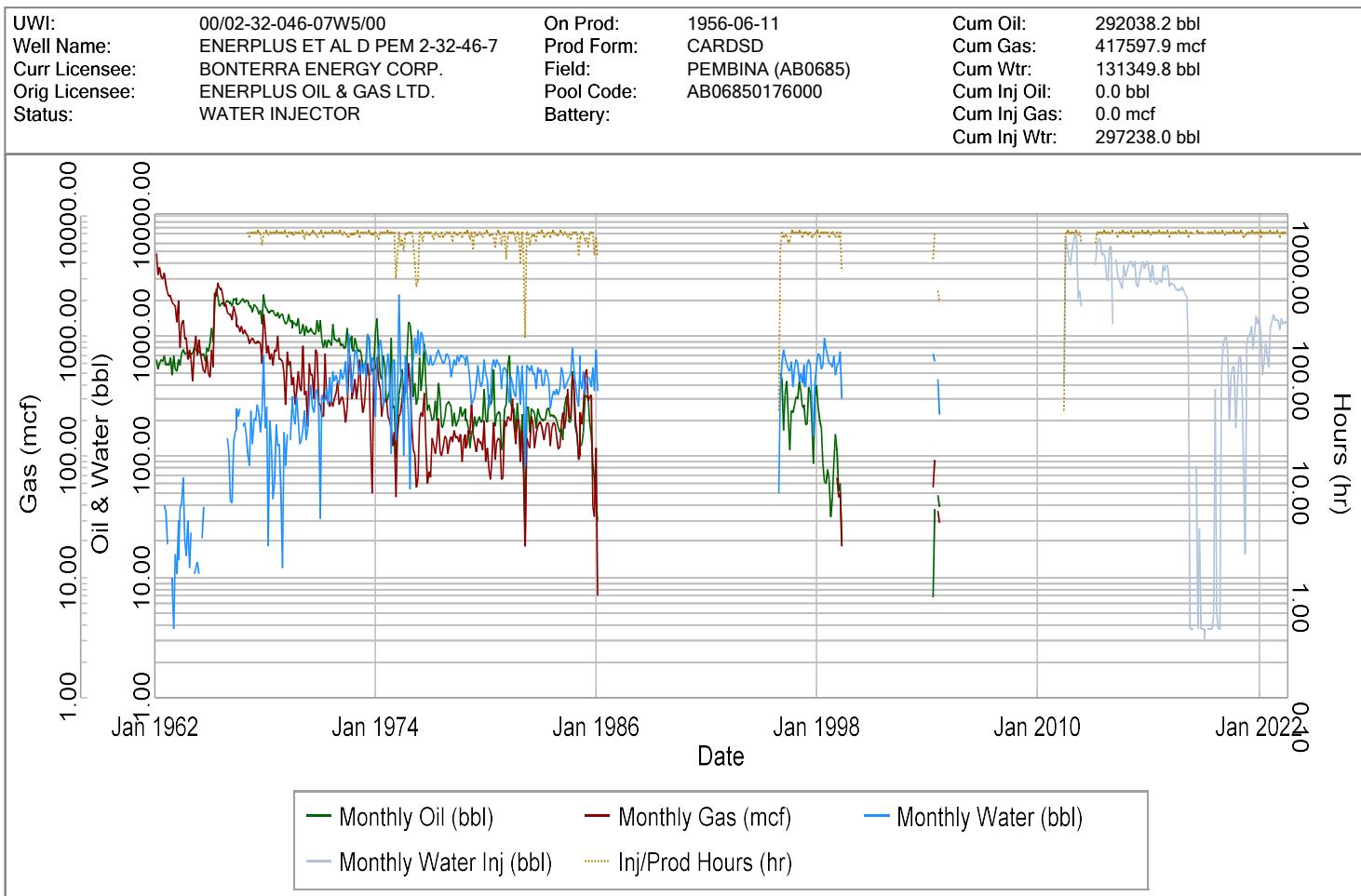
## Logs Run

- # Method Description
- 1 CEMENT BOND
- 2 GAMMA RAY
- 3 COMPENSATED NEUTRON LOG
- 4 PERFORATION LOG
- 5 TEMPERATURE

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

On Prod Date:	1956-06-11	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

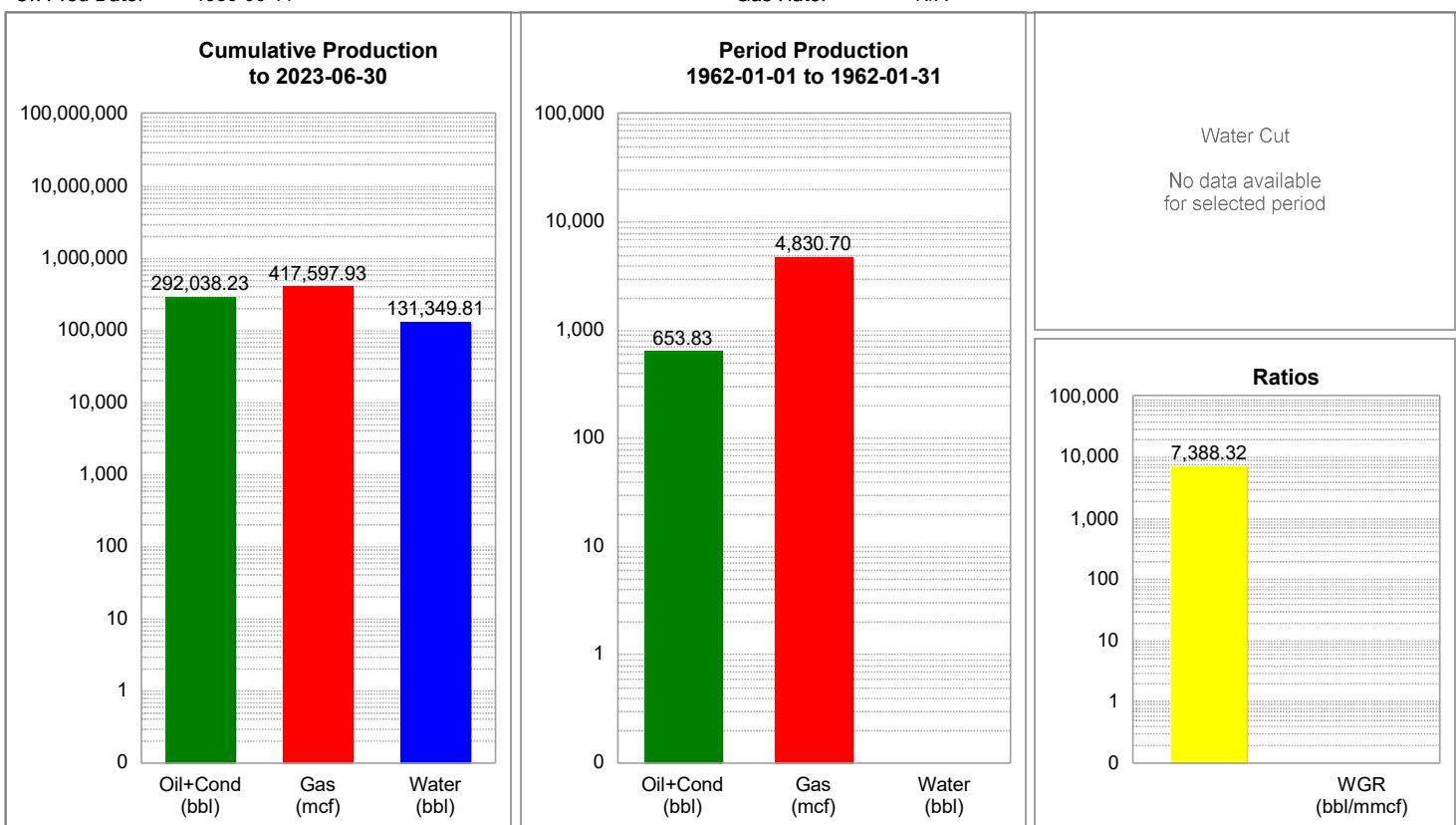
## Production Graph



## Production Summary

UWI: 00/02-32-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1956-06-11

Hours: 0  
 Oil+Cond Rate: N/A  
 Gas Rate: N/A



## Header

UWI:	00/14-33-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100143304607W500
Mode:	Injection	Bottom Hole Location:	100143304607W500
Status:	WATER INJECTOR	Surface Hole Coord:	S723.1 E1900.9 ft
License		Bottom Hole Coord:	S723.1 E1900.9 ft
Well Name:	BIRCHILL PEMBINA IN 14-33-46-7	Surface Hole Latitude:	53.016128
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.958312
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.016128
Original Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.958312
License Number:	0012713	Dates	
Province/State:	Alberta	License Date:	1956-11-26
Confidential:	Non-Confidential	Spud Date:	1956-11-26
Lahee:	DEVELOPMENT	Final Drill Date:	1956-12-07
Rig Type:	Vertical	Rig Release Date:	1956-12-07
Well Type:	Vertical	Completion Date:	1957-02-25
License Type:		Days Drilled:	11
Well Event Type:	Parent	On Production Date:	1957-02-25
Purpose:		On Injection Date:	1958-04-25
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1958-04-25
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2892.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2879.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5232.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5232.9 ft
Play		Total Depth:	5232.9 ft
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	1956-11-26	00720000	LICENSED
2	1956-11-26	00730000	SPUDDED
3	1956-12-07	00740000	FINISHED DRILLING
4	1956-12-07	00070000	DRILLED AND CASED
5	1957-02-25	01100000	FLOWING OIL
6	1958-04-25	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2892.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1094.2	1094.2	1797.9	1876.0	
BELLYRV	2970.1	2970.1	-78.1	1106.0	
LEAPRK	4076.1	4076.1	-1184.1	433.7	
COLRAD	4509.8	4509.8	-1617.8	550.2	
CARD	5060.0	5060.0	-2168.0	77.1	
CARDSD	5137.1	5137.1	-2245.1	83.0	
BLACKSTN	5220.1	5220.1	-2328.1		

Total TVD: 5232.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5232.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2892.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5141.1 ft - 5169.9 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 137800M3/D (4.866MMCF/D) MAX OIL TO SURFACE: 35M3/D (1236.007CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-12-11	JET PERFORATION	5141.1	5150.9	13		
2	1956-12-11	JET PERFORATION	5160.1	5169.9	13		
3	1956-12-11	TREATMENT	5141.1	5169.9	0	FRACTURED	
4	1966-11-15	TREATMENT	5141.1	5169.9	0	ACID SQUEEZE	
5	1977-01-06	TREATMENT	5141.1	5169.9	0	ACID SQUEEZE	
6	1981-11-26	TREATMENT	5086.3	5086.3	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		611.9		611.9	10.748		
2	Production		5232.0	BLACKSTN	5232.0	7.000		

#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)
1	Surface			
2	Production			

## Casing Cements - No data

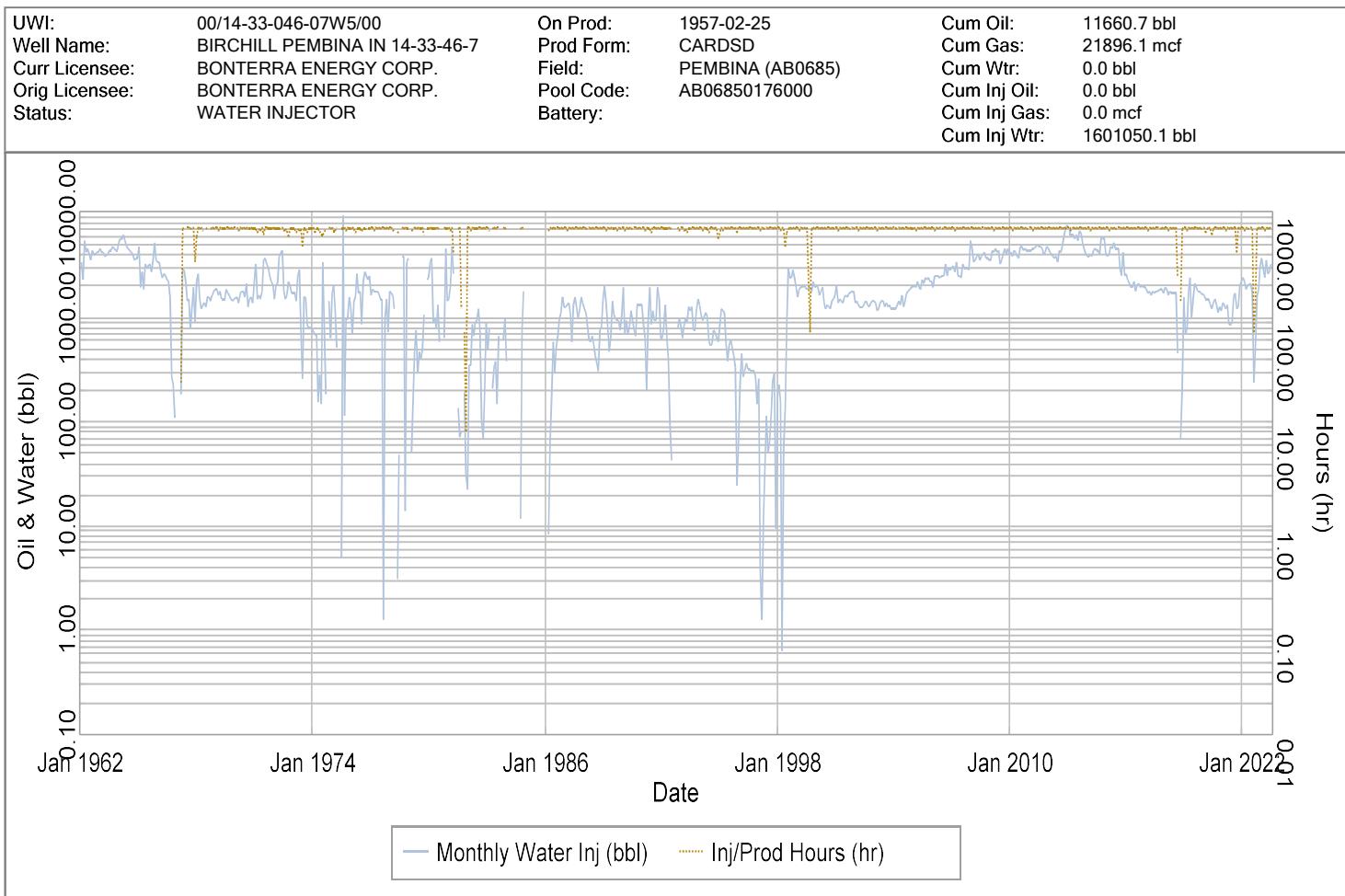
## Logs Run

#	Method Description
1	ELECTRIC LOG
2	MICRO-LATEROLOG
3	MICRO LOG
4	COMPENSATED NEUTRON LOG
5	RA UNSPECIFIED

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

On Prod Date:	1957-02-25	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

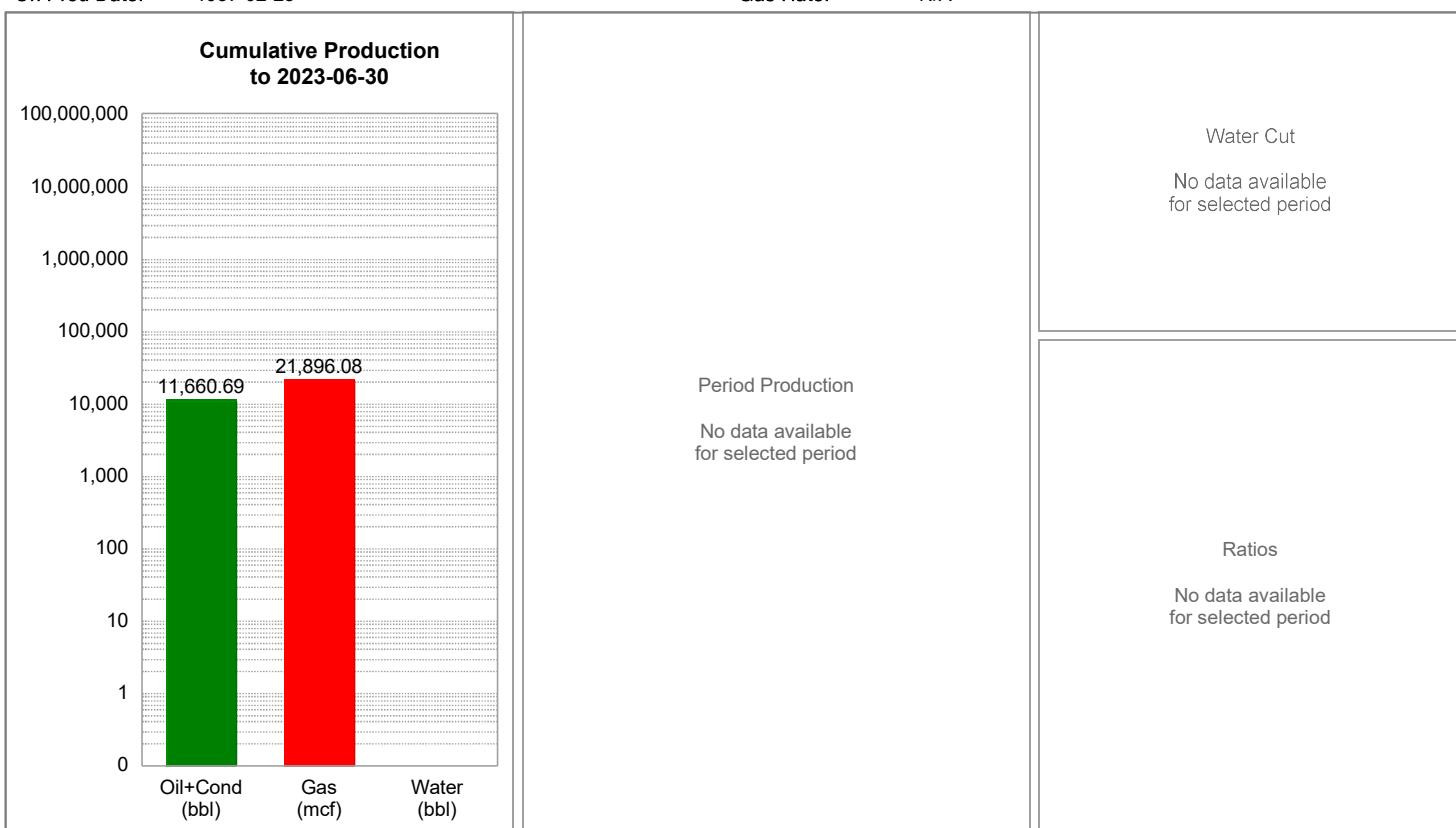
## Production Graph



## Production Summary

UWI: 00/14-33-046-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1957-02-25

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/06-04-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100060404707W500
Mode:	Suspended	Bottom Hole Location:	100060404707W500
Status:	SUSPENDED WATER INJECTOR	Surface Hole Coord:	N1980.0 E1960.0 ft
License		Bottom Hole Coord:	N1980.0 E1960.0 ft
Well Name:	BIRCHILL PEMBINA IN 6-4-47-7	Surface Hole Latitude:	53.023721
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.966772
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.023721
Original Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-114.966772
License Number:	0009852	Dates	
Province/State:	Alberta	License Date:	1955-07-29
Confidential:	Non-Confidential	Spud Date:	1955-08-25
Lahee:	DEVELOPMENT	Final Drill Date:	1955-09-08
Rig Type:	Vertical	Rig Release Date:	1955-09-08
Well Type:	Vertical	Completion Date:	1955-09-27
License Type:		Days Drilled:	14
Well Event Type:	Parent	On Production Date:	1955-09-27
Purpose:		On Injection Date:	1957-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	2021-09-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2021-10-09
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2887.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2875.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5256.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5256.9 ft
Play		Total Depth:	5256.9 ft
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	1955-07-29	00720000	LICENSED
2	1955-08-25	00730000	SPUDDED
3	1955-09-08	00740000	FINISHED DRILLING
4	1955-09-08	00070000	DRILLED AND CASED
5	1955-09-27	01100000	FLOWING OIL
6	1957-12-01	06000300	WATER INJECTOR
7	2021-09-01	06010300	SUSPENDED WATER INJECTOR

## System Tops (KB Elevation: 2887.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1138.1	1138.1	1749.0	1818.9	
BELLYRV	2957.0	2957.0	-69.9	1114.8	
LEAPRK	4071.9	4071.9	-1184.7	434.1	
COLRAD	4505.9	4505.9	-1618.8	544.0	
CARD	5049.9	5049.9	-2162.7	73.2	
CARDSD	5123.0	5123.0	-2235.9	66.9	
BLACKSTN	5190.0	5190.0	-2302.8		

Total TVD: 5256.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5256.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2887.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5170.9 ft - 5183.1 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 63700M3/D (2.25MMCF/D) MAX OIL TO SURFACE: 46.9M3/D (1656.249CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	3899.9	3904.9	4.9
2		Diamond, conventional	3904.9	3910.1	4.9
3		Diamond, conventional	3910.1	3915.0	4.9
4		Diamond, conventional	3915.0	3919.9	4.9
5		Diamond, conventional	3919.9	3924.9	4.9
6		Diamond, conventional	3924.9	3929.1	3.9
7		Diamond, conventional	3929.1	3934.1	4.9
8		Diamond, conventional	3934.1	3939.0	4.9
9		Diamond, conventional	3939.0	3943.9	4.9
10		Diamond, conventional	3943.9	3949.1	4.9
11		Diamond, conventional	3949.1	3954.1	4.9
12		Diamond, conventional	3954.1	3957.0	3.0

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-09-26	JET PERFORATION	5170.9	5183.1	13		
2	1955-09-26	TREATMENT	5170.9	5183.1	0	ACID SQUEEZE	
3	1955-09-26	TREATMENT	5170.9	5183.1	0	FRACTURED	
4	1956-11-23	JET PERFORATION	5143.0	5155.8	13		
5	1956-11-23	JET PERFORATION	5124.0	5136.2	13		
6	1956-11-23	TREATMENT	5124.0	5155.8	0	FRACTURED	
7	1972-02-12	TREATMENT	5124.0	5136.2	0	ACID SQUEEZE	
8	1974-11-01	TREATMENT	5124.0	5136.2	0	ACID SQUEEZE	
9	1975-09-29	TREATMENT	5115.8	5115.8	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		607.9		607.9	10.748		
2	Production		5254.9	BLACKSTN	5254.9	7.000		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

#	Method Description
1	ELECTRIC LOG
2	MICRO-LATEROLOG
3	MICRO LOG
4	COMPENSATED NEUTRON LOG
5	RA UNSPECIFIED

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

On Prod Date:	1955-09-27	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
		Cum Oil + Cond:	46,800.70 bbl
		Cum Gas:	63,796.43 mcf
		Cum Water:	20.77 bbl

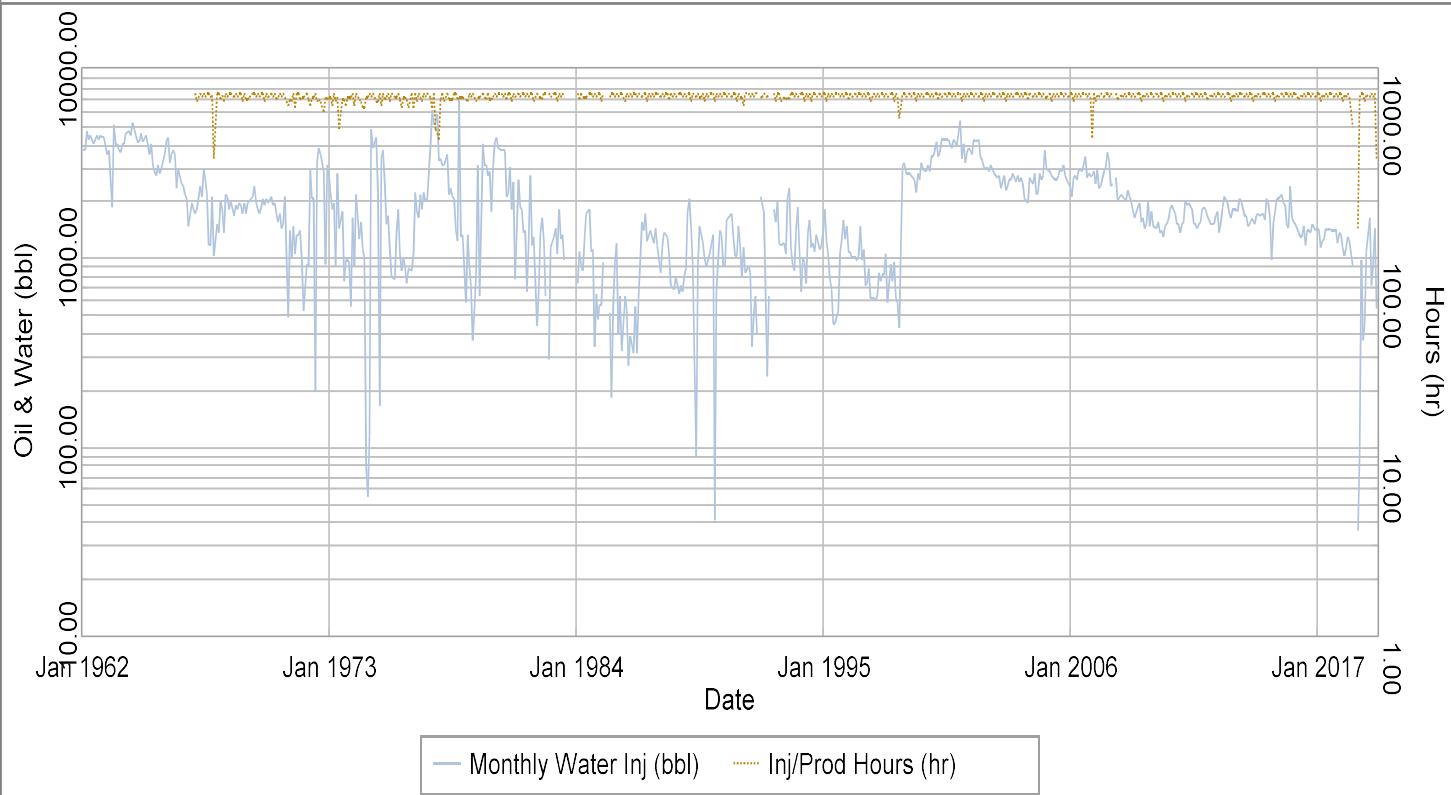
Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 ) - Continued

Oil + Cond/Day: 0.00 bbl/d

Gas/Day: 0.00 mcf/d

## Production Graph

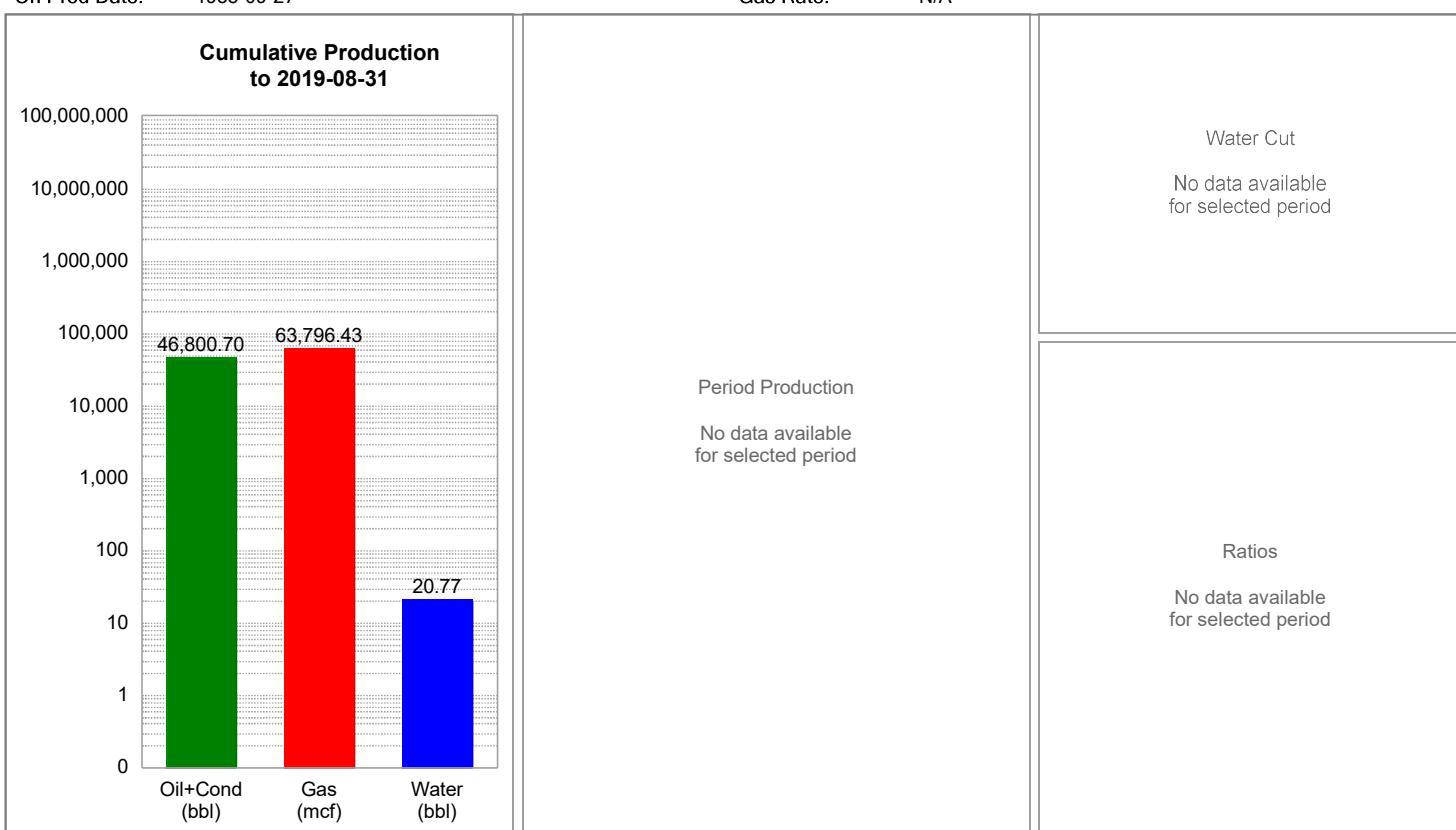
UWI:	00/06-04-047-07W5/00	On Prod:	1955-09-27	Cum Oil:	46800.7 bbl
Well Name:	BIRCHILL PEMBINA IN 6-4-47-7	Prod Form:	CARDSD	Cum Gas:	63796.4 mcf
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	20.8 bbl
Orig Licensee:	BONTERRA ENERGY CORP.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 bbl
Status:	SUSPENDED WATER INJECTOR	Battery:		Cum Inj Gas:	0.0 mcf
				Cum Inj Wtr:	1541512.0 bbl



## Production Summary

UWI: 00/06-04-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-09-27

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-06-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100080604707W500
Mode:	Injection	Bottom Hole Location:	100080604707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N2021.0 W660.1 ft
License		Bottom Hole Coord:	N2021.0 W660.1 ft
Well Name:	BIRCHILL PEMBINA IN 8-6-47-7	Surface Hole Latitude:	53.023852
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-115.003381
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.023852
Original Licensee:	BONTERRA ENERGY CORP.	Bottom Hole Longitude:	-115.003381
License Number:	0009675	Dates	
Province/State:	Alberta	License Date:	1955-07-05
Confidential:	Non-Confidential	Spud Date:	1955-07-09
Lahee:	DEVELOPMENT	Final Drill Date:	1955-07-24
Rig Type:	Vertical	Rig Release Date:	1955-07-24
Well Type:	Vertical	Completion Date:	1955-08-02
License Type:		Days Drilled:	15
Well Event Type:	Parent	On Production Date:	1955-08-02
Purpose:		On Injection Date:	1960-01-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1960-01-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2944.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5336.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5336.9 ft
Play		Total Depth:	5336.9 ft
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	1955-07-05	00720000	LICENSED
2	1955-07-09	00730000	SPUDDED
3	1955-07-24	00740000	FINISHED DRILLING
4	1955-07-24	00070000	DRILLED AND CASED
5	1955-08-02	01100000	FLOWING OIL
6	1956-03-13	01110000	PUMPING OIL
7	1960-01-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2944.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1126.0	1126.0	1818.9	1930.1	
BELLYRV	3056.1	3056.1	-111.2	1120.7	
LEAPRK	4176.8	4176.8	-1232.0	431.1	
COLRAD	4607.9	4607.9	-1663.1	552.2	
CARD	5160.1	5160.1	-2215.2	71.9	
CARDSD	5232.0	5232.0	-2287.1	69.9	
BLACKSTN	5301.8	5301.8	-2357.0		

Total TVD: 5336.9 ft  
 Total Depth: 5336.9 ft

Projected Formation: BLACKSTONE  
 Projected Total Depth:

## User Tops (KB Elevation: 2944.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5250.0 ft - 5299.9 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 86500M3/D (3.055MMCF/D) MAX OIL TO SURFACE: 119.2M3/D (4209.485CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5232.0	5282.2	49.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-08-01	JET PERFORATION	5290.0	5299.9	13		
2	1955-08-01	TREATMENT	5290.0	5299.9	0	ACID SQUEEZE	
3	1955-08-01	TREATMENT	5290.0	5299.9	0	FRACTURED	
4	1955-08-01	BULLET	5250.0	5266.1	13		
		PERFORATION					
5	1957-02-14	TREATMENT	5250.0	5266.1	0	ACID SQUEEZE	
6	1957-02-14	TREATMENT	5250.0	5266.1	0	FRACTURED	
7	1957-02-14	BULLET	5231.0	5242.1	13		
		PERFORATION					
8	1957-02-14	TREATMENT	5231.0	5242.1	0	ACID SQUEEZE	
9	1957-02-14	TREATMENT	5231.0	5242.1	0	FRACTURED	
10	1970-10-22	TREATMENT	5183.7	5183.7	0	PACKER-BRIDGE PLUG	
11	1970-10-23	TREATMENT	5231.0	5299.9	0	ACID SQUEEZE	
12	1970-10-23	TREATMENT	5231.0	5299.9	0	CONDENSATE SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		603.0		603.0	10.748		
2	Production		5333.0	BLACKSTN	5333.0	7.000		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

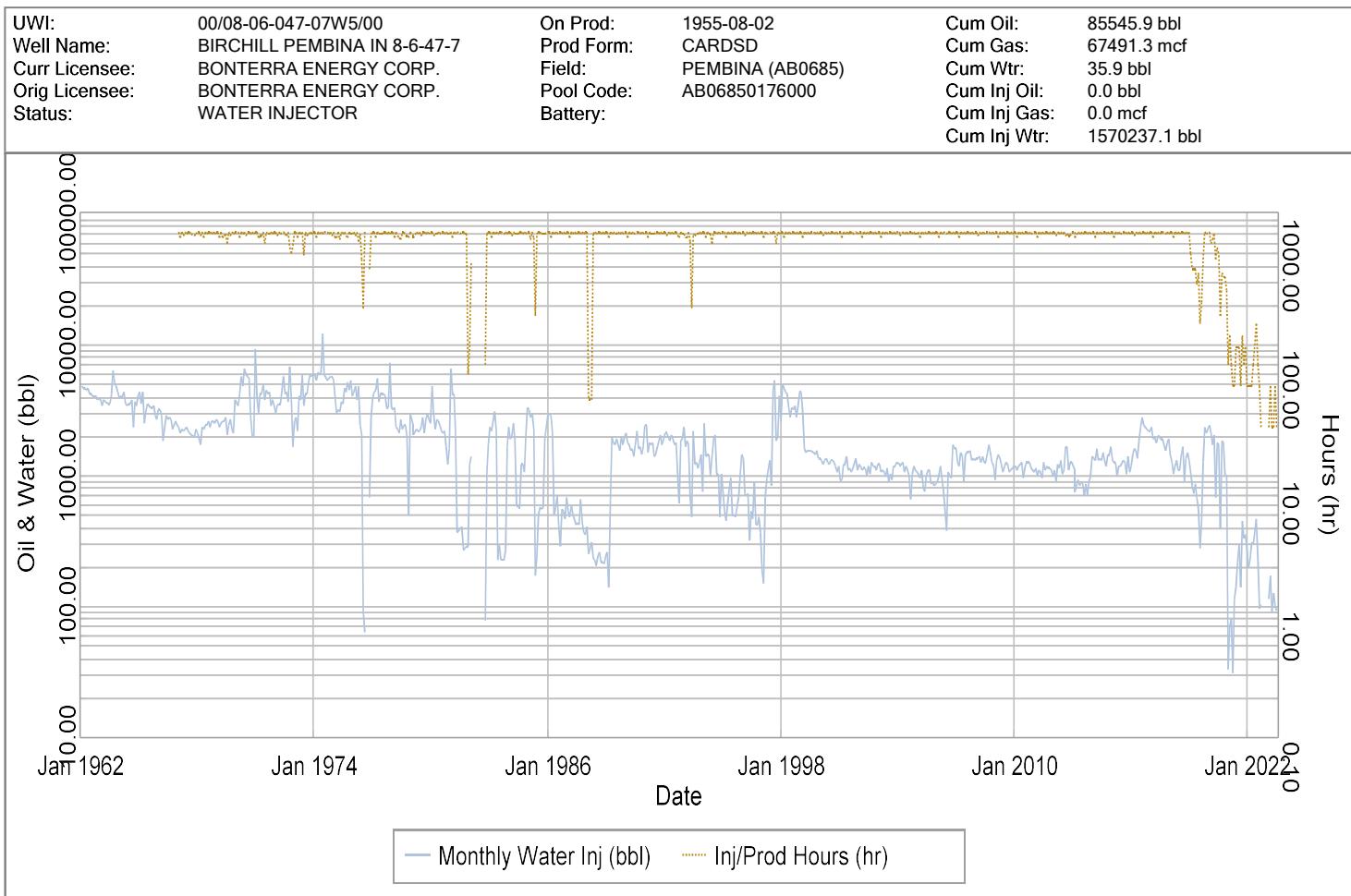
## Logs Run

#	Method Description
1	ELECTRIC LOG
2	MICRO-LATEROLOG
3	MICRO LOG
4	COMPENSATED NEUTRON LOG
5	RA UNSPECIFIED

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

On Prod Date:	1955-08-02	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

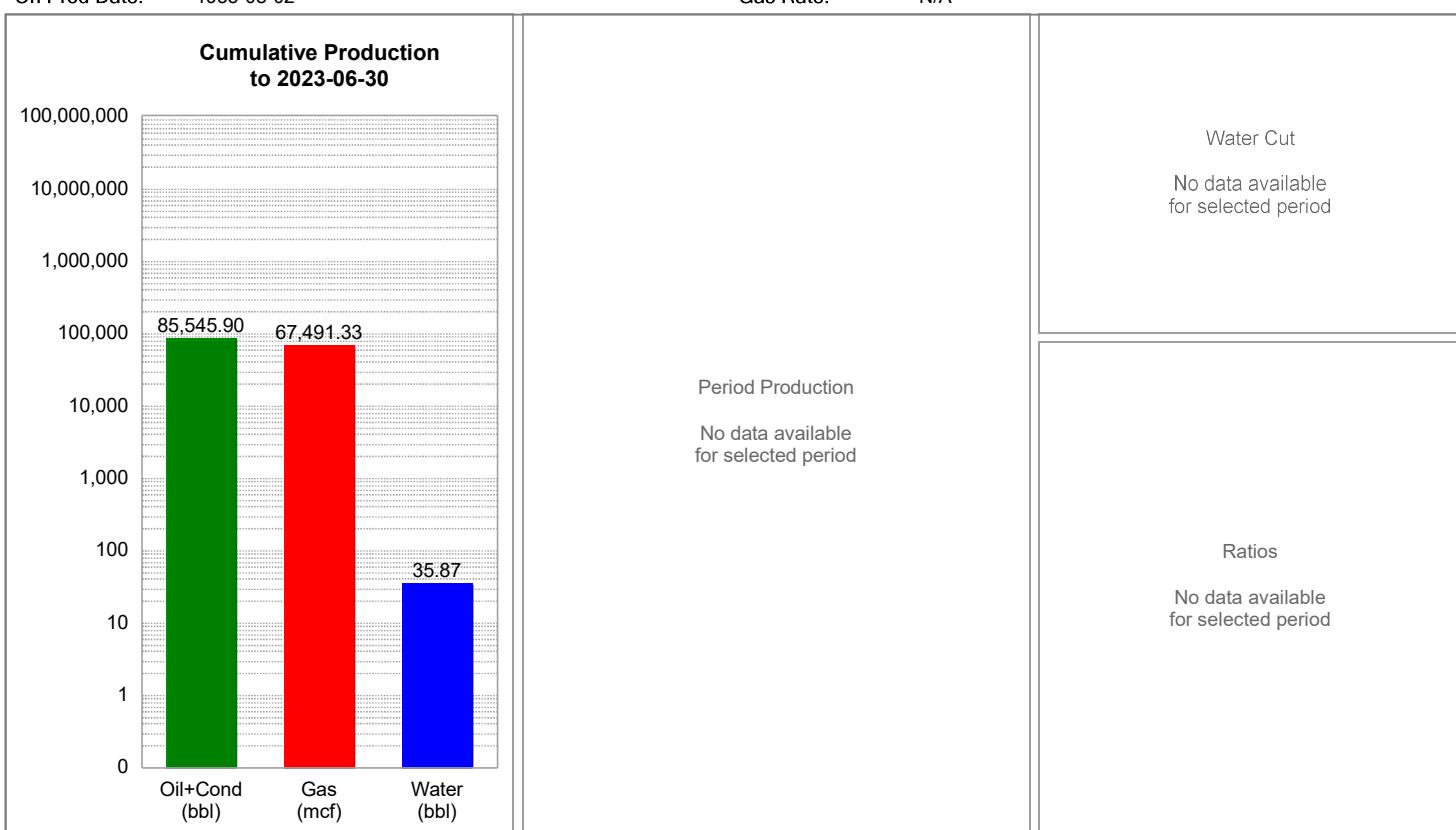
## Production Graph



## Production Summary

UWI: 00/08-06-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-08-02

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-07-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100080704707W500
Mode:	Injection	Bottom Hole Location:	100080704707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W664.0 ft
License		Bottom Hole Coord:	N1980.0 W664.0 ft
Well Name:	ENERPLUS ET AL B PEM IN 8-7-47-7	Surface Hole Latitude:	53.037743
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-115.003443
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.037743
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-115.003443
License Number:	0009177	Dates	
Province/State:	Alberta	License Date:	1955-02-16
Confidential:	Non-Confidential	Spud Date:	1955-02-21
Lahee:	DEVELOPMENT	Final Drill Date:	1955-03-05
Rig Type:	Vertical	Rig Release Date:	1955-03-05
Well Type:	Vertical	Completion Date:	1955-03-17
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-03-17
Purpose:		On Injection Date:	1956-11-28
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-11-28
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2853.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2840.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5250.0 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5250.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5250.0 ft
Play		Total Depth:	5250.0 ft
Play:	CARDIUM	Plugback Depth:	5154.9 ft
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	1955-02-16	00720000	LICENSED
2	1955-02-21	00730000	SPUDDED
3	1955-03-05	00740000	FINISHED DRILLING
4	1955-03-05	00070000	DRILLED AND CASED
5	1955-03-17	01100000	FLOWING OIL
6	1956-03-18	01110000	PUMPING OIL
7	1956-11-28	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2853.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1042.0	1042.0	1811.0	1911.1	
BELLYRV	2953.1	2953.1	-100.1	1109.9	
LEAPRK	4063.0	4063.0	-1210.0	431.1	
COLRAD	4494.1	4494.1	-1641.1	551.8	
CARD	5045.9	5045.9	-2192.9	73.2	
CARDSD	5119.1	5119.1	-2266.1	69.9	
BLACKSTN	5189.0	5189.0	-2336.0		

Total TVD: 5250.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5250.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2853.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5160.1 ft - 5188.0 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 30800M3/D (1.088MMCF/D) MAX OIL TO SURFACE: 44.5M3/D (1571.494CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-03-09	JET PERFORATION	5160.1	5188.0		13	
2	1955-03-12	TREATMENT	5160.1	5188.0	0	ACID SQUEEZE	
3	1955-03-12	TREATMENT	5160.1	5188.0	0	FRACTURED	
4	1956-08-30	JET PERFORATION	5125.0	5130.9		13	
5	1956-08-30	TREATMENT	5125.0	5130.9	0	ACID WASH	
6	1958-07-04	TREATMENT	5154.9	5190.0	0	CEMENT PLUG	
7	1958-07-04	TREATMENT	5125.0	5154.9	0	FRACTURED	
8	1958-07-04	JET PERFORATION	5119.1	5126.0		13	
9	1960-01-11	TREATMENT	5119.1	5126.0	0	ACID WASH	
10	1960-05-22	TREATMENT	5119.1	5126.0	0	ACID WASH	
11	1970-07-20	TREATMENT	5125.0	5130.9	0	ACID SQUEEZE	
12	2002-10-30	JET PERFORATION	5118.1	5139.4		17	
13	2002-10-31	TREATMENT	5088.6	5088.6	0	PACKER-BRIDGE PLUG	
14	2002-10-31	TREATMENT	5118.1	5139.4	0	ACID SQUEEZE	
15	2009-08-25	TREATMENT	5119.1	5130.9	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		609.9		609.9	10.748		
2	Production		5245.1	BLACKSTN	5245.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

#	Method Description
1	CALIPER
2	ELECTRIC LOG
3	COMPENSATED NEUTRON LOG
4	RA UNSPECIFIED
5	TEMPERATURE

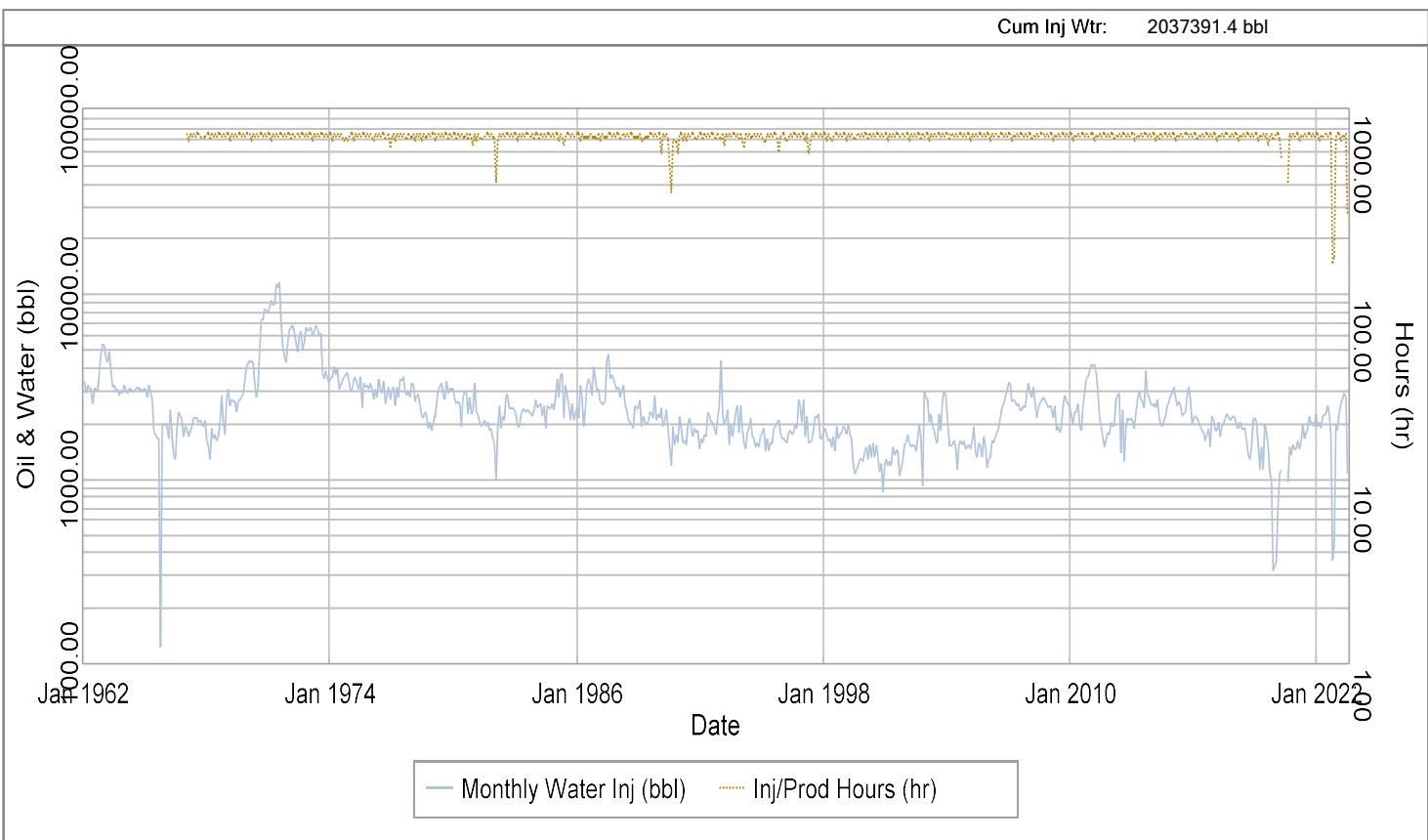
## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	1955-03-17	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/MMcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

## Production Graph

UWI:	00/08-07-047-07W5/00	On Prod:	1955-03-17	Cum Oil:	36437.0 bbl
Well Name:	ENERPLUS ET AL B PEM IN 8-7-47-7	Prod Form:	CARDSD	Cum Gas:	11844.3 mcf
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	28.9 bbl
Orig Licensee:	ENERPLUS OIL & GAS LTD.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 bbl
Status:	WATER INJECTOR	Battery:		Cum Inj Gas:	0.0 mcf

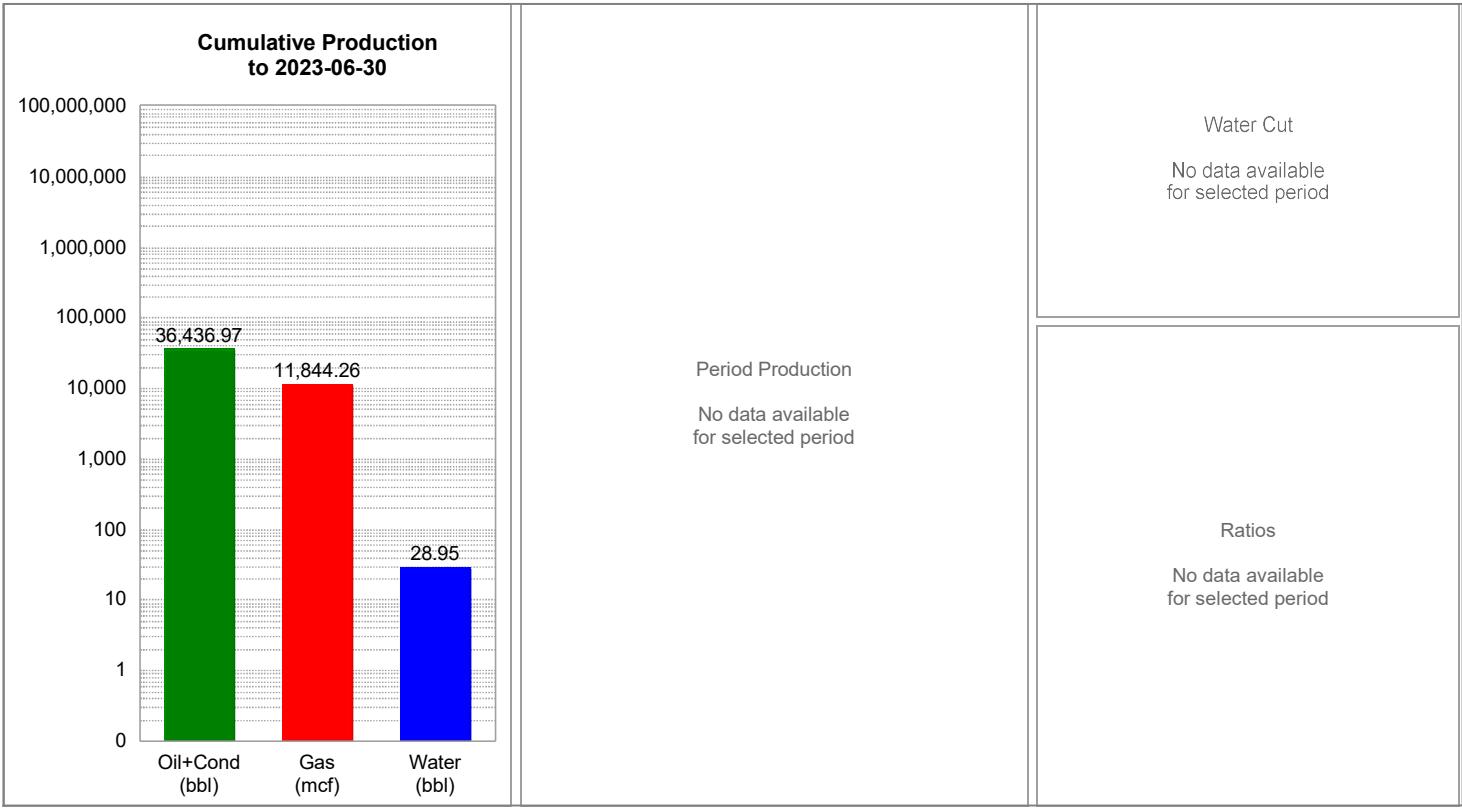
## Production Graph - Continued



## Production Summary

UWI: 00/08-07-047-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1955-03-17

Hours: 0  
 Oil+Cond Rate: N/A  
 Gas Rate: N/A



## Header

UWI:	00/08-11-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100081104707W500
Mode:	Injection	Bottom Hole Location:	100081104707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 8-11-47-7	Surface Hole Latitude:	53.037747
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.905838
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.037747
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.905838
License Number:	0010087	Dates	
Province/State:	Alberta	License Date:	1955-08-31
Confidential:	Non-Confidential	Spud Date:	1955-11-04
Lahee:	DEVELOPMENT	Final Drill Date:	1955-11-15
Rig Type:	Vertical	Rig Release Date:	1955-11-15
Well Type:	Vertical	Completion Date:	1955-12-01
License Type:		Days Drilled:	11
Well Event Type:	Parent	On Production Date:	1955-12-01
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2985.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5294.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5294.9 ft
Play		Total Depth:	5294.9 ft
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	1955-08-31	00720000	LICENSED
2	1955-11-04	00730000	SPUDDED
3	1955-11-15	00740000	FINISHED DRILLING
4	1955-11-15	00070000	DRILLED AND CASED
5	1955-12-01	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2985.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1086.9	1086.9	1899.0	1911.1	
BELLYRV	2998.0	2998.0	-12.1	1102.0	
LEAPRK	4100.1	4100.1	-1114.2	448.8	
COLRAD	4548.9	4548.9	-1563.0	531.2	
CARD	5080.1	5080.1	-2094.2	79.1	
CARDSD	5159.1	5159.1	-2173.2	70.9	
BLACKSTN	5230.0	5230.0	-2244.1		

Total TVD: 5294.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5294.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2985.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5202.1 ft - 5223.1 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 60100M3/D (2.122MMCF/D) MAX OIL TO SURFACE: 236.6M3/D (8355.405CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-11-18	JET PERFORATION	5202.1	5208.0	13		
2	1955-11-18	JET PERFORATION	5211.9	5216.9	13		
3	1955-11-18	JET PERFORATION	5219.2	5223.1	13		
4	1955-11-27	TREATMENT	5202.1	5223.1	0	ACID SQUEEZE	
5	1955-11-27	TREATMENT	5202.1	5223.1	0	FRACTURED	
6	1956-08-10	JET PERFORATION	5164.0	5171.9	13		
7	1956-08-10	JET PERFORATION	5178.1	5195.9	13		
8	1957-03-29	TREATMENT	5164.0	5223.1	0	ACID WASH	
9	1958-06-24	TREATMENT	5190.0	5219.2	0	HYDROMITE SQUEEZE OR PLUG	
10	1958-06-24	TREATMENT	5164.0	5190.0	0	FRACTURED	
11	1960-10-31	TREATMENT	5164.0	5190.0	0	FRACTURED	
12	1970-07-14	TREATMENT	5164.0	5195.9	0	ACID SQUEEZE	
13	1999-09-10	JET PERFORATION	5164.0	5187.0	20		
14	1999-09-14	TREATMENT	5164.0	5223.1	0	ACID SQUEEZE	
15	2008-03-29	TREATMENT	5164.0	5190.0	0	FRACTURED	
16	2008-03-28	TREATMENT	5133.2	5133.2	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		616.1		616.1	10.748		
2	Production		5294.9	BLACKSTN	5294.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

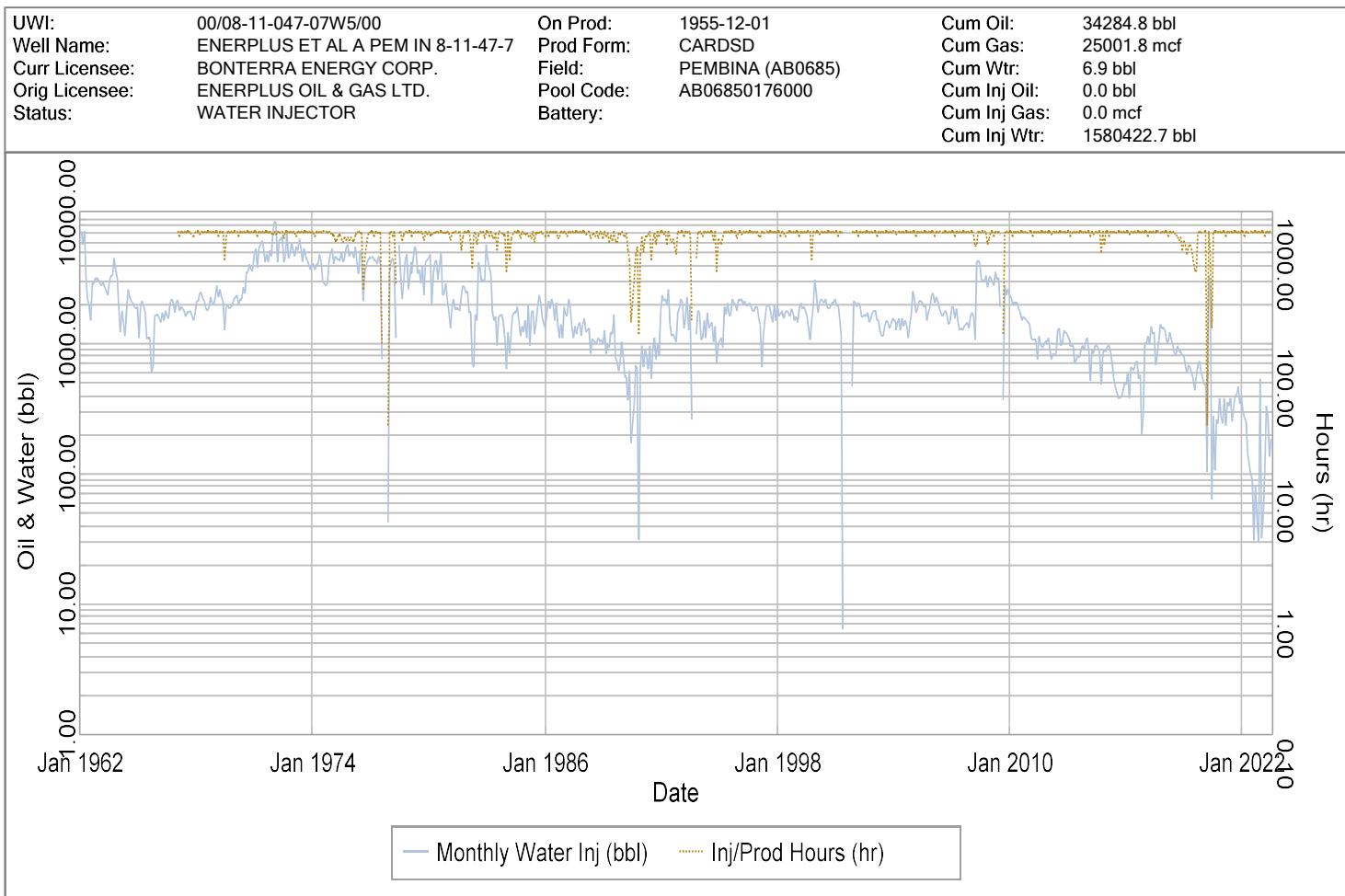
## # Method Description

- 1 GAMMA RAY
- 2 COMPENSATED NEUTRON LOG
- 3 RA UNSPECIFIED

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

On Prod Date:	1955-12-01	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

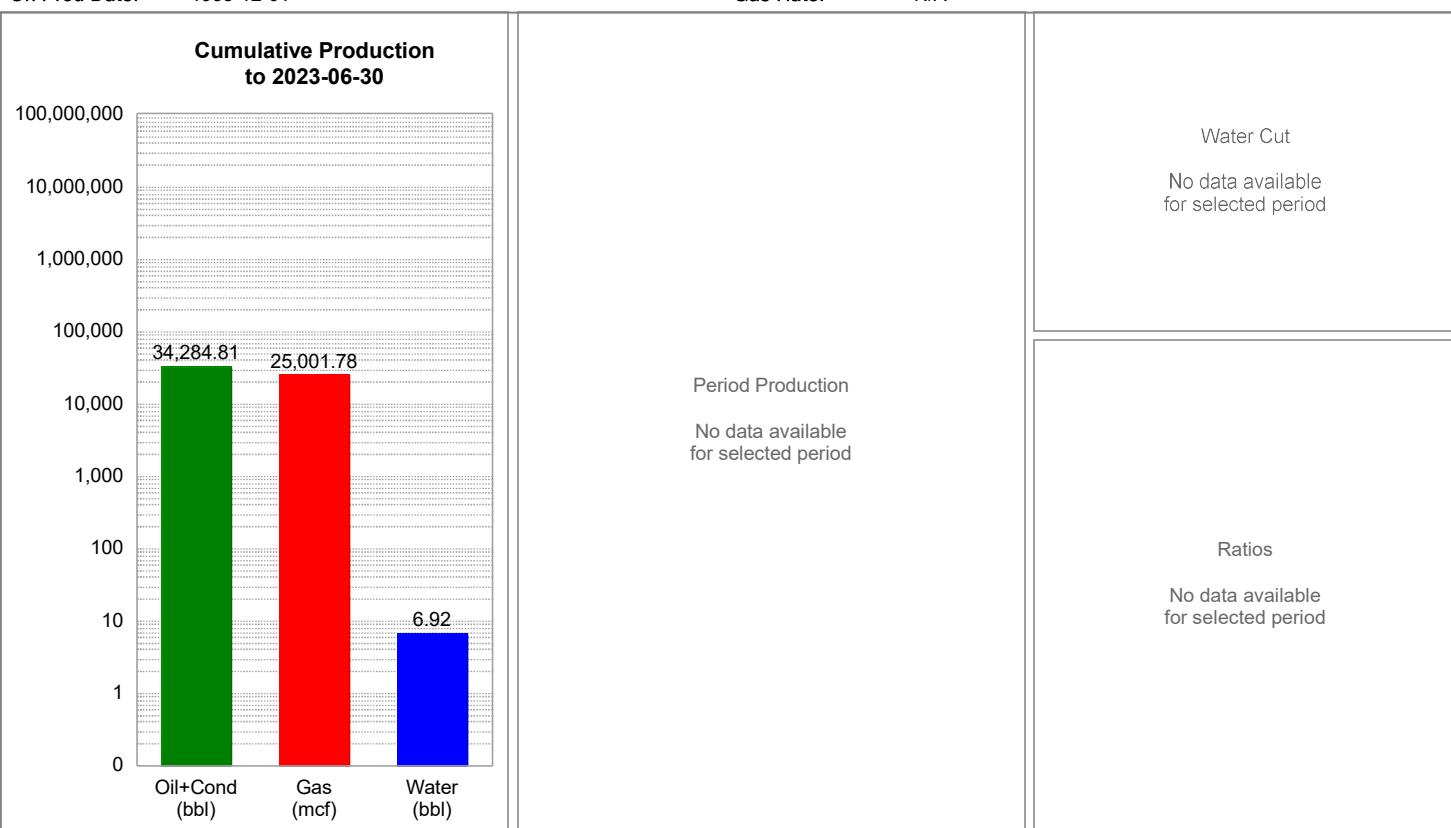
## Production Graph



## Production Summary

UWI: 00/08-11-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-12-01

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/16-03-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100160304707W500
Mode:	Injection	Bottom Hole Location:	100160304707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 W660.1 ft
License		Bottom Hole Coord:	S660.1 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 16-3-47-7	Surface Hole Latitude:	53.030530
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.930312
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.030530
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.930312
License Number:	0010103	Dates	
Province/State:	Alberta	License Date:	1955-08-31
Confidential:	Non-Confidential	Spud Date:	1955-09-28
Lahee:	DEVELOPMENT	Final Drill Date:	1955-10-13
Rig Type:	Vertical	Rig Release Date:	1955-10-13
Well Type:	Vertical	Completion Date:	1955-10-23
License Type:		Days Drilled:	15
Well Event Type:	Parent	On Production Date:	1955-10-23
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1956-12-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2961.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5290.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5290.0 ft
Play		Total Depth:	5290.0 ft
Play:	CARDIUM	Plugback Depth:	5174.9 ft
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	1955-08-31	00720000	LICENSED
2	1955-09-28	00730000	SPUDDED
3	1955-10-13	00740000	FINISHED DRILLING
4	1955-10-13	00070000	DRILLED AND CASED
5	1955-10-23	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2961.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1050.9	1050.9	1910.1	1941.3	
BELLYRV	2992.1	2992.1	-31.2	1090.9	
LEAPRK	4083.0	4083.0	-1122.0	446.9	
COLRAD	4529.9	4529.9	-1568.9	540.0	
CARD	5069.9	5069.9	-2108.9	78.1	
CARDSD	5148.0	5148.0	-2187.0	72.2	
BLACKSTN	5220.1	5220.1	-2259.2		

Total TVD: 5290.0 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5290.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2961.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5169.0 ft - 5194.9 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 78500M3/D (2.772MMCF/D) MAX OIL TO SURFACE: 230.5M3/D (8139.986CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-10-16	BULLET PERFORATION	5169.0	5186.0	13		
2	1955-10-16	JET PERFORATION	5190.0	5194.9	13		
3	1955-10-17	TREATMENT	5169.0	5194.9	0	ACID SQUEEZE	
4	1955-10-18	TREATMENT	5169.0	5194.9	0	FRACTURED	
5	1956-09-09	JET PERFORATION	5155.8	5167.0	13		
6	1956-09-09	TREATMENT	5155.8	5194.9	0	ACID SQUEEZE	
7	1958-07-07	TREATMENT	5155.8	5194.9	0	FRACTURED	
8	1964-02-25	TREATMENT	5155.8	5194.9	0	ACID SQUEEZE	
9	1970-07-14	TREATMENT	5155.8	5194.9	0	ACID SQUEEZE	
10	2003-07-30	TREATMENT	5155.8	5194.9	0	ACID SQUEEZE	
11	2003-07-31	TREATMENT	5097.4	5097.4	0	PACKER-BRIDGE PLUG	
12	2008-09-10	TREATMENT	5155.8	5194.9	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		608.9		608.9	10.748		
2	Production		5284.1	BLACKSTN	5284.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

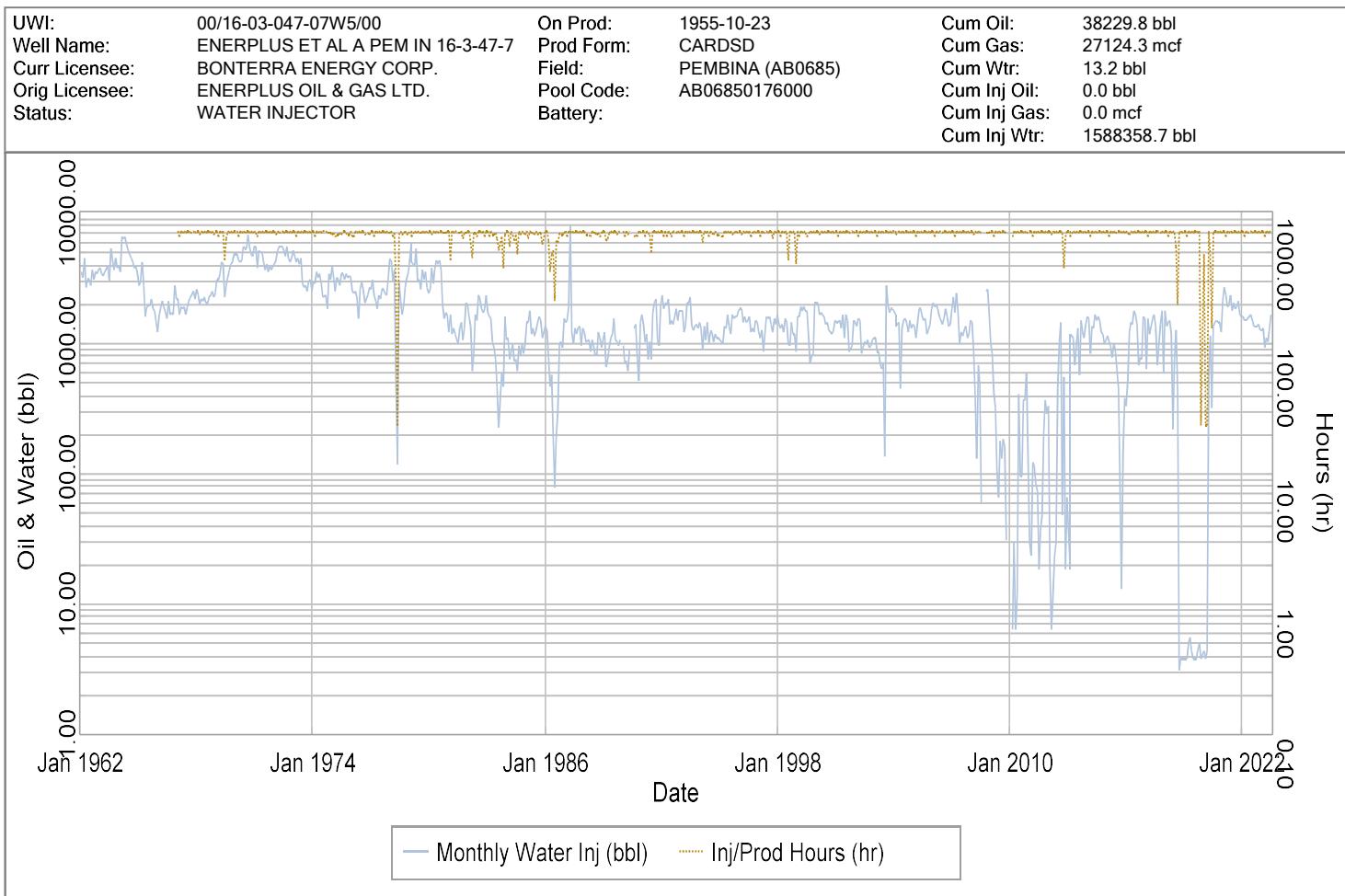
## Logs Run

# Method Description  
1 COMPENSATED NEUTRON LOG  
2 RA UNSPECIFIED

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

On Prod Date:	1955-10-23	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:
			0.00 mcf/d

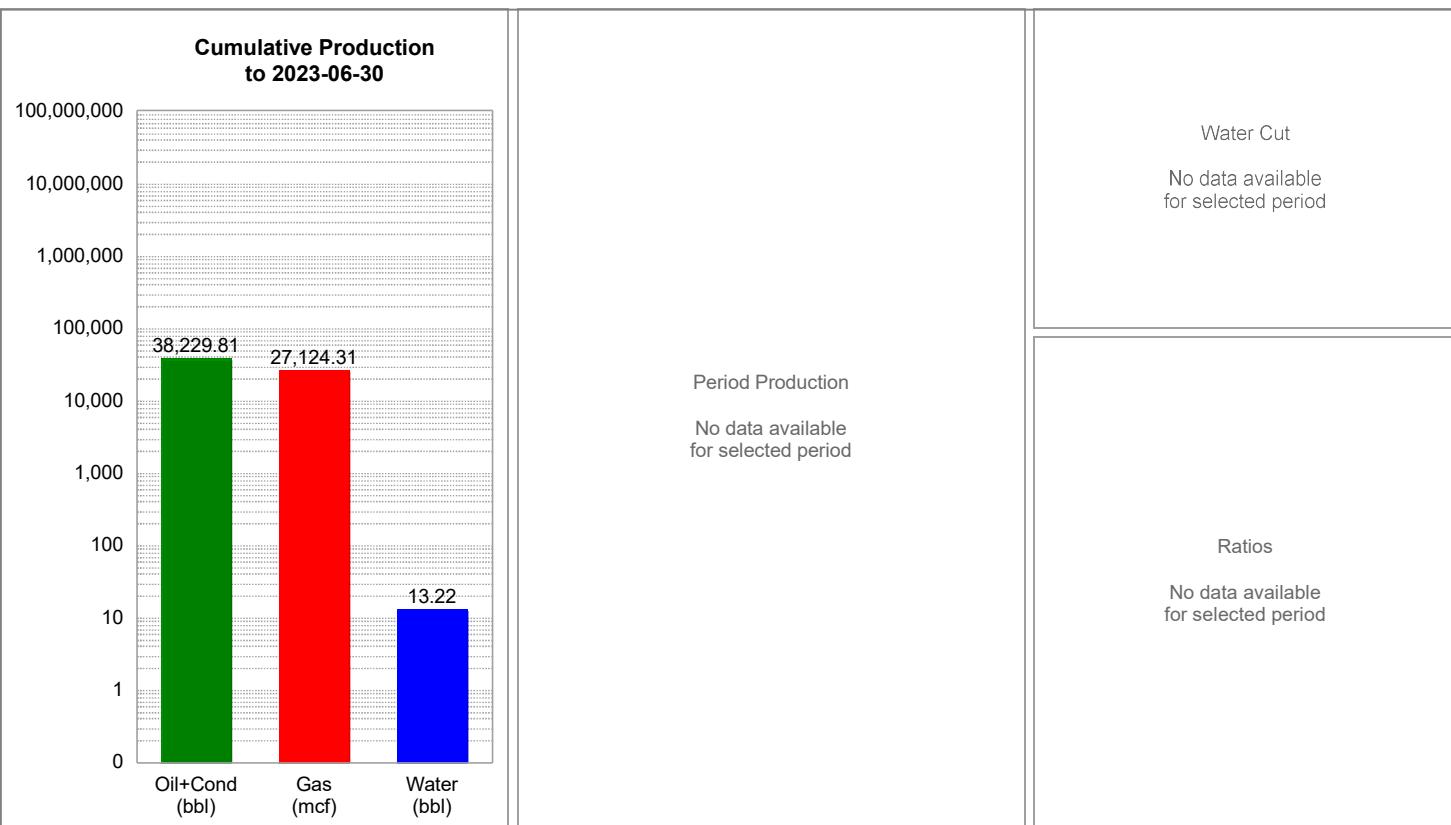
## Production Graph



## Production Summary

UWI: 00/16-03-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1955-10-23

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/16-04-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100160404707W500
Mode:	Injection	Bottom Hole Location:	100160404707W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 W660.1 ft
License		Bottom Hole Coord:	S660.1 W660.1 ft
Well Name:	ENERPLUS ET AL A PEM IN 16-4-47-7	Surface Hole Latitude:	53.030542
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.954664
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.030542
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.954664
License Number:	0009157	Dates	
Province/State:	Alberta	License Date:	1955-02-11
Confidential:	Non-Confidential	Spud Date:	1955-02-11
Lahee:	DEVELOPMENT	Final Drill Date:	1955-02-23
Rig Type:	Vertical	Rig Release Date:	1955-02-23
Well Type:	Vertical	Completion Date:	1955-03-07
License Type:		Days Drilled:	12
Well Event Type:	Parent	On Production Date:	1955-03-07
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1990-01-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2888.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2875.0 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5240.2 ft
Drilling Rig Number:		Total True Vertical Depth:	5240.2 ft
Play		Total Depth:	5240.2 ft
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	1955-02-11	00720000	LICENSED
2	1955-02-11	00730000	SPUDDED
3	1955-02-23	00740000	FINISHED DRILLING
4	1955-02-23	00070000	DRILLED AND CASED
5	1955-03-07	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	1989-10-06	06010300	SUSPENDED WATER INJECTOR
8	1990-01-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2888.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1018.0	1018.0	1870.1	1926.8	
BELLYRV	2944.9	2944.9	-56.8	1105.0	
LEAPRK	4049.9	4049.9	-1161.7	437.0	
COLRAD	4486.9	4486.9	-1598.8	533.1	
CARD	5020.0	5020.0	-2131.9	77.1	
CARDSD	5097.1	5097.1	-2209.0	65.0	
BLACKSTN	5162.1	5162.1	-2274.0		

Total TVD: 5240.2 ft  
 Total Depth: 5240.2 ft

Projected Formation: BLACKSTONE  
 Projected Total Depth:

## User Tops (KB Elevation: 2888.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5129.9 ft - 5148.0 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX OIL TO SURFACE: 296.4M3/D (10467.21CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1955-02-28	JET PERFORATION	5129.9	5148.0		13	
2	1955-03-05	TREATMENT	5129.9	5148.0	0	ACID SQUEEZE	
3	1955-03-05	TREATMENT	5129.9	5148.0	0	FRACTURED	
4	1956-09-07	JET PERFORATION	5100.1	5124.0		13	
5	1958-07-04	TREATMENT	5120.1	5146.0	0	CEMENT PLUG	
6	1958-07-04	TREATMENT	5100.1	5120.1	0	FRACTURED	
7	1959-12-01	TREATMENT	5100.1	5120.1	0	ACID SQUEEZE	
8	1959-12-22	TREATMENT	5100.1	5120.1	0	ACID WASH	
9	1960-07-16	TREATMENT	5100.1	5120.1	0	FRACTURED	
10	2005-06-15	JET PERFORATION	5095.1	5150.9	20		
11	2005-06-15	TREATMENT	5034.4	5034.4	0	PACKER-BRIDGE PLUG	
12	2005-06-15	TREATMENT	5034.4	5034.4	0	PACKER-BRIDGE PLUG	
13	2005-06-15	TREATMENT	5034.4	5034.4	0	PACKER-BRIDGE PLUG	
14	2005-09-07	TREATMENT	5108.3	5137.8	0	ACID SQUEEZE	
15	2005-09-07	TREATMENT	5108.3	5137.8	0	ACID SQUEEZE	
16	2005-09-07	TREATMENT	5108.3	5137.8	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		601.0		601.0	10.748		
2	Production		5237.9	BLACKSTN	5237.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

# Method Description  
1 CALIPER  
2 ELECTRIC LOG  
3 COMPENSATED NEUTRON LOG  
4 RA UNSPECIFIED  
5 TEMPERATURE

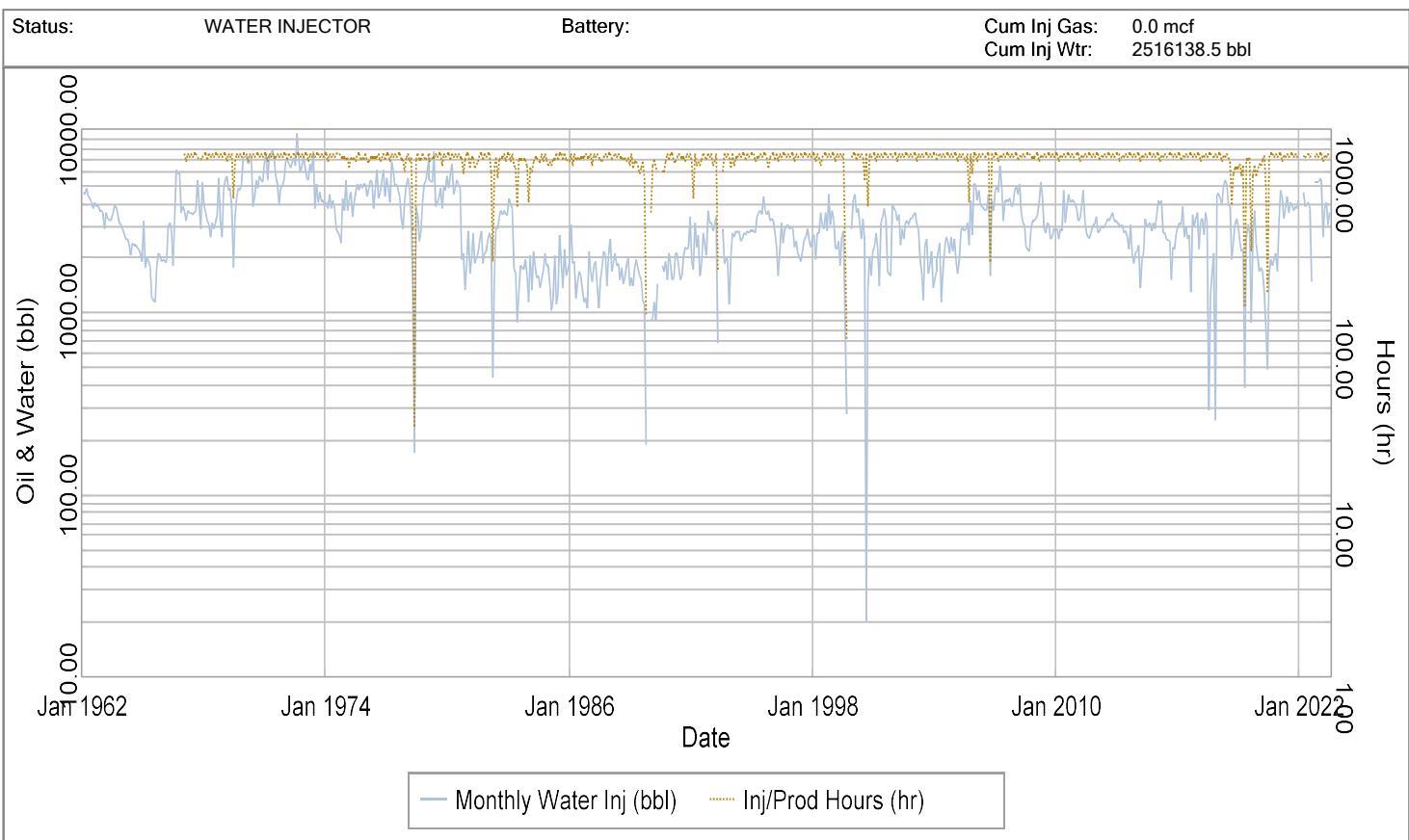
## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	1955-03-07	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

## Production Graph

UWI:	00/16-04-047-07W5/00	On Prod:	1955-03-07	Cum Oil:	57153.1 bbl
Well Name:	ENERPLUS ET AL A PEM IN 16-4-47-7	Prod Form:	CARDSD	Cum Gas:	49194.3 mcf
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	32.7 bbl
Orig Licensee:	ENERPLUS OIL & GAS LTD.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 bbl

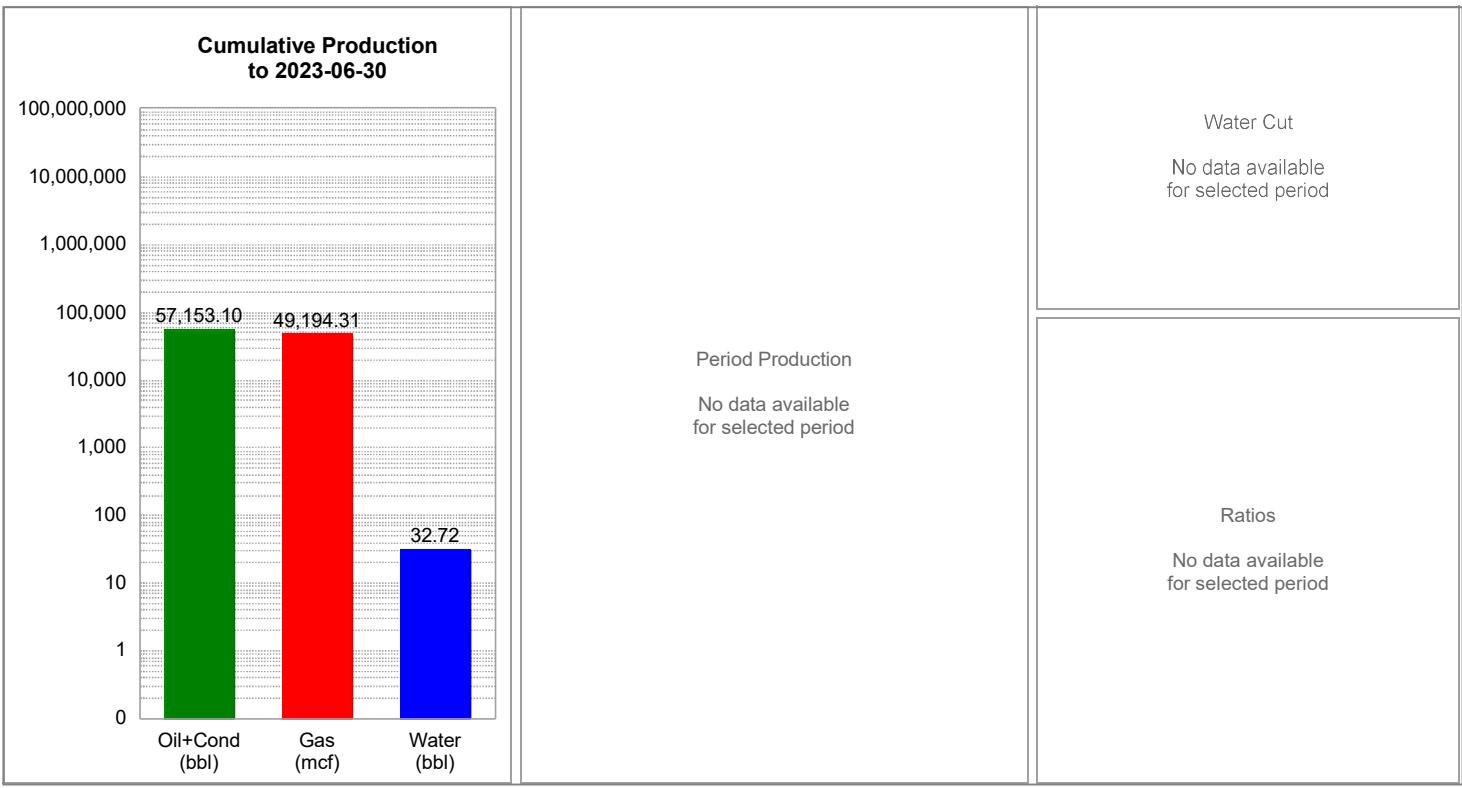
## Production Graph - Continued



## Production Summary

UWI: 00/16-04-047-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1955-03-07

Hours: 0  
 Oil+Cond Rate: N/A  
 Gas Rate: N/A



## Header

UWI:	00/06-09-047-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100060904707W500
Mode:	Injection	Bottom Hole Location:	100060904707W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 E1980.0 ft
License		Bottom Hole Coord:	N1980.0 E1980.0 ft
Well Name:	ENERPLUS ET AL A PEM 1N 6-9-47-7	Surface Hole Latitude:	53.037778
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.966700
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.037778
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.966700
License Number:	0009004	Dates	
Province/State:	Alberta	License Date:	1955-01-11
Confidential:	Non-Confidential	Spud Date:	1956-02-01
Lahee:	DEVELOPMENT	Final Drill Date:	1956-02-15
Rig Type:	Vertical	Rig Release Date:	
Well Type:	Vertical	Completion Date:	1956-02-29
License Type:		Days Drilled:	0
Well Event Type:	Parent	On Production Date:	1956-02-29
Purpose:		On Injection Date:	1956-12-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	1990-01-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2023-04-28
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2871.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	2860.9 ft
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5225.1 ft
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5225.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5225.1 ft
Play		Total Depth:	5225.1 ft
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	1955-01-11	00720000	LICENSED
2	1956-02-01	00730000	SPUDDED
3	1956-02-15	00740000	FINISHED DRILLING
4	1956-02-15	00070000	DRILLED AND CASED
5	1956-02-29	01100000	FLOWING OIL
6	1956-12-01	06000300	WATER INJECTOR
7	1989-11-01	06010300	SUSPENDED WATER INJECTOR
8	1990-01-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2871.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	993.1	993.1	1878.0	1936.0	
BELLYRV	2929.1	2929.1	-58.1	1107.0	
LEAPRK	4036.1	4036.1	-1165.0	435.0	
COLRAD	4471.1	4471.1	-1600.1	532.8	
CARD	5003.9	5003.9	-2132.9	79.1	
CARDSD	5083.0	5083.0	-2211.9	66.9	
BLACKSTN	5149.9	5149.9	-2278.9		

Total TVD:

5225.1 ft

Total Depth:

5225.1 ft

Projected Formation:

BLACKSTONE

Projected Total Depth:

## User Tops (KB Elevation: 2871.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5100.1 ft - 5117.1 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 55600M3/D (1.963MMCF/D) MAX OIL TO SURFACE: 233.7M3/D (8252.993CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-02-24	JET PERFORATION	5100.1	5117.1	13		
2	1956-02-25	TREATMENT	5100.1	5117.1	0	ACID SQUEEZE	
3	1956-02-25	TREATMENT	5100.1	5117.1	0	FRACTURED	
4	1958-09-03	TREATMENT	5108.9	5225.1	0	HYDROMITE SQUEEZE OR PLUG	
5	1960-01-28	TREATMENT	5100.1	5108.9	0	ACID WASH	
6	1960-02-13	TREATMENT	5100.1	5108.9	0	ACID WASH	
7	1960-07-16	TREATMENT	5100.1	5108.9	0	FRACTURED	
8	2008-09-25	TREATMENT	5084.3	5084.3	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		622.0		622.0	10.748		
2	Production		5225.1	BLACKSTN	5225.1	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

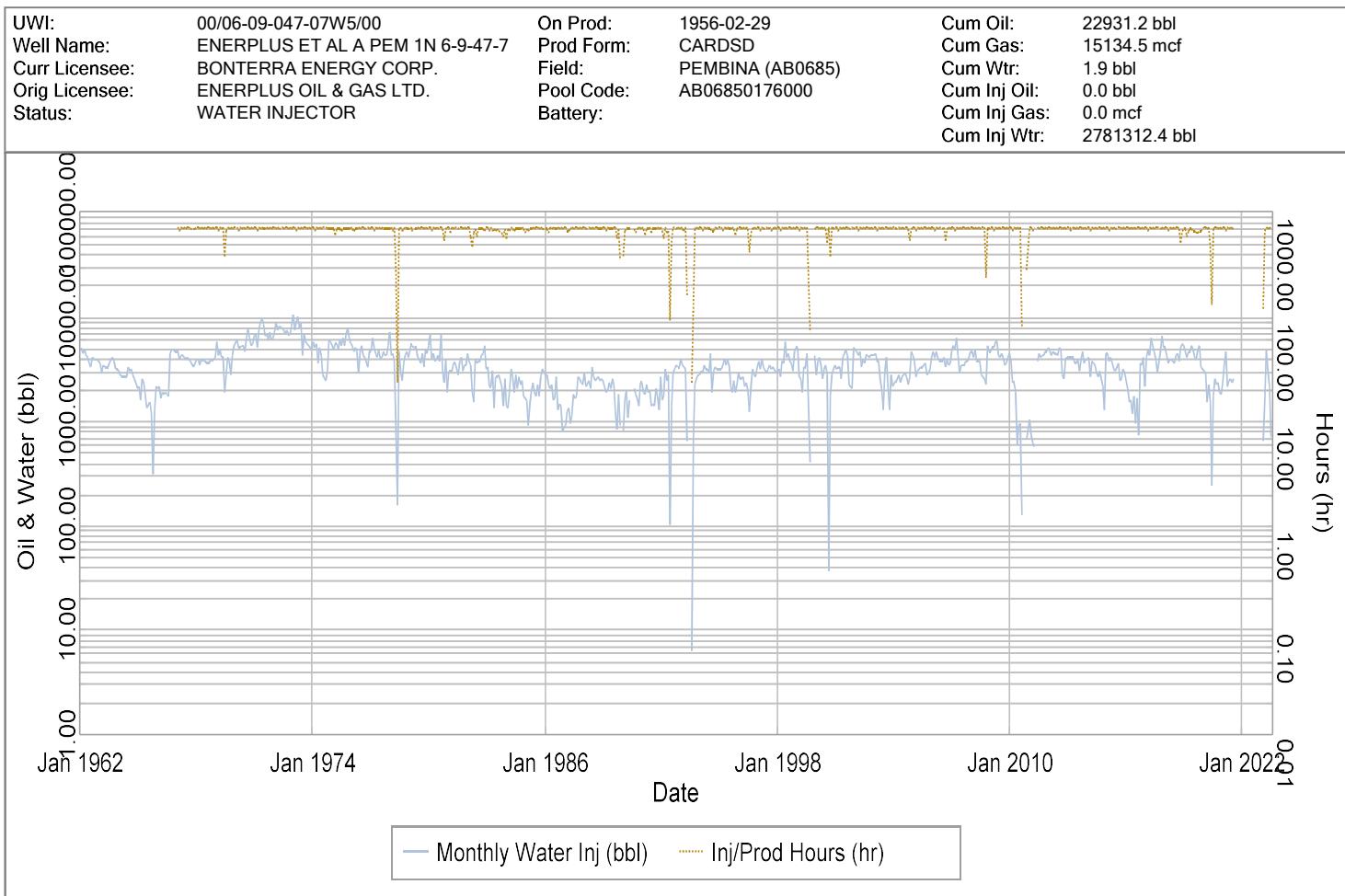
## # Method Description

- 1 COMPENSATED NEUTRON LOG
- 2 RA UNSPECIFIED

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

On Prod Date:	1956-02-29	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

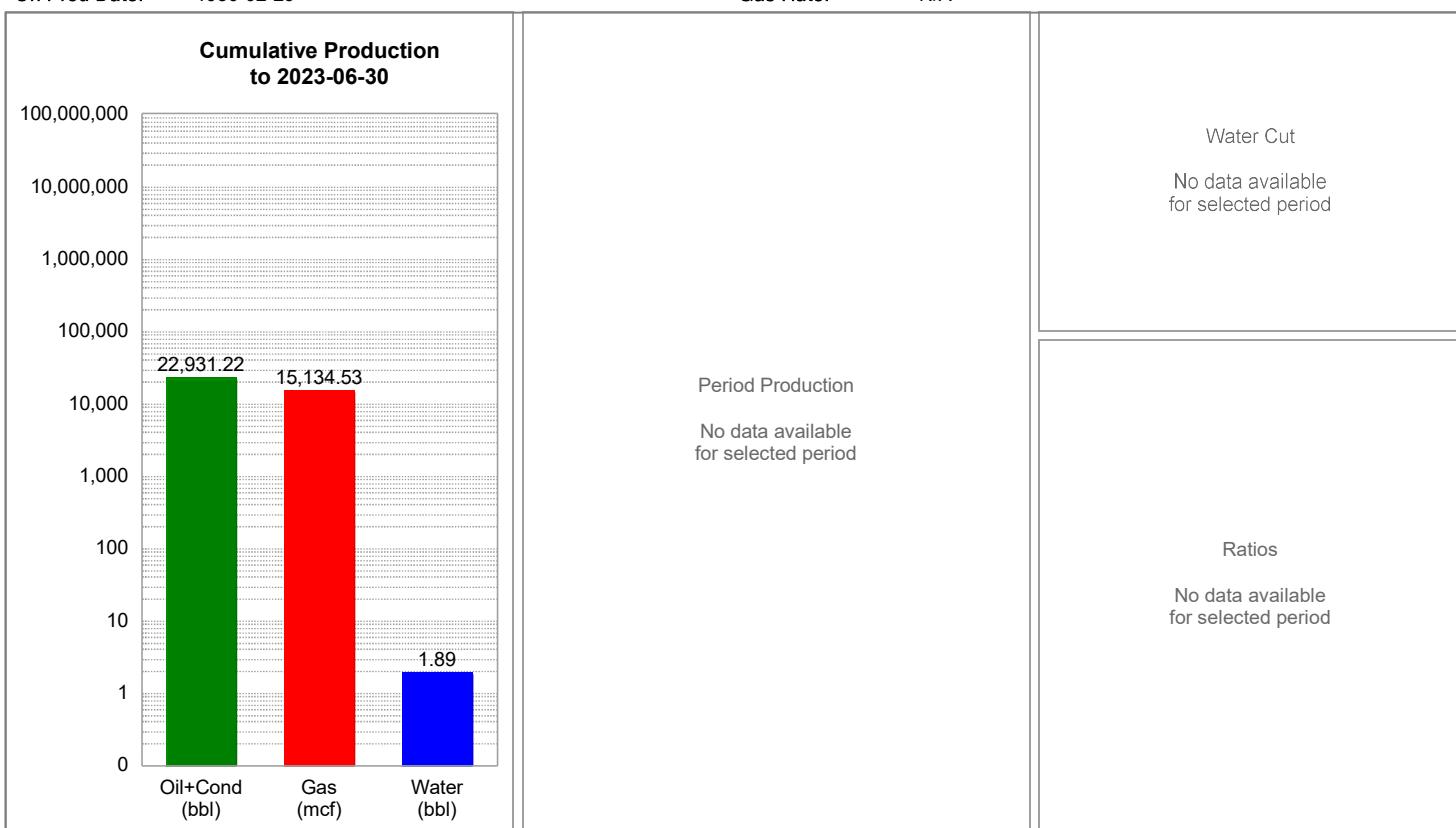
## Production Graph



## Production Summary

UWI: 00/06-09-047-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-02-29

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/08-29-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100082904607W500
Mode:	Suspended	Bottom Hole Location:	100082904607W500
Status:	SUSPENDED WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ENERPLUS ET AL D PEM 8-29-46-7	Surface Hole Latitude:	52.995024
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.970253
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.995024
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.970253
License Number:	0010848	Dates	
Province/State:	Alberta	License Date:	1956-01-26
Confidential:	Non-Confidential	Spud Date:	1956-02-08
Lahee:	DEVELOPMENT	Final Drill Date:	1956-02-24
Rig Type:	Vertical	Rig Release Date:	1956-02-24
Well Type:	Vertical	Completion Date:	1956-03-15
License Type:		Days Drilled:	16
Well Event Type:	Parent	On Production Date:	1956-03-15
Purpose:		On Injection Date:	1958-02-01
Well Objective:		Last Prod Date:	1961-12-31
Surface Abandon Type:		Current Status Date:	2019-02-06
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2022-09-16
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	3022.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5444.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5444.9 ft
Play		Total Depth:	5444.9 ft
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	1956-01-26	00720000	LICENSED
2	1956-02-08	00730000	SPUDDED
3	1956-02-24	00740000	FINISHED DRILLING
4	1956-02-24	00070000	DRILLED AND CASED
5	1956-03-15	01100000	FLOWING OIL
6	1958-02-01	02000300	GAS INJECTOR
7	1967-02-17	06000300	WATER INJECTOR
8	2007-12-12	06010300	SUSPENDED WATER INJECTOR
9	2011-04-18	06000300	WATER INJECTOR
10	2019-02-06	06010300	SUSPENDED WATER INJECTOR

## System Tops (KB Elevation: 3022.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1169.9	1169.9	1852.0	1966.2	157.5
BELLYRV	3136.2	3136.2	-114.2	1106.0	170.6
LEAPRK	4242.1	4242.1	-1220.1	438.0	
COLRAD	4680.1	4680.1	-1658.1	553.8	
CARD	5233.9	5233.9	-2211.9	76.1	
CARDSD	5310.0	5310.0	-2288.1	73.8	45.9
BLACKSTN	5383.9	5383.9	-2361.9		

Total TVD: 5444.9 ft Projected Formation: BLACKSTONE

Total Depth: 5444.9 ft Projected Total Depth:

## User Tops (KB Elevation: 3022.0 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5339.9 ft - 5355.0 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 218000M3/D (7.699MMCF/D) MAX OIL TO SURFACE: 151.4M3/D (5346.612CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5300.9	5359.9	59.1

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-03-09	JET PERFORATION	5339.9	5355.0	13		
2	1956-03-11	TREATMENT	5339.9	5355.0	0	ACID SQUEEZE	
3	1956-03-11	TREATMENT	5339.9	5355.0	0	FRACTURED	
4	1957-10-26	BULLET PERFORATION	5315.9	5339.9	0		
5	1957-10-26	TREATMENT	5315.9	5355.0	0	ACID SQUEEZE	
6	1985-10-09	TREATMENT	5315.9	5355.0	0	FRACTURED	
7	1988-04-05	TREATMENT	5202.1	5202.1	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface				597.1			
2	Production				5429.1	BLACKSTN	5429.1	10.748
	#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Linear Weight (lb/ft)			
1	Surface							
2	Production							

## Casing Cements - No data

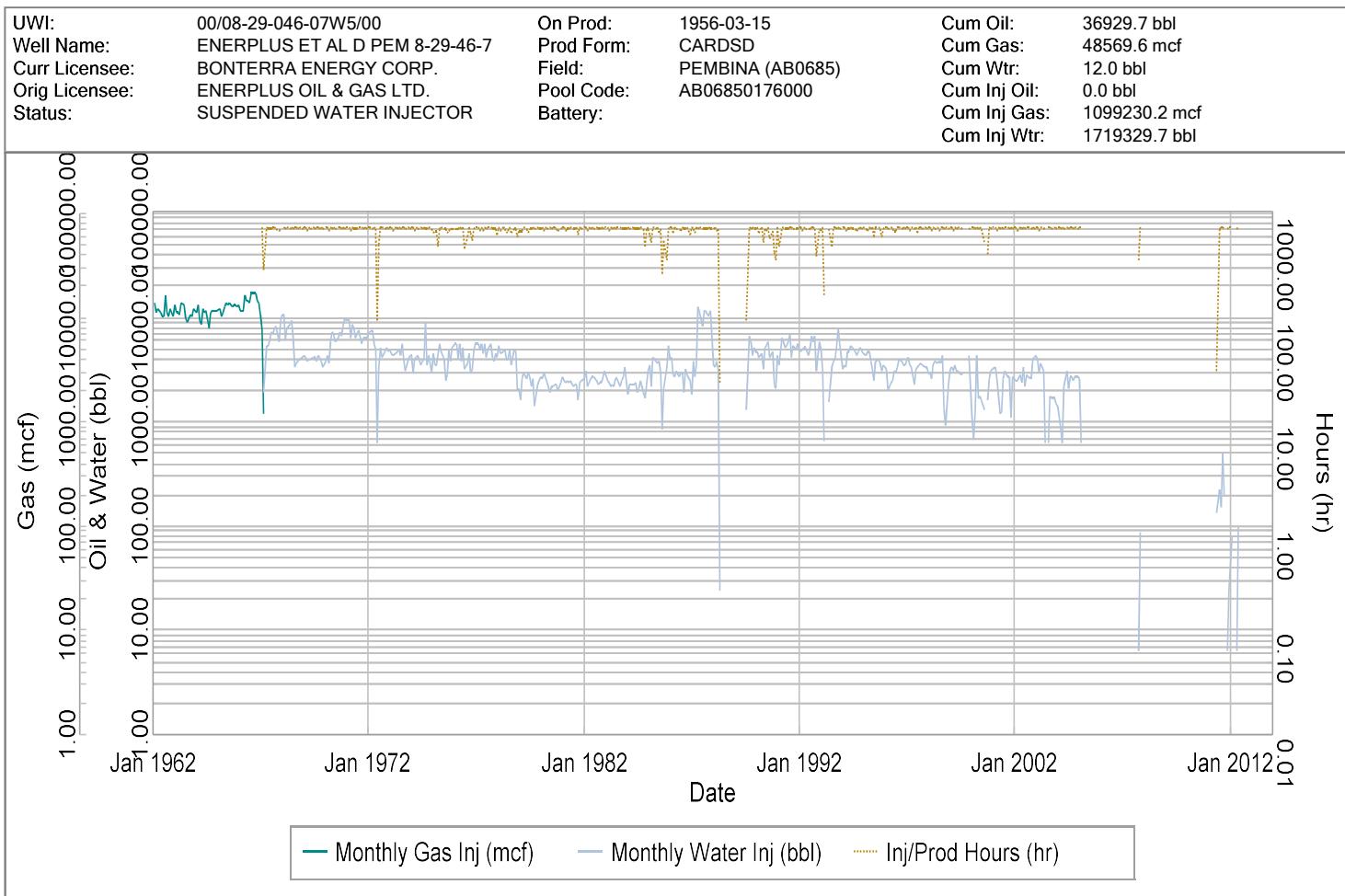
## Logs Run

- # Method Description
- 1 CASING INSPECTION
- 2 ELECTRIC LOG
- 3 COMPENSATED NEUTRON LOG
- 4 RA UNSPECIFIED

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

On Prod Date:	1956-03-15	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

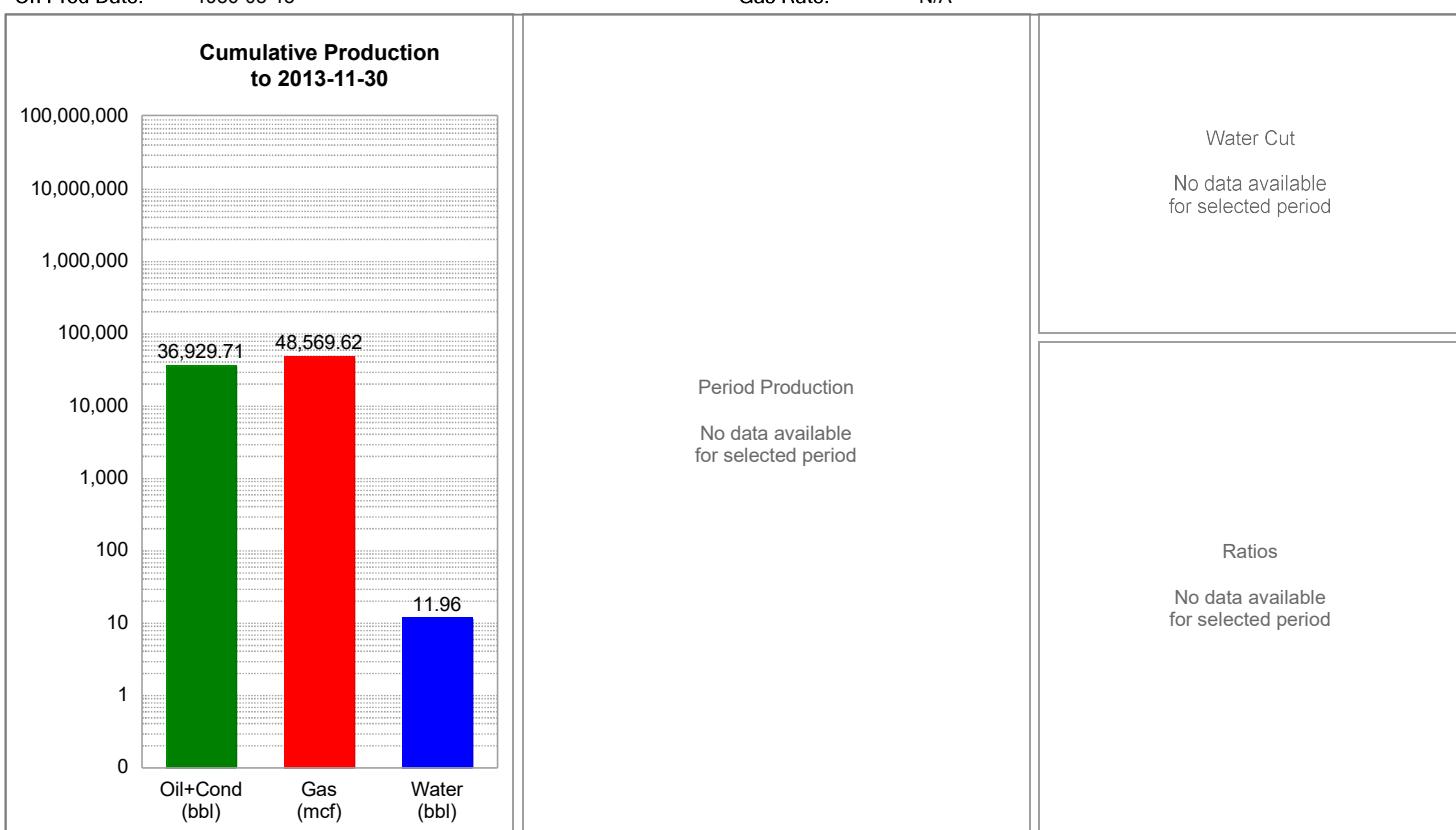
## Production Graph



## Production Summary

UWI: 00/08-29-046-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1956-03-15

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/14-27-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100142704607W500
Mode:	Injection	Bottom Hole Location:	100142704607W500
Status:	WATER INJECTOR	Surface Hole Coord:	S660.1 E1980.0 ft
License		Bottom Hole Coord:	S660.1 E1980.0 ft
Well Name:	ENERPLUS ET AL D PEMIN 14-27-46-7	Surface Hole Latitude:	53.002227
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.933811
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	53.002227
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.933811
License Number:	0010604	Dates	
Province/State:	Alberta	License Date:	1955-12-08
Confidential:	Non-Confidential	Spud Date:	1955-12-18
Lahee:	DEVELOPMENT	Final Drill Date:	1956-01-04
Rig Type:	Vertical	Rig Release Date:	1956-01-04
Well Type:	Vertical	Completion Date:	1956-01-25
License Type:		Days Drilled:	17
Well Event Type:	Parent	On Production Date:	1956-01-25
Purpose:		On Injection Date:	1961-10-06
Well Objective:		Last Prod Date:	1995-05-01
Surface Abandon Type:		Current Status Date:	2014-08-11
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2931.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5279.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5279.9 ft
Play		Total Depth:	5279.9 ft
Play:	CARDIUM	Plugback Depth:	5230.0 ft
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	1955-12-08	00720000	LICENSED
2	1955-12-18	00730000	SPUDDED
3	1956-01-04	00740000	FINISHED DRILLING
4	1956-01-04	00070000	DRILLED AND CASED
5	1956-01-25	01100000	FLOWING OIL
6	1961-10-06	06000300	WATER INJECTOR
7	1995-04-06	01100000	FLOWING OIL
8	1995-05-02	06000300	WATER INJECTOR
9	2007-12-12	06010300	SUSPENDED WATER INJECTOR
10	2013-06-11	00000500	OBSERVATION
11	2014-08-11	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2931.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1079.1	1079.1	1852.0	1893.0	136.8
BELLYRV	2972.1	2972.1	-41.0	1107.9	242.5
LEAPRK	4080.1	4080.1	-1149.0	440.0	
COLRAD	4520.0	4520.0	-1588.9	544.9	
CARD	5065.0	5065.0	-2133.9	75.1	31.8
CARDSD	5140.1	5140.1	-2209.0	83.0	2.0
BLACKSTN	5223.1	5223.1	-2292.0		

Total TVD: 5279.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5279.9 ft      Projected Total Depth:

User Tops (KB Elevation: 2931.1 ft) - No data

DSTs and IPs

# of Tests: 1

IP Test 70: 5180.1 ft - 5195.9 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 200100M3/D (7.066MMCF/D) MAX OIL TO SURFACE: 74.4M3/D (2627.397CF/D)

Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5131.9	5147.0	15.1
2		Diamond, conventional	5147.0	5191.9	44.9

Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-01-08	JET PERFORATION	5180.1	5186.0	13		
2	1956-01-08	JET PERFORATION	5190.0	5195.9	13		
3	1956-01-13	TREATMENT	5180.1	5195.9	0	ACID SQUEEZE	
4	1956-01-13	TREATMENT	5180.1	5195.9	0	FRACTURED	
5	1957-11-21	BULLET	5148.0	5161.1	13		
		PERFORATION					
6	1957-11-21	TREATMENT	5148.0	5161.1	0	ACID WASH	
7	1957-11-21	TREATMENT	5148.0	5161.1	0	FRACTURED	
8	1988-02-25	TREATMENT	5148.0	5195.9	0	ACID SQUEEZE	
9	1989-08-28	TREATMENT	5095.8	5095.8	0	PACKER-BRIDGE PLUG	

Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		621.1		621.1	10.748		
2	Production		5275.9	BLACKSTN	5275.9	5.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

Casing Cements - No data

Logs Run

# Method Description

- 1 ELECTRIC LOG
- 2 MICRO LOG
- 3 COMPENSATED NEUTRON LOG
- 4 RA UNSPECIFIED

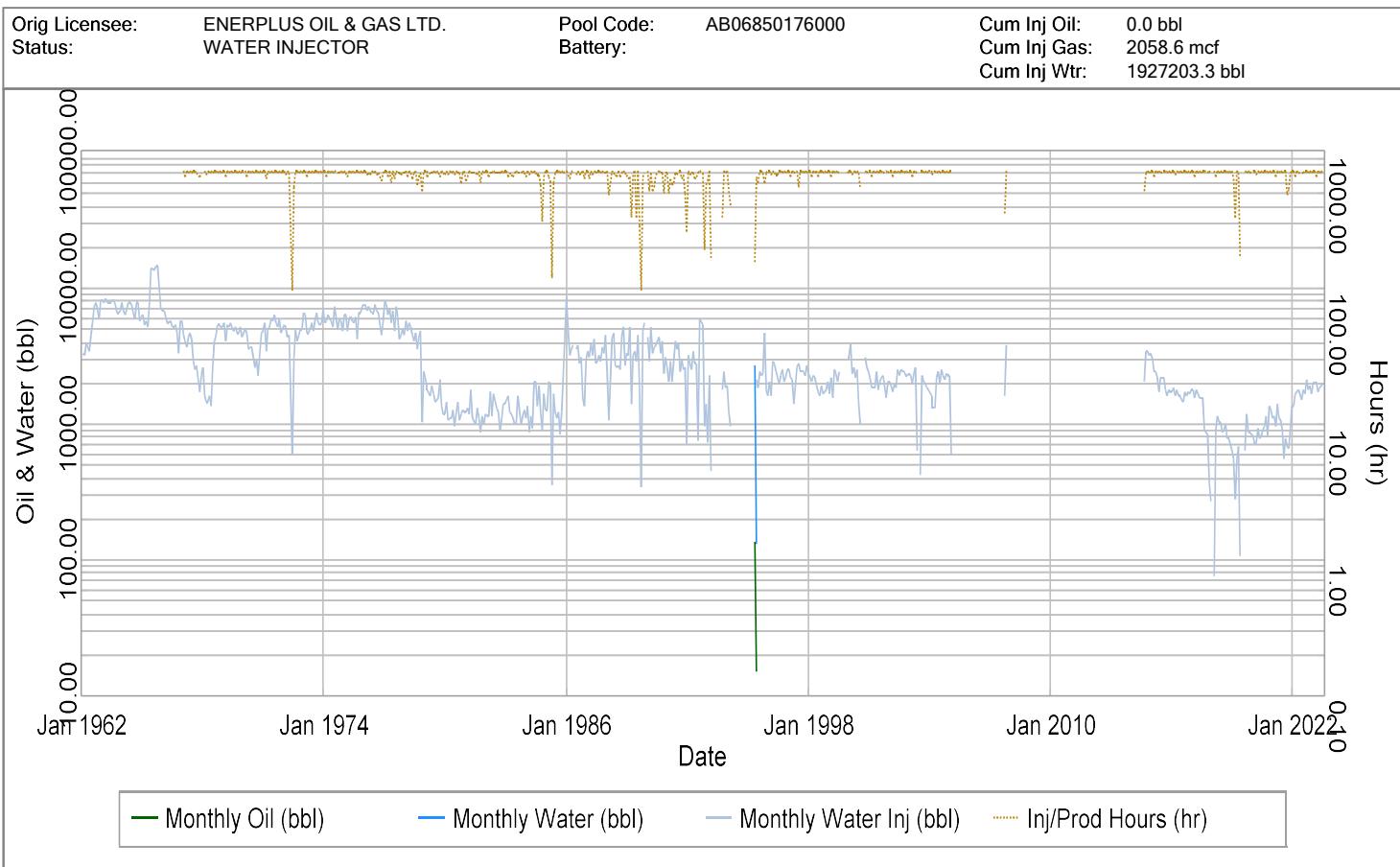
Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	1956-01-25	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

Production Graph

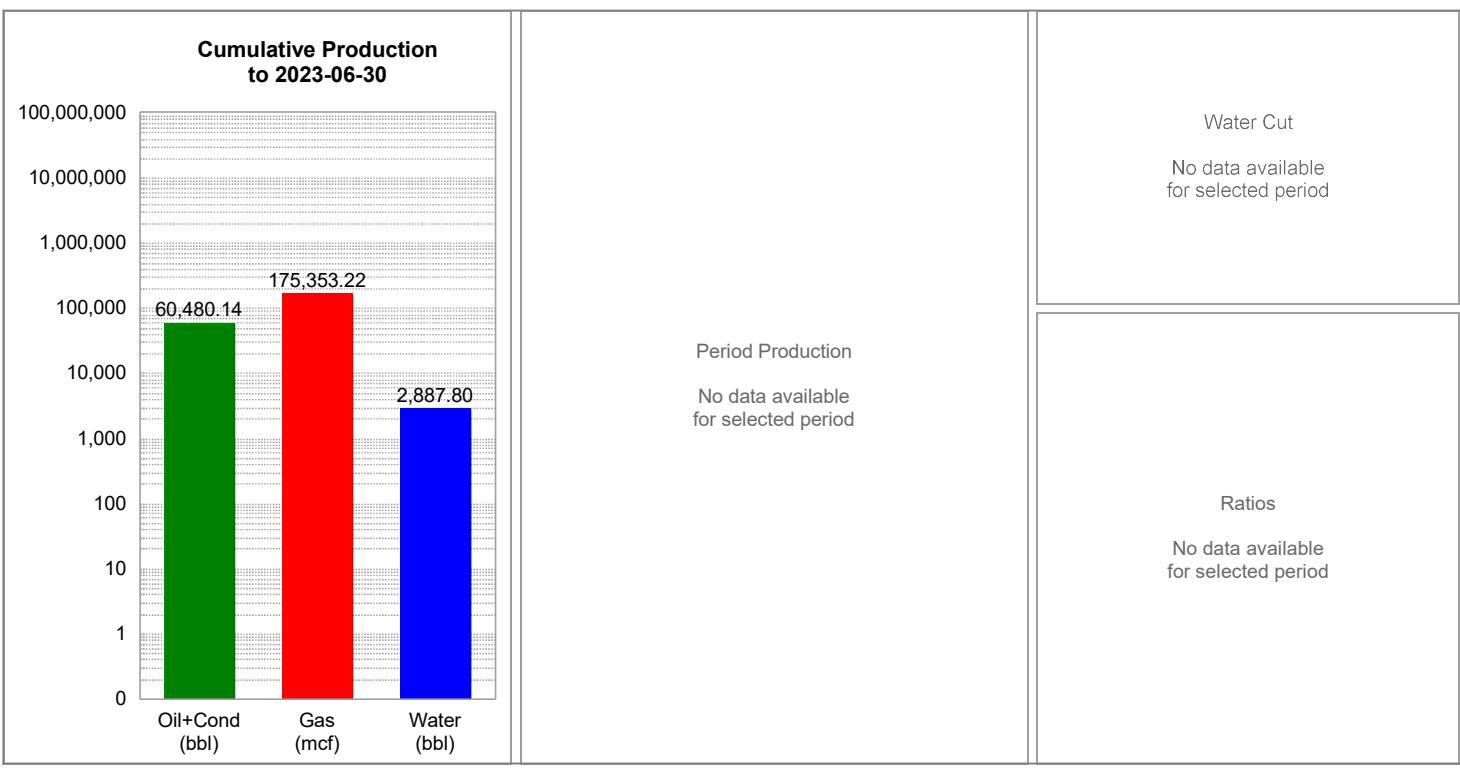
UWI:	00/14-27-046-07W5/00	On Prod:	1956-01-25	Cum Oil:	60480.1 bbl
Well Name:	ENERPLUS ET AL D PEMIN	Prod Form:	CARDSD	Cum Gas:	175353.2 mcf
	14-27-46-7			Cum Water:	2,887.80 bbl
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	2887.8 bbl

## Production Graph - Continued



## Production Summary

UWI:	00/14-27-046-07W5/00	Hours:	0
Prod Form:	CARDSD	Oil+Cond Rate:	N/A
On Prod Date:	1956-01-25	Gas Rate:	N/A



## Header

UWI:	00/06-23-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100062304607W500
Mode:	Injection	Bottom Hole Location:	100062304607W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1981.3 E1980.0 ft
License		Bottom Hole Coord:	N1981.3 E1980.0 ft
Well Name:	NORCEN ET AL SBL PEM 6-23-46-7	Surface Hole Latitude:	52.980326
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.909682
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.980326
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.909682
License Number:	0031883	Dates	
Province/State:	Alberta	License Date:	1967-03-01
Confidential:	Non-Confidential	Spud Date:	1967-03-22
Lahee:	DEVELOPMENT	Final Drill Date:	1967-03-29
Rig Type:	Vertical	Rig Release Date:	1967-03-29
Well Type:	Vertical	Completion Date:	1967-04-15
License Type:		Days Drilled:	7
Well Event Type:	Parent	On Production Date:	1967-04-15
Purpose:		On Injection Date:	2014-10-17
Well Objective:		Last Prod Date:	2014-08-19
Surface Abandon Type:		Current Status Date:	2014-10-17
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2943.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5256.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5256.9 ft
Play		Total Depth:	5256.9 ft
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	1967-03-01	00720000	LICENSED
2	1967-03-22	00730000	SPUDDED
3	1967-03-29	00740000	FINISHED DRILLING
4	1967-03-29	00070000	DRILLED AND CASED
5	1967-04-15	01100000	FLOWING OIL
6	1991-01-17	01110000	PUMPING OIL
7	2014-10-17	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2943.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1049.9	1049.9	1894.0	1946.2	
BELLYRV	2996.1	2996.1	-52.2	1102.0	
LEAPRK	4098.1	4098.1	-1154.2	431.8	
COLRAD	4529.9	4529.9	-1586.0	550.2	
CARD	5080.1	5080.1	-2136.2	77.1	
CARDSD	5157.2	5157.2	-2213.3		

Total TVD:  
Total Depth:

5256.9 ft  
5256.9 ft

Projected Formation:  
Projected Total Depth:

## User Tops (KB Elevation: 2943.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5158.1 ft - 5184.1 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 154000M3/D (5.438MMCF/D) MAX OIL TO SURFACE: 11.1M3/D (391.991CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5140.1	5189.0	48.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1967-03-31	JET PERFORATION	5158.1	5167.0	3		
2	1967-03-31	JET PERFORATION	5176.8	5184.1	3		
3	1967-03-31	TREATMENT	5158.1	5184.1	0	FRACTURED	
4	2000-02-25	JET PERFORATION	5158.5	5168.3	17		
5	2000-02-25	JET PERFORATION	5178.5	5185.4	17		
6	2000-02-27	TREATMENT	5158.1	5185.4	0	FRACTURED	
7	2014-08-27	JET PERFORATION	5158.5	5167.3	20		
8	2014-08-27	JET PERFORATION	5177.5	5186.4	20		
9	2014-09-02	TREATMENT	5158.1	5186.4	0	CHEMICAL SQUEEZE	
10	2014-09-03	TREATMENT	5158.1	5186.4	0	ACID SQUEEZE	
11	2014-09-07	TREATMENT	5123.4	5123.4	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		486.9		486.9	8.626		
2	Production		5256.9	CARDSD	5256.9	4.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

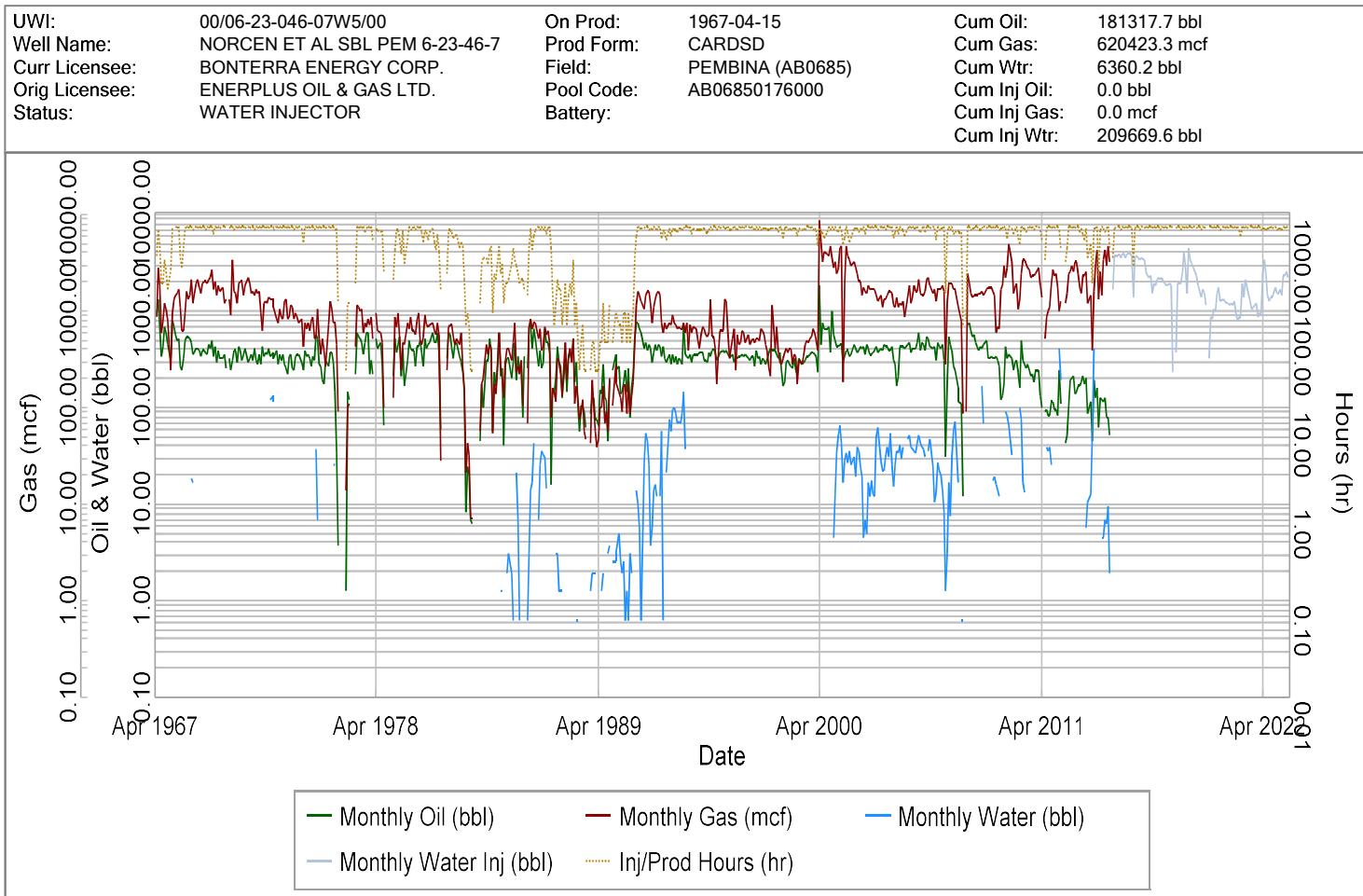
## Logs Run

- # Method Description
- 1 CASING INSPECTION
- 2 CEMENT BOND
- 3 GAMMA RAY
- 4 COMPENSATED NEUTRON LOG
- 5 PERFORATION LOG
- 6 TEMPERATURE

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

On Prod Date:	1967-04-15		Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	Cum Oil + Cond: 181,317.71 bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	Cum Gas: 620,423.30 mcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	Cum Water: 6,360.20 bbl
Oil + Cond/Day:	0.00 bbl/d			Gas/Day: 0.00 mcf/d

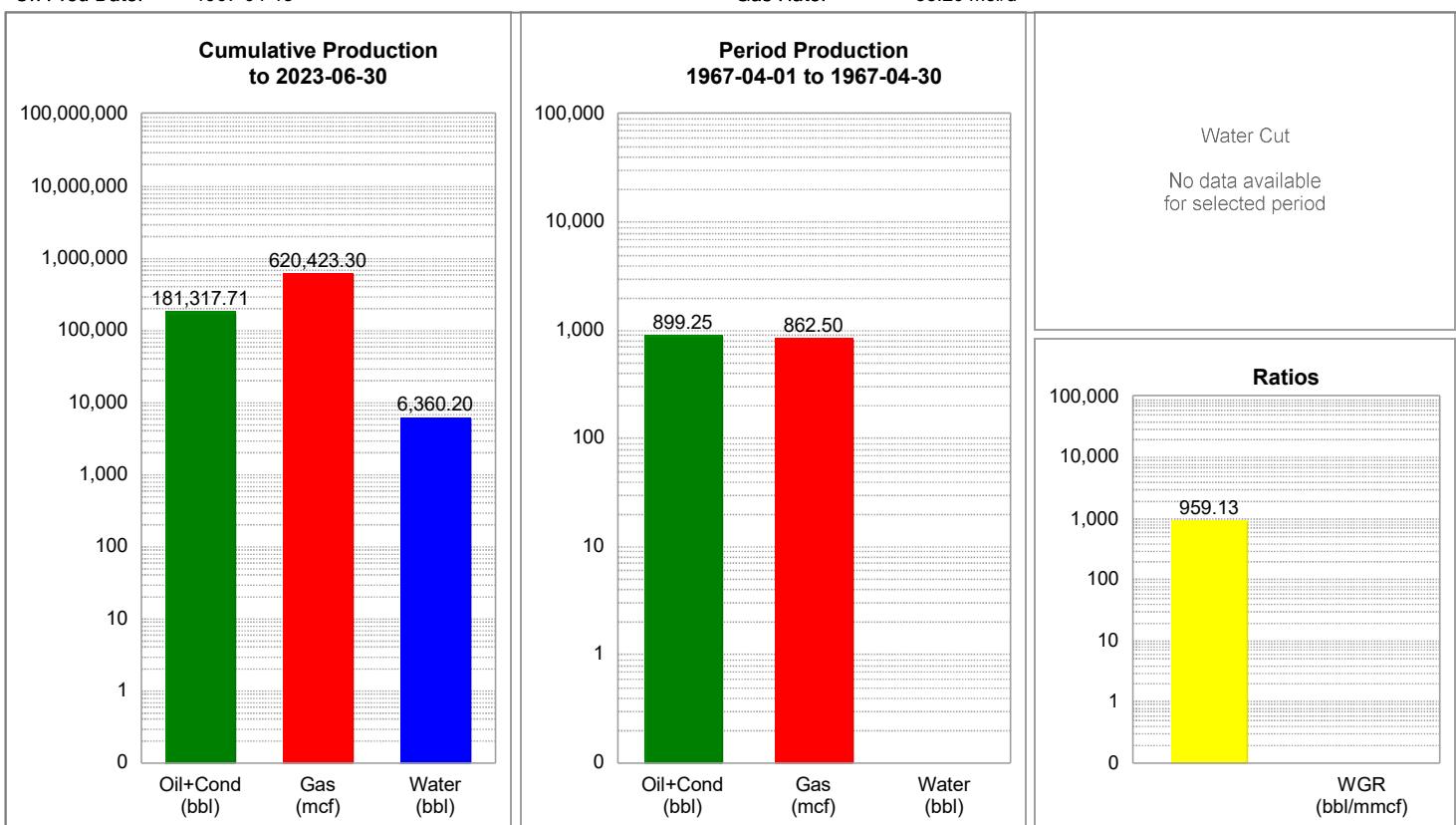
## Production Graph



## Production Summary

UWI: 00/06-23-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1967-04-15

Hours: 375  
 Oil+Cond Rate: 57.55 bbl/d  
 Gas Rate: 55.20 mcf/d



## Header

UWI:	00/14-15-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100141504607W500
Mode:	Suspended	Bottom Hole Location:	100141504607W500
Status:	SUSPENDED WATER INJECTOR	Surface Hole Coord:	S660.1 E1980.0 ft
License		Bottom Hole Coord:	S660.1 E1980.0 ft
Well Name:	ENERPLUS ET AL D PEM 14-15-46-7	Surface Hole Latitude:	52.973135
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.933808
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.973135
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.933808
License Number:	0030115	Dates	
Province/State:	Alberta	License Date:	1966-02-28
Confidential:	Non-Confidential	Spud Date:	1966-03-04
Lahee:	DEVELOPMENT	Final Drill Date:	1966-03-15
Rig Type:	Vertical	Rig Release Date:	
Well Type:	Vertical	Completion Date:	1966-04-08
License Type:		Days Drilled:	0
Well Event Type:	Parent	On Production Date:	1966-04-01
Purpose:		On Injection Date:	1979-11-06
Well Objective:		Last Prod Date:	1976-01-03
Surface Abandon Type:		Current Status Date:	2022-05-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2023-03-31
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2950.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5294.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5294.9 ft
Play		Total Depth:	5294.9 ft
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	1966-02-28	00720000	LICENSED
2	1966-03-04	00730000	SPUDDED
3	1966-03-15	00740000	FINISHED DRILLING
4	1966-03-15	00070000	DRILLED AND CASED
5	1966-04-08	01100000	FLOWING OIL
6	1979-11-06	06000300	WATER INJECTOR
7	2022-05-01	06010300	SUSPENDED WATER INJECTOR

## System Tops (KB Elevation: 2950.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1092.8	1092.8	1857.3	1924.2	
BELLYRV	3017.1	3017.1	-66.9	1117.8	
LEAPRK	4134.8	4134.8	-1184.7	440.3	
COLRAD	4575.1	4575.1	-1625.0	543.0	
CARD	5118.1	5118.1	-2168.0	73.8	
CARDSD	5191.9	5191.9	-2241.8	78.1	
BLACKSTN	5270.0	5270.0	-2319.9		

Total TVD: 5294.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5294.9 ft      Projected Total Depth:

## User Tops (KB Elevation: 2950.1 ft) - No data

## DSTs and IPs

# of Tests: 2

Test 1: 4069.9 ft - 4180.1 ft

Date:	1966-03-10
Formation:	BELLYRV,LEAPRK
Type:	CONVENTIONAL BOTTOM HOLE 2 PACKERS
Valve Open:	3 / 135 min
Shut-in:	60 / 120 min
Flow Pres:	0 / 36 / 51 / 73 PSI
Shut-in Pres:	1062 / 1160 PSI
Hydro Pres:	2077 / 2931 PSI
Comments:	BLOW DESCRIPTION: STRONG INITIAL PUFF. GOOD STEADY AIR BLOW ON FINAL FLOW, GAS TO SURFACE IN 40 MINUTES, TOO SMALL TO MEASURE. RECOVERY: 48.77M (160FT) MUD PERMEABILITY: LOW

IP Test 70: 5217.8 ft - 5228.0 ft

Date:	CARDSD,UNDEF
Formation:	IP - INITIAL POTENTIAL
Type:	
Valve Open:	0 min
Flow Pres:	
Comments:	MAX GAS TO SURFACE: 240100M3/D (8.479MMCF/D) MAX OIL TO SURFACE: 36.4M3/D (1285.447CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5193.9	5202.1	7.9
2		Diamond, conventional	5204.1	5239.2	35.1

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1966-03-21	BULLET PERFORATION	5217.8	5228.0	7		
2	1966-03-21	TREATMENT	5217.8	5228.0	0	FRACTURED	
3	1979-11-02	JET PERFORATION	5200.1	5208.0	7		
4	1979-11-05	TREATMENT	5200.1	5228.0	0	ACID SQUEEZE	
5	1991-12-09	JET PERFORATION	2493.4	2495.1	13		
6	1991-12-10	TREATMENT	2493.4	2495.1	0	REMEDIAL CASING	
7	1991-12-15	TREATMENT	5167.3	5167.3	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		479.0		479.0	8.626		
2	Production		5294.9	BLACKSTN	5294.9	4.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

# Method Description
1 CALIPER
2 CASING INSPECTION
3 ELECTRIC LOG
4 GAMMA RAY
5 INDUCTION LOG
6 PERFORATION LOG
7 SONIC/ACOUSTIC

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

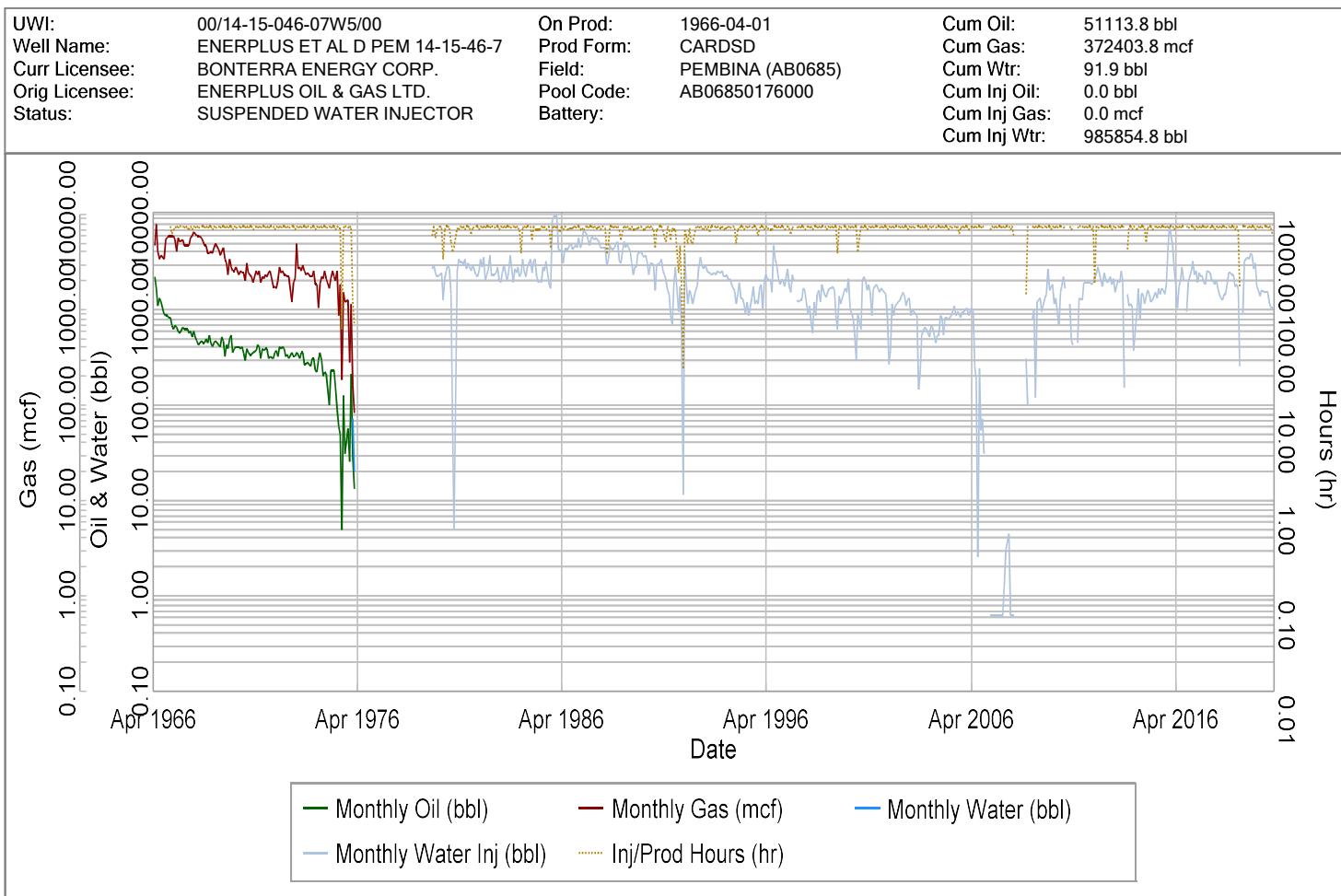
On Prod Date: 1966-04-01

Producing Hours: 0 hr

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

Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	Cum Oil + Cond:	51,113.83 bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	Cum Gas:	372,403.76 mcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	Cum Water:	91.88 bbl
Oil + Cond/Day:	0.00 bbl/d			Gas/Day:	0.00 mcf/d

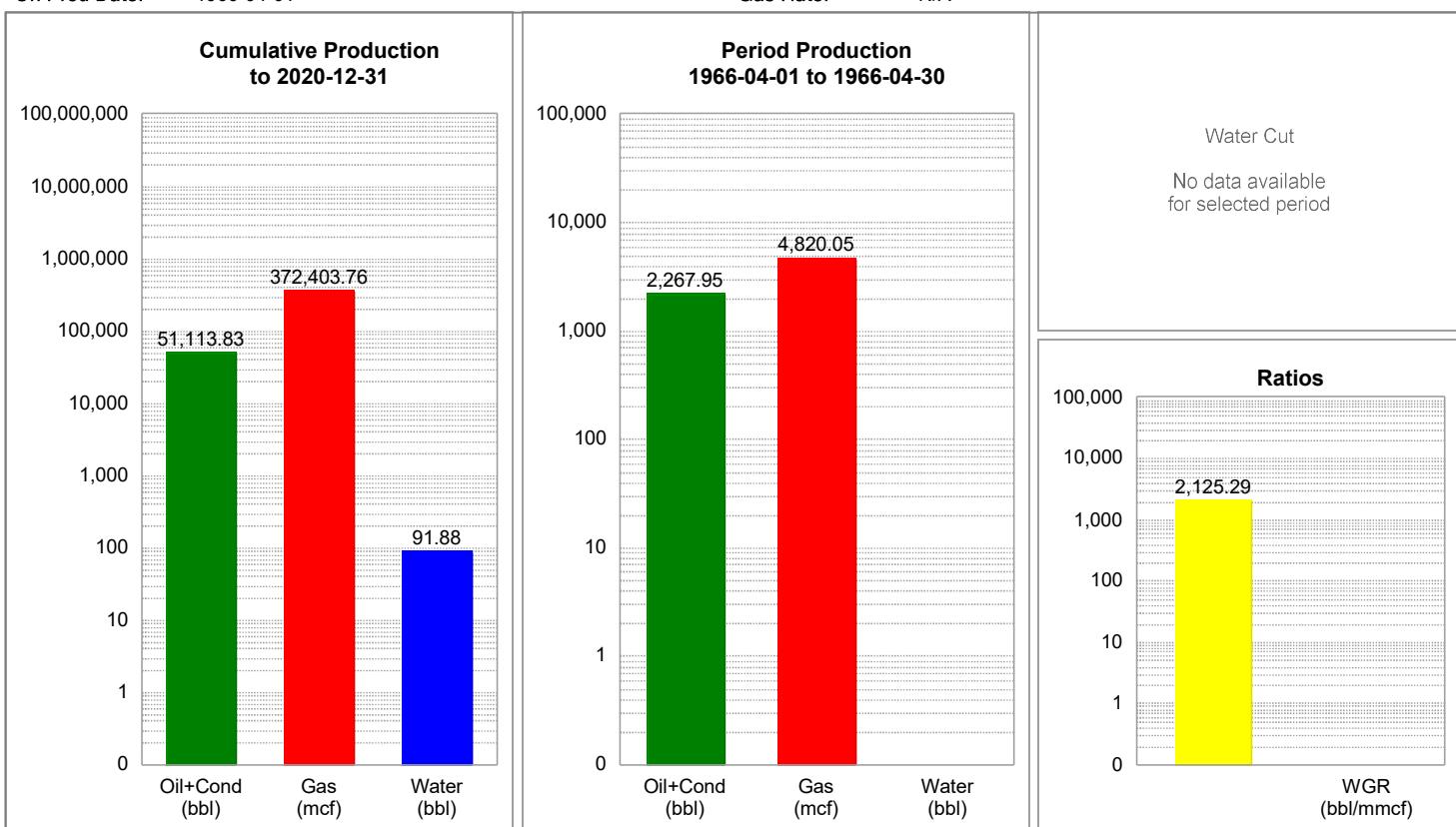
## Production Graph



## Production Summary

UWI: 00/14-15-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1966-04-01

Hours: 0  
 Oil+Cond Rate: N/A  
 Gas Rate: N/A



## Header

UWI:	00/08-22-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100082204607W500
Mode:	Injection	Bottom Hole Location:	100082204607W500
Status:	WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	NORCEN ET AL SBL PEM 8-22-46-7	Surface Hole Latitude:	52.980344
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.921962
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.980344
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.921962
License Number:	0032443	Dates	
Province/State:	Alberta	License Date:	1967-07-11
Confidential:	Non-Confidential	Spud Date:	1967-07-15
Lahee:	DEVELOPMENT	Final Drill Date:	1967-07-22
Rig Type:	Vertical	Rig Release Date:	1967-07-22
Well Type:	Vertical	Completion Date:	1967-08-13
License Type:		Days Drilled:	7
Well Event Type:	Parent	On Production Date:	1967-08-13
Purpose:		On Injection Date:	1968-05-01
Well Objective:		Last Prod Date:	1970-05-06
Surface Abandon Type:		Current Status Date:	1979-10-18
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2021-08-30
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2942.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5265.1 ft
Drilling Rig Number:		Total True Vertical Depth:	5265.1 ft
Play		Total Depth:	5265.1 ft
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	1967-07-11	00720000	LICENSED
2	1967-07-15	00730000	SPUDDED
3	1967-07-22	00740000	FINISHED DRILLING
4	1967-07-22	00070000	DRILLED AND CASED
5	1967-08-13	01100000	FLOWING OIL
6	1968-05-17	06000300	WATER INJECTOR
7	1970-09-01	06010300	SUSPENDED WATER INJECTOR
8	1979-10-18	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2942.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1045.9	1045.9	1897.0	1954.1	
BELLYRV	3000.0	3000.0	-57.1	1123.0	
LEAPRK	4123.0	4123.0	-1180.1	425.9	
COLRAD	4548.9	4548.9	-1606.0	542.0	
CARD	5090.9	5090.9	-2148.0	78.1	
CARDSD	5169.0	5169.0	-2226.1		

Total TVD: 5265.1 ft  
 Total Depth: 5265.1 ft

Projected Formation: CARDIUM SAND  
 Projected Total Depth:

## User Tops (KB Elevation: 2942.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5187.0 ft - 5196.9 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 115400M3/D (4.075MMCF/D) MAX OIL TO SURFACE: 15.1M3/D (533.249CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5160.1	5220.1	60.0

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1967-07-27	JET PERFORATION	5189.0	5199.1	7		
2	1967-07-27	TREATMENT	5189.0	5199.1	0	ACID WASH	
3	1967-07-28	TREATMENT	5189.0	5199.1	0	FRACTURED	
4	1969-07-31	JET PERFORATION	5169.0	5179.1	7		
5	1969-07-31	TREATMENT	5189.0	5199.1	0	FRACTURED	
6	1969-07-31	TREATMENT	5169.0	5179.1	0	FRACTURED	
7	1970-02-06	TREATMENT	5189.0	5199.1	0	ACID SQUEEZE	
8	1970-02-06	TREATMENT	5169.0	5176.8	0	FRACTURED	
9	1979-10-10	TREATMENT	5169.0	5199.1	0	ACID SQUEEZE	
10	1992-07-06	TREATMENT	5049.9	5049.9	0	PACKER-BRIDGE PLUG	
11	2009-08-31	TREATMENT	5169.0	5199.1	0	ACID SQUEEZE	
12	1992-07-06	TREATMENT	5049.9	5049.9	0	PACKER-BRIDGE PLUG	
13	2013-06-13	TREATMENT	5169.0	5199.1	0	ACID SQUEEZE	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		451.1		451.1	8.626		
2	Production		5264.1	CARDSD	5264.1	4.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

#	Method Description
1	GAMMA RAY
2	PERFORATION LOG

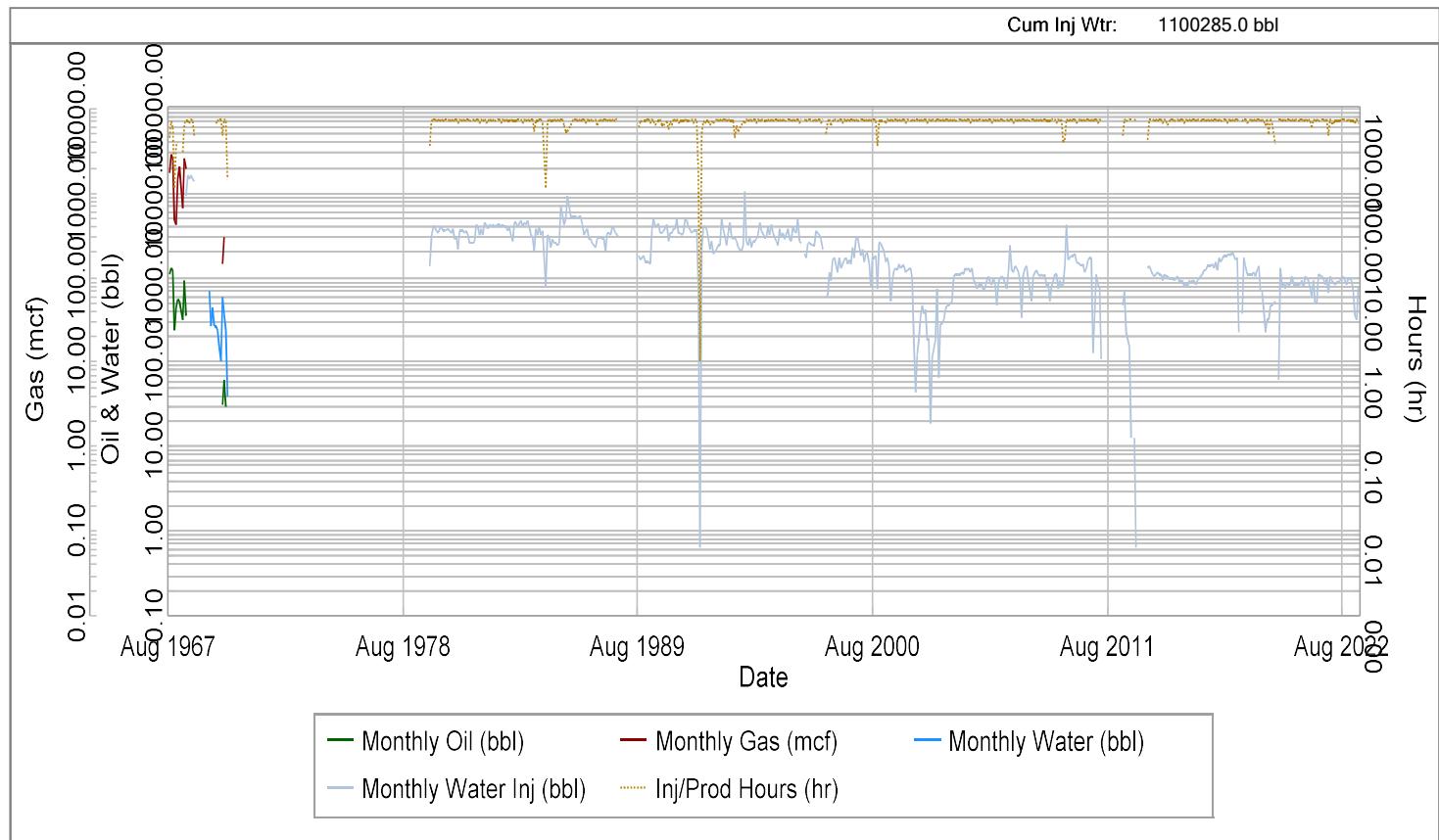
## Last 3 Months Summary ( 2023-05-01 to 2023-07-01, Cumulative to 2023-07-01 )

On Prod Date:	1967-08-13	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

## Production Graph

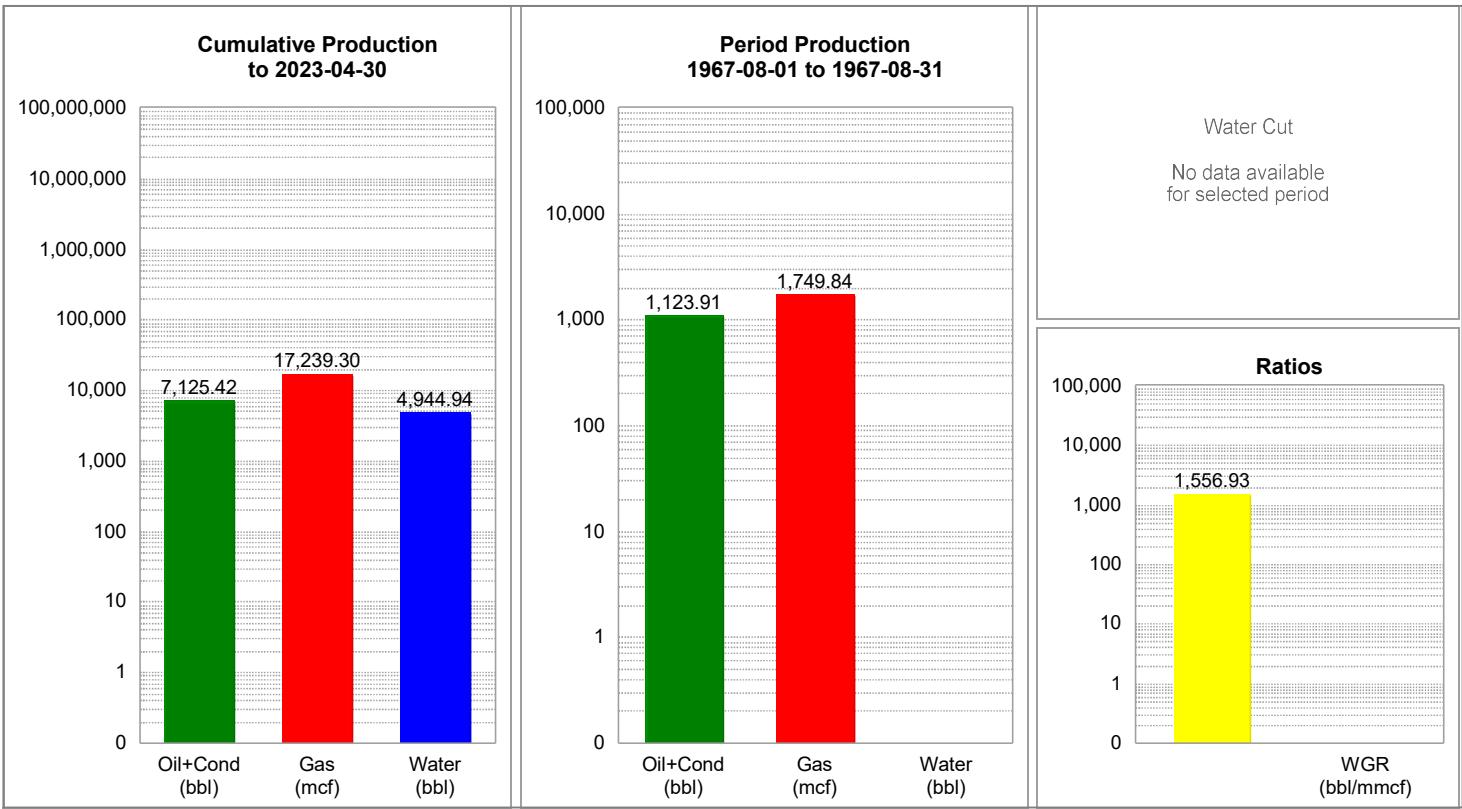
UWI:	00/08-22-046-07W5/00	On Prod:	1967-08-13	Cum Oil:	7125.4 bbl
Well Name:	NORCEN ET AL SBL PEM 8-22-46-7	Prod Form:	CARDSD	Cum Gas:	17239.3 mcf
Curr Licensee:	BONTERRA ENERGY CORP.	Field:	PEMBINA (AB0685)	Cum Wtr:	4944.9 bbl
Orig Licensee:	ENERPLUS OIL & GAS LTD.	Pool Code:	AB06850176000	Cum Inj Oil:	0.0 bbl
Status:	WATER INJECTOR	Battery:		Cum Inj Gas:	0.0 mcf

## Production Graph - Continued



## Production Summary

UWI:	00/08-22-046-07W5/00	Hours:	452
Prod Form:	CARDSD	Oil+Cond Rate:	59.68 bbl/d
On Prod Date:	1967-08-13	Gas Rate:	92.91 mcf/d



## Header

UWI:	00/12-26-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100122604607W500
Mode:	Injection	Bottom Hole Location:	100122604607W500
Status:	WATER INJECTOR	Surface Hole Coord:	S1973.1 E643.0 ft
License		Bottom Hole Coord:	S1973.1 E643.0 ft
Well Name:	NORCEN ET AL SBL PEM 12-26-46-7	Surface Hole Latitude:	52.998599
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.915747
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.998599
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.915747
License Number:	0014631	Dates	
Province/State:	Alberta	License Date:	1958-01-23
Confidential:	Non-Confidential	Spud Date:	1958-01-28
Lahee:	DEVELOPMENT	Final Drill Date:	1958-02-10
Rig Type:	Vertical	Rig Release Date:	1958-02-10
Well Type:	Vertical	Completion Date:	1958-03-04
License Type:		Days Drilled:	13
Well Event Type:	Parent	On Production Date:	1958-03-04
Purpose:		On Injection Date:	1969-04-15
Well Objective:		Last Prod Date:	1968-09-16
Surface Abandon Type:		Current Status Date:	1969-04-15
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	BLACKSTONE	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	BLACKSTONE	KB Elevation:	2948.2 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5235.9 ft
Drilling Rig Number:		Total True Vertical Depth:	5235.9 ft
Play		Total Depth:	5235.9 ft
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	1958-01-23	00720000	LICENSED
2	1958-01-28	00730000	SPUDDED
3	1958-02-10	00740000	FINISHED DRILLING
4	1958-02-10	00070000	DRILLED AND CASED
5	1958-03-04	01100000	FLOWING OIL
6	1959-08-31	01010000	SUSPENDED OIL
7	1959-11-24	01100000	FLOWING OIL
8	1960-09-19	01010000	SUSPENDED OIL
9	1960-12-05	01100000	FLOWING OIL
10	1961-05-05	01010000	SUSPENDED OIL
11	1961-08-10	01100000	FLOWING OIL
12	1969-04-15	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2948.2 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1042.0	1042.0	1906.2	1938.0	130.2
BELLYRV	2980.0	2980.0	-31.8	1091.9	170.9
LEAPRK	4071.9	4071.9	-1123.7	448.2	
COLRAD	4520.0	4520.0	-1571.9	540.0	
CARD	5060.0	5060.0	-2111.9	78.1	
CARDSD	5138.1	5138.1	-2190.0	82.0	26.9
BLACKSTN	5220.1	5220.1	-2272.0		

Total TVD: 5235.9 ft      Projected Formation: BLACKSTONE  
 Total Depth: 5235.9 ft      Projected Total Depth:

User Tops (KB Elevation: 2948.2 ft) - No data

DSTs and IPs

# of Tests: 1

IP Test 70: 5140.1 ft - 5149.9 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 0 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 287600M3/D (10.156MMCF/D) MAX OIL TO SURFACE: 12.6M3/D (444.962CF/D)

Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5011.2	5052.2	41.0
2		Diamond, conventional	5110.9	5161.1	49.9

Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1958-02-13	JET PERFORATION	5140.1	5149.9	26		
2	1958-02-17	TREATMENT	5140.1	5149.9	0	ACID WASH	
3	1958-02-17	TREATMENT	5140.1	5149.9	0	FRACTURED	
4	2002-09-12	TREATMENT	5098.4	5098.4	0	PACKER-BRIDGE PLUG	
5	2013-11-06	TREATMENT	5140.1	5149.9	0	ACID SQUEEZE	

Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		642.1		642.1	7.000		
2	Production		5232.0	BLACKSTN	5232.0	2.874		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

Casing Cements - No data

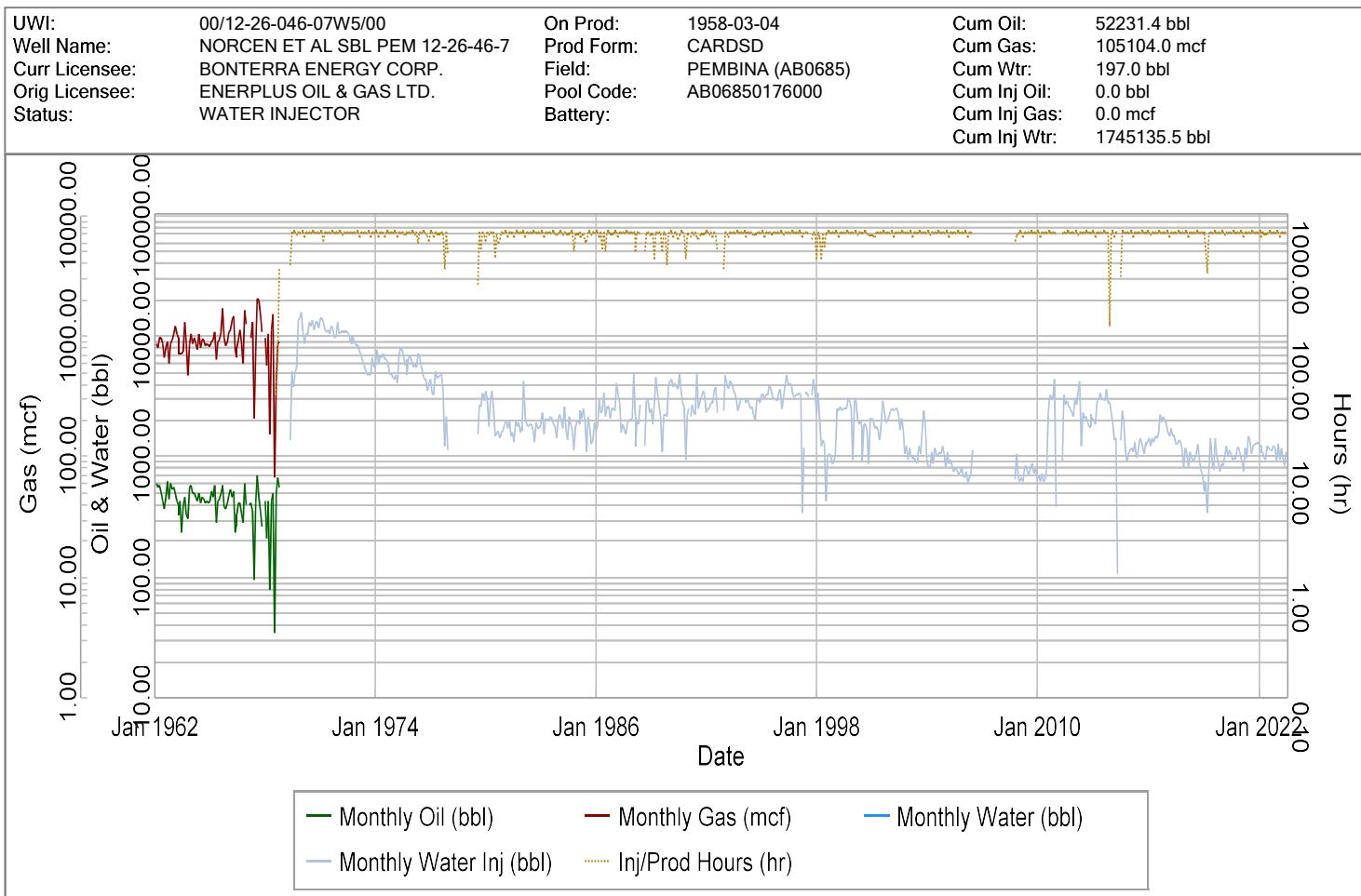
Logs Run

# Method Description  
1 ELECTRIC LOG  
2 INDUCTION LOG  
3 MICRO LOG  
4 COMPENSATED NEUTRON LOG

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

On Prod Date:	1958-03-04	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

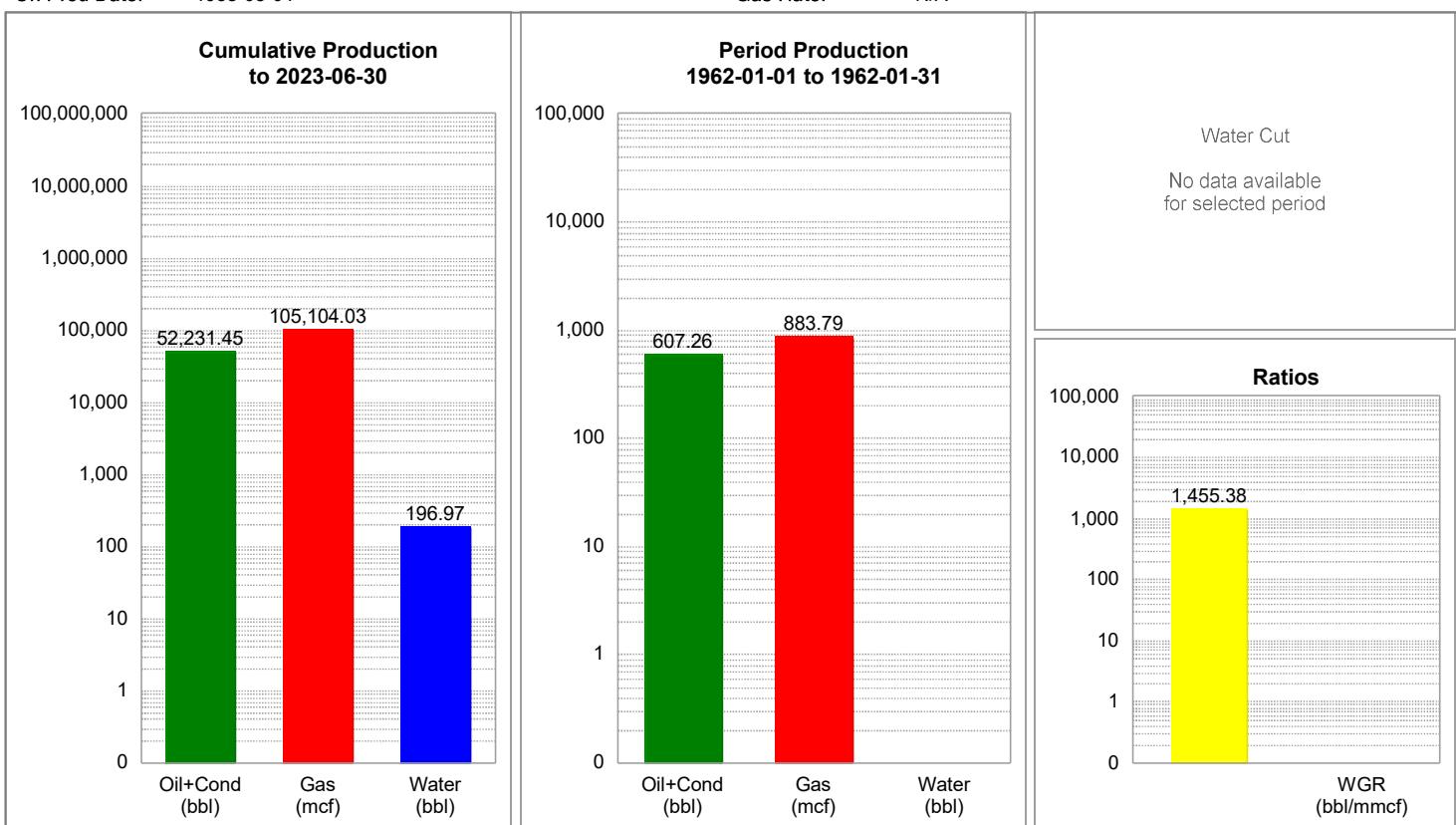
## Production Graph



## Production Summary

UWI: 00/12-26-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1958-03-04

Hours: 0  
 Oil+Cond Rate: N/A  
 Gas Rate: N/A



## Header

UWI:	00/02-28-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100022804607W500
Mode:	Injection	Bottom Hole Location:	100022804607W500
Status:	WATER INJECTOR	Surface Hole Coord:	N660.1 W1980.0 ft
License		Bottom Hole Coord:	N660.1 W1980.0 ft
Well Name:	ENERPLUS ET AL D PEM 2-28-46-7	Surface Hole Latitude:	52.991404
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.952083
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.991404
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.952083
License Number:	0011369	Dates	
Province/State:	Alberta	License Date:	1956-04-30
Confidential:	Non-Confidential	Spud Date:	1956-05-23
Lahee:	DEVELOPMENT	Final Drill Date:	1956-06-05
Rig Type:	Vertical	Rig Release Date:	1956-06-05
Well Type:	Vertical	Completion Date:	1956-07-05
License Type:		Days Drilled:	13
Well Event Type:	Parent	On Production Date:	1956-07-05
Purpose:		On Injection Date:	1986-01-16
Well Objective:		Last Prod Date:	1969-04-07
Surface Abandon Type:		Current Status Date:	1991-10-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2940.0 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5315.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5315.0 ft
Play		Total Depth:	5315.0 ft
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	1956-04-30	00720000	LICENSED
2	1956-05-23	00730000	SPUDDED
3	1956-06-05	00740000	FINISHED DRILLING
4	1956-06-05	00070000	DRILLED AND CASED
5	1956-07-05	01100000	FLOWING OIL
6	1967-03-01	01110000	PUMPING OIL
7	1969-07-08	01010000	SUSPENDED OIL
8	1975-04-16	00000500	OBSERVATION
9	1986-01-16	06000300	WATER INJECTOR
10	1987-04-14	06010300	SUSPENDED WATER INJECTOR
11	1991-10-01	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2940.0 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1049.9	1049.9	1890.1	1994.1	
BELLYRV	3044.0	3044.0	-104.0	1086.0	
LEAPRK	4129.9	4129.9	-1190.0	430.1	
COLRAD	4560.0	4560.0	-1620.1	551.8	
CARD	5111.9	5111.9	-2171.9	77.1	
CARDSD	5189.0	5189.0	-2249.0		

Total TVD: 5315.0 ft      Projected Formation: CARDIUM SAND  
 Total Depth: 5315.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2940.0 ft) - No data

## DSTs and IPs

# of Tests: 2

Test 1: 3248.0 ft - 3334.0 ft

Date: 1956-07-05  
 Formation: BELLYRV,UNDEF  
 Type: UNDEFINED  
 Valve Open: 60 min  
 Shut-in: 0 min  
 Flow Pres: 0 / 20 PSI  
 Shut-in Pres: 109 PSI  
 Hydro Pres:  
 Comments: RECOVERY: 3.05M (10FT) MUD

IP Test 70: 5210.0 ft - 5220.1 ft

Date:  
 Formation: CARDSD,UNDEF  
 Type: IP - INITIAL POTENTIAL  
 Valve Open: 0 min  
 Flow Pres:  
 Comments: MAX GAS TO SURFACE: 74200M3/D (2.62MMCF/D) MAX OIL TO SURFACE: 190.8M3/D (6738.002CF/D)

## Cores - No data

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1956-06-27	JET PERFORATION	5210.0	5220.1		13	
2	1956-06-27	TREATMENT	5210.0	5220.1		0	ACID SQUEEZE
3	1956-06-27	TREATMENT	5210.0	5220.1		0	FRACTURED
4	1957-11-18	BULLET	5191.9	5202.1		13	
		PERFORATION					
5	1957-11-18	TREATMENT	5191.9	5202.1		0	ACID WASH
6	1957-11-18	TREATMENT	5191.9	5202.1		0	FRACTURED
7	1985-11-09	JET PERFORATION	5190.3	5201.8		13	
8	1985-11-09	JET PERFORATION	5210.0	5219.8		13	
9	1985-11-10	TREATMENT	5190.3	5220.1		0	FRACTURED
10	1991-10-08	TREATMENT	5190.3	5220.1		0	ACID SQUEEZE
11	2008-10-17	TREATMENT	5159.1	5159.1		0	PACKER-BRIDGE PLUG

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface				569.9			
2	Production				5315.0	CARDSD	5315.0	10.748
								5.500
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Weight (lb/ft)	Linear			
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

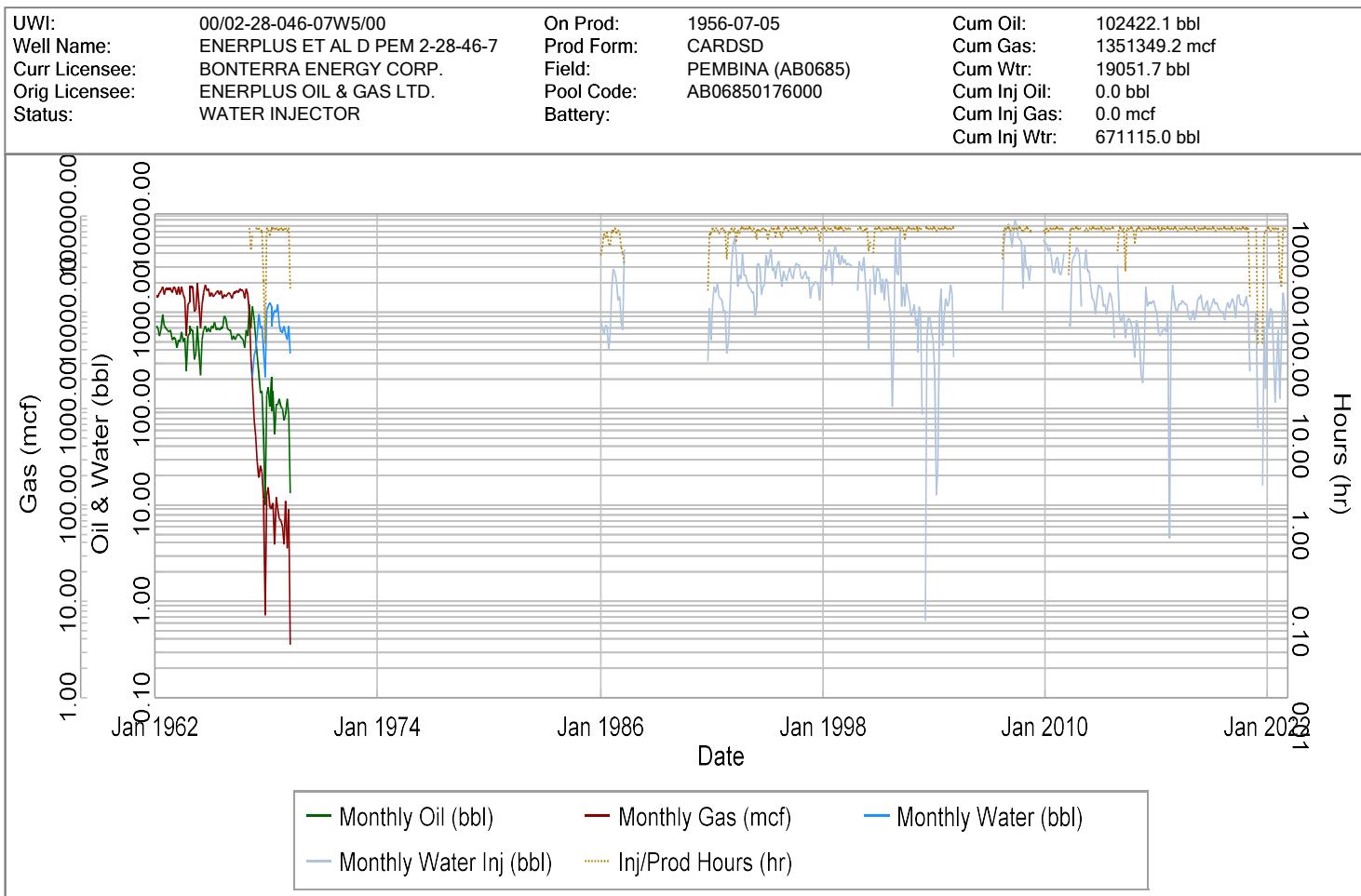
## # Method Description

- 1 CEMENT BOND
- 2 GAMMA RAY
- 3 COMPENSATED NEUTRON LOG
- 4 RA UNSPECIFIED

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

On Prod Date:	1956-07-05	Producing Hours:	0 hr	
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl	
Gas (3 Mo):		WGR:	0.00 bbl/mmcf	
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %	
Oil + Cond/Day:	0.00 bbl/d		Gas/Day:	0.00 mcf/d

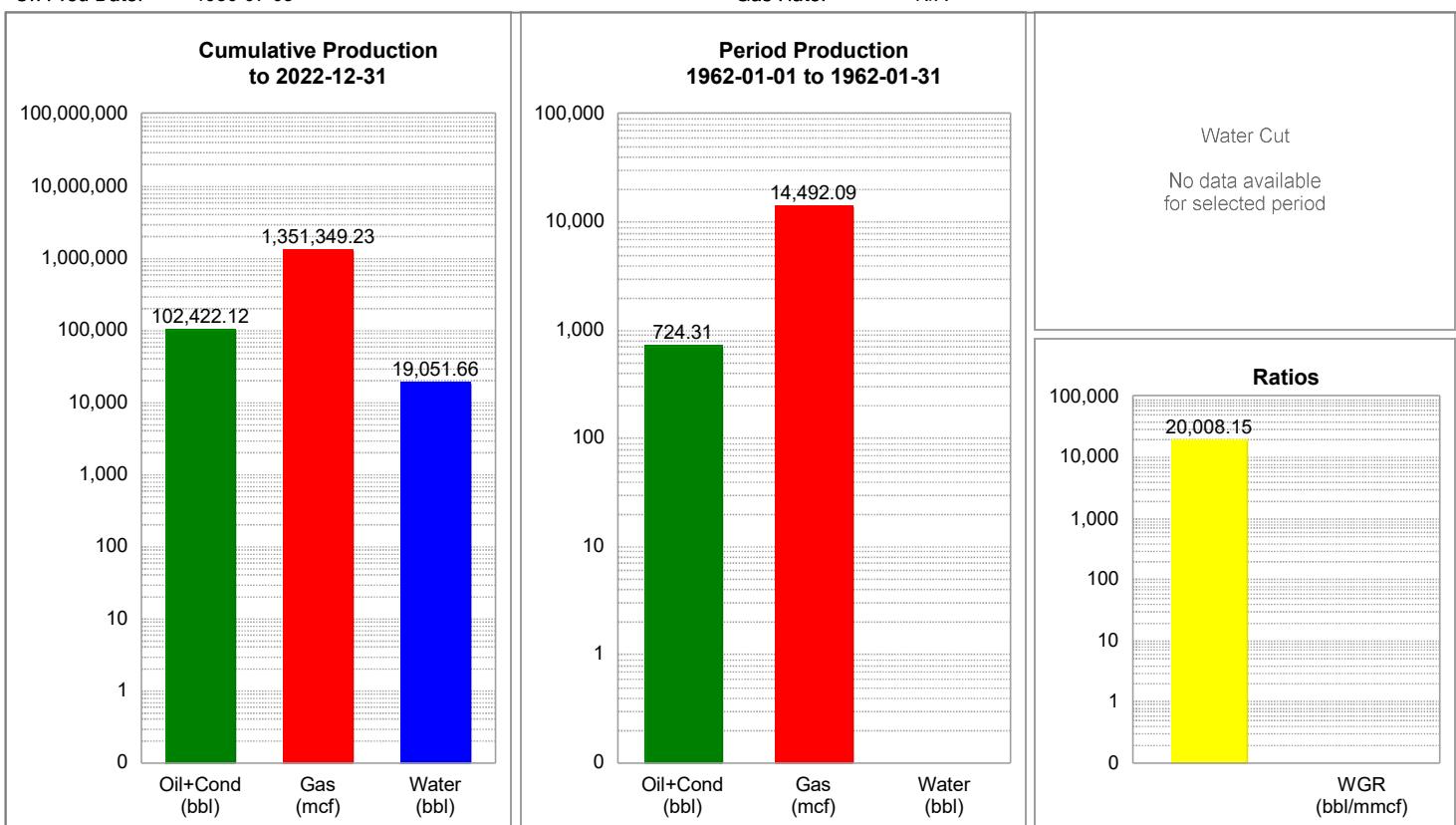
## Production Graph



## Production Summary

UWI: 00/02-28-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1956-07-05

Hours: 0  
 Oil+Cond Rate: N/A  
 Gas Rate: N/A



## Header

UWI:	00/08-20-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100082004607W500
Mode:	Suspended	Bottom Hole Location:	100082004607W500
Status:	SUSPENDED WATER INJECTOR	Surface Hole Coord:	N1980.0 W660.1 ft
License		Bottom Hole Coord:	N1980.0 W660.1 ft
Well Name:	ENERPLUS ET AL D PEM 8-20-46-7	Surface Hole Latitude:	52.980386
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.970261
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.980386
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.970261
License Number:	0029862	Dates	
Province/State:	Alberta	License Date:	1966-01-21
Confidential:	Non-Confidential	Spud Date:	1966-02-07
Lahee:	DEVELOPMENT	Final Drill Date:	1966-02-16
Rig Type:	Vertical	Rig Release Date:	1966-02-17
Well Type:	Vertical	Completion Date:	1966-03-20
License Type:		Days Drilled:	10
Well Event Type:	Parent	On Production Date:	1966-03-01
Purpose:		On Injection Date:	1966-10-27
Well Objective:		Last Prod Date:	1966-11-30
Surface Abandon Type:		Current Status Date:	2022-05-01
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2023-02-10
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2995.1 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:		Projected Total Depth:	5390.1 ft
Drilling Contractor:	CASCADE DRILLING COMPANY LIMITED	Max True Vertical Depth:	5390.1 ft
Drilling Rig Number:	1	Total True Vertical Depth:	5390.1 ft
Play		Total Depth:	5390.1 ft
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	1966-01-21	00720000	LICENSED
2	1966-02-07	00730000	SPUDDED
3	1966-02-16	00740000	FINISHED DRILLING
4	1966-02-17	00750000	RIG RELEASED
5	1966-02-17	00070000	DRILLED AND CASED
6	1966-03-20	01100000	FLOWING OIL
7	1966-10-27	06000300	WATER INJECTOR
8	2007-12-12	06010300	SUSPENDED WATER INJECTOR
9	2008-11-04	06000300	WATER INJECTOR
10	2022-05-01	06010300	SUSPENDED WATER INJECTOR

## System Tops (KB Elevation: 2995.1 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1176.8	1176.8	1818.2	1978.0	
BELLYRV	3154.9	3154.9	-159.8	1083.0	
LEAPRK	4237.9	4237.9	-1242.8	442.3	
COLRAD	4680.1	4680.1	-1685.0	549.9	
CARD	5230.0	5230.0	-2234.9	75.1	
CARDSD	5305.1	5305.1	-2310.0		

Total TVD: 5390.1 ft      Projected Formation: CARDIUM SAND  
 Total Depth: 5390.1 ft      Projected Total Depth:

## User Tops (KB Elevation: 2995.1 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5319.9 ft - 5330.1 ft

Date:

Formation: CARDSD,UNDEF

Type: IP - INITIAL POTENTIAL

Valve Open: 0 min

Flow Pres:

Comments: MAX GAS TO SURFACE: 192900M3/D (6.812MMCF/D) MAX OIL TO SURFACE: 15.6M3/D (550.906CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5295.9	5344.2	47.9

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1966-02-21	JET PERFORATION	5319.9	5330.1	7		
2	1966-03-15	TREATMENT	5319.9	5330.1	0	FRACTURED	
3	1985-08-08	JET PERFORATION	5319.9	5330.1	13		
4	1985-08-08	JET PERFORATION	5305.1	5315.0	13		
5	1985-08-09	TREATMENT	5305.1	5330.1	0	ACID SQUEEZE	
6	1997-04-14	TREATMENT	5305.1	5330.1	0	ACID SQUEEZE	
7	2013-10-23	TREATMENT	5305.1	5330.1	0	ACID SQUEEZE	
8	2014-10-29	TREATMENT	5270.0	5270.0	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface				485.9		8.626	
2	Production				5389.1	CARDSD	5389.1	4.500
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Linear Weight (lb/ft)				
1	Surface							
2	Production							

## Casing Cements - No data

## Logs Run

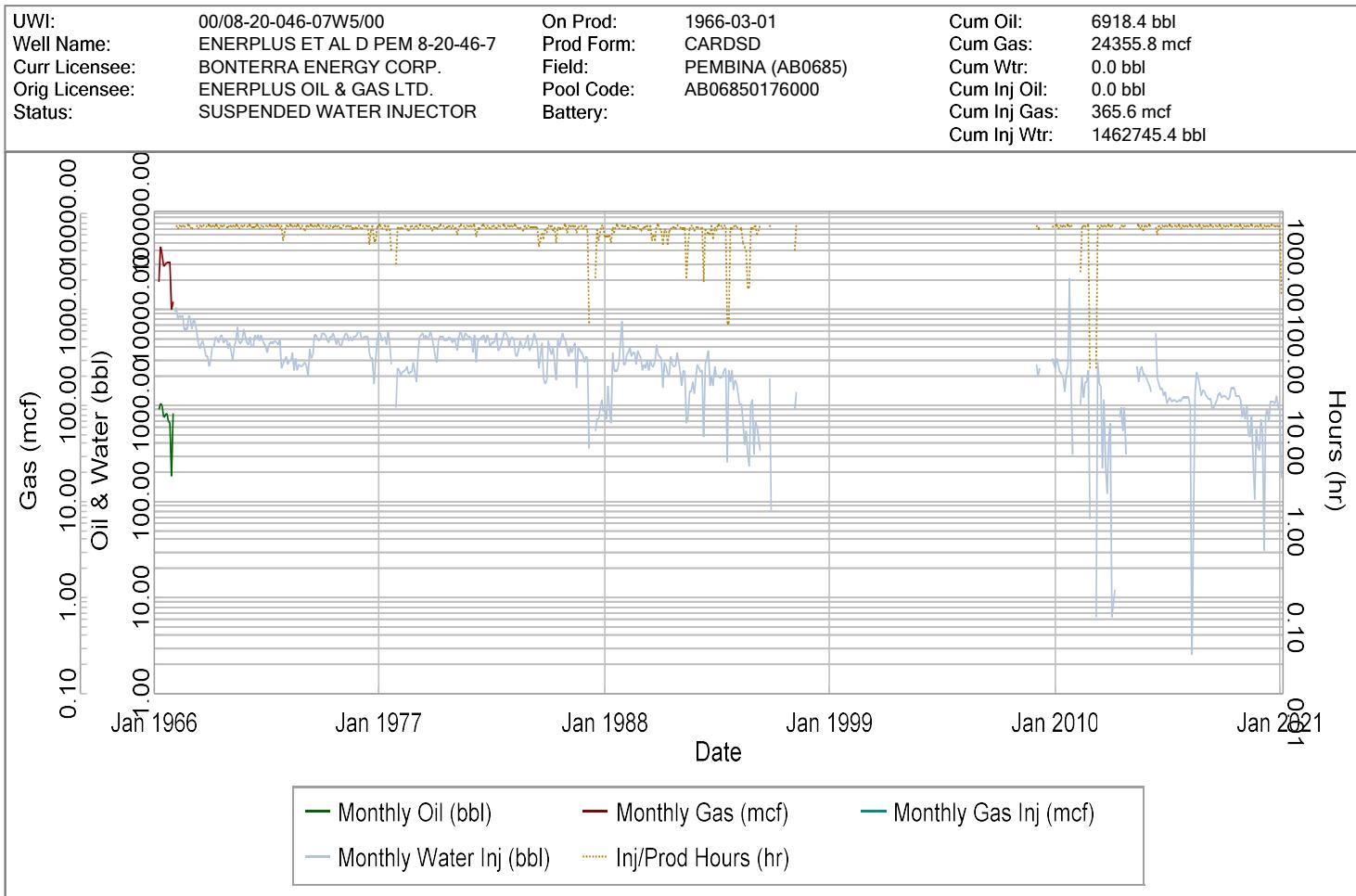
# Method Description

- 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:	1966-03-01	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d	Gas/Day:	0.00 mcf/d

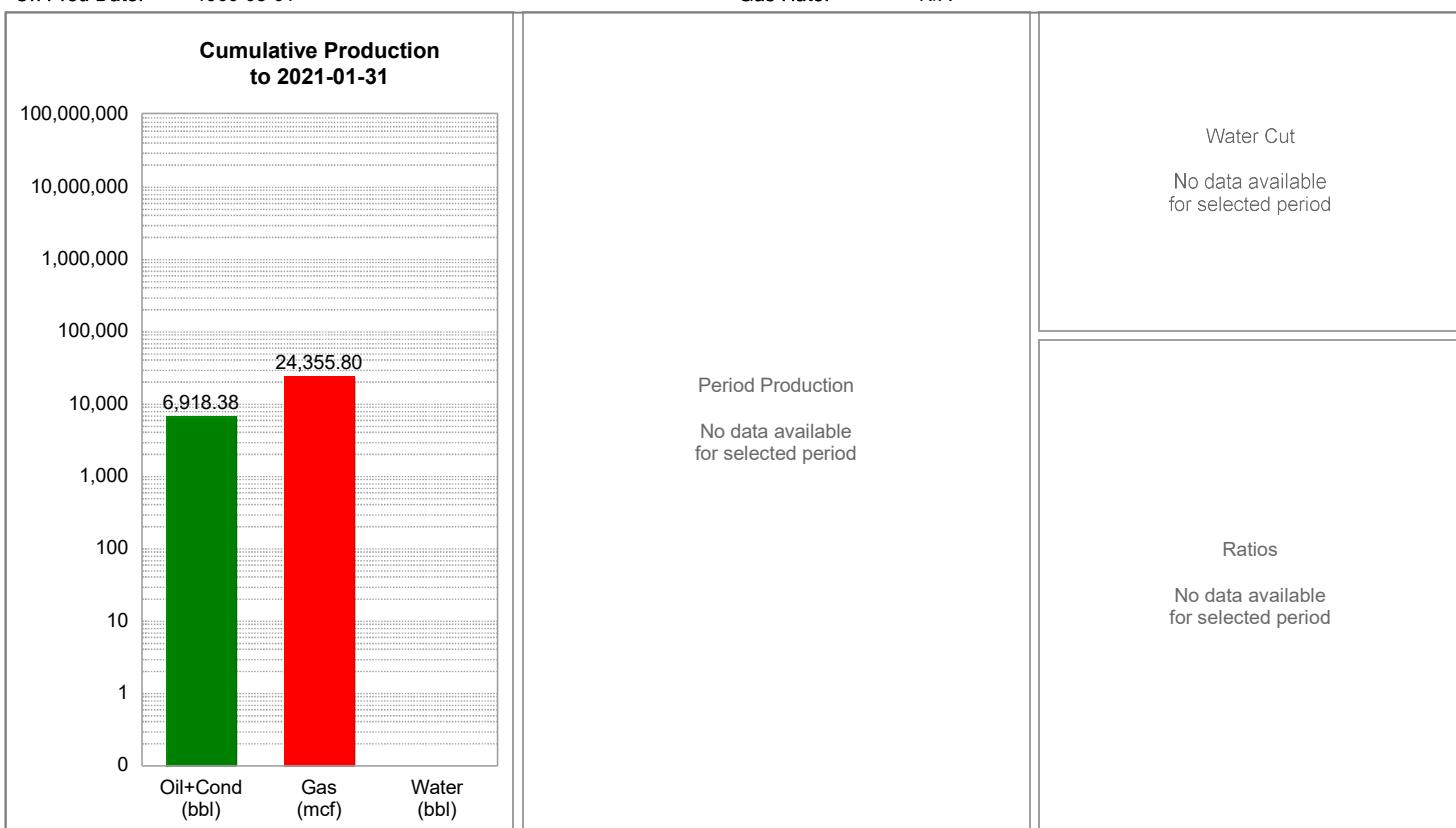
## Production Graph



## Production Summary

UWI: 00/08-20-046-07W5/00  
Prod Form: CARDSD  
On Prod Date: 1966-03-01

Hours: 0  
Oil+Cond Rate: N/A  
Gas Rate: N/A



## Header

UWI:	00/12-25-046-07W5/00	Location	
Fluid:	Water Injection	Surface Hole Location:	100122504607W500
Mode:	Injection	Bottom Hole Location:	100122504607W500
Status:	WATER INJECTOR	Surface Hole Coord:	S1870.1 E736.9 ft
License		Bottom Hole Coord:	S1870.1 E736.9 ft
Well Name:	NORCEN ET AL SBL PEM 12-25-46-7	Surface Hole Latitude:	52.998835
Current Licensee:	BONTERRA ENERGY CORP.	Surface Hole Longitude:	-114.891173
Facility Operator:	BONTERRA ENERGY CORP.	Bottom Hole Latitude:	52.998835
Original Licensee:	ENERPLUS OIL & GAS LTD.	Bottom Hole Longitude:	-114.891173
License Number:	0033699	Dates	
Province/State:	Alberta	License Date:	1968-02-20
Confidential:	Non-Confidential	Spud Date:	1968-02-22
Lahee:	DEVELOPMENT	Final Drill Date:	1968-02-28
Rig Type:	Vertical	Rig Release Date:	1968-02-28
Well Type:	Vertical	Completion Date:	1968-11-30
License Type:		Days Drilled:	6
Well Event Type:	Parent	On Production Date:	1968-11-30
Purpose:		On Injection Date:	1979-10-03
Well Objective:		Last Prod Date:	1979-09-09
Surface Abandon Type:		Current Status Date:	1979-10-04
Objective Fluid:		Abandonment Date:	
Orphan Well Status:		Surface Reclaimed:	
Projected Formation:	CARDIUM SAND	Last Update Date:	2020-01-21
Producing Formation:	CARDSD	Depth	
Total Depth Formation:	CARDIUM SAND	KB Elevation:	2986.9 ft
Basin:	ALBERTA SYNCLINE (ALBERTA BASIN)	User KB Elevation:	
Field:	PEMBINA (AB0685)	Ground Elevation:	
Pool:	CARDIUM (AB06850176000)	Depth Datum:	Kelly Bushing
Unit:	SOUTH BUCK LAKE CARDIUM UNIT NO 1 (65658)	Projected Total Depth:	
Drilling Contractor:	UNKNOWN	Max True Vertical Depth:	5250.0 ft
Drilling Rig Number:		Total True Vertical Depth:	5250.0 ft
Play		Total Depth:	5250.0 ft
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	1968-02-20	00720000	LICENSED
2	1968-02-22	00730000	SPUDDED
3	1968-02-28	00740000	FINISHED DRILLING
4	1968-02-28	00070000	DRILLED AND CASED
5	1968-11-30	01100000	FLOWING OIL
6	1979-10-04	06000300	WATER INJECTOR

## System Tops (KB Elevation: 2986.9 ft)

Short Name	TVD (ft)	MD (ft)	Subsea (ft)	Isopach (ft)	Por Int (ft)
EDMNTN	1213.9	1213.9	1773.0	1908.1	
BELLYRV	3122.0	3122.0	-135.2	961.9	
LEAPRK	4084.0	4084.0	-1097.1	446.9	
COLRAD	4530.8	4530.8	-1544.0	537.1	
CARD	5067.9	5067.9	-2081.0	81.0	
CARDSD	5149.0	5149.0	-2162.1		

Total TVD: 5250.0 ft      Projected Formation: CARDIUM SAND  
 Total Depth: 5250.0 ft      Projected Total Depth:

## User Tops (KB Elevation: 2986.9 ft) - No data

## DSTs and IPs

# of Tests: 1

IP Test 70: 5150.9 ft - 5171.9 ft

Date:  
Formation: CARDSD,UNDEF  
Type: IP - INITIAL POTENTIAL  
Valve Open: 24 min  
Flow Pres:  
Comments: MAX GAS TO SURFACE: 488600M3/D (17.255MMCF/D) MAX OIL TO SURFACE: 7.8M3/D (275.453CF/D)

## Cores

#	Core Date	Core Type	Upper Depth (ft)	Lower Depth (ft)	Length (ft)
1		Diamond, conventional	5127.0	5183.1	56.1

## Completions

#	Compl Date	Compl Type	Upper Depth (ft)	Lower Depth (ft)	Shots/Meter	Treatments	Description
1	1968-03-21	JET PERFORATION	5150.9	5155.8	3		
2	1968-03-21	JET PERFORATION	5158.1	5163.1	3		
3	1968-03-21	JET PERFORATION	5165.0	5171.9	7		
4	1968-03-22	TREATMENT	5150.9	5171.9	0	FRACTURED	
5	1979-09-27	TREATMENT	5150.9	5171.9	0	ACID SQUEEZE	
6	1979-09-28	TREATMENT	5144.4	5144.4	0	PACKER-BRIDGE PLUG	

## Casings/Tubings

#	Tubing Type	Upper Depth (ft)	Lower Depth (ft)	Lower Form	Shoe Depth (ft)	Outside Diameter (in)	Hole Size (in)	Collar Type
1	Surface		469.2		469.2	8.626		
2	Production		5249.0	CARDSD	5249.0	4.500		
#	Tubing Type	Steel Spec	Tubing Strength (kPSI)	Tubing Linear Weight (lb/ft)				
1	Surface							
2	Production							

Casing Cements - No data

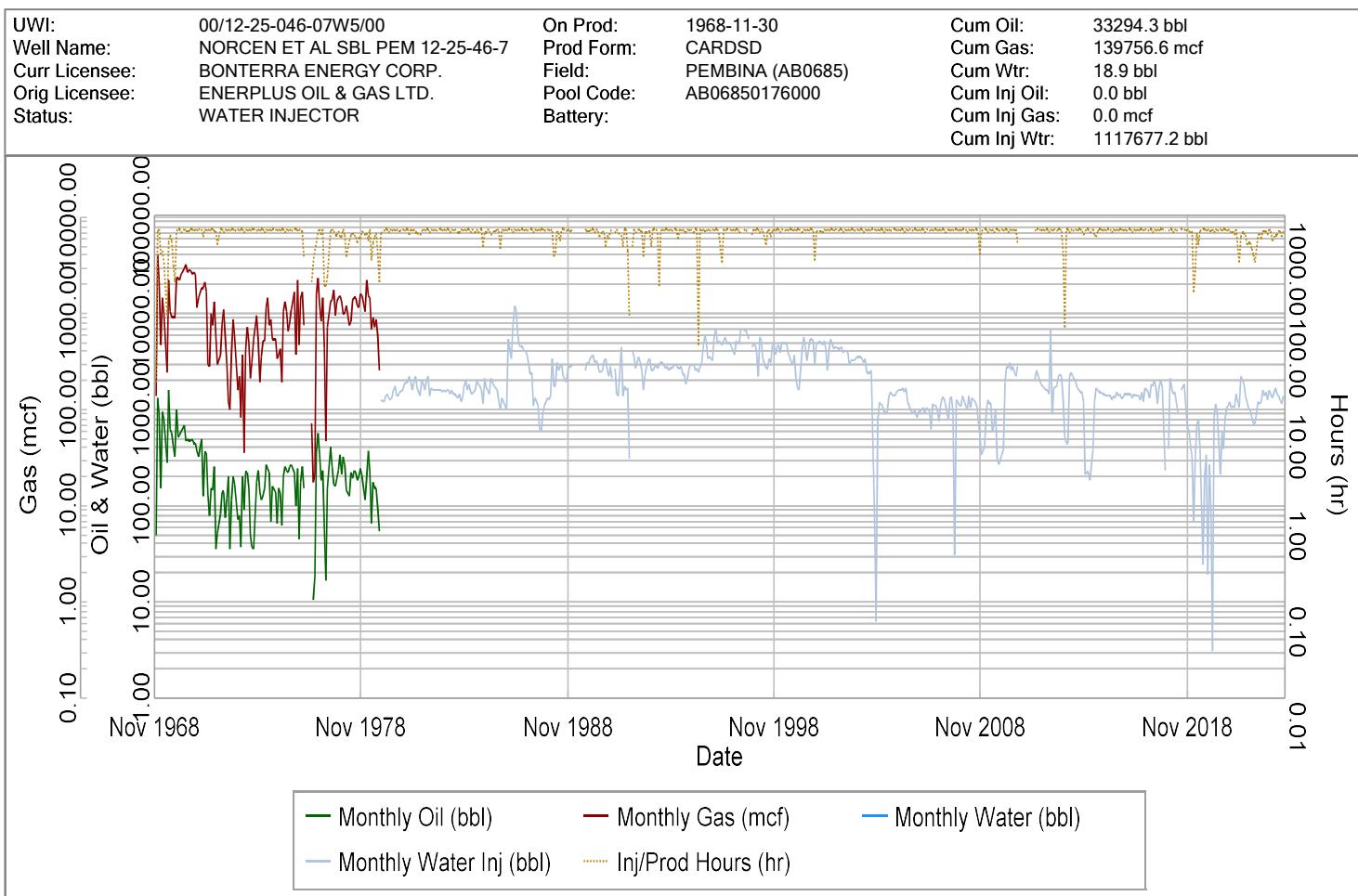
## Logs Run

#	Method Description
1	GAMMA RAY

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

On Prod Date:	1968-11-30	Producing Hours:	0 hr
Oil + Cond (3 Mo):	0.00 bbl	GOR:	0.00 scf/bbl
Gas (3 Mo):		WGR:	0.00 bbl/mmcf
Water (3 Mo):	0.00 bbl	WCT%:	0.0 %
Oil + Cond/Day:	0.00 bbl/d		
			Gas/Day: 0.00 mcf/d
			Cum Oil + Cond: 33,294.31 bbl
			Cum Gas: 139,756.56 mcf
			Cum Water: 18.88 bbl

## Production Graph



## Production Summary

UWI: 00/12-25-046-07W5/00  
 Prod Form: CARDSD  
 On Prod Date: 1968-11-30

Hours: 19  
 Oil+Cond Rate: 62.00 bbl/d  
 Gas Rate: 174.85 mcf/d

